

10 October 2022



Chief Executive Officer
Douglas Shire Council
64-66 Front Street
MOSSMAN QLD 4873

Via email: enquiries@douglas.qld.gov.au

RE: DEVELOPMENT APPLICATION FOR A MATERIAL CHANGE OF USE (UNDEFINED USE – STAFF ACCOMMODATION) 2 MIJO ROAD, 739 MOSSMAN DAINTREE ROAD AND 743 MOSSMAN DAINTREE ROAD, MIALLO, MORE FORMALLY DESCRIBED AS LOT 1 ON RP710645 LOT 2 ON SP251530, AND LOT 3 ON SP251530 RESPECTIVELY

Aspire Town Planning and Project Services act on behalf of on behalf of Marano's Fuel (the 'Applicant') in relation to the above described Development Application. The registered landowners, Mr. Salvatore Marano and Mr. Joseph Marano, have given written consent to the lodgement of this Development Application.

On behalf of the Applicant, please accept this correspondence and the accompanying attachments as a properly made Development Application pursuant to Sections 50 and 51 of the *Planning Act 2016* seeking a Development Permit for a Material Change of Use (Undefined Use – Staff Accommodation).

Please find enclosed the following documentation associated with this Development Application:

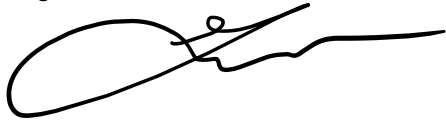
- Duly completed DA Form 1 (Attachment 1);
- Land Owner's Consent (Attachment 2); and
- Town Planning Report (Attachment 3).

As the proposed land use is not defined under the Douglas Shire Planning Scheme 2018 v1.0, the applicable Application Fee is not defined under the Building, Planning and Plumbing Fee Schedule, it is respectfully requested whether Douglas Shire Council would accept an Application Fee calculated based on an 'Accommodation Use (Unit Charge)'. In this instance the Application Fee would be \$2,361.00 (comprising the base fee \$1,471.00, plus 2 x the per unit above 2 units fee \$445). If this Application Fee is acceptable it is respectfully requested that Council issue an Invoice, so the fee can be paid directly by the Applicant.

12 Lloyd Road MIALLO, QLD 4873
PO BOX 1040, MOSSMAN QLD 4873
M. 0418826560
E. admin@aspireqld.com
ABN. 79 851 193 691

Thank you for your time in considering the attached Development Application. If you wish to inspect the property or have any further queries, please contact the undersigned.

Regards,

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal line and a small flourish.

Daniel Favier

Senior Town Planner

ASPIRE Town Planning and Project Services

Attachment I

Duly completed DA Form I

DA Form 1 – Development application details

Approved form (version 1.3 effective 28 September 2020) made under section 282 of the Planning Act 2016.

This form **must** be used to make a development application **involving code assessment or impact assessment**, except when applying for development involving only building work.

For a development application involving **building work only**, use *DA Form 2 – Building work details*.

For a development application involving **building work associated with any other type of assessable development (i.e. material change of use, operational work or reconfiguring a lot)**, use this form (*DA Form 1*) and parts 4 to 6 of *DA Form 2 – Building work details*.

Unless stated otherwise, all parts of this form **must** be completed in full and all required supporting information **must** accompany the development application.

One or more additional pages may be attached as a schedule to this development application if there is insufficient space on the form to include all the necessary information.

This form and any other form relevant to the development application must be used to make a development application relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994*, and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. For the purpose of assessing a development application relating to strategic port land and Brisbane core port land, any reference to a planning scheme is taken to mean a land use plan for the strategic port land, Brisbane port land use plan for Brisbane core port land, or a land use plan for airport land.

Note: All terms used in this form have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

PART 1 – APPLICANT DETAILS

1) Applicant details	
Applicant name(s) (individual or company full name)	Marano's Fuel
Contact name (only applicable for companies)	c/- Daniel Favier (Aspire Town Planning and Project Services)
Postal address (P.O. Box or street address)	PO Box 1040
Suburb	Mossman
State	QLD
Postcode	4873
Country	Australia
Contact number	0418 826 560
Email address (non-mandatory)	admin@aspireqld.com
Mobile number (non-mandatory)	
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	2022-08-15 – Marano's Fuel – 2 Mijo Road, Miallo

2) Owner's consent	
2.1) Is written consent of the owner required for this development application?	
<input checked="" type="checkbox"/> Yes – the written consent of the owner(s) is attached to this development application	
<input type="checkbox"/> No – proceed to 3)	

PART 2 – LOCATION DETAILS

3) Location of the premises (complete 3.1) or 3.2), and 3.3) as applicable)

Note: Provide details below and attach a site plan for any or all premises part of the development application. For further information, see [DA Forms Guide: Relevant plans](#).

3.1) Street address and lot on plan

- ☒ Street address **AND** lot on plan (all lots must be listed), **or**
☐ Street address **AND** lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon. All lots must be listed).

a)	Unit No.	Street No.	Street Name and Type	Suburb
		2	Mijo Road	Miallo
	Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)
	4873	1	RP710645	Douglas Shire
b)	Unit No.	Street No.	Street Name and Type	Suburb
		739	Mossman Daintree Road	Miallo
	Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)
	4873	2	SP251530	Douglas Shire
c)	Unit No.	Street No.	Street Name and Type	Suburb
		743	Mossman Daintree Road	Miallo
	Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)
	4873	3	SP251530	Douglas Shire

3.2) Coordinates of premises (appropriate for development in remote areas, over part of a lot or in water not adjoining or adjacent to land e.g. channel dredging in Moreton Bay)

Note: Place each set of coordinates in a separate row.

- ☐ Coordinates of premises by longitude and latitude

Longitude(s)	Latitude(s)	Datum	Local Government Area(s) (if applicable)
		<input type="checkbox"/> WGS84 <input type="checkbox"/> GDA94 <input type="checkbox"/> Other:	

- ☐ Coordinates of premises by easting and northing

Easting(s)	Northing(s)	Zone Ref.	Datum	Local Government Area(s) (if applicable)
		<input type="checkbox"/> 54 <input type="checkbox"/> 55 <input type="checkbox"/> 56	<input type="checkbox"/> WGS84 <input type="checkbox"/> GDA94 <input type="checkbox"/> Other:	

3.3) Additional premises

- ☐ Additional premises are relevant to this development application and the details of these premises have been attached in a schedule to this development application
☒ Not required

4) Identify any of the following that apply to the premises and provide any relevant details

<input type="checkbox"/> In or adjacent to a water body or watercourse or in or above an aquifer	
Name of water body, watercourse or aquifer:	
<input type="checkbox"/> On strategic port land under the <i>Transport Infrastructure Act 1994</i>	
Lot on plan description of strategic port land:	
Name of port authority for the lot:	
<input type="checkbox"/> In a tidal area	

Name of local government for the tidal area <i>(if applicable)</i> :	
Name of port authority for tidal area <i>(if applicable)</i> :	
<input type="checkbox"/> On airport land under the <i>Airport Assets (Restructuring and Disposal) Act 2008</i>	
Name of airport:	
<input checked="" type="checkbox"/> Listed on the Environmental Management Register (EMR) under the <i>Environmental Protection Act 1994</i>	
EMR site identification:	Lots 2 and 3 on SP251530 EMR Site ID101592 and ID101593
<input type="checkbox"/> Listed on the Contaminated Land Register (CLR) under the <i>Environmental Protection Act 1994</i>	
CLR site identification:	

5) Are there any existing easements over the premises?

Note: Easement uses vary throughout Queensland and are to be identified correctly and accurately. For further information on easements and how they may affect the proposed development, see [DA Forms Guide](#).

- ☐ Yes – All easement locations, types and dimensions are included in plans submitted with this development application
- ☒ No

PART 3 – DEVELOPMENT DETAILS

Section 1 – Aspects of development

6.1) Provide details about the first development aspect
a) What is the type of development? <i>(tick only one box)</i>
<input checked="" type="checkbox"/> Material change of use <input type="checkbox"/> Reconfiguring a lot <input type="checkbox"/> Operational work <input type="checkbox"/> Building work
b) What is the approval type? <i>(tick only one box)</i>
<input checked="" type="checkbox"/> Development permit <input type="checkbox"/> Preliminary approval <input type="checkbox"/> Preliminary approval that includes a variation approval
c) What is the level of assessment?
<input type="checkbox"/> Code assessment <input checked="" type="checkbox"/> Impact assessment <i>(requires public notification)</i>
d) Provide a brief description of the proposal <i>(e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots)</i> :
Development Application for a Material Change of Use (Undefined Use – Staff Accommodation)
e) Relevant plans
Note: <i>Relevant plans are required to be submitted for all aspects of this development application. For further information, see DA Forms guide: Relevant plans.</i>
<input checked="" type="checkbox"/> Relevant plans of the proposed development are attached to the development application
6.2) Provide details about the second development aspect
a) What is the type of development? <i>(tick only one box)</i>
<input type="checkbox"/> Material change of use <input type="checkbox"/> Reconfiguring a lot <input type="checkbox"/> Operational work <input type="checkbox"/> Building work
b) What is the approval type? <i>(tick only one box)</i>
<input type="checkbox"/> Development permit <input type="checkbox"/> Preliminary approval <input type="checkbox"/> Preliminary approval that includes a variation approval
c) What is the level of assessment?
<input type="checkbox"/> Code assessment <input type="checkbox"/> Impact assessment <i>(requires public notification)</i>
d) Provide a brief description of the proposal <i>(e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots)</i> :
e) Relevant plans
Note: <i>Relevant plans are required to be submitted for all aspects of this development application. For further information, see DA Forms Guide: Relevant plans.</i>

☐ Relevant plans of the proposed development are attached to the development application

6.3) Additional aspects of development

☐ Additional aspects of development are relevant to this development application and the details for these aspects that would be required under Part 3 Section 1 of this form have been attached to this development application

☒ Not required

Section 2 – Further development details

7) Does the proposed development application involve any of the following?

Material change of use ☒ Yes – complete division 1 if assessable against a local planning instrument

Reconfiguring a lot ☐ Yes – complete division 2

Operational work ☐ Yes – complete division 3

Building work ☐ Yes – complete *DA Form 2 – Building work details*

Division 1 – Material change of use

Note: This division is only required to be completed if any part of the development application involves a material change of use assessable against a local planning instrument.

8.1) Describe the proposed material change of use

Provide a general description of the proposed use	Provide the planning scheme definition (include each definition in a new row)	Number of dwelling units (if applicable)	Gross floor area (m ²) (if applicable)
Staff Accommodation	Undefined Land Use	4	n/a

8.2) Does the proposed use involve the use of existing buildings on the premises?

☐ Yes

☒ No

Division 2 – Reconfiguring a lot

Note: This division is only required to be completed if any part of the development application involves reconfiguring a lot.

9.1) What is the total number of existing lots making up the premises?

9.2) What is the nature of the lot reconfiguration? (tick all applicable boxes)

☐ Subdivision (complete 10))

☐ Dividing land into parts by agreement (complete 11))

☐ Boundary realignment (complete 12))

☐ Creating or changing an easement giving access to a lot from a constructed road (complete 13))

10) Subdivision

10.1) For this development, how many lots are being created and what is the intended use of those lots:

Intended use of lots created	Residential	Commercial	Industrial	Other, please specify:
Number of lots created				

10.2) Will the subdivision be staged?

☐ Yes – provide additional details below

☐ No

How many stages will the works include?

What stage(s) will this development application apply to?

11) Dividing land into parts by agreement – how many parts are being created and what is the intended use of the parts?				
Intended use of parts created	Residential	Commercial	Industrial	Other, please specify:
Number of parts created				

12) Boundary realignment			
12.1) What are the current and proposed areas for each lot comprising the premises?			
Current lot		Proposed lot	
Lot on plan description	Area (m ²)	Lot on plan description	Area (m ²)
12.2) What is the reason for the boundary realignment?			

13) What are the dimensions and nature of any existing easements being changed and/or any proposed easement? (attach schedule if there are more than two easements)				
Existing or proposed?	Width (m)	Length (m)	Purpose of the easement? (e.g. pedestrian access)	Identify the land/lot(s) benefitted by the easement

Division 3 – Operational work

Note: This division is only required to be completed if any part of the development application involves operational work.

14.1) What is the nature of the operational work?	
<input type="checkbox"/> Road work <input type="checkbox"/> Drainage work <input type="checkbox"/> Landscaping <input type="checkbox"/> Other – please specify:	<input type="checkbox"/> Stormwater <input type="checkbox"/> Earthworks <input type="checkbox"/> Signage <input type="checkbox"/> Water infrastructure <input type="checkbox"/> Sewage infrastructure <input checked="" type="checkbox"/> Clearing vegetation
14.2) Is the operational work necessary to facilitate the creation of new lots? (e.g. subdivision)	
<input type="checkbox"/> Yes – specify number of new lots:	
<input type="checkbox"/> No	
14.3) What is the monetary value of the proposed operational work? (include GST, materials and labour)	

PART 4 – ASSESSMENT MANAGER DETAILS

15) Identify the assessment manager(s) who will be assessing this development application
Douglas Shire Council
16) Has the local government agreed to apply a superseded planning scheme for this development application?
<input type="checkbox"/> Yes – a copy of the decision notice is attached to this development application <input type="checkbox"/> The local government is taken to have agreed to the superseded planning scheme request – relevant documents attached <input checked="" type="checkbox"/> No

PART 5 – REFERRAL DETAILS

17) Does this development application include any aspects that have any referral requirements?

Note: A development application will require referral if prescribed by the Planning Regulation 2017.

- ☐ No, there are no referral requirements relevant to any development aspects identified in this development application – proceed to Part 6

Matters requiring referral to the **Chief Executive of the Planning Act 2016:**

- ☐ Clearing native vegetation
- ☐ Contaminated land (*unexploded ordnance*)
- ☐ Environmentally relevant activities (ERA) (*only if the ERA has not been devolved to a local government*)
- ☐ Fisheries – aquaculture
- ☐ Fisheries – declared fish habitat area
- ☐ Fisheries – marine plants
- ☐ Fisheries – waterway barrier works
- ☐ Hazardous chemical facilities
- ☐ Heritage places – Queensland heritage place (*on or near a Queensland heritage place*)
- ☐ Infrastructure-related referrals – designated premises
- ☐ Infrastructure-related referrals – state transport infrastructure
- ☒ Infrastructure-related referrals – State transport corridor and future State transport corridor
- ☐ Infrastructure-related referrals – State-controlled transport tunnels and future state-controlled transport tunnels
- ☒ Infrastructure-related referrals – near a state-controlled road intersection
- ☐ Koala habitat in SEQ region – interfering with koala habitat in koala habitat areas outside koala priority areas
- ☐ Koala habitat in SEQ region – key resource areas
- ☐ Ports – Brisbane core port land – near a State transport corridor or future State transport corridor
- ☐ Ports – Brisbane core port land – environmentally relevant activity (ERA)
- ☐ Ports – Brisbane core port land – tidal works or work in a coastal management district
- ☐ Ports – Brisbane core port land – hazardous chemical facility
- ☐ Ports – Brisbane core port land – taking or interfering with water
- ☐ Ports – Brisbane core port land – referable dams
- ☐ Ports – Brisbane core port land – fisheries
- ☐ Ports – Land within Port of Brisbane's port limits (*below high-water mark*)
- ☐ SEQ development area
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and recreation activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – community activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – indoor recreation
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – urban activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – combined use
- ☐ Tidal works or works in a coastal management district
- ☐ Reconfiguring a lot in a coastal management district or for a canal
- ☐ Erosion prone area in a coastal management district
- ☐ Urban design
- ☐ Water-related development – taking or interfering with water
- ☐ Water-related development – removing quarry material (*from a watercourse or lake*)
- ☐ Water-related development – referable dams
- ☐ Water-related development – levees (*category 3 levees only*)
- ☐ Wetland protection area

Matters requiring referral to the **local government:**

- ☐ Airport land
- ☐ Environmentally relevant activities (ERA) (*only if the ERA has been devolved to local government*)

<input type="checkbox"/> Heritage places – Local heritage places
Matters requiring referral to the Chief Executive of the distribution entity or transmission entity:
<input type="checkbox"/> Infrastructure-related referrals – Electricity infrastructure
Matters requiring referral to:
<ul style="list-style-type: none"> • The Chief Executive of the holder of the licence, if not an individual • The holder of the licence, if the holder of the licence is an individual
<input type="checkbox"/> Infrastructure-related referrals – Oil and gas infrastructure
Matters requiring referral to the Brisbane City Council:
<input type="checkbox"/> Ports – Brisbane core port land
Matters requiring referral to the Minister responsible for administering the <i>Transport Infrastructure Act 1994</i>:
<input type="checkbox"/> Ports – Brisbane core port land <i>(where inconsistent with the Brisbane port LUP for transport reasons)</i>
<input type="checkbox"/> Ports – Strategic port land
Matters requiring referral to the relevant port operator , if applicant is not port operator:
<input type="checkbox"/> Ports – Land within Port of Brisbane's port limits <i>(below high-water mark)</i>
Matters requiring referral to the Chief Executive of the relevant port authority:
<input type="checkbox"/> Ports – Land within limits of another port <i>(below high-water mark)</i>
Matters requiring referral to the Gold Coast Waterways Authority:
<input type="checkbox"/> Tidal works or work in a coastal management district <i>(in Gold Coast waters)</i>
Matters requiring referral to the Queensland Fire and Emergency Service:
<input type="checkbox"/> Tidal works or work in a coastal management district <i>(involving a marina (more than six vessel berths))</i>

18) Has any referral agency provided a referral response for this development application?		
<input type="checkbox"/> Yes – referral response(s) received and listed below are attached to this development application		
<input checked="" type="checkbox"/> No		
Referral requirement	Referral agency	Date of referral response
Identify and describe any changes made to the proposed development application that was the subject of the referral response and this development application, or include details in a schedule to this development application <i>(if applicable)</i> .		

PART 6 – INFORMATION REQUEST

19) Information request under Part 3 of the DA Rules
<input checked="" type="checkbox"/> I agree to receive an information request if determined necessary for this development application
<input type="checkbox"/> I do not agree to accept an information request for this development application
Note: By not agreeing to accept an information request I, the applicant, acknowledge: <ul style="list-style-type: none"> • that this development application will be assessed and decided based on the information provided when making this development application and the assessment manager and any referral agencies relevant to the development application are not obligated under the DA Rules to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties • Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules. Further advice about information requests is contained in the DA Forms Guide .

PART 7 – FURTHER DETAILS

20) Are there any associated development applications or current approvals? (e.g. a preliminary approval)

- ☐ Yes – provide details below or include details in a schedule to this development application
☒ No

List of approval/development application references	Reference number	Date	Assessment manager
<input type="checkbox"/> Approval <input type="checkbox"/> Development application			
<input type="checkbox"/> Approval <input type="checkbox"/> Development application			

21) Has the portable long service leave levy been paid? (only applicable to development applications involving building work or operational work)

- ☐ Yes – a copy of the receipted QLeave form is attached to this development application
☐ No – I, the applicant will provide evidence that the portable long service leave levy has been paid before the assessment manager decides the development application. I acknowledge that the assessment manager may give a development approval only if I provide evidence that the portable long service leave levy has been paid
☒ Not applicable (e.g. building and construction work is less than \$150,000 excluding GST)

Amount paid	Date paid (dd/mm/yy)	QLeave levy number (A, B or E)
\$		

22) Is this development application in response to a show cause notice or required as a result of an enforcement notice?

- ☐ Yes – show cause or enforcement notice is attached
☒ No

23) Further legislative requirements

Environmentally relevant activities

23.1) Is this development application also taken to be an application for an environmental authority for an **Environmentally Relevant Activity (ERA)** under section 115 of the *Environmental Protection Act 1994*?

- ☐ Yes – the required attachment (form ESR/2015/1791) for an application for an environmental authority accompanies this development application, and details are provided in the table below
☒ No

Note: Application for an environmental authority can be found by searching “ESR/2015/1791” as a search term at www.qld.gov.au. An ERA requires an environmental authority to operate. See www.business.qld.gov.au for further information.

Proposed ERA number:		Proposed ERA threshold:	
Proposed ERA name:			

- ☐ Multiple ERAs are applicable to this development application and the details have been attached in a schedule to this development application.

Hazardous chemical facilities

23.2) Is this development application for a **hazardous chemical facility**?

- ☐ Yes – Form 69: Notification of a facility exceeding 10% of schedule 15 threshold is attached to this development application
☒ No

Note: See www.business.qld.gov.au for further information about hazardous chemical notifications.

Clearing native vegetation

23.3) Does this development application involve **clearing native vegetation** that requires written confirmation that the chief executive of the *Vegetation Management Act 1999* is satisfied the clearing is for a relevant purpose under section 22A of the *Vegetation Management Act 1999*?

☐ Yes – this development application includes written confirmation from the chief executive of the *Vegetation Management Act 1999* (s22A determination)

☒ No

Note: 1. Where a development application for operational work or material change of use requires a s22A determination and this is not included, the development application is prohibited development.
2. See <https://www.qld.gov.au/environment/land/vegetation/applying> for further information on how to obtain a s22A determination.

Environmental offsets

23.4) Is this development application taken to be a prescribed activity that may have a significant residual impact on a **prescribed environmental matter** under the *Environmental Offsets Act 2014*?

☐ Yes – I acknowledge that an environmental offset must be provided for any prescribed activity assessed as having a significant residual impact on a prescribed environmental matter

☒ No

Note: The environmental offset section of the Queensland Government's website can be accessed at www.qld.gov.au for further information on environmental offsets.

Koala habitat in SEQ Region

23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work which is assessable development under Schedule 10, Part 10 of the Planning Regulation 2017?

☐ Yes – the development application involves premises in the koala habitat area in the koala priority area

☐ Yes – the development application involves premises in the koala habitat area outside the koala priority area

☒ No

Note: If a koala habitat area determination has been obtained for this premises and is current over the land, it should be provided as part of this development application. See koala habitat area guidance materials at www.des.qld.gov.au for further information.

Water resources

23.6) Does this development application involve **taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking overland flow water under the *Water Act 2000***?

☐ Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the *Water Act 2000* may be required prior to commencing development

☒ No

Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information.

DA templates are available from <https://planning.dsdmp.qld.gov.au/>. If the development application involves:

- Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1
- Taking or interfering with water in a watercourse, lake or spring: complete DA Form 1 Template 2
- Taking overland flow water: complete DA Form 1 Template 3.

Waterway barrier works

23.7) Does this application involve **waterway barrier works**?

☐ Yes – the relevant template is completed and attached to this development application

☒ No

DA templates are available from <https://planning.dsdmp.qld.gov.au/>. For a development application involving waterway barrier works, complete DA Form 1 Template 4.

Marine activities

23.8) Does this development application involve **aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants**?

☐ Yes – an associated resource allocation authority is attached to this development application, if required under the *Fisheries Act 1994*

☒ No

Note: See guidance materials at www.daf.qld.gov.au for further information.

Quarry materials from a watercourse or lake

23.9) Does this development application involve the **removal of quarry materials from a watercourse or lake** under the *Water Act 2000*?

- ☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development
☒ No

Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au and www.business.qld.gov.au for further information.

Quarry materials from land under tidal waters

23.10) Does this development application involve the **removal of quarry materials from land under tidal water** under the *Coastal Protection and Management Act 1995*?

- ☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development
☒ No

Note: Contact the Department of Environment and Science at www.des.qld.gov.au for further information.

Referable dams

23.11) Does this development application involve a **referable dam** required to be failure impact assessed under section 343 of the *Water Supply (Safety and Reliability) Act 2008* (the Water Supply Act)?

- ☐ Yes – the 'Notice Accepting a Failure Impact Assessment' from the chief executive administering the Water Supply Act is attached to this development application
☒ No

Note: See guidance materials at www.dnrme.qld.gov.au for further information.

Tidal work or development within a coastal management district

23.12) Does this development application involve **tidal work or development in a coastal management district**?

- ☐ Yes – the following is included with this development application:
- ☐ Evidence the proposal meets the code for assessable development that is prescribed tidal work (*only required if application involves prescribed tidal work*)
 - ☐ A certificate of title
- ☒ No

Note: See guidance materials at www.des.qld.gov.au for further information.

Queensland and local heritage places

23.13) Does this development application propose development on or adjoining a place entered in the **Queensland heritage register** or on a place entered in a local government's **Local Heritage Register**?

- ☐ Yes – details of the heritage place are provided in the table below
☒ No

Note: See guidance materials at www.des.qld.gov.au for information requirements regarding development of Queensland heritage places.

Name of the heritage place:		Place ID:	
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Brothels

23.14) Does this development application involve a **material change of use for a brothel**?

- ☐ Yes – this development application demonstrates how the proposal meets the code for a development application for a brothel under Schedule 3 of the *Prostitution Regulation 2014*
☒ No

Decision under section 62 of the Transport Infrastructure Act 1994

23.15) Does this development application involve new or changed access to a state-controlled road?

- ☐ Yes – this application will be taken to be an application for a decision under section 62 of the *Transport Infrastructure Act 1994* (subject to the conditions in section 75 of the *Transport Infrastructure Act 1994* being satisfied)
☒ No

Walkable neighbourhoods assessment benchmarks under Schedule 12A of the Planning Regulation

23.16) Does this development application involve reconfiguring a lot into 2 or more lots in certain residential zones (except rural residential zones), where at least one road is created or extended?

☐ Yes – Schedule 12A is applicable to the development application and the assessment benchmarks contained in schedule 12A have been considered

☒ No

Note: See guidance materials at www.planning.dsdmip.qld.gov.au for further information.

PART 8 – CHECKLIST AND APPLICANT DECLARATION

24) Development application checklist

I have identified the assessment manager in question 15 and all relevant referral requirement(s) in question 17

☒ Yes

Note: See the Planning Regulation 2017 for referral requirements

If building work is associated with the proposed development, Parts 4 to 6 of [DA Form 2 – Building work details](#) have been completed and attached to this development application

☐ Yes

☒ Not applicable

Supporting information addressing any applicable assessment benchmarks is with the development application

Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report and any technical reports required by the relevant categorising instruments (e.g. local government planning schemes, State Planning Policy, State Development Assessment Provisions). For further information, see [DA Forms Guide: Planning Report Template](#).

☒ Yes

Relevant plans of the development are attached to this development application

Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see [DA Forms Guide: Relevant plans](#).

☒ Yes

The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 21)

☐ Yes

☒ Not applicable

25) Applicant declaration

☒ By making this development application, I declare that all information in this development application is true and correct

☒ Where an email address is provided in Part 1 of this form, I consent to receive future electronic communications from the assessment manager and any referral agency for the development application where written information is required or permitted pursuant to sections 11 and 12 of the *Electronic Transactions Act 2001*

Note: It is unlawful to intentionally provide false or misleading information.

Privacy – Personal information collected in this form will be used by the assessment manager and/or chosen assessment manager, any relevant referral agency and/or building certifier (including any professional advisers which may be engaged by those entities) while processing, assessing and deciding the development application. All information relating to this development application may be available for inspection and purchase, and/or published on the assessment manager's and/or referral agency's website.

Personal information will not be disclosed for a purpose unrelated to the *Planning Act 2016*, Planning Regulation 2017 and the DA Rules except where:

- such disclosure is in accordance with the provisions about public access to documents contained in the *Planning Act 2016* and the Planning Regulation 2017, and the access rules made under the *Planning Act 2016* and Planning Regulation 2017; or
- required by other legislation (including the *Right to Information Act 2009*); or
- otherwise required by law.

This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

PART 9 – FOR COMPLETION OF THE ASSESSMENT MANAGER – FOR OFFICE USE ONLY

Date received: Reference number(s):

Notification of engagement of alternative assessment manager

Prescribed assessment manager	
Name of chosen assessment manager	
Date chosen assessment manager engaged	
Contact number of chosen assessment manager	
Relevant licence number(s) of chosen assessment manager	

QLeave notification and payment

Note: For completion by assessment manager if applicable

Description of the work	
QLeave project number	
Amount paid (\$)	Date paid (dd/mm/yy)
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	

Attachment 2

Land Owner's Consent

Individual owner's consent for making a development application under the *Planning Act 2016*

I,
Salvatore Marano; and
Joseph Marano

as owner of the premises identified as follows:

2 Mijo Road, Miallo, more formally described as Lot 1 on RP710645
739 Mossman Daintree Road, Miallo, more formally described as Lot 2 on SP251530
743 Mossman Daintree Road, Miallo, more formally described as Lot 3 on SP251530

consent to the making of a development application under the *Planning Act 2016* by:

Marano's Fuels
c/- Daniel Favier (Aspire Town Planning and Project Services)

on the premises described above for:

Development Application for a Material Change of Use (Undefined Use – Staff Accommodation)

Signed


Salvatore Marano


Joseph Marano

Date

08/10/22

08/10/22.

Attachment 3

Town Planning Report

An aerial photograph of a rural area in Miallo, Queensland. The map shows several roads: Mossman Sugar Mill Road at the top, Mijo Road running diagonally from the top left to the bottom right, and Mossman Daintree Road running vertically on the right side. Several property lots are outlined in yellow and labeled with numbers and codes: Lot 1 (RP710645) is a large lot with palm trees; Lot 1 (RP738176) is a residential lot with a house; Lot 3 (SP251530) is a residential lot with a house; and Lot 4 is partially visible at the bottom. The background shows a mix of dry, brownish ground and green vegetation.

Town Planning Report

2 MIJO ROAD, MIALLO

739 MOSSMAN DAINTREE ROAD, MIALLO

743 MOSSMAN DAINTREE ROAD, MIALLO

10 OCTOBER 2022

ASPIRE Town Planning and Project Services

Authored by: Daniel Favier

Executive Summary

Aspire Town Planning and Project Services act on behalf of on behalf of Marano's Fuel (the 'Applicant') in relation to the above described Development Application. The registered landowners, Mr. Salvatore Marano and Mr. Joseph Marano, have given written consent to the lodgement of this Development Application.

This Development Application is for a Material Change of Use (Undefined Use – Staff Accommodation), over land at 2 Mijo Road, 739 Mossman Daintree Road and 743 Mossman Daintree Road, Miallo, more formally described as Lot 1 on RP710645 Lot 2 on SP251530, and Lot 3 on SP251530 respectively. The proposed use is intended to supply temporary accommodation for Marano's Fuel staff in the form of 2 x 1 Bedroom Cabins and 2 x 2 Bedroom Cabins on land at 2 Mijo Road, Miallo. The properties at 739 and 743 Mossman Daintree Road, Miallo, are included within the Development Application to formally associate the proposed Staff Accommodation with the Marano's Fuel Business Administration, Service Station and Depot. These existing land uses will be maintained.

Under the Douglas Shire Planning Scheme 2018 V1.0 (the 'planning scheme'), 2 Mijo Road, Miallo is zoned Environmental Management, 739 Mossman Daintree Road is zoned Industry and Rural, and 743 Mossman Daintree Road, Miallo is zoned Industry. As the proposed Staff Accommodation is an undefined land use, the Development Application triggers Impact Assessment.

This Town Planning Report includes a comprehensive assessment of the proposed development against the relevant Local and State Government Assessment Benchmarks. The information provided in this report, and accompanying attachments, demonstrates that the proposed development achieves compliance with the applicable provisions of the relevant Local and State Government Assessment Benchmarks and is presented to Douglas Shire Council ('Council') for approval. It would be appreciated if Council could provide 'without prejudice' draft conditions for review prior to the issue of a Decision Notice.

1.0 Summary

Table 1: Application Summary.

	2 Mijo Road, Miallo	739 Mossman Daintree Road, Miallo	743 Mossman Daintree Road, Miallo
Lot and Plan	Lot 1 on RP710645	Lot 2 on SP251530	Lot 3 on SP251530
Land Owner	Salvatore Marano Joseph Marano As Tenants in Common	Salvatore Marano Joseph Marano As Tenants in Common	Salvatore Marano Joseph Marano As Tenants in Common
See Attachment 1			
Size	1,753m ²	8,509m ²	901m ²
Road Frontages	70.409m to Schilds Road 70.49m to Mijo Road Mossman Daintree Road	Approximately: 121m to Mijo Road 48m to Mossman Daintree Road	Approximately: 26m to Mossman Daintree Road
Easements	Nil	Nil	Nil
Environmental and Contaminated Land Register	Not listed	EMR Site ID: 101592 Listed on EMR for the storage of petroleum products and oils.	EMR Site ID: 101593 Listed on EMR as the site has been subdivided from Lot 2 on SP251530 which has been subject to operating a commercial service station.
See Attachment 2			
Current Approved Use	Vacant Land (Unimproved)	Service Station	Service Station
Proposal	Undefined Use – Staff Accommodation		
Approvals Sought	Development Permit for a Material Change of Use Maintain existing land use rights over 739 and 743 Mossman Daintree Road, Miallo		
Level of Assessment	Impact Assessable		
Planning Scheme Zone	Environmental Management	Industry and Rural	Industry
Regional Plan Designation	Regional Landscape and Rural Production		
State Planning Policy	Nil		
State Development Assessment Provisions	State Code 1: Development in a State Controlled Road Environment State Code 6: Protection of State Transport Networks		
Referral	State Transport Corridors and Future State Transport Corridors Schedule 10, Part 9, Division 4, Subdivision 2, Table 4		

2.0 Site Description

Image 1 below illustrates the relationship between the three lots. The land at 739 and 743 Mossman Daintree Road, Miallo, is included within the Development Application to formally associate the proposed Staff Accommodation with the existing Marano's Fuel Business Administration, Service Station and Depot uses. The land at 739 and 743 Mossman Daintree Road, Miallo, are therefore not discussed in depth within the Development Application.

The land at 2 Mijo Road, Miallo is triangular in shape with a total area of 1,753m². The land gently slopes from the west (approximately 7m) to the east (approximately 6.25m). The land is vacant except for some fruit trees and other landscaping. The land has road frontages to both Schild's Road along the northern boundary and Mijo Road along the southern boundary. The land apexes at Mossman Daintree Road. The Mossman Mill Railway runs along the northern boundary within the Schild's Road Reserve.

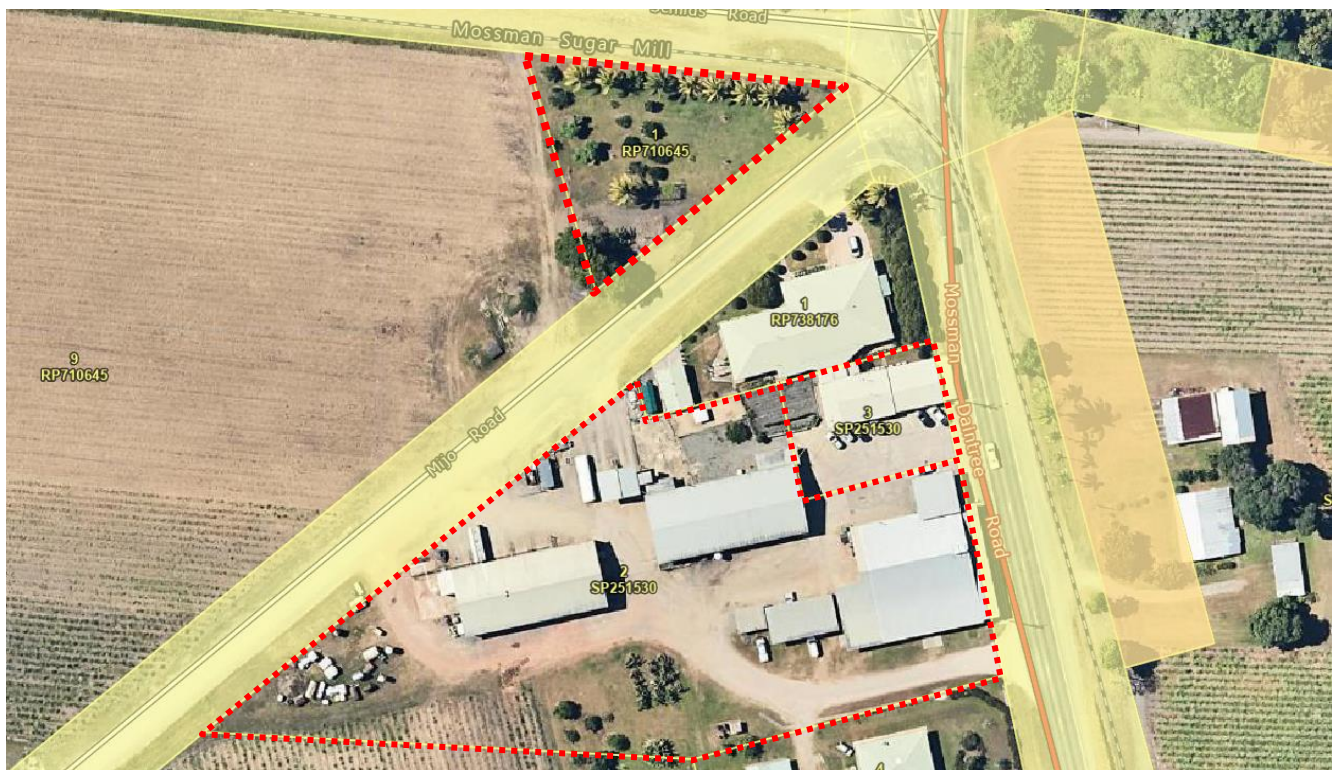


Image 1: Subject Sites (source: QLD Globe, 2022)

3.0 Proposal

This Development Application Seeks approval for a Development Permit for a Material Change of Use (Undefined Use – Staff Accommodation) specifically over land at 2 Mijo Road, Miallo. As the proposed use is associated with business operations occurring on 739 and 743 Mossman Daintree Road, Miallo, these lots are included within the Development Application.

The Staff Accommodation is intended to supply temporary accommodation for Marano's Fuel staff only. The development consists of 2 x 1 Bedroom Cabins and 2 x 2 Bedroom Cabins on land at 2 Mijo Road, Miallo sited towards the rear of the property (western boundary), see **Image 2, Image 3 and Image 3** below, further refer to the Site, Floor and Elevation Plans included under **Attachment 3**.

The head office of the Marano's Fuel business is located at Miallo. This is a growing business which owns and operates 14 service stations and retail sites across the far north between Cooktown, Cairns and Ravenshoe. Bulk fuel delivery drivers, executive and other staff, frequent the head office for business purposes. This coupled with the current shortage of accommodation within the Shire, Marano's Fuel has identified an opportunity to provide temporary accommodation for staff. The ability to offer temporary accommodation, gives Marano's Fuel a better chance at attracting highly skilled and experienced staff, which is essential to the business.

The development will be delivered in 2 stages. Stage 1 includes 1 x 1 Bedroom Cabin and 1 x 2 Bedroom Cabin, onsite waste water treatment infrastructure, crossover from Mijo Road and a four bay carport. Depending on the success of Stage 1, Stage 2 would comprise the remaining 1 x 1 Bedroom Cabin and 1 x 2 Bedroom Cabin.

Three of the cabins are orientated towards the west to take in the mountain views and aspect. The fourth cabin is orientated towards the north, which is considered a more favourable outlook compared to overlooking the Mossman Daintree Road, or back towards the Depot.

An onsite waste water report has been prepared by Dirt Professionals and is included under **Attachment 4**.



Image 2: Single Bedroom Cabin



Image 3: Double Bedroom Cabin

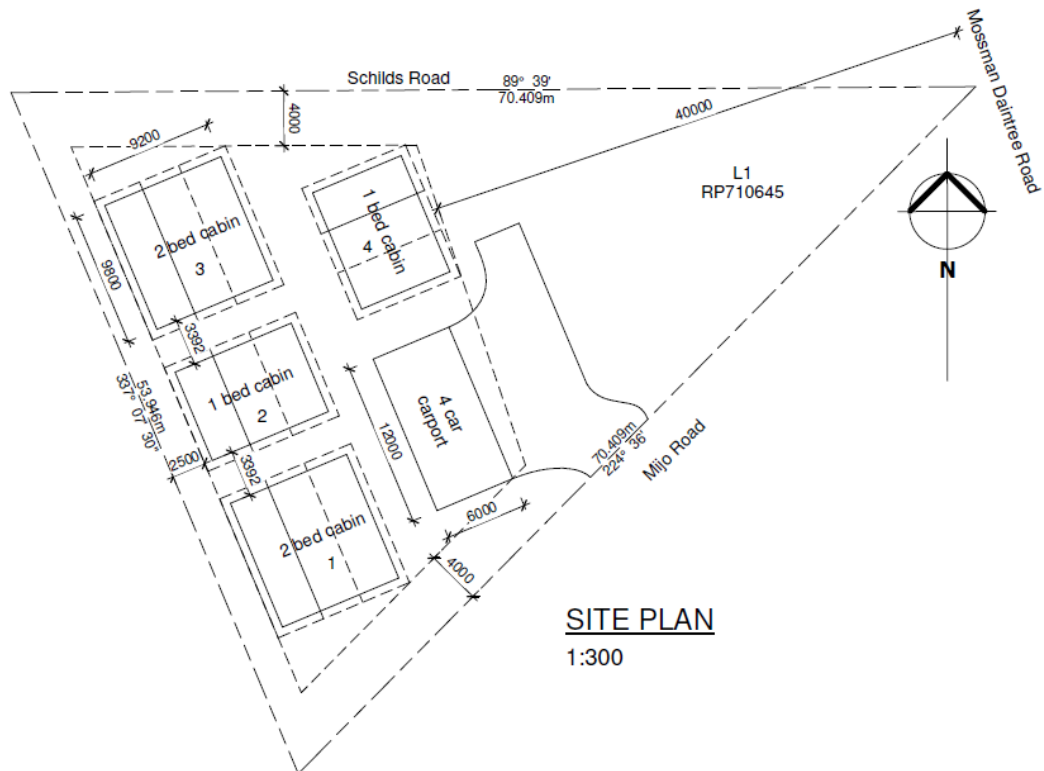


Image 4: Site Plan

4.0 Statutory Town Planning Framework

4.1 Planning Act 2016

The *Planning Act 2016* (the 'Planning Act') is the statutory instrument for the State of Queensland under which, amongst other matters, Development Applications are assessed by Local Governments. The Planning Act is supported by the Planning Regulation 2017 (the 'Planning Regulation'). The following sections of this report discuss the parts of the Planning Act and Planning Regulation applicable to the assessment of a development application.

4.1.1 Approval and Development

Pursuant to Sections 49, 50 and 51 of the Planning Act, the Development Application seeks a Development Permit for Material Change of Use (Undefined Use – Staff Accommodation).

4.1.2 Application

The proposed development is:

- development that is located completely in a single local government area;
- development made assessable under a local categorising instrument; and
- for a Material Change of Use,

In accordance with Section 48 of the Planning Act and Schedule 8, Table 2, Item 1 of the Planning Regulation, the development application is required to be made to the applicable Local Government, in this instance being Douglas Shire Council (the 'Council').

4.1.3 Referral

Section 54(2) of the Planning Act and Section 22 and Schedules 9 and 10 of the Planning Regulation provide for the identification of the jurisdiction of referral agencies, to which a copy of the development application must be provided. A review of the Planning Regulation confirms the following referral agencies are triggered via the State Assessment and Referral Agency:

- Department of Transport and Main Roads

A review of the DA Mapping confirms the that under the State Development Assessment Provisions the following State Codes apply to the assessment of the Development Application:

- State Code 1: Development in a State Controlled Road Environment
- State Code 6: Protection of State Transport Networks

Assessment against the above State Codes is included under **Attachment 5**.

4.1.4 Public Notification

Section 53(1) of the Planning Act provides that an applicant must give notice of a Development Application where any part is subject to Impact Assessment or where it is an application, which includes a variation request.

The Development Application is subject to Impact Assessment and therefore Public Notification of the Development Application is required.

Aspire Town Planning and Project Services will coordinate Public Notification at the appropriate time.

4.1.5 Assessment Framework

An Impact Assessable Development Application is required in this instance. Section 45(5) of the Planning Act provides that:

“(5) An impact assessment is an assessment that—

(a) must be carried out—

(i) against the assessment benchmarks in a categorising instrument for the development; and

(ii) having regard to any matters prescribed by regulation for this subparagraph; and

(b) may be carried out against, or having regard to, any other relevant matter, other than a person’s personal circumstances, financial or otherwise.

Examples of another relevant matter—

- *a planning need*
- *the current relevance of the assessment benchmarks in the light of changed circumstances*
- *whether assessment benchmarks or other prescribed matters were based on material errors”*

The Douglas Shire Planning Scheme 2018 v1.0 (the ‘Planning Scheme’) is the applicable local categorising instrument.

Section 30 of the Planning Regulation provides the following assessment benchmarks for the purposes of Section 45(5) (a) of the Planning Act:

- “(1) For section 45(5)(a)(i) of the Act, the impact assessment must be carried out against the assessment benchmarks for the development stated in schedules 9 and 10.*
- (2) Also, if the prescribed assessment manager is the local government, the impact assessment must be carried out against the following assessment benchmarks—*
- (a) the assessment benchmarks stated in—*
- (i) the regional plan for a region; and*
 - (ii) the State Planning Policy, part E, to the extent part E is not identified in the planning scheme as being appropriately integrated in the planning scheme; and*
 - (iii) a temporary State planning policy applying to the premises;*
- (b) if the development is not in a local government area—any local planning instrument for a local government area that may be materially affected by the development;*
- (c) if the local government is an infrastructure provider—the local government’s LGIP.*
- (3) However, an assessment manager may, in assessing development requiring impact assessment, consider an assessment benchmark only to the extent the assessment benchmark is relevant to the development.”*

Section 27 of the Planning Regulation provides matters for the purposes of Section 45(3)(b) of the Planning Act:

- “(1) For section 45(5)(a)(ii) of the Act, the impact assessment must be carried out having regard to—*
- (a) the matters stated in schedules 9 and 10 for the development; and*
- (b) if the prescribed assessment manager is the chief executive—*
- (i) the strategic outcomes for the local government area stated in the planning scheme; and*
 - (ii) the purpose statement stated in the planning scheme for the zone and any overlay applying to the premises under the planning scheme; and*
 - (iii) the strategic intent and desired regional outcomes stated in the regional plan for a region; and*
 - (iv) the State Planning Policy, parts C and D; and*

- (v) for premises designated by the Minister—the designation for the premises; and*
- (c) if the prescribed assessment manager is a person other than the chief executive or the local government—the planning scheme; and*
- (d) if the prescribed assessment manager is a person other than the chief executive—*
 - (i) the regional plan for a region; and*
 - (ii) the State Planning Policy, to the extent the State Planning Policy is not identified in the planning scheme as being appropriately integrated in the planning scheme; and*
 - (iii) for designated premises—the designation for the premises; and*
- (e) any temporary State planning policy applying to the premises; and*
- (f) any development approval for, and any lawful use of, the premises or adjacent premises; and*
- (g) the common material.*

(2) However—

- (a) an assessment manager may, in assessing development requiring impact assessment, consider a matter mentioned in subsection (1) only to the extent the assessment manager considers the matter is relevant to the development; and*
- (b) if an assessment manager is required to carry out impact assessment against assessment benchmarks in an instrument stated in subsection (1), this section does not require the assessment manager to also have regard to the assessment benchmarks.”*

The following sections of this Report discuss the applicable assessment benchmarks and applicable matters in further detail.

4.2 Far North Queensland Regional Plan 2009-2031

The Far North Queensland Regional Plan 2009 - 2031 ('the Regional Plan') is intended to guide and manage the region's development and to address key regional environmental, social, economic and urban objectives. The site falls within the area to which the Regional Plan applies. The Regional Plan is identified in the Planning Scheme as being appropriately integrated in the scheme. Therefore the proposed development does not require further separate assessment against the Regional Plan.

4.3 State Planning Policy

The State Planning Policy ('the SPP') was released on 2 December 2013 and replaced all previous State Planning Policies. The SPP has since been revised, with new versions released on 2 July 2014, 29

April 2016 and 3 July 2017. The April 2016 version of the SPP is identified in the Planning Scheme as being appropriately integrated. Whilst the SPP has been amended since April 2016 version, it is considered that the policy content and outcomes contained within the SPP, to the extent they are relevant and applicable to the proposed development, have not been sufficiently amended to require the reconsideration of the SPP separately.

4.4 Temporary State Planning Policies

There are currently no temporary State Planning Policies in effect in Queensland.

4.5 Douglas Shire Planning Scheme 2018 v1.0

The Planning Scheme came into effect on 2 January 2018 and is the applicable planning scheme to the Douglas Local Government Area. It is noted that the Planning Scheme was drafted under the *Sustainable Planning Act 2009* ('the SPA'). The interpretation of the Planning Scheme with respect to the proposed development is therefore based on the transitional provisions of the Planning Act.

The assessment against the Planning Scheme focuses on 2 Mijo Road only. No development is proposed on the other two sites which are included on the Development Application to confirm the association between existing and proposed land uses.

4.5.1 Zone

The site on which the Staff Accommodation is proposed (2 Mijo Road), is identified within the Environmental Management Zone. The other accompanying sites to the Development Application are included within the Industry Zone and Rural Zone. The following map extract identifies the zoning of the land (refer to Image 5).



Image 5: Site Zoning (source: Douglas Shire Planning Scheme Property Report, 2022)

4.5.2 Local Plan

There are no applicable Local Plans.

4.5.3 Overlays

Table 2: identifies the Overlays applicable to 2 Mijo Road.

Overlay	Sub-category
Acid Sulfate Soils	Acid Sulfate Soils (5m-20m)
Flood and Storm Tide Hazard Overlay	Flood Plain Assessment Overlay (Daintree River)
Landscape Values Overlay	Scenic Route Buffer
Transport Noise Corridors	Category 0: Noise Level < 58dB(A) Category 1: 58dB(A) = < Noise Level < 63dB(A) Category 2: 63dB(A) < Noise Level < 68dB(A)
Transport Pedestrian Cycle	Iconic Recreation Route Strategic Investigation Route
Transport Road Hierarchy	Arterial Road Minor Rural Road Major Transport Corridor Buffer (State Controlled Road)

4.5.4 Category of Assessment

Pursuant to Part 5 of the Planning Scheme, a Development Application for a Material Change of Use (Undefined Use – Staff Accommodation) in the Environmental Management Zone, Industrial Zone and Rural Zone is identified as Assessable Development, to which Impact Assessment is applicable.

The category of assessment of the proposed development is not otherwise altered by the Planning Scheme.

4.5.5 Assessment Criteria

Impact assessable development must be assessed against the whole of the planning scheme, to the extent relevant. The following Planning Scheme Codes are identified as applicable:

Zone Code

- Environmental Management

Overlay Codes

- Acid Sulfate Soils Overlay
- Flood and Storm Tide Hazard Overlay
- Landscape Values Overlay
- Transport Network Overlay

Development Codes

- Access, Parking and Services
- Environmental Performance
- Filling and Excavation Code
- Infrastructure Works Code
- Landscaping Code

A summary of compliance of the proposal against the relevant assessment criteria is provided in Section 5 of this Report and a detailed assessment against the relevant assessment criteria is provided in Attachment 6.

5.0 Compliance Summary

5.1 Introduction

The following sections comprise a summary of compliance against the relevant provisions of the planning framework as they apply to the proposed development, identified in Section 4 of this Report.

Attachment 6 – Statement of Code Compliance provides an assessment of the proposed development against the relevant codes of the Planning Scheme.

5.2 Douglas Shire Planning Scheme 2018

A summary of the proposed development against the applicable assessment criteria is provided below.

5.2.1 Environmental Management Zone Code

The purpose of the Environmental Management Zone Code is to recognise environmentally sensitive areas and provide for houses on lots and other low impact activities where suitable.

The subject site is currently vacant and does not contain any significant native vegetation. Nor does the site display any significant environmental value. The scale of proposed development is considered appropriate given the adjoining Industry Zoned land to the south and the existing fuel and lubricant supply and distribution business on this land. The proposed land use is associate with the adjoining business.

5.2.2 Acid Sulfate Soils Overlay Code

It is expected that only minor excavation and filling will be required to facilitate the development, given the proposed slab on ground design of the Cabins.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Acid Sulfate Soils Code.

5.2.3 Flood and Storm Tide Inundation Overlay Code

The site is identified as being included within the Floodplain Assessment (Daintree River) sub-category. The site slopes form the west (approximately 7m AHD) to the east (approximately 6.25m AHD). The proposed buildings are located within the western area of the property on the higher

ground and it is expected that only minor filling will be required to facilitate the slab on ground design.

Search of Council's Future Y2100 Storm Tide Inundation Mapping confirms this property is not affected by the 1 % AEP Event for the year 2100

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Flood and Storm Tide Inundation Overlay Code.

5.2.4 Landscape Values

The subject site is located within the Scenic Route Buffer sub-category. The proposed development is low scale and located towards the rear of the property, furthest from the Scenic Route. It is considered that the proposed development will not detract from the scenic amenity.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Landscape Values Overlay Code.

5.2.5 Transport Network Overlay Code

Vehicle access is proposed off Mijo Road (a Minor Rural Road) to avoid potential conflict with the cane railway within Schilds Road. Mijo Road is an existing sealed road suitable for providing access.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Transport Network Overlay Code.

5.2.6 Access, Parking and Service

Covered onsite parking is proposed onsite at a rate of 1 space per cabin. Appropriate areas exist onsite for informal parking if required, otherwise there is parking available also at the Service Station / Depot. Access and parking has been designed for vehicles to enter and exist in forward gear.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Access Parking and Services Code.

5.2.7 Environmental Performance

Given the scale and purpose of the proposed development it is not expected that the development will cause impacts on sensitive receiving environments.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Environmental Performance Code.

5.2.8 Filling and Excavation Code

Only minor earthworks are expected to be required to facilitate the proposed building pads.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Excavation and Filling Code.

5.2.9 Infrastructure Works Code

The site is connected to reticulated water supply and also electricity and telecommunications. Waste water will be treated and disposed onsite in accordance with the Dirt Professionals Report included under Attachment 4.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Infrastructure Works Code.

5.2.10 Landscaping Code

Detailed design of landscaping will be completed at a later stage.

It is anticipated that any issues at this stage may be addressed through reasonable and relevant conditions. Accordingly, the proposed development will comply with the Landscaping Code.

6.0 Conclusion

This Report accompanies an application by Marano's Fuel, seeking a Development Permit for a Material Change of Use (Undefined Use – Staff Accommodation) over land at 2 Mijo Road, 739 Mossman Daintree Road and 743 Mossman Daintree Road, Miallo, more formally described as Lot 1 on RP710645 Lot 2 on SP251530, and Lot 3 on SP251530 respectively

This application is lodged pursuant to sections 49, 50 and 51 of the Planning Act.

Assessment of the proposed development against the applicable planning framework has been undertaken in order to assess potential impacts and compliance of the proposed development with the relevant assessment criteria. The information provided in this Report (and accompanying attachments) demonstrates that the proposed development largely complies with the applicable provisions of the relevant planning framework; where conflicts exist, suitable alternative solutions are provided to support approval of the development application.

If Council requires any further information, either formally or informally, throughout the assessment of the Development Application please contact Aspire Town Planning and Project Services. Prior to the determination of the Development Application it would be greatly appreciated if Council could provide a suite of Draft Conditions to facilitate discussion and reach a mutually favourable outcome.

Attachment 1

Certificate of Title

Queensland Titles Registry Pty Ltd
ABN 23 648 568 101

Title Reference:	20439158	Search Date:	08/10/2022 08:11
Date Title Created:	09/08/1950	Request No:	42474845
Previous Title:	20341059		

ESTATE AND LAND

Estate in Fee Simple

LOT 1 REGISTERED PLAN 710645
Local Government: DOUGLAS

REGISTERED OWNER**INTEREST**

SALVATORE MARANO	1/2
JOSEPH MARANO	1/2

AS TENANTS IN COMMON

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 20341059 (POR 121V)
2. MORTGAGE No 718920392 09/08/2018 at 11:00
NATIONAL AUSTRALIA BANK LIMITED A.C.N. 004 044 937

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

NIL

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

Queensland Titles Registry Pty Ltd
ABN 23 648 568 101

Title Reference:	50953656	Search Date:	08/10/2022 08:11
Date Title Created:	27/06/2014	Request No:	42474845
Previous Title:	20531053, 20531054, 21083139, 21207070		

ESTATE AND LAND

Estate in Fee Simple

LOT 2 SURVEY PLAN 251530

Local Government: DOUGLAS

REGISTERED OWNER

INTEREST

Dealing No: 715855264 25/06/2014

SALVATORE MARANO

JOSEPH MARANO

1/2

1/2

AS TENANTS IN COMMON

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 20341059 (POR 121V)
Deed of Grant No. 20504027 (POR 121V)
2. MORTGAGE No 718920392 09/08/2018 at 11:00
NATIONAL AUSTRALIA BANK LIMITED A.C.N. 004 044 937

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

NIL

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

Queensland Titles Registry Pty Ltd
ABN 23 648 568 101

Title Reference:	50953657	Search Date:	08/10/2022 08:11
Date Title Created:	27/06/2014	Request No:	42474845
Previous Title:	21207070		

ESTATE AND LAND

Estate in Fee Simple

LOT 3 SURVEY PLAN 251530

Local Government: DOUGLAS

REGISTERED OWNER**INTEREST**

Dealing No: 715855264 25/06/2014

SALVATORE MARANO

1/2

JOSEPH MARANO

1/2

AS TENANTS IN COMMON

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 20341059 (POR 121V)
2. MORTGAGE No 718920392 09/08/2018 at 11:00
NATIONAL AUSTRALIA BANK LIMITED A.C.N. 004 044 937

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

NIL

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

Attachment 2

Environmental Management and Contaminated Land Register Searches



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454, Brisbane QLD 4001, AUSTRALIA
www.des.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Daniel Favier
PO Box 1040
Mossman QLD 4873

Transaction ID: 50805644 EMR Site Id: 06 September 2022
Cheque Number:
Client Reference:

This response relates to a search request received for the site:

Lot: 1 Plan: RP710645
2 MIJO RD
MIALLO

EMR RESULT

The above site is NOT included on the Environmental Management Register.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

All search responses include particulars of land listed in the EMR/CLR when the search was generated.
The EMR/CLR does NOT include:-

1. land which is contaminated land (or a complete list of contamination) if DES has not been notified
2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DES has not been notified

If you have any queries in relation to this search please email emr.clr.registry@des.qld.gov.au

Administering Authority



Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454, Brisbane QLD 4001, AUSTRALIA
www.des.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Daniel Favier
PO Box 1040
Mossman QLD 4873

Transaction ID: 50812443 EMR Site Id: 101593 08 October 2022
Client Reference:
Cheque Number:

This response relates to a search request received for the site:
Lot: 3 Plan: SP251530

EMR RESULT

The above site IS included on the Environmental Management Register.

The site you have searched has been subdivided from the following site, which IS included on the EMR or the CLR.

Lot: 2 Plan: RP738176
Address: MOSSMAN DAINTREE ROAD
 MIALLO QLD 4873

The site has been subject to the following Notifiable Activity or Hazardous Contaminant.
SERVICE STATIONS - operating a commercial service station.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

All search responses include particulars of land listed in the EMR/CLR when the search was generated.
The EMR/CLR does NOT include:-

1. land which is contaminated land (or a complete list of contamination) if DES has not been notified
2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DES has not been notified

If you have any queries in relation to this search please email emr.clr.registry@des.qld.gov.au

Administering Authority



Department of Environment and Science (DES)
ABN 46 640 294 485
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GPO Box 2454, Brisbane QLD 4001, AUSTRALIA
www.des.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Daniel Favier
PO Box 1040
Mossman QLD 4873

Transaction ID: 50812442 EMR Site Id: 101592 08 October 2022
Client Reference:
Cheque Number:

This response relates to a search request received for the site:
Lot: 2 Plan: SP251530

EMR RESULT

The above site IS included on the Environmental Management Register.

Lot: 2 Plan: SP251530
Address: MOSSMAN-DAINTREE ROAD
 MIALLO QLD 4873

The site has been subject to the following Notifiable Activity or Hazardous Contaminant.

PETROLEUM PRODUCT OR OIL STORAGE - storing petroleum products or oil -

(a) in underground tanks with more than 200L capacity; or

(b) in above ground tanks with -

(i) for petroleum products or oil in class 3 in packaging groups 1 and 2 of the dangerous goods code - more than 2, 500L capacity; or

(ii) for petroleum products or oil in class 3 in packaging groups 3 of the dangerous goods code - more than 5, 000L capacity; or

(iii) for petroleum products that are combustible liquids in class C1 or C2 in Australian Standard AS1940, 'The storage and handling of flammable and combustible liquids' published by Standards Australia - more than 25, 000L capacity.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

All search responses include particulars of land listed in the EMR/CLR when the search was generated.

The EMR/CLR does NOT include:-

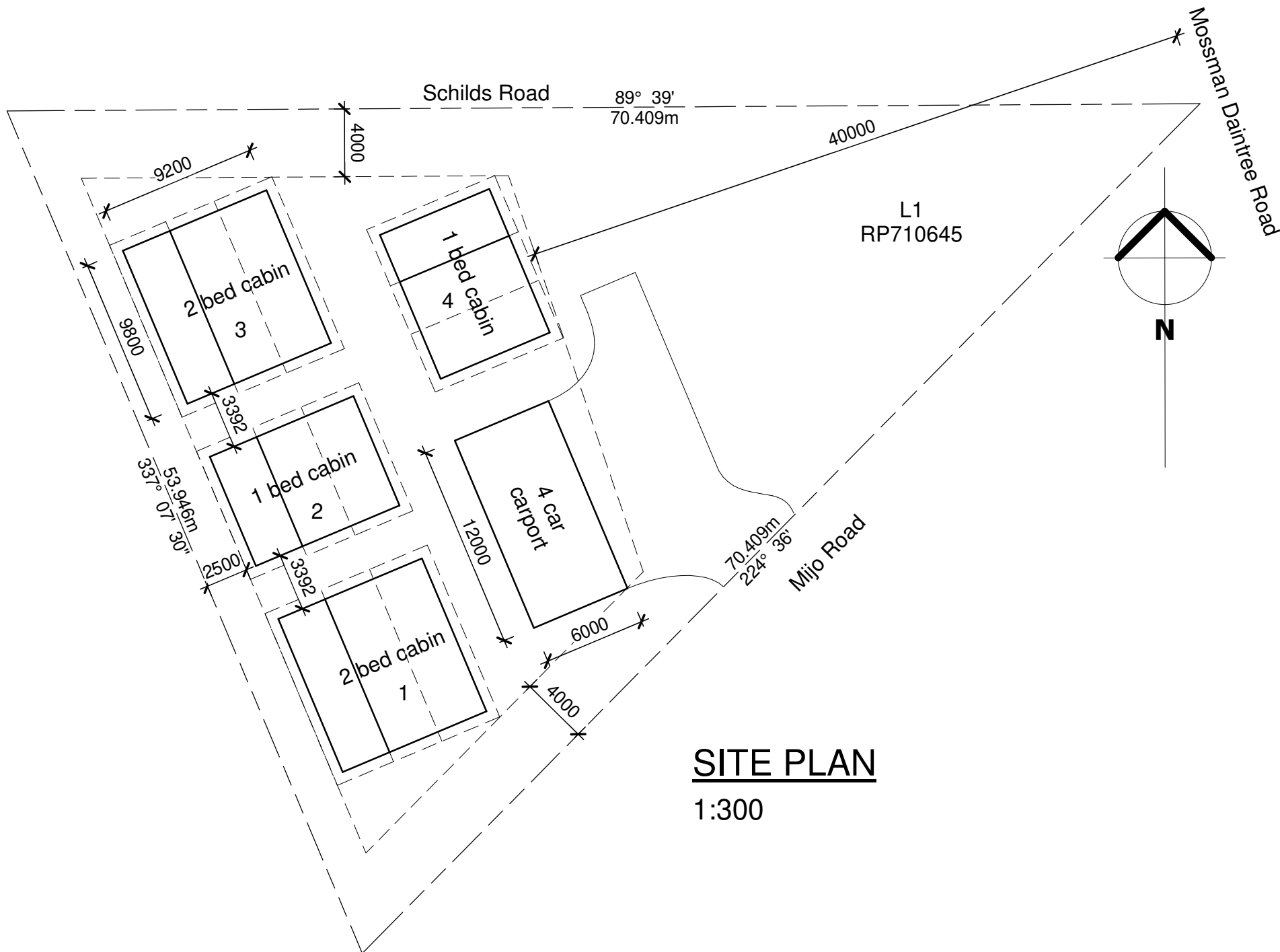
1. land which is contaminated land (or a complete list of contamination) if DES has not been notified
2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DES has not been notified

If you have any queries in relation to this search please email emr.clr.registry@des.qld.gov.au

Administering Authority

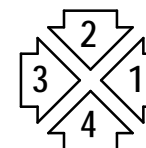
Attachment 3

Site, Floor and Elevation Plans



SITE PLAN

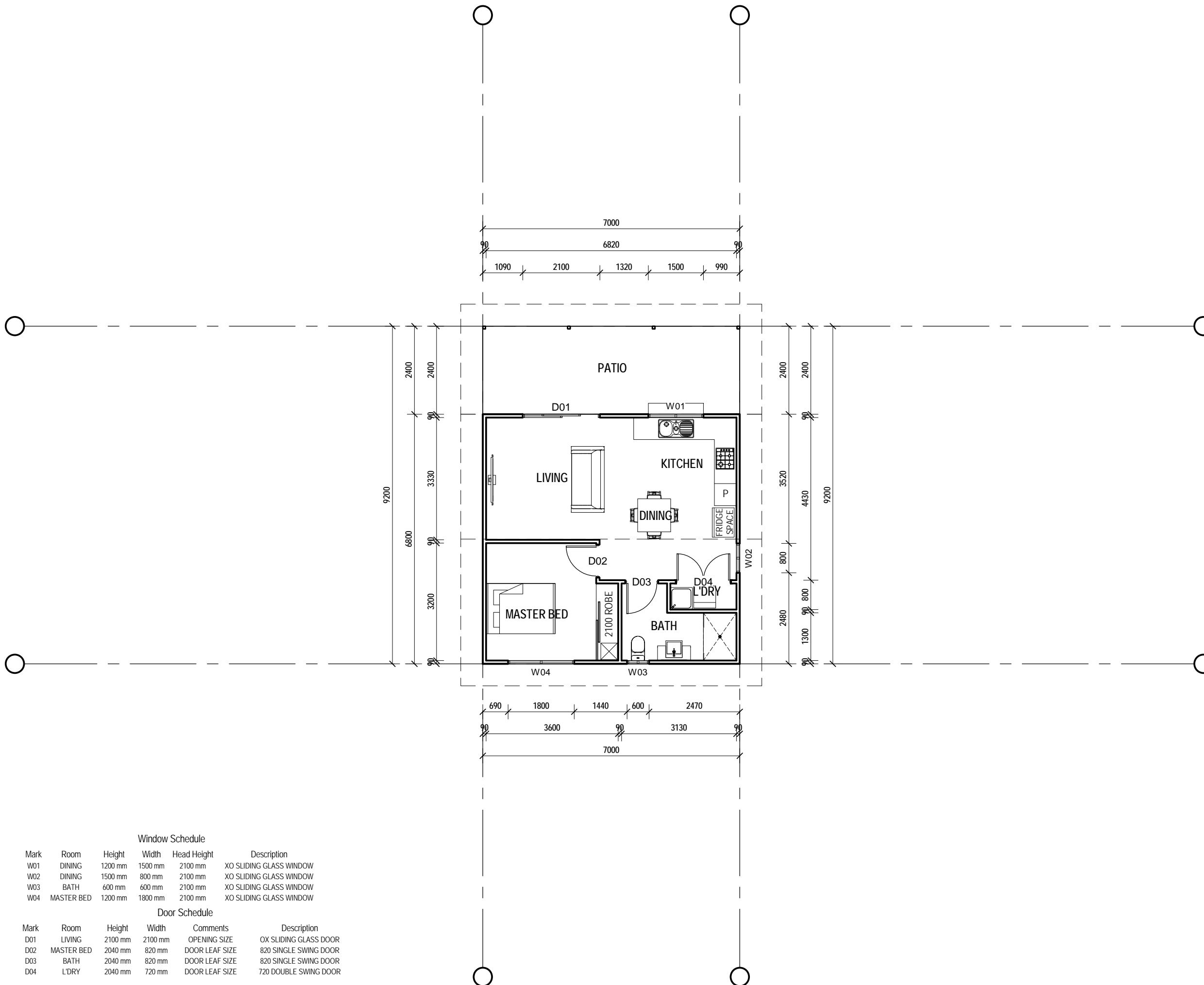
1:300



ELEVATION KEY

FLOOR AREAS LEGEND

LIVING	47.59 m ²
PATIO	16.81 m ²
	64.40 m ²



Window Schedule

Mark	Room	Height	Width	Head Height	Description
W01	DINING	1200 mm	1500 mm	2100 mm	XO SLIDING GLASS WINDOW
W02	DINING	1500 mm	800 mm	2100 mm	XO SLIDING GLASS WINDOW
W03	BATH	600 mm	600 mm	2100 mm	XO SLIDING GLASS WINDOW
W04	MASTER BED	1200 mm	1800 mm	2100 mm	XO SLIDING GLASS WINDOW

Door Schedule

Mark	Room	Height	Width	Comments	Description
D01	LIVING	2100 mm	2100 mm	OPENING SIZE	OX SLIDING GLASS DOOR
D02	MASTER BED	2040 mm	820 mm	DOOR LEAF SIZE	820 SINGLE SWING DOOR
D03	BATH	2040 mm	820 mm	DOOR LEAF SIZE	820 SINGLE SWING DOOR
D04	L'DRY	2040 mm	720 mm	DOOR LEAF SIZE	720 DOUBLE SWING DOOR

THE TRINITY

DRAWING TITLE:

FLOOR PLAN

DRAWING NO. **03** SCALE: **1:100** AT **A3**

DRAWN BY: **WE** PRINT TIME: **25/06/2018 2:22:56 PM**

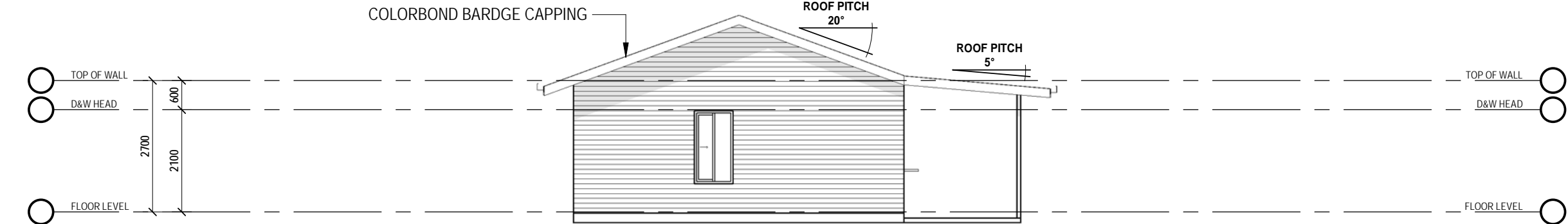
SUPERIOR STEEL FRAMES
STANDARD MODEL



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TOLGA INDUSTRIAL ESTATE, QLD, 4882
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EMAIL: info@superiorsteelframes.com.au
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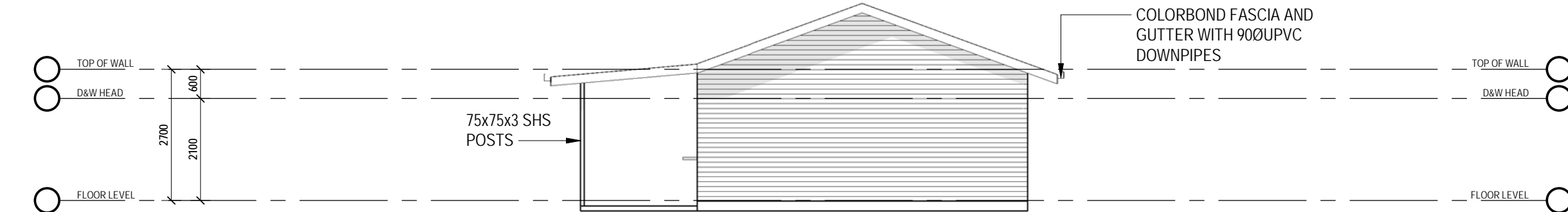
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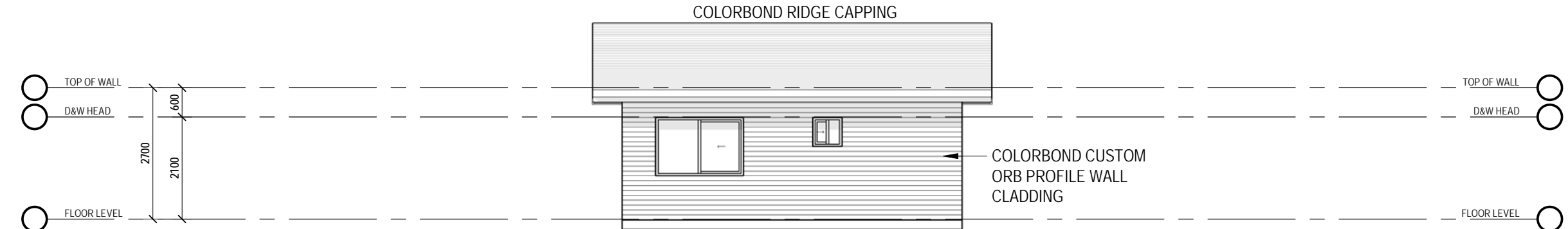
ELEVATION 1



ELEVATION 2



ELEVATION 3




ELEVATION 4

THE TRINITY

DRAWING TITLE:
ELEVATIONS

DRAWING NO.	04	SCALE:	1:100 AT A3
DRAWN BY:	WE	PRINT TIME:	25/06/2018 2:22:57 PM

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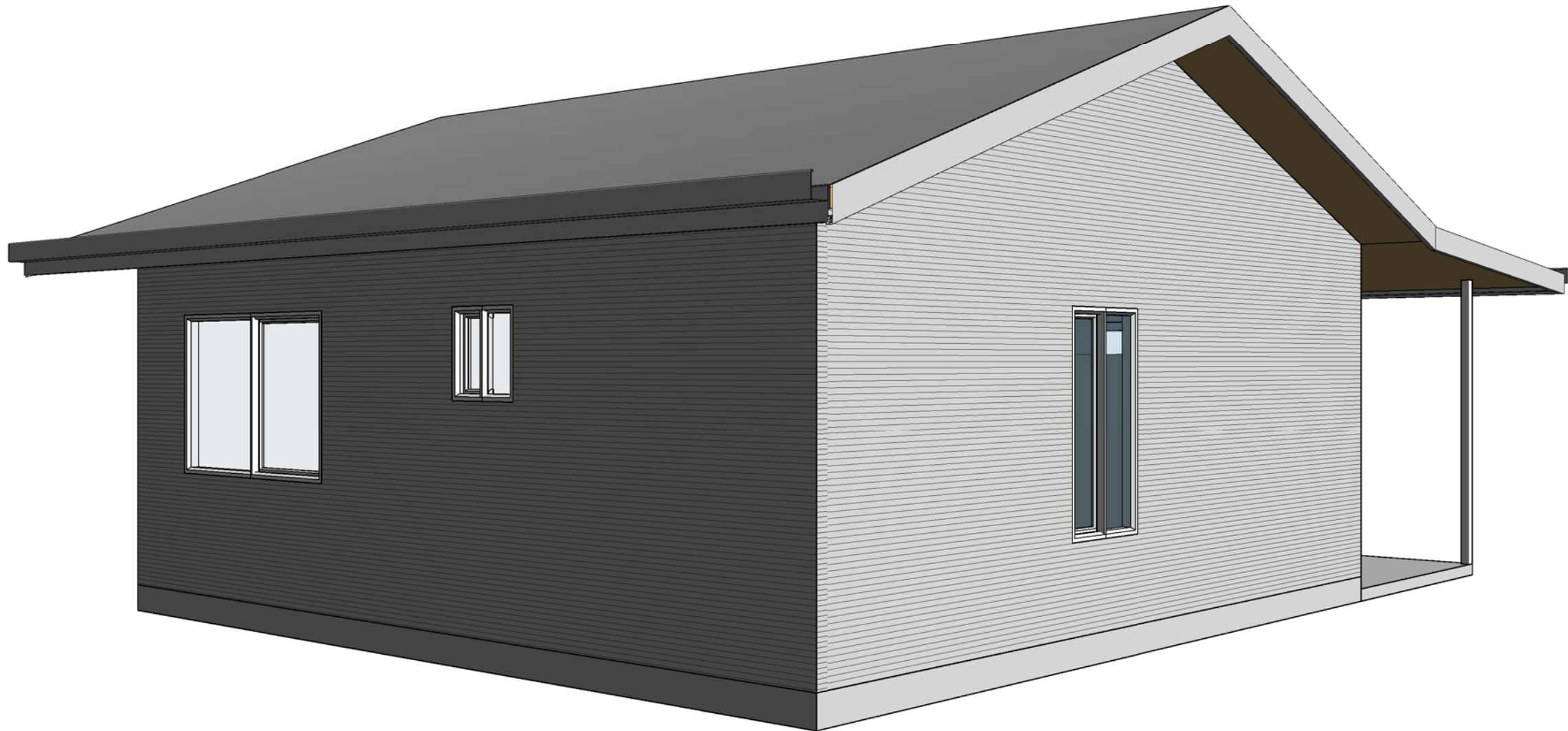
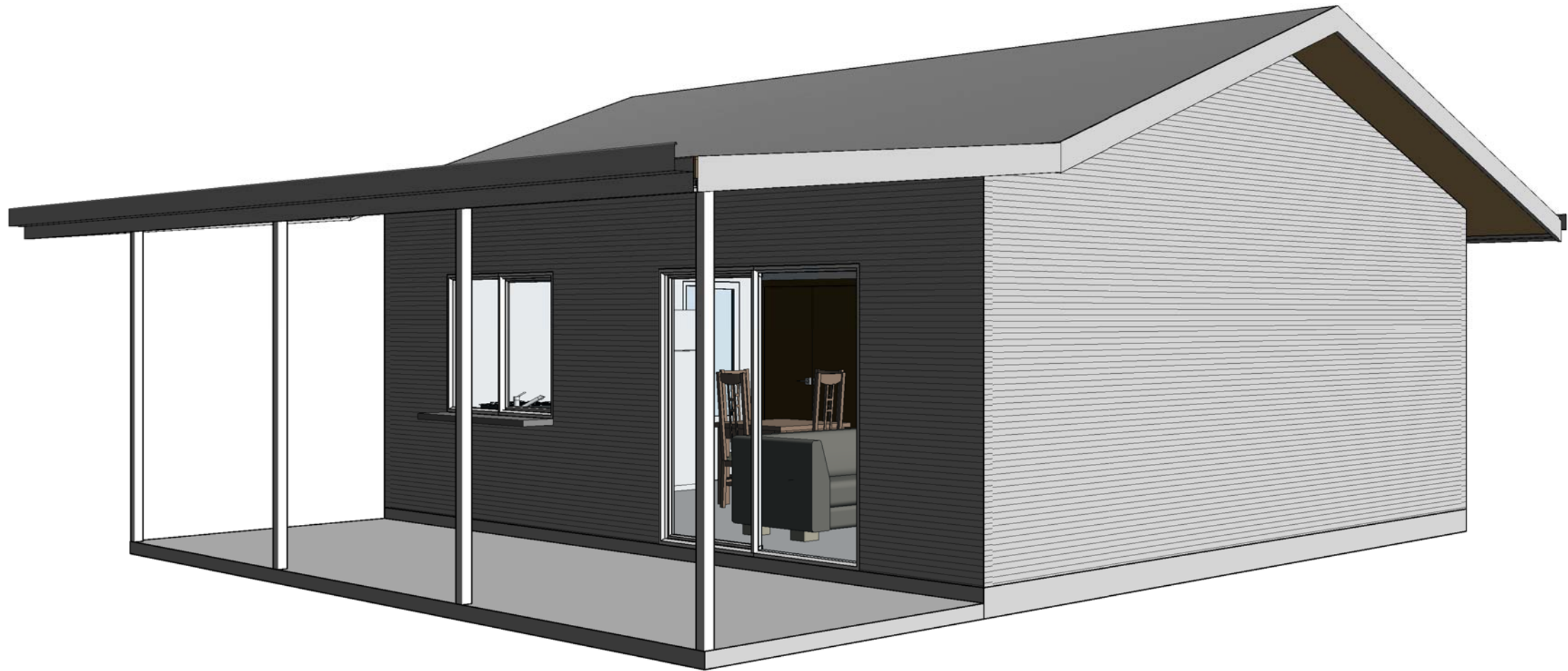


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THE TRINITY

DRAWING TITLE:

3D VIEWS

DRAWING NO.	05	SCALE:	NTS	AT	A3
DRAWN BY:	WE	PRINT TIME:	25/06/2018 2:22:58 PM		

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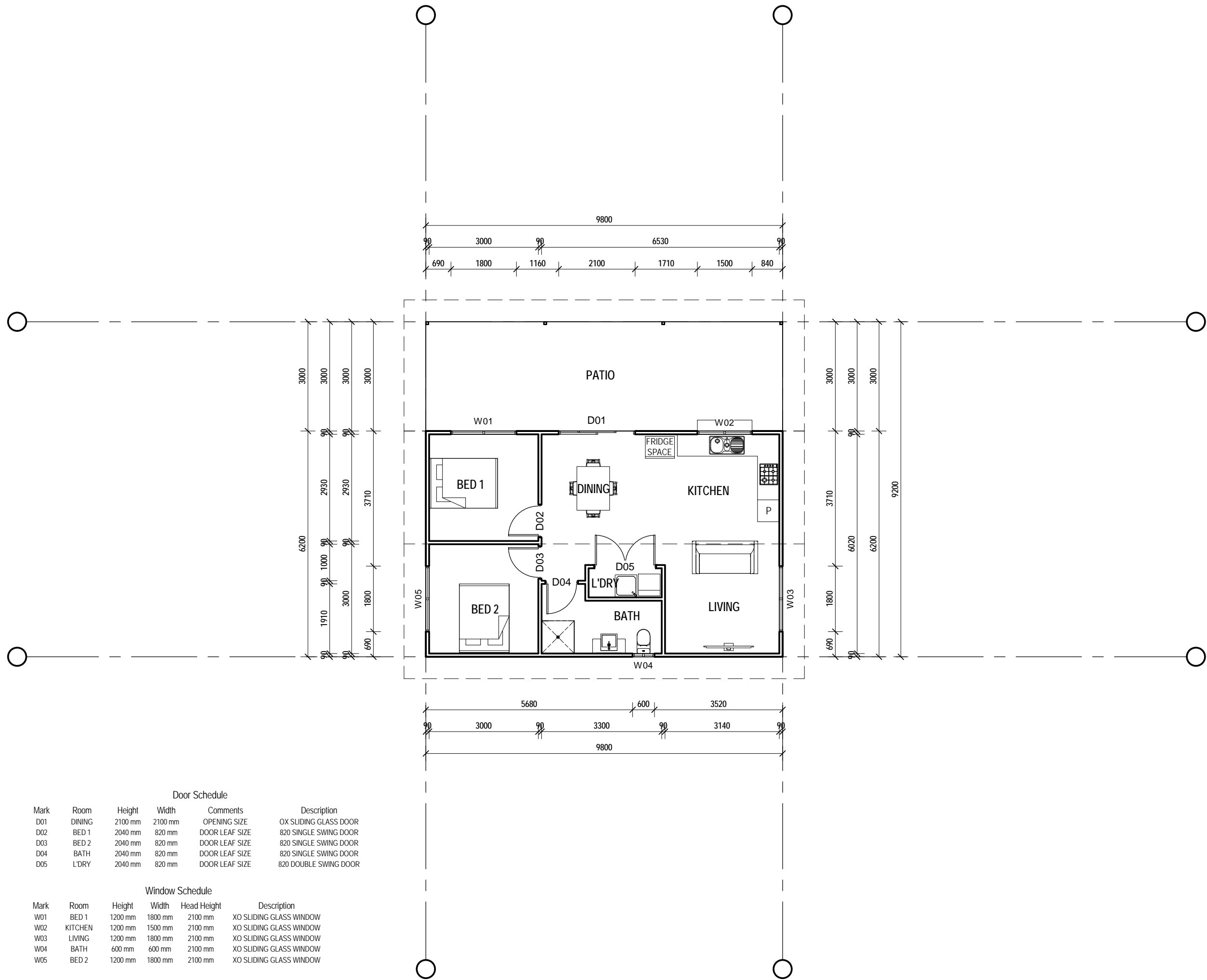
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ELEVATION KEY

FLOOR AREAS LEGEND

LIVING	60.76 m ²
PATIO	29.40 m ²
	90.16 m ²



Door Schedule

Mark	Room	Height	Width	Comments	Description
D01	DINING	2100 mm	2100 mm	OPENING SIZE	OX SLIDING GLASS DOOR
D02	BED 1	2040 mm	820 mm	DOOR LEAF SIZE	820 SINGLE SWING DOOR
D03	BED 2	2040 mm	820 mm	DOOR LEAF SIZE	820 SINGLE SWING DOOR
D04	BATH	2040 mm	820 mm	DOOR LEAF SIZE	820 SINGLE SWING DOOR
D05	L'DRY	2040 mm	820 mm	DOOR LEAF SIZE	820 DOUBLE SWING DOOR

Window Schedule

Mark	Room	Height	Width	Head Height	Description
W01	BED 1	1200 mm	1800 mm	2100 mm	XO SLIDING GLASS WINDOW
W02	KITCHEN	1200 mm	1500 mm	2100 mm	XO SLIDING GLASS WINDOW
W03	LIVING	1200 mm	1800 mm	2100 mm	XO SLIDING GLASS WINDOW
W04	BATH	600 mm	600 mm	2100 mm	XO SLIDING GLASS WINDOW
W05	BED 2	1200 mm	1800 mm	2100 mm	XO SLIDING GLASS WINDOW

THE AIRLIE

DRAWING TITLE:

FLOOR PLAN

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DRAWN BY:	WE	PRINT TIME:	25/06/2018 2:24:39 PM

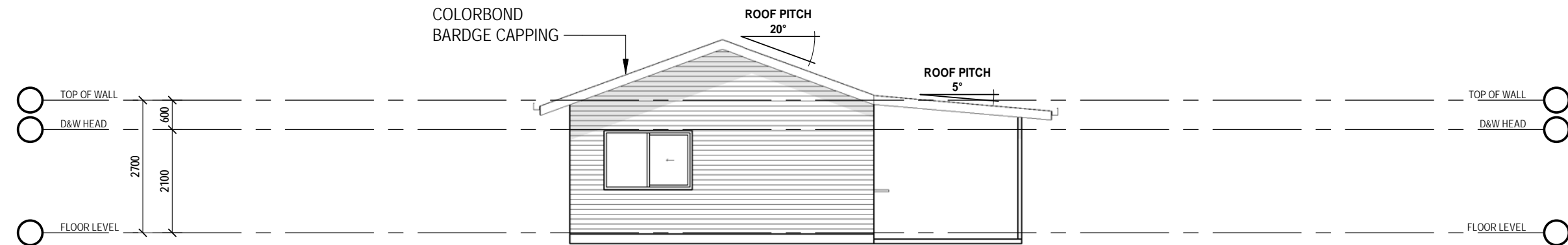
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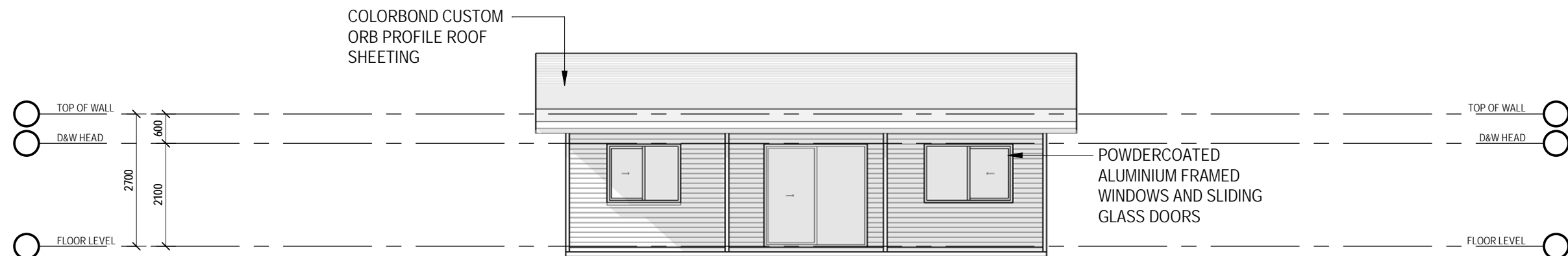
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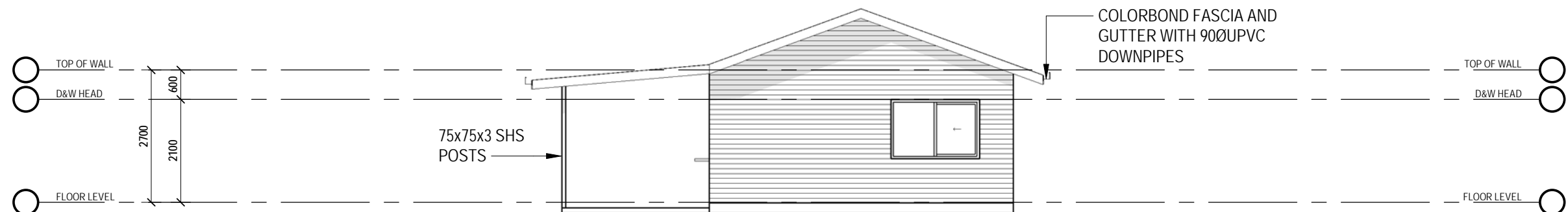
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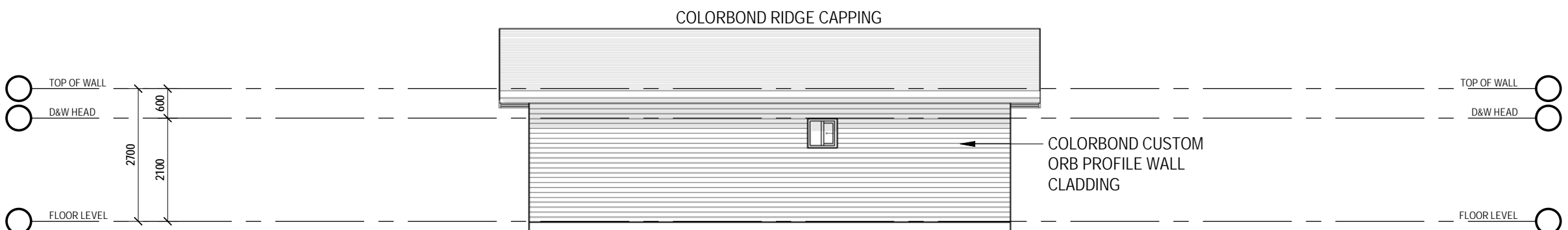
ELEVATION 1



ELEVATION 2



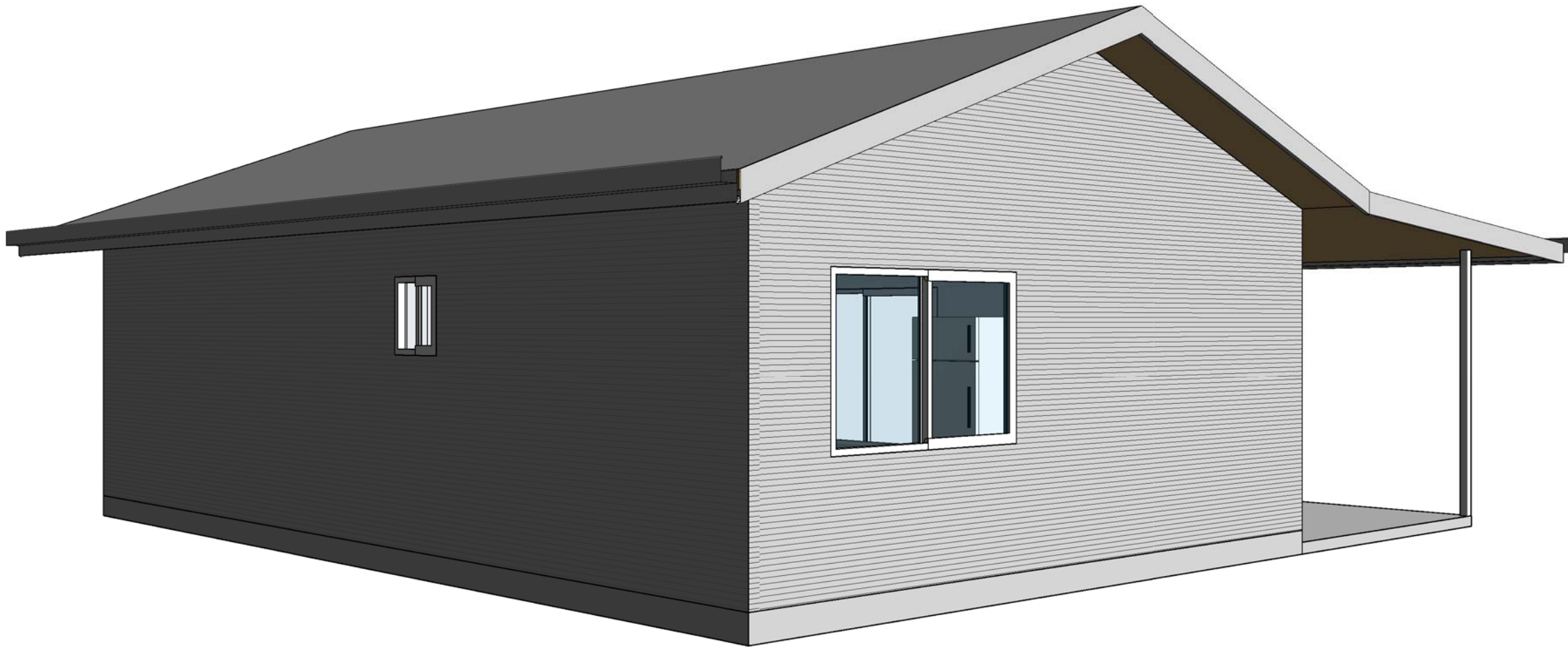
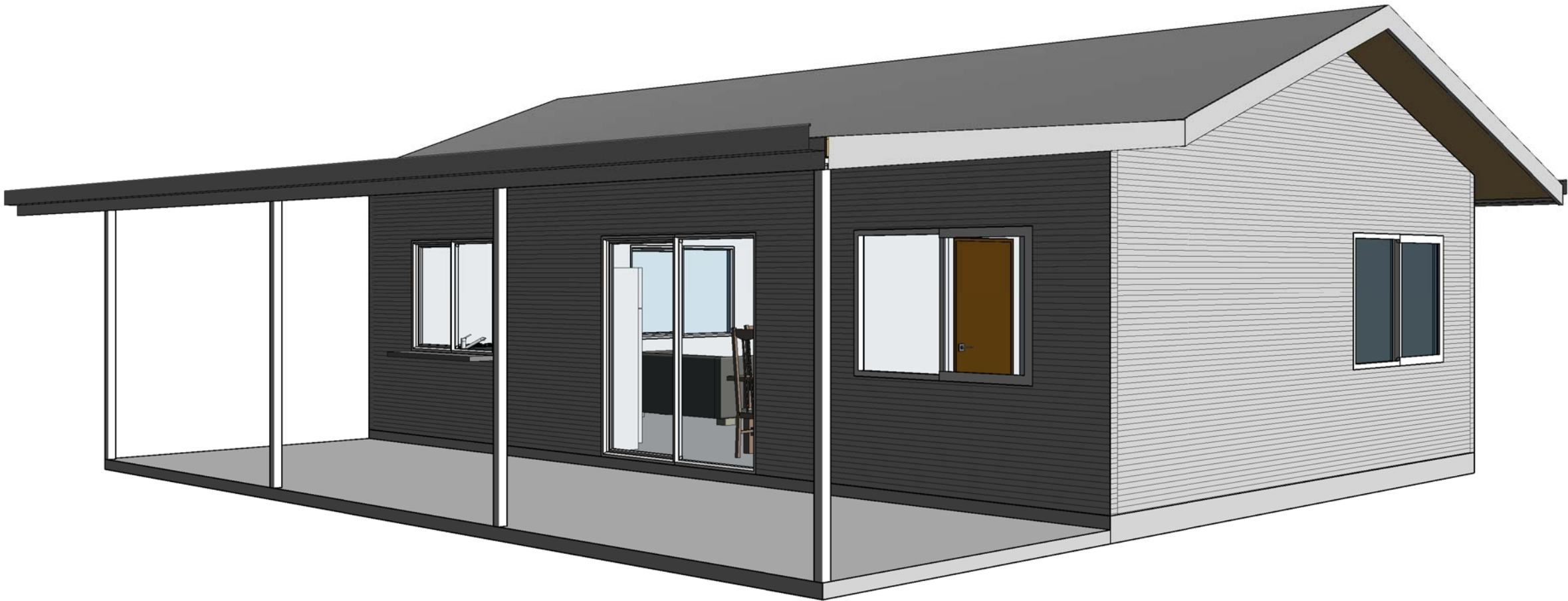
ELEVATION 3



ELEVATION 4

THE AIRLIE	
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ELEVATIONS	
DRAWING NO. 04	SCALE: 1:100 AT A3
DRAWN BY: WE	PRINT TIME: 25/06/2018 2:24:41 PM
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THE AIRLIE

DRAWING TITLE:
3D VIEWS

DRAWING NO. 05 SCALE: NTS AT A3
DRAWN BY: WE PRINT TIME: 25/06/2018 2:24:42 PM

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Attachment 4

Site Assessment and Onsite Waste Water Treatment Design

Prepared by Dirt Professionals

DIRT PROFESSIONALS

Email: dirtprofessionals@bigpond.com
MOBILE 0417 647 477

Marano Fuels
amarano@maranos.com.au

Tandel Investments Pty Ltd
QBCC No. 1173606

13 September 2022

Site Assessment and Design
2 Mijo Road
Miallo Qld

Job No 24672

INTRODUCTION

This report presents the results of a site assessment performed at 2 Mijo Road, Miallo. The assessment is required to determine the method of effluent disposal, as per AS/NZS 1547:2012 and the current Queensland Plumbing and Wastewater Code for On-site Sewerage Facilities.

EXISTING CONDITIONS

At the time of the assessment the allotment was located in a rural residential subdivision. The building area was grassed and flat with some trees. The proposed 2 x 2 bedrooms and 2 x 1 bedroom cabins are to be located to the West of the allotment and will accommodate 8 persons. The location of the building area was approximately shown.

The proposed wastewater area was grassed and flat. The wastewater area is to be located parallel to the North boundary. **The wastewater area will require a raised mound with a pump well, due to the water logging during seasonal rains.**

FIELD WORK

To investigate subsurface conditions bore holes were excavated to a depth of 1.5 m. The holes were at the proposed wastewater area. A disturbed sample was taken for laboratory testing.

SOIL PROFILE

The bore holes indicate similar soil profiles. There is a layer of clay loams with some sands to the depth of the bore holes.

SOIL CATEGORY FOR DOMESTIC WASTEWATER

The clay loams with some sands are regarded as being an imperfectly drained material with a weak structure. The indicative permeability is 0.12 - 0.5 m/d. The soil category on the basis of visual inspection of the materials and AS/NZS 1547:2012, should be classified as a **Soil Category 4.**

It is proposed that an Advanced Secondary Treatment System is to be used for the dispersal of wastewater. There were no creeks, gullies, drains or bores located in the area. There was no water encountered at a depth of holes at the time of the assessment..

A design loading rate of 20 mm/d should be used for the sizing of the wastewater area. This shall be designed by a qualified designer based on AS/NZS 1547:2012 and the soil assessment data in this report.

RECOMMENDATIONS

The wastewater will consist of a raised mound which will require a pump well to distribute the wastewater to the system.

Care should be taken that the base of the system is level. This can be obtained by orientating the system to follow contours, ensuring even distribution of the wastewater and avoiding any one part of the system being more heavily loaded.

During construction rip and scarify the bed to a depth of 300 mm and apply gypsum at 1 kg/m² to the base of the bed to prevent the clay dispersing. The bed shall be closed in, as soon as possible to protect the gypsum from raindrop impact.

This company is not responsible for the building levels and falls to the wastewater system. These will need to be calculated prior to construction, to determine the building platform heights and allow for sufficient fall to the wastewater area. Consideration should be given as to how the plumber will run the pipes, as this will determine the platform height.

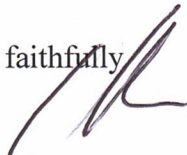
There will be no ponding of water during seasonal rains around the septic tank, pump well and wastewater area. Diversion drains will need to be put in place to divert water from the wastewater area.

The treatment system is to be installed as per the manufacturers specifications.

VALIDITY

The excavation of a limited number of holes does not preclude the possibility of some conditions on the site being different from those encountered in the holes. Should conditions be found which differ from those described in this report, then the recommendations are not valid and this organisation should be contacted.

Yours faithfully



Angelo Tudini

Director

Tandel Investments Pty Ltd T/as **Dirt Professionals**

Attached:

Site Plan and Site Photo

AES Design Calculator, AES Pipe Layout Details & AES Cross-sectional Details

BORE HOLE LOGS

TEST HOLE 1

0.0 - 1.5 m Clay Loams with some sands - Brown

TEST HOLE 2

0.0 - 1.8 m Clay Loams with some sands - Brown

TEST HOLE 3

0.0 - 1.2 m Clay Loams with some sands - Brown

AES The World Leader in Passive Solutions ©

Site Address	2 (Lot 1/RP710645) Mijo Road, Miallo	State	Queensland	Post Code	4873
Client Name	Marano Fuels	Date of Site Visit	13/9/2022		
Designers Name	Angelo Tudini	Designers Ph Number	0417 647 477	Designer Lic (e.g QBCC)	1173606
Lic Plumber	TBA	Plumber Ph Number	TBA	Plumb / Drainer Lic Number	TBA
Council Area	Douglas Shire Council	Designers AES Cert Number	1372	Date	4/10/2022

This Calculator is a guide only, receiving soil classification, surface water, water tables and all other site constraints addressed by the qualified designer.

System Designers site and soil calculation data entry

IMPORTANT NOTES

Enter AES L/m loading rate, "30" for ADV Secondary or "38" Secondary	30	>> This design is for an ADVANCED SECONDARY system
Is this a new installation Y or N	Y	>> Minimum single vent size is 80mm or 2 x 50mm house vents
Number of Bedrooms		>> This is not used in ANY Calculation. If not known use N/A or 0.
Number of persons	8	>> A septic tank outlet filter is NOT RECOMMENDED
Daily Design Flow Allowance Litre/Person/Day	150	
Number of rows required to suit site constraints	3	>> Longer AES runs are better than multiple short runs.
Infiltration Soil Category from site/soil evaluation. CATEGORY	4	>> Category may require design considerations. Ref AS1547
Design Loading Rate based on site & soil evaluation DLR (mm/day)	20	>> Soil conditioning may be necessary. Ref AS1547 & Comments.
Bore log depth below system Basal area	1.5m	>> Min depth 1.5m. Check water table/restrictive layer
Is this design a GRAVITY system with no outlet filter? Y or N	N	>> PUMPED. HIGH & LOW vent required including a Velocity Diffuser

COMMENTS :- "The outcome must be important to everyone."

- Ripping of receiving surface required in clay soil structures in Cat 4,5,6. In addition refer to AS 1547. Always excavate & rip parallel to the site slope/AES pipe.
- Specialist soils advice & special design techniques will be required for clay dominated soil having dispersive or shrink/swell behaviour. Refer AS1547
- Designers need to be familiar with special requirements of Local Authorities. ie - Minimum falls from Septic tank outlets to Land application areas etc
- Plumbers are reminded to practice good construction techniques as per AS 1547 & as provided on AES installation instructions supplied with components.

AES System Calculator Outcomes			AES dimensions		
Total System load - litres / day (Q).	1200	l/d		AES System	System Extension
Min Length of AES pipe rows to treat loading	13.33	lm	Length:(L)	15.60m	15.60m
Number of FULL AES Pipe lengths per row	5	lths	Width:(W)	1.80m	2.05m
Total Capacity of AES System pipe in Litres	3180	ltr.	Sand Depth :	0.75m	0.15m
			Area m2	28.1 m^2	31.9 m^2


USE CUT LENGTHS OF PIPE IN THIS DESIGN? (ENTER Y)

IF YOU WISH TO USE A TRENCH EXTENSION DESIGN OPTION ENTER "Y"

Enter Custom Width in metre

AES INFILTRATION FOOT PRINT AREA - $L = Q / (DLR \times W)$	Length	Width	Minimum AES foot print required	
for this Basic Serial design is	15.600m	x 3.85m	=	60.0 m2 total

AES pipes are best centered in the trench parallel to the site slope

Code	AES System Bill of Materials.	Chankar Environmental Use Only	
AES-PIPE	AES 3 metre Lengths required	15	lths
AESC	AES Couplings required	12	ea
AESO	AES Offset adaptors	6	ea
AESODV	AES Oxygen demand vent	2	ea
AES-IPB	AES 100mm Inspection point base	2	ea
TD Kit 4	4 Hole Distribution Box Kit		ea
TD Kit 7	7 Hole Distribution Box Kit		ea
VS43-4	Sweet Air Filter VS43-4		ea
AES DESO	Double Offset Adaptors		ea
TOTAL SYSTEM SAND REQUIRED (Estimate Only)		31	m3
Please email your AES Calculator (EXCEL FORMAT), Site Layout & AES Design to designreview@enviro-septic.com.au		 ADVANCED ENVIRO-SEPTIC™ <i>"Nature's Wastewater Solutions"</i> Digitally signed by Steve Dennis DN: cn=Steve Dennis, o=Chankar Environmental, ou=Design Review, email=steve@enviro-septic.com.au, c=US Date: 2022.10.05 13:12:18 +10'00' designreview@enviro-septic.com.au	

> The AES Calculator is a design aid to allow checking of the AES components, configuration and is a guide only. Site and soil conditions referencing AS1547 are calculated and designed by a Qualified Wastewater Designer.

> Chankar Environmental accepts no responsibility for the soil evaluation, loading calculations or DLR entered by the designer for this calculator.

> AES pipes can be cut to length on site. They are supplied in 3 meter lengths only.

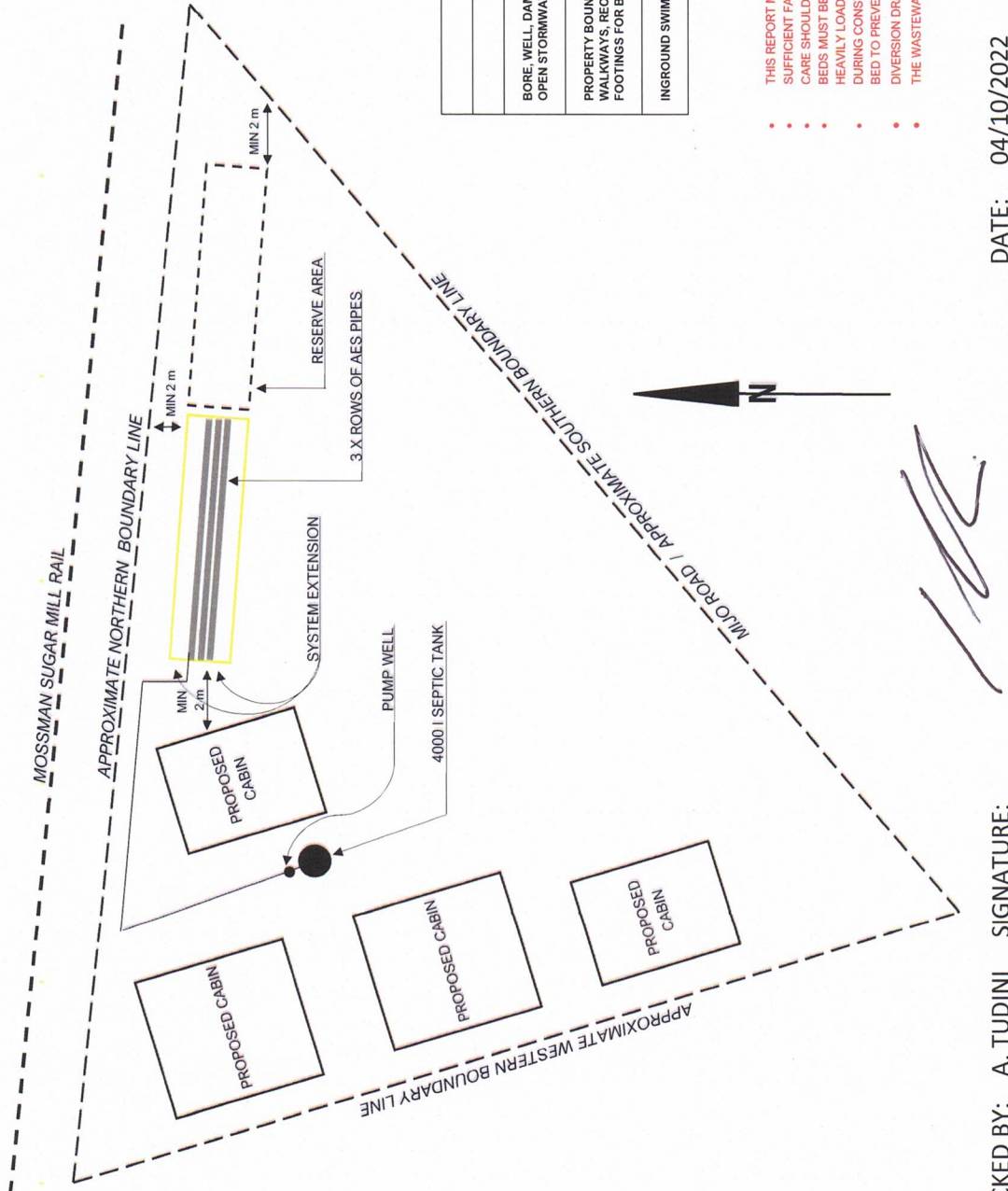
> AES ONLY supply AES components as detailed in the Bill of Materials.

> SEPTIC Tank & other components including SAND will need to be sourced from other suppliers. Refer to our WEBSITE www.enviro-septic.com.au OR 07 5474 4055

NOT TO SCALE

SITE LOCALITY PLAN

2 (LOT 1/RP710645) MIJO ROAD, MIALLO



OVERALL AES SYSTEM DIMENSIONS
FOR THE RAISED PUMPED SYSTEM
MINIMUM AES FOOTPRINT REQUIRED
15.6 m LONG X 3.85 m WIDE = 60.0 m²

AES PIPE SYSTEM DIMENSIONS
15.6 m LONG X 1.80 m WIDE
3 X ROWS OF AES PIPES
5 X FULL AES PIPE LENGTHS PER ROW

AES SYSTEM EXTENSION DIMENSIONS
15.6 m LONG X 2.05 m WIDE

MINIMUM SETBACK DISTANCES FOR AN ADVANCED SECONDARY TREATMENT SYSTEM			
SITE FEATURE	UP SLOPE	DOWN SLOPE	LEVEL
BORE, WELL, DAM, WATERCOURSE, LAKE, BAY, ESTUARY, OPEN STORMWATER DRAINAGE CHANNEL OR DRAIN	10m	10 m	10 m
PROPERTY BOUNDARIES, PEDESTRIAN PATHS, WALKWAYS, RECREATION AREAS, RETAINING WALL AND FOOTINGS FOR BUILDINGS AND OTHER STRUCTURES	2 m	4 m	2 m
INGROUND SWIMMING POOLS	6 m	6 m	6 m

NOTES

- THIS REPORT MUST BE READ IN ITS ENTIRETY PRIOR TO THE CONSTRUCTION OF THE WASTEWATER AREA.
- SUFFICIENT FALL TO THE WASTEWATER AREA MUST BE CALCULATED PRIOR TO CONSTRUCTION.
- CARE SHOULD BE TAKEN THAT THE BASE OF THE SYSTEM IS LEVEL.
- BEDS MUST BE BUILT ALONG THE CONTOURS TO ENSURE EVEN DISTRIBUTION AND AVOID ANY ONE PART OF THE BED BEING MORE HEAVILY LOADED.
- DURING CONSTRUCTION RIP AND SCARIFY THE BED TO A DEPTH OF 300 mm AND APPLY GYPSUM AT 1 kg/m² TO THE BASE OF THE BED TO PREVENT THE CLAY DISPERSING.
- DIVERSION DRAINS WILL NEED TO BE PUT IN PLACE TO DIVERT WATER AWAY FROM THE WASTEWATER AREA.
- THE WASTEWATER SYSTEM MUST BE INSTALLED AS PER THE MANUFACTURERS SPECIFICATIONS.

CHECKED BY: A. TUDINI SIGNATURE: _____

DATE: 04/10/2022

DIRT PROFESSIONALS

EMAIL: dirtprofessionals@bigpond.com

REV#

DATE

SUBJECT

AUTHORISED

REVISIONS

ADVANCED ENVIRO-SEPTIC

RAISED CONNECTION DETAIL (NOT TO SCALE)

CHANKAR ENVIRONMENTAL PTY LTD

T/A

ADVANCED ENVIRO-SEPTIC

"Always The First Option"

QBCC LICENCE NUMBER

150 238 31

ABN NUMBER 2915487097

Phone: +61 7 5474 4055

Fax: +61 7 5335 1691

Email: designview@enviro-septic.com.au

Web: www.enviro-septic.com.au

WASTE WATER TREATMENT & EFFLUENT DISPOSAL SYSTEM

SITE PLAN

NAME OF CLIENT

Marano Fuels

DESIGNER

A. Tudini

DRAWN

S. Dennis

LOT & PLAN

2 (Lot 1/RP710645)

STREET ADDRESS

Mijo Road, MIALLO

COUNCIL

Douglas Shire Council

DRAWING DETAILS

3 Rows 3 Pipes Riser Pumped

SCALE

CLIENT REFERENCE #

DATE

04/10/2022

DATE

JOB NUMBER

24672

REVISION

DWG #

SL2 3R 5P

2 (Lot1/RP710645) Mijo Road, MIALLO

16°24'1"S 145°22'48"E

16°24'1"S 145°22'52"E



16°24'5"S 145°22'48"E

16°24'5"S 145°22'52"E

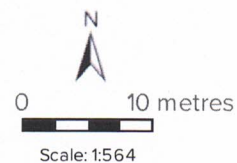
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Printed at: A4

Print date: 4/10/2022

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**Queensland
Government**
Department of Resources



Attachment 5

Statement of Code Compliance Against the Relevant State Development Codes

State code 1: Development in a state-controlled road environment

Table 1.1 Development in general

Performance outcomes	Acceptable outcomes	Response
Buildings, structures, infrastructure, services and utilities		
PO1 The location of the development does not create a safety hazard for users of the state-controlled road .	AO1.1 Development is not located in a state-controlled road . AND AO1.2 Development can be maintained without requiring access to a state-controlled road .	Complies The proposed development is located on private freehold land. Access to the site is provided via Mijo Road, a Local Government Controlled Road.
PO2 The design and construction of the development does not adversely impact the structural integrity or physical condition of the state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies The proposed development is located on private freehold land.
PO3 The location of the development does not obstruct road transport infrastructure or adversely impact the operating performance of the state-controlled road .	No acceptable outcome is prescribed.	Complies The proposed development is located on private freehold land. Access to the site is provided via Mijo Road, a Local Government Controlled Road.
PO4 The location, placement, design and operation of advertising devices, visible from the state-controlled road , do not create a safety hazard for users of the state-controlled road .	No acceptable outcome is prescribed.	Not applicable.
PO5 The design and construction of buildings and structures does not create a safety hazard by distracting users of the state-controlled road .	AO5.1 Facades of buildings and structures fronting the state-controlled road are made of non-reflective materials.	Complies The proposed development is setback as far as possible from the State Controlled Road and will not be visually distracting. No external lighting is proposed.

Performance outcomes	Acceptable outcomes	Response
	<p>AND</p> <p>AO5.2 Facades of buildings and structures do not direct or reflect point light sources into the face of oncoming traffic on the state-controlled road.</p> <p>AND</p> <p>AO5.3 External lighting of buildings and structures is not directed into the face of oncoming traffic on the state-controlled road.</p> <p>AND</p> <p>AO5.4 External lighting of buildings and structures does not involve flashing or laser lights.</p>	
PO6 Road, pedestrian and bikeway bridges over a state-controlled road are designed and constructed to prevent projectiles from being thrown onto the state-controlled road .	AO6.1 Road, pedestrian and bikeway bridges over the state-controlled road include throw protection screens in accordance with section 4.11 of the Design Criteria for Bridges and Other Structures Manual, Department of Transport and Main Roads, 2020.	Not applicable.
Landscaping		
PO7 The location of landscaping does not create a safety hazard for users of the state-controlled road .	<p>AO7.1 Landscaping is not located in a state-controlled road.</p> <p>AND</p> <p>AO7.2 Landscaping can be maintained without requiring access to a state-controlled road.</p> <p>AND</p>	<p>Will comply.</p> <p>The landscaping design is yet to be completed.</p>

Performance outcomes	Acceptable outcomes	Response
	AO7.3 Landscaping does not block or obscure the sight lines for vehicular access to a state-controlled road .	
Stormwater and overland flow		
PO8 Stormwater run-off or overland flow from the development site does not create or exacerbate a safety hazard for users of the state-controlled road .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO9 Stormwater run-off or overland flow from the development site does not result in a material worsening of the operating performance of the state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO10 Stormwater run-off or overland flow from the development site does not adversely impact the structural integrity or physical condition of the state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO11 Development ensures that stormwater is lawfully discharged.	AO11.1 Development does not create any new points of discharge to a state-controlled road . AND AO11.2 Development does not concentrate flows to a state-controlled road . AND AO11.3 Stormwater run-off is discharged to a lawful point of discharge . AND	Complies No new discharge points will be created to the transport corridor.

Performance outcomes	Acceptable outcomes	Response
	AO11.4 Development does not worsen the condition of an existing lawful point of discharge to the state-controlled road .	
Flooding		
PO12 Development does not result in a material worsening of flooding impacts within a state-controlled road .	<p>AO12.1 For all flood events up to 1% annual exceedance probability, development results in negligible impacts (within +/- 10mm) to existing flood levels within a state-controlled road.</p> <p>AND</p> <p>AO12.2 For all flood events up to 1% annual exceedance probability, development results in negligible impacts (up to a 10% increase) to existing peak velocities within a state-controlled road.</p> <p>AND</p> <p>AO12.3 For all flood events up to 1% annual exceedance probability, development results in negligible impacts (up to a 10% increase) to existing time of submergence of a state-controlled road.</p>	<p>Complies</p> <p>The proposed development is small scale. The total roof area is equivalent to that for a Dwelling House and Shed which could ordinarily be constructed on the lot. It is submitted that the proposed development will not result in a material worsening.</p>
Drainage Infrastructure		
PO13 Drainage infrastructure does not create a safety hazard for users in the state-controlled road .	<p>AO13.1 Drainage infrastructure is wholly contained within the development site, except at the lawful point of discharge.</p> <p>AND</p> <p>AO13.2 Drainage infrastructure can be maintained without requiring access to a state-controlled road.</p>	<p>Complies</p> <p>No new drainage infrastructure is proposed outside of the property boundary.</p>

Performance outcomes	Acceptable outcomes	Response
PO14 Drainage infrastructure associated with, or within, a state-controlled road is constructed, and designed to ensure the structural integrity and physical condition of existing drainage infrastructure and the surrounding drainage network.	No acceptable outcome is prescribed.	Not applicable.

Table 1.2 Vehicular access, road layout and local roads

Performance outcomes	Acceptable outcomes	Response
Vehicular access to a state-controlled road or within 100 metres of a state-controlled road intersection		
PO15 The location, design and operation of a new or changed access to a state-controlled road does not compromise the safety of users of the state-controlled road .	No acceptable outcome is prescribed.	Not applicable. No new or changed access to the State Controlled Road is proposed. Access to the site is via Mijo Road, a Local Government Controlled Road.
PO16 The location, design and operation of a new or changed access does not adversely impact the functional requirements of the state-controlled road .	No acceptable outcome is prescribed.	Not applicable. Refer to discussion above.
PO17 The location, design and operation of a new or changed access is consistent with the future intent of the state-controlled road .	No acceptable outcome is prescribed.	Not applicable. Refer to discussion above.
PO18 New or changed access is consistent with the access for the relevant limited access road policy : 1. LAR 1 where direct access is prohibited; or 2. LAR 2 where access may be permitted, subject to assessment.	No acceptable outcome is prescribed.	Not applicable. Refer to discussion above.
PO19 New or changed access to a local road within 100 metres of an intersection with a state-controlled road does not compromise the safety of users of the state-controlled road .	No acceptable outcome is prescribed.	Complies The proposed access via Mijo Road is located as far as practically possible from the intersection with the State Controlled Road.
PO20 New or changed access to a local road within 100 metres of an intersection with a state-controlled road does not adversely impact on the operating performance of the intersection.	No acceptable outcome is prescribed.	Complies The proposed development is not going to significantly increase the number of traffic movements onto the State Controlled Road.

Performance outcomes	Acceptable outcomes	Response
Public passenger transport and active transport		
PO21 Development does not compromise the safety of users of public passenger transport infrastructure, public passenger services and active transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO22 Development maintains the ability for people to access public passenger transport infrastructure, public passenger services and active transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO23 Development does not adversely impact the operating performance of public passenger transport infrastructure, public passenger services and active transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO24 Development does not adversely impact the structural integrity or physical condition of public passenger transport infrastructure and active transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.

Table 1.3 Network impacts

Performance outcomes	Acceptable outcomes	Response
PO25 Development does not compromise the safety of users of the state-controlled road network.	No acceptable outcome is prescribed.	Complies The proposed development is for Staff Accommodation only and is setback off the State Controlled Road by approximately 40m. It is not expected that the proposed development will compromise safety of users.
PO26 Development ensures no net worsening of the operating performance of the state-controlled road network.	No acceptable outcome is prescribed.	Complies Given the nature and scale of development proposed, it is not expected that the development will impact the operating performance of the network.
PO27 Traffic movements are not directed onto a state-controlled road where they can be accommodated on the local road network.	No acceptable outcome is prescribed.	Complies No direct access to the State Controlled Road is proposed.

Performance outcomes	Acceptable outcomes	Response
PO28 Development involving haulage exceeding 10,000 tonnes per year does not adversely impact the pavement of a state-controlled road .	No acceptable outcome is prescribed.	Not applicable.
PO29 Development does not impede delivery of planned upgrades of state-controlled roads .	No acceptable outcome is prescribed.	Complies
PO30 Development does not impede delivery of corridor improvements located entirely within the state-controlled road corridor .	No acceptable outcome is prescribed.	Complies

Table 1.4 Filling, excavation, building foundations and retaining structures

Performance outcomes	Acceptable outcomes	Response
PO31 Development does not create a safety hazard for users of the state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies Only minimal excavation and filling is required to facilitate the development i.e. level the ground and construct building pad.
PO32 Development does not adversely impact the operating performance of the state-controlled road .	No acceptable outcome is prescribed.	Complies Refer to discussion above.
PO33 Development does not undermine, damage or cause subsidence of a state-controlled road .	No acceptable outcome is prescribed.	Complies Refer to discussion above.
PO34 Development does not cause ground water disturbance in a state-controlled road .	No acceptable outcome is prescribed.	Complies Refer to discussion above.
PO35 Excavation, boring, piling, blasting and fill compaction do not adversely impact the physical condition or structural integrity of a state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies Refer to discussion above.
PO36 Filling and excavation associated with the construction of new or changed access do not compromise the operation or capacity of existing drainage infrastructure for a state-controlled road .	No acceptable outcome is prescribed.	Complies Refer to discussion above.

Table 1.5 Environmental emissions

Statutory note: Where a **state-controlled road** is co-located in the same transport corridor as a railway, the development should instead comply with Environmental emissions in State code 2: Development in a railway environment.

Performance outcomes	Acceptable outcomes	Response
Reconfiguring a lot		
Involving the creation of 5 or fewer new residential lots adjacent to a state-controlled road or type 1 multi-modal corridor		
PO37 Development minimises free field noise intrusion from a state-controlled road .	<p>AO37.1 Development provides a noise barrier or earth mound which is designed, sited and constructed:</p> <ol style="list-style-type: none"> 1. to achieve the maximum free field acoustic levels in reference table 2 (item 2.1); 2. in accordance with: <ol style="list-style-type: none"> a. Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; b. Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; c. Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020. <p>OR</p> <p>AO37.2 Development achieves the maximum free field acoustic levels in reference table 2 (item 2.1) by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound.</p> <p>OR</p> <p>AO37.3 Development provides a solid gap-free fence or other solid gap-free structure along the</p>	Not applicable.

Performance outcomes	Acceptable outcomes	Response
	full extent of the boundary closest to the state-controlled road .	
Involving the creation of 6 or more new residential lots adjacent to a state-controlled road or type 1 multi-modal corridor		
PO38 Reconfiguring a lot minimises free field noise intrusion from a state-controlled road .	<p>AO38.1 Development provides noise barrier or earth mound which is designed, sited and constructed:</p> <ol style="list-style-type: none"> 1. to achieve the maximum free field acoustic levels in reference table 2 (item 2.1); 2. in accordance with: <ol style="list-style-type: none"> a. Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; b. Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; c. Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020. <p>OR</p> <p>AO38.2 Development achieves the maximum free field acoustic levels in reference table 2 (item 2.1) by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound.</p>	Not applicable.
Material change of use (accommodation activity)		
Ground floor level requirements adjacent to a state-controlled road or type 1 multi-modal corridor		
PO39 Development minimises noise intrusion from a state-controlled road in private open space .	<p>AO39.1 Development provides a noise barrier or earth mound which is designed, sited and constructed:</p> <ol style="list-style-type: none"> 1. to achieve the maximum free field acoustic levels in reference table 2 (item 	<p>Can comply</p> <p>It is expected that a noise barrier or fence may not be required. The proposed siting of the Cabins is towards the rear of the property and furthest from the State Controlled Road. According to Councils Road Corridor Mapping the area where the</p>

Performance outcomes	Acceptable outcomes	Response
	<p>2.2) for private open space at the ground floor level;</p> <p>2. in accordance with:</p> <ul style="list-style-type: none"> a. Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; b. Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; c. Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020. <p>OR</p> <p>AO39.2 Development achieves the maximum free field acoustic level in reference table 2 (item 2.2) for private open space by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound.</p>	<p>proposed Cabins are located is within the <58dB(A) zone. The Applicant will be guided by the Department's assessment.</p>
<p>PO40 Development (excluding a relevant residential building or relocated building) minimises noise intrusion from a state-controlled road in habitable rooms at the facade.</p>	<p>AO40.1 Development (excluding a relevant residential building or relocated building) provides a noise barrier or earth mound which is designed, sited and constructed:</p> <ul style="list-style-type: none"> 1. to achieve the maximum building façade acoustic level in reference table 1 (item 1.1) for habitable rooms; 2. in accordance with: <ul style="list-style-type: none"> a. Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; 	<p>Can comply</p> <p>The Applicant will be guided by the Department's assessment.</p>

Performance outcomes	Acceptable outcomes	Response
	b. Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; c. Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020. OR AO40.2 Development (excluding a relevant residential building or relocated building) achieves the maximum building façade acoustic level in reference table 1 (item 1.1) for habitable rooms by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound.	
PO41 Habitable rooms (excluding a relevant residential building or relocated building) are designed and constructed using materials to achieve the maximum internal acoustic level in reference table 3 (item 3.1).	No acceptable outcome is provided.	Can comply The Applicant will be guided by the Department's assessment.
Above ground floor level requirements (accommodation activity) adjacent to a state-controlled road or type 1 multi-modal corridor		
PO42 Balconies, podiums, and roof decks include: 1. a continuous solid gap-free structure or balustrade (excluding gaps required for drainage purposes to comply with the Building Code of Australia); 2. highly acoustically absorbent material treatment for the total area of the soffit above balconies, podiums, and roof decks.	No acceptable outcome is provided.	Not applicable.
PO43 Habitable rooms (excluding a relevant residential building or relocated building) are designed and constructed using materials to achieve the maximum internal acoustic level in reference table 3 (item 3.1).	No acceptable outcome is provided.	Not applicable.
Material change of use (other uses)		

Performance outcomes	Acceptable outcomes	Response
Ground floor level requirements (childcare centre, educational establishment, hospital) adjacent to a state-controlled road or type 1 multi-modal corridor		
PO44 Development: <ol style="list-style-type: none"> provides a noise barrier or earth mound that is designed, sited and constructed: <ol style="list-style-type: none"> to achieve the maximum free field acoustic level in reference table 2 (item 2.3) for all outdoor education areas and outdoor play areas; in accordance with: <ol style="list-style-type: none"> Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020; or achieves the maximum free field acoustic level in reference table 2 (item 2.3) for all outdoor education areas and outdoor play areas by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound. 	No acceptable outcome is provided.	Not applicable.
PO45 Development involving a childcare centre or educational establishment : <ol style="list-style-type: none"> provides a noise barrier or earth mound that is designed, sited and constructed: to achieve the maximum building facade acoustic level in reference table 1 (item 1.2); 	No acceptable outcome is provided.	Not applicable.

Performance outcomes	Acceptable outcomes	Response
3. in accordance with: <ul style="list-style-type: none"> a. Chapter 7 integrated noise barrier design of the Transport Noise Management Code of Practice: Volume 1 (Road Traffic Noise), Department of Transport and Main Roads, 2013; b. Technical Specification-MRTS15 Noise Fences, Transport and Main Roads, 2019; c. Technical Specification-MRTS04 General Earthworks, Transport and Main Roads, 2020; or 4. achieves the maximum building facade acoustic level in reference table 1 (item 1.2) by alternative noise attenuation measures where it is not practical to provide a noise barrier or earth mound.		
PO46 Development involving: <ul style="list-style-type: none"> 1. indoor education areas and indoor play areas; or 2. sleeping rooms in a childcare centre; or 3. patient care areas in a hospital achieves the maximum internal acoustic level in reference table 3 (items 3.2-3.4). 	No acceptable outcome is provided.	Not applicable.
Above ground floor level requirements (childcare centre, educational establishment, hospital) adjacent to a state-controlled road or type 1 multi-modal corridor		
PO47 Development involving a childcare centre or educational establishment which have balconies, podiums or elevated outdoor play areas predicted to exceed the maximum free field acoustic level in reference table 2 (item 2.3) due to noise from a state-controlled road are provided with: <ul style="list-style-type: none"> 1. a continuous solid gap-free structure or balustrade (excluding gaps required for 	No acceptable outcome is provided.	Not applicable.

Performance outcomes	Acceptable outcomes	Response
<p>drainage purposes to comply with the Building Code of Australia);</p> <p>2. highly acoustically absorbent material treatment for the total area of the soffit above balconies or elevated outdoor play areas.</p>		
<p>PO48 Development including:</p> <p>1. indoor education areas and indoor play areas in a childcare centre or educational establishment; or</p> <p>2. sleeping rooms in a childcare centre; or</p> <p>3. patient care areas in a hospital located above ground level, is designed and constructed to achieve the maximum internal acoustic level in reference table 3 (items 3.2-3.4).</p>	No acceptable outcome is provided.	Not applicable.
Air, light and vibration		
<p>PO49 Private open space, outdoor education areas and outdoor play areas are protected from air quality impacts from a state-controlled road.</p>	<p>AO49.1 Each dwelling or unit has access to a private open space which is shielded from a state-controlled road by a building, solid gap-free fence, or other solid gap-free structure.</p> <p>OR</p> <p>AO49.2 Each outdoor education area and outdoor play area is shielded from a state-controlled road by a building, solid gap-free fence, or other solid gap-free structure.</p>	<p>Complies.</p> <p>Three of the proposed Cabins are orientated towards the west and shield private open space areas from the State Controlled Road. The fourth cabin is orientated towards the north, which faces away from the State Controlled Road. Each Cabin has an attached private balcony.</p>

Performance outcomes	Acceptable outcomes	Response
PO50 Patient care areas within hospitals are protected from vibration impacts from a state-controlled road or type 1 multi-modal corridor .	<p>AO50.1 Hospitals are designed and constructed to ensure vibration in the patient treatment area does not exceed a vibration dose value of $0.1\text{m/s}^{1.75}$.</p> <p>AND</p> <p>AO50.2 Hospitals are designed and constructed to ensure vibration in the ward of a patient care area does not exceed a vibration dose value of $0.4\text{m/s}^{1.75}$.</p>	Not applicable.
<p>PO51 Development is designed and sited to ensure light from infrastructure within, and from users of, a state-controlled road or type 1 multi-modal corridor, does not:</p> <ol style="list-style-type: none"> 1. intrude into buildings during night hours (10pm to 6am); 2. create unreasonable disturbance during evening hours (6pm to 10pm). 	No acceptable outcomes are prescribed.	<p>Complies.</p> <p>The proposed development is located as far as practically possible from the State Controlled Road. Light intrusion is expected to minimal and may be addressed through fitting internal curtains.</p>

Table 1.6: Development in a future state-controlled road environment

Performance outcomes	Acceptable outcomes	Response
PO52 Development does not impede delivery of a future state-controlled road .	<p>AO52.1 Development is not located in a future state-controlled road.</p> <p>OR ALL OF THE FOLLOWING APPLY:</p> <p>AO52.2 Development does not involve filling and excavation of, or material changes to, a future state-controlled road.</p> <p>AND</p>	Not applicable.

Performance outcomes	Acceptable outcomes	Response
	<p>AO52.3 The intensification of lots does not occur within a future state-controlled road.</p> <p>AND</p> <p>AO52.4 Development does not result in the landlocking of parcels once a future state-controlled road is delivered.</p>	
PO53 The location and design of new or changed access does not create a safety hazard for users of a future state-controlled road .	AO53.1 Development does not include new or changed access to a future state-controlled road .	Not applicable.
PO54 Filling, excavation, building foundations and retaining structures do not undermine, damage or cause subsidence of a future state-controlled road .	No acceptable outcome is prescribed.	Not applicable.
PO55 Development does not result in a material worsening of stormwater, flooding, overland flow or drainage impacts in a future state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO56 Development ensures that stormwater is lawfully discharged.	<p>AO56.1 Development does not create any new points of discharge to a future state-controlled road.</p> <p>AND</p> <p>AO56.2 Development does not concentrate flows to a future state-controlled road.</p> <p>AND</p> <p>AO56.3 Stormwater run-off is discharged to a lawful point of discharge.</p> <p>AND</p>	Not applicable.

Performance outcomes	Acceptable outcomes	Response
	AO56.4 Development does not worsen the condition of an existing lawful point of discharge to the future state-controlled road .	

State code 6: Protection of state transport networks

Table 6.2 Development in general

Performance outcomes	Acceptable outcomes	Response
Network impacts		
PO1 Development does not compromise the safety of users of the state-controlled road network.	No acceptable outcome is prescribed.	Complies Access to the development site is proposed via Mijo Road, an existing sealed Local Government Road.
PO2 Development does not adversely impact the structural integrity or physical condition of a state-controlled road or road transport infrastructure .	No acceptable outcome is prescribed.	Complies No works are proposed on the State Controlled Road.
PO3 Development ensures no net worsening of the operating performance the state-controlled road network.	No acceptable outcome is prescribed.	Complies Access to the development site is proposed via Mijo Road, an existing sealed Local Government Road.
PO4 Traffic movements are not directed onto a state-controlled road where they can be accommodated on the local road network.	No acceptable outcome is prescribed.	Complies Access to the development site is proposed via Mijo Road, an existing sealed Local Government Road.
PO5 Development involving haulage exceeding 10,000 tonnes per year does not damage the pavement of a state-controlled road .	No acceptable outcome is prescribed.	Not applicable.
PO6 Development does not require a new railway level crossing.	No acceptable outcome is prescribed.	Not applicable.
PO7 Development does not adversely impact the operating performance of an existing railway crossing .	No acceptable outcome is prescribed.	Not applicable.
PO8 Development does not adversely impact on the safety of an existing railway crossing .	No acceptable outcome is prescribed.	Not applicable.
PO9 Development is designed and constructed to allow for on-site circulation to ensure vehicles do not queue in a railway crossing .	No acceptable outcome is prescribed.	Not applicable.
PO10 Development does not create a safety hazard within the railway corridor .	No acceptable outcome is prescribed.	Not applicable.

Performance outcomes	Acceptable outcomes	Response
PO11 Development does not adversely impact the operating performance of the railway corridor .	No acceptable outcome is prescribed.	Not applicable.
PO12 Development does not interfere with or obstruct the railway transport infrastructure or other rail infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO13 Development does not adversely impact the structural integrity or physical condition of a railway corridor or rail transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
Stormwater and overland flow		
PO14 Stormwater run-off or overland flow from the development site does not create or exacerbate a safety hazard for users of a state transport corridor or state transport infrastructure .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO15 Stormwater run-off or overland flow from the development site does not result in a material worsening of operating performance of a state transport corridor or state transport infrastructure .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO16 Stormwater run-off or overland flow from the development site does not interfere with the structural integrity or physical condition of the state transport corridor or state transport infrastructure .	No acceptable outcome is prescribed.	Complies Stormwater from hard surfaces will not be concentrated or directed towards the State Controlled Road.
PO17 Development associated with a state-controlled road or road transport infrastructure ensures that stormwater is lawfully discharged.	AO17.1 Development does not create any new points of discharge to a state transport corridor or state transport infrastructure . AND AO17.2 Development does not concentrate flows to a state transport corridor . AND AO17.3 Stormwater run-off is discharged to a lawful point of discharge .	Complies No new discharge points will be created to the transport corridor.

Performance outcomes	Acceptable outcomes	Response
	<p>AND</p> <p>AO17.4 Development does not worsen the condition of an existing lawful point of discharge to a state transport corridor or state transport infrastructure.</p>	
Flooding		
<p>PO18 Development does not result in a material worsening of flooding impacts within a state transport corridor or state transport infrastructure</p>	<p><i>For a state-controlled road or road transport infrastructure, all of the following apply:</i></p> <p>AO18.1 For all flood events up to 1% annual exceedance probability, development ensures there are negligible impacts (within +/- 10mm) to existing flood levels within a state transport corridor.</p> <p>AND</p> <p>AO18.2 For all flood events up to 1% annual exceedance probability, development ensures there are negligible impacts (up to a 10% increase) to existing peak velocities within a state transport corridor.</p> <p>AND</p> <p>AO18.3 For all flood events up to 1% annual exceedance probability, development ensures there are negligible impacts (up to a 10% increase) to existing time of submergence of a state transport corridor.</p> <p><i>No acceptable outcome is prescribed for a railway corridor or rail transport infrastructure.</i></p>	<p>Complies</p> <p>The proposed development is small scale. The total roof area is equivalent to that for a Dwelling House and Shed which could ordinarily be constructed on the lot. It is submitted that the proposed development will not result in a material worsening.</p>
Drainage infrastructure		
<p>PO19 Drainage infrastructure does not create a safety hazard in a state transport corridor.</p>	<p><i>For a state-controlled road environment, both of the following apply:</i></p>	<p>Complies</p> <p>No new drainage infrastructure is proposed outside of the property boundary.</p>

Performance outcomes	Acceptable outcomes	Response
	<p>AO19.1 Drainage infrastructure associated with, or in a state-controlled road is wholly contained within the development site, except at the lawful point of discharge.</p> <p>AND</p> <p>AO19.2 Drainage infrastructure can be maintained without requiring access to a state transport corridor.</p> <p><i>For a railway environment both of the following apply:</i></p> <p>AO19.3 Drainage infrastructure associated with a railway corridor or rail transport infrastructure is wholly contained within the development site.</p> <p>AND</p> <p>AO19.4 Drainage infrastructure can be maintained without requiring access to a state transport corridor.</p>	
PO20 Drainage infrastructure associated with, or in a state-controlled road or road transport infrastructure is constructed and designed to ensure the structural integrity and physical condition of existing drainage infrastructure and the surrounding drainage network is maintained.	No acceptable outcome is prescribed.	Not applicable.
Planned upgrades		
PO21 Development does not impede delivery of planned upgrades of state transport infrastructure .	No acceptable outcome is prescribed.	Complies.

Table 6.3 Public passenger transport infrastructure and active transport

Performance outcomes	Acceptable outcomes	Response
PO22 Development does not damage or interfere with public passenger transport infrastructure, active transport infrastructure or public passenger services.	No acceptable outcome is prescribed.	Not applicable.
PO23 Development does not compromise the safety of public passenger transport infrastructure, public passenger services and active transport infrastructure.	No acceptable outcome is prescribed.	Not applicable.
PO24 Development does not adversely impact the operating performance of public passenger transport infrastructure, public passenger services and active transport infrastructure.	No acceptable outcome is prescribed.	Not applicable.
PO25 Development does not adversely impact the structural integrity or physical condition of public passenger transport infrastructure and active transport infrastructure.	No acceptable outcome is prescribed.	Not applicable.
PO26 Upgraded or new public passenger transport infrastructure and active transport infrastructure is provided to accommodate the demand for public passenger transport and active transport generated by the development.	No acceptable outcome is prescribed.	Not applicable.
PO27 Development is designed to ensure the location of public passenger transport infrastructure prioritises and enables efficient public passenger services.	No acceptable outcome is prescribed.	Not applicable.
PO28 Development enables the provision or extension of public passenger services, public passenger transport infrastructure and active transport infrastructure to the development and avoids creating indirect or inefficient routes for public passenger services.	No acceptable outcome is prescribed.	Not applicable.

Performance outcomes	Acceptable outcomes	Response
PO29 New or modified road networks are designed to enable development to be serviced by public passenger services .	<p>AO29.1 Roads catering for buses are arterial or sub-arterial roads, collector or their equivalent.</p> <p>AND</p> <p>AO29.2 Roads intended to accommodate buses are designed and constructed in accordance with:</p> <ol style="list-style-type: none"> 1. Road Planning and Design Manual, 2nd Edition, Volume 3 – Guide to Road Design; Department of Transport and Main Roads; 2. Supplement to Austroads Guide to Road Design (Parts 3, 4-4C and 6), Department of Transport and Main Roads; 3. Austroads Guide to Road Design (Parts 3, 4-4C and 6); 4. Austroads Design Vehicles and Turning Path Templates; 5. Queensland Manual of Uniform Traffic Control Devices, Part 13: Local Area Traffic Management and AS 1742.13-2009 Manual of Uniform Traffic Control Devices – Local Area Traffic Management; <p>AND</p> <p>AO29.3 Traffic calming devices are not installed on roads used for buses in accordance with section 2.3.2 Bus Route Infrastructure, Public Transport Infrastructure Manual, Department of Transport and Main Roads, 2015.</p>	Not applicable.
PO30 Development provides safe, direct and convenient access to existing and future public passenger transport infrastructure and active transport infrastructure .	No acceptable outcome is prescribed.	Not applicable.
PO31 On-site vehicular circulation ensures the safety of both public passenger transport services and pedestrians.	No acceptable outcome is prescribed.	Not applicable.

Performance outcomes	Acceptable outcomes	Response
PO32 Taxi facilities are provided to accommodate the demand generated by the development.	No acceptable outcome is prescribed.	Not applicable.
PO33 Facilities are provided to accommodate the demand generated by the development for community transport services, courtesy transport services, and booked hire services other than taxis.	No acceptable outcome is prescribed.	Not applicable.
PO34 Taxi facilities are located and designed to provide convenient, safe and equitable access for passengers.	<p>AO34.1 A taxi facility is provided parallel to the kerb and adjacent to the main entrance.</p> <p>AND</p> <p>AO34.2 Taxi facilities are designed in accordance with:</p> <ol style="list-style-type: none"> 1. AS2890.5–1993 Parking facilities – on-street parking and AS1428.1–2009 Design for access and mobility – general requirements for access – new building work; 2. AS1742.11–1999 Parking controls – manual of uniform traffic control devices 3. AS/NZS 2890.6–2009 Parking facilities –off street parking for people with disabilities; 4. Disability standards for accessible public 5. transport 2002 made under section 31(1) of the Disability Discrimination Act 1992; 6. AS/NZS 1158.3.1 – Lighting for roads and public spaces, Part 3.1: Pedestrian area (category P) lighting – Performance and design requirements; 7. Chapter 7 Taxi Facilities, Public Transport Infrastructure Manual, Department of Transport and Main Roads, 2015. 	Not applicable.
PO35 Educational establishments are designed to ensure the safe and efficient operation of public passenger services , pedestrian and cyclist access and active transport infrastructure .	AO35.1 Educational establishments are designed in accordance with the provisions of the Planning for Safe Transport Infrastructure at Schools, Department of Transport and Main Roads, 2011.	Not applicable.

Attachment 6

Statement of Code Compliance Against the Planning Scheme

6.2.4 Environmental management zone code

6.2.4.1 Application

- (1) This code applies to assessing development in the Environmental management zone.
- (2) When using this code, reference should be made to Part 5.

6.2.4.2 Purpose

- (1) The purpose of the Environmental management zone code is to recognise environmentally sensitive areas and provide for houses on lots and other low impact activities where suitable.

These areas are protected from intrusion of any urban, suburban, centre or industrial land use.

- (2) The local government purpose of the code is to:
 - (a) implement the policy direction set in the Strategic Framework, in particular:
 - (i) Theme 2 : Environment and landscape values, Element 3.5.3 – Biodiversity, Element 3.5.5 – Scenic amenity.
 - (b) protect and buffer areas of environmental significance from inappropriate development.
- (3) The purpose of the code will be achieved through the following overall outcomes:
 - (a) Development is generally restricted to a dwelling house;
 - (b) Adverse impacts on natural systems, both on-site and on adjoining land are minimised through the location, design and management of development;
 - (c) Development reflects and responds to the natural features and environmental values of the area;
 - (d) Visual impacts are minimised through the location and design of development;
 - (e) Development does not adversely affect water quality;
 - (f) Development responds to land constraints, including but not limited to topography, vegetation, bushfire, landslide and flooding.

Criteria for assessment

Table 6.2.4.3.a – Environmental management zone – assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For self-assessable and assessable development		
PO1 The height of all buildings and structures is in keeping with the natural characteristics of the site. Buildings and structures are low-rise and not unduly visible from external sites.	AO1.1 Buildings and structures are not more than 8.5 metres and two storeys in height. Note – Height is inclusive of the roof height. AO1.2 Buildings have a roof height not less than 2 metres.	Complies The proposed buildings are single story in height and will be constructed slab on ground.
PO2 Buildings and structures are set back to: (a) maintain the natural character of the area; (b) achieve separation from neighbouring buildings and from road frontages.	A02 Buildings and structures are set back not less than: (a) 40 metres from the frontage of a state controlled road; (b) 25 metres from the frontage to Cape Tribulation Road; (c) 6 metres from any other road; (d) 6 metres from the side and rear boundaries of the site.	Alternative solution The proposed design complies with the minimum 40m Setback to Mossman Daintree Road. A reduced setback of 4m is proposed to Schilds Road and Mijo Road. Given the triangular shape of the lot however, the minimum 4m setback is a point of the building only and the building setback increase as lot tapers wider to the rear. No vehicle access is proposed along Schilds Road and it is proposed to install a fence along this boundary. Furthermore it is noted that the buildings are only narrow, Double Bedroom 9.2m and Single Bedroom 7m, which reduces the visual bulk. A reduced rear boundary setback of 2.5m is proposed. The reduced setback is necessary due to the triangular shape of the lot. Increasing the rear boundary setback would mean reducing the setback between the three Cabins along the western boundary, or possibly needing to build closer to Mossman Daintree Road. The adjoining property to the west is agricultural land under the same ownership as the subject site. Reducing this

Performance outcomes	Acceptable outcomes	Applicant response
		rear boundary setback will not compromise privacy or amenity.
For assessable development		
P03 Development is consistent with the purpose of the Environmental management zone and protects the zone from the intrusion of inconsistent uses.	A03 Inconsistent uses as identified in Table 6.2.4.3.b are not established in the Environmental management zone.	Not applicable The proposed land use is not defined. However it is submitted that the footprint of the proposed development is not dissimilar to a Dwelling House and Shed, which could reasonably be accommodated on the land. The purpose of the proposed development is to service the Marano's Fuel business to the south of the subject site. In this instance it is submitted that the proposed development is appropriately located.
P04 The site coverage of all buildings and structures and associated services do not have an adverse effect on the environmental or scenic values of the site.	A04 No acceptable outcomes are prescribed.	Complies The proposed scale of development is modest. The footprint of the proposed development is not dissimilar to a Dwelling House and Shed, which could reasonably be accommodated on the land. The buildings are single storey.
P05 Development is located, designed, operated and managed to respond to the characteristics, features and constraints of the site and its surrounds. Note - Planning scheme policy – Site assessments provides guidance on identifying the characteristics, features and constraints of a site and its surrounds.	A05.1 Buildings, structures and associated access, infrastructure and private open space are sited: (a) within areas of the site which are already cleared; or (b) within areas of the site which are environmentally degraded; (c) to minimise additional vegetation clearing.	Complies The subject site is relatively level and clear of vegetation. The proposed buildings are sited towards the rear of the property where the block is the widest and furthest from the State Controlled Road.
	A05.2 Buildings and structures and associated infrastructure are not located on slopes greater than 1 in 6 (16.6%) or on a ridgeline.	Complies
P06 Buildings and structures are responsive to steep slope through innovative construction techniques so as to: (a) maintain the geotechnical stability of slopes;	A06.1 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided, development follows the natural	Not applicable



Performance outcomes	Acceptable outcomes	Applicant response
(b) minimise cut and/or fill; (c) minimise the overall height of development.	contours of the land and single plane concrete slab on-ground methods of construction are not utilised. AO6.2 Access and vehicle manoeuvring and parking areas are constructed and maintained to: (a) minimise erosion; (b) minimise cut and fill; (c) follow the natural contours of the site.	Complies
PO7 The exterior finishes of buildings and structures are consistent with the surrounding natural environment.	PO7 The exterior finishes and colours of buildings and structures are non-reflective and are moderately dark to darker shades of grey, green, blue and brown or the development is not visible external to the site.	Will comply The external colour scheme has not been selected at this stage.
PO8 Development does not adversely affect the amenity of the zone and adjoining land uses in terms of traffic, noise, dust, odour, lighting or other physical or environmental impacts.	AO8 No acceptable outcomes are prescribed.	Complies The proposed development is considered an acceptable transition land use between the Industry zoned land to the south and other Environmental Management zoned land to the north. The scale of the proposed development is modest and not dissimilar to a single detached residential Dwelling House and Shed.
PO9 The density of development ensures that the environmental and scenic amenity values of the site and surrounding area are not adversely affected.	AO9 The maximum residential density is one dwelling house per lot.	Alternative Solution The proposed development seeks approval for 2 x 1 bedroom cabins and 2 x 2 bedroom cabins. The development is unlikely to be 100% occupied at any one time, and if it is, it is only likely to be for a short period. In any case the proposed density is not dissimilar to a single Dwelling House.
PO10 Lot reconfiguration results in no additional lots. Note - Boundary realignments to resolve encroachments and lot amalgamation are considered appropriate.	AO10 No acceptable outcomes are prescribed.	Not applicable

Table 6.2.4.3.b – Inconsistent uses within the Environmental management zone

Inconsistent uses		
<ul style="list-style-type: none"> • Adult store • Agricultural supplies store • Air services • Aquaculture • Bar • Brothel • Bulk landscape supplies • Car wash • Caretaker's accommodation • Cemetery • Child care centre • Club • Community care centre • Community residence • Community use • Crematorium • Cropping • Detention facility • Dual occupancy • Dwelling unit • Educational establishment • Food and drink outlet • Function facility • Garden centre 	<ul style="list-style-type: none"> • Hardware and trade supplies • Health care services • High impact industry • Hospital • Hotel • Indoor sport and entertainment • Intensive animal industry • Intensive horticulture • Landing • Low impact industry • Major electricity infrastructure • Major sport, recreation and entertainment facility • Marine industry • Market • Motor sport facility • Multiple dwelling • Nightclub entertainment facility • Office • Outdoor sales • Outstation • Parking station • Place of worship • Port services 	<ul style="list-style-type: none"> • Renewable energy facility • Relocatable home park • Research and technology industry • Residential care facility • Resort complex • Retirement facility • Rooming accommodation • Rural industry • Rural workers accommodation • Sales office • Service Station • Shop • Shopping centre • Short-term accommodation • Showroom • Special industry • Substation • Theatre • Transport depot • Utility installation • Veterinary services • Warehouse • Wholesale nursery • Winery

Note – This table does not imply that all other uses not listed in the table are automatically consistent uses within the zone. Assessable development must still demonstrate consistency through the assessment process.

8.2.1 Acid sulfate soils overlay code

8.2.1.1 Application

- (1) This code applies to assessing a material change of use, reconfiguring a lot, operational work or building work within the Acid sulfate soils overlay, if:
 - (a) self-assessable or assessable development where the code is identified as being applicable in the Assessment criteria for the Overlay Codes contained in the Levels of Assessment Tables in section 5.6;
 - (b) impact assessable development.
- (2) Land in the Acid sulphate soils overlay is identified on the Acid sulfate soils overlay map in Schedule 2 and includes the following sub-categories:
 - (a) Land at or below the 5m AHD sub-category;
 - (b) Land above the 5m AHD and below the 20m AHD sub-category.
- (3) When using this code, reference should be made to Part 5.

8.2.1.2 Purpose

- (1) The purpose of the acid sulfate soils overlay code is to:
 - (a) implement the policy direction in the Strategic Framework, in particular:
 - (i) Theme 2: Environment and landscape values, Element 3.5.4 Coastal zones.
 - (ii) Theme 3: Natural resource management, Element 3.6.2 land and catchment management, Element 3.6.3 Primary production, forestry and fisheries.
- (2) enable an assessment of whether development is suitable on land within the Acid sulfate soils overlay sub-categories.
- (3) The purpose of the code will be achieved through the following overall outcomes:
 - (a) Development ensures that the release of any acid and associated metal contaminant is avoided by not disturbing acid sulfate soils when excavating, removing soil or extracting ground water or filling land;
 - (b) Development ensures that disturbed acid sulfate soils, or drainage waters, are treated and, if required, on-going management practices are adopted that minimise the potential for environmental harm from acid sulfate soil and protect corrodible assets from acid sulfate soil.



Criteria for assessment

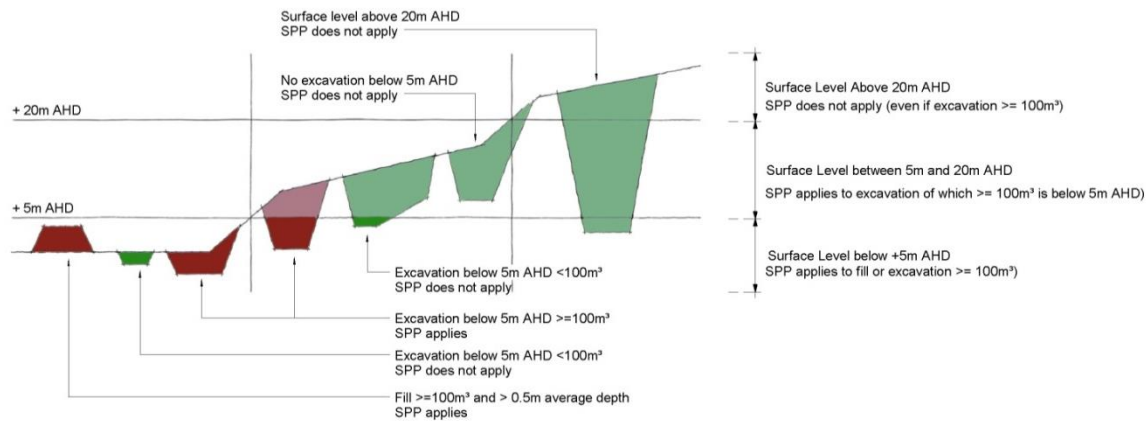
Table 8.2.1.3.a – Acid sulfate soils overlay code – assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For assessable development		
PO1 The extent and location of potential or actual acid sulfate soils is accurately identified.	AO1.1 No excavation or filling occurs on the site. or AO1.2 An acid sulfate soils investigation is undertaken. Note - Planning scheme policy SC 6.12– Potential and actual acid sulfate soils provides guidance on preparing an acid sulfate soils investigation.	Complies Only minimal excavation and filling is proposed to construct the building pads and onsite waste water treatment and disposal system. It is proposed to manage this issue during the construction stage.
PO2 Development avoids disturbing potential acid sulfate soils or actual acid sulfate soils, or is managed to avoid or minimise the release of acid and metal contaminants.	AO2.1 The disturbance of potential acid sulfate soils or actual acid sulfate soils is avoided by: (a) not excavating, or otherwise removing, soil or sediment identified as containing potential or actual acid sulfate soils; (b) not permanently or temporarily extracting groundwater that results in the aeration of previously saturated acid sulfate soils; (c) not undertaking filling that results in: (i) actual acid sulfate soils being moved below the water table; (ii) previously saturated acid sulfate soils being aerated. or	Complies Refer to comment above.



Performance outcomes	Acceptable outcomes	Applicant response
	<p>AO2.2</p> <p>The disturbance of potential acid sulfate soils or actual acid sulfate soils is undertaken in accordance with an acid sulfate soils management plan and avoids the release of metal contaminants by:</p> <ul style="list-style-type: none"> (a) neutralising existing acidity and preventing the generation of acid and metal contaminants; (b) preventing the release of surface or groundwater flows containing acid and metal contaminants into the environment; (c) preventing the in situ oxidisation of potential acid sulfate soils and actual acid sulfate soils through ground water level management; (d) appropriately treating acid sulfate soils before disposal occurs on or off site; (e) documenting strategies and reporting requirements in an acid sulfate soils environmental management plan. <p>Note - Planning scheme policy SC 6.12 – Acid sulfate soils provides guidance on preparing an acid sulfate soils management plan.</p>	
<p>PO3</p> <p>No environmental harm is caused as a result of exposure to potential acid sulfate soils or actual acid sulfate soils.</p>	<p>AO3</p> <p>No acceptable outcomes are prescribed.</p>	<p>Will comply</p>

Figure 8.2.1.3.a – Acid sulfate soils (SPP triggers)



8.2.4 Flood and storm tide hazard overlay code

8.2.4.1 Application

- (1) This code applies to assessing a material change of use, reconfiguring a lot, operational work or building work within the Flood and storm tide hazard overlay, if:
 - (a) self assessable or assessable development where the code is identified as being applicable in the Assessment criteria for the Overlay Codes contained in the Levels of Assessment Tables in section 5.6;
 - (b) impact assessable development.
- (2) Land in the Flood and storm tide hazard overlay is identified on the Flood and storm tide hazard overlay map in Schedule 2 and includes the:
 - (a) Storm tide – high hazard sub-category;
 - (b) Storm tide – medium hazard sub-category;
 - (c) Flood plain assessment sub-category;
 - (d) 100 ARI Mossman, Port Douglas and Daintree Township Flood Studies sub-category.
- (3) When using this code, reference should be made to Part 5.

Note - The Flood and storm tide hazards overlay maps contained in Schedule 2 identify areas (Flood and storm tide inundation areas) where flood and storm tide inundation modelling has been undertaken by the Council. Other areas not identified by the Flood and inundation hazards overlay maps contained in Schedule 2 may also be subject to the defined flood event or defined storm tide event.

8.2.4.2 Purpose

- (1) The purpose of the Flood and storm tide hazard overlay code is to:
 - (a) implement the policy direction in the Strategic Framework, in particular:
 - (i) Theme 1 Settlement pattern: Element 3.4.7 Mitigation of hazards;
 - (ii) Theme 6 Infrastructure and transport: Element 3.9.2 Energy.
 - (b) enable an assessment of whether development is suitable on land within the Flood and storm tide hazard sub-categories.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) development siting, layout and access responds to the risk of the natural hazard and minimises risk to personal safety;
 - (b) development achieves an acceptable or tolerable risk level, based on a fit for purpose risk assessment;
 - (c) the development is resilient to natural hazard events by ensuring siting and design accounts for the potential risks of natural hazards to property;

- (d) the development supports, and does not unduly burden disaster management response or recovery capacity and capabilities;
- (e) the development directly, indirectly and cumulatively avoids an unacceptable increase in severity of the natural hazards and does not significantly increase the potential for damage on site or to other properties;
- (f) the development avoids the release of hazardous materials as a result of a natural hazard event;
- (g) natural processes and the protective function of landforms and/or vegetation are maintained in natural hazard areas;
- (h) community infrastructure is located and designed to maintain the required level of functionality during and immediately after a hazard event.

Criteria for assessment

Table 8.2.4.3.a – Flood and storm tide hazards overlay code –assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For self-assessable and assessable development		
<p>PO1 Development is located and designed to: ensure the safety of all persons; minimise damage to the development and contents of buildings; provide suitable amenity; minimise disruption to residents, recovery time, and rebuilding or restoration costs after inundation events.</p> <p>Note – For assessable development within the flood plain assessment sub-category, a flood study by a suitably qualified professional is required to identify compliance with the intent of the acceptable outcome.</p>	<p>AO1.1 Development is sited on parts of the land that is not within the Flood and Storm tide hazards overlay maps contained in Schedule 2;</p> <p>or</p> <p>For dwelling houses,</p> <p>AO1.2 Development within the Flood and Storm Tide hazards overlay maps (excluding the Flood plain assessment sub-category) is designed to provide immunity to the Defined Inundation Event as outlined within Table 8.2.4.3.b plus a freeboard of 300mm.</p>	<p>Will comply The subject site slopes gently in the west from approximately 7m AHD to the east around 6.25m AHD. The proposed Cabins are located within the western higher area of the site.</p> <p>The site is not affected by the Storm Tide Inundation sub-category.</p> <p>The site is affected by the Flood Plain Assessment (Daintree River) sub-category, however is located on the outer limit. It is respectfully requested that Council confirm whether any Q100 flood levels exist for the site.</p> <p>The cabins will be constructed as slab on ground.</p>



Performance outcomes	Acceptable outcomes	Applicant response
	<p>AO1.3 New buildings are:</p> <ul style="list-style-type: none"> (a) not located within the overlay area; (b) located on the highest part of the site to minimise entrance of flood waters; (c) provided with clear and direct pedestrian and vehicle evacuation routes off the site. <p>AO1.4 In non urban areas, buildings and infrastructure are set back 50 metres from natural riparian corridors to maintain their natural function of reducing velocity of floodwaters.</p>	<p>Alternative solution The subject site is located within the overlay area, however the Cabins have been sited in the highest part of the site and clear vehicle access is available via Mijo Road and Mossman Daintree Road.</p> <p>Not applicable</p>
For assessable development		
<p>PO2 The development is compatible with the level of risk associated with the natural hazard.</p>	<p>AO2 The following uses are not located in land inundated by the Defined Flood Event (DFE) / Storm tide:</p> <ul style="list-style-type: none"> (a) Retirement facility; (b) Community care facility; (c) Child care centre. 	Not applicable
<p>PO3 Development siting and layout responds to flooding potential and maintains personal safety</p>	<p>For Material change of use</p> <p>AO3.1 New buildings are:</p> <ul style="list-style-type: none"> (a) not located within the overlay area; (b) located on the highest part of the site to minimise entrance of flood waters; (c) provided with clear and direct pedestrian and vehicle evacuation routes off the site. <p>or</p>	<p>Alternative solution The subject site is located within the overlay area, however the Cabins have been sited in the highest part of the site and clear vehicle access is available via Mijo Road and Mossman Daintree Road.</p>



Performance outcomes	Acceptable outcomes	Applicant response
	<p>A03.2 The development incorporates an area on site that is at least 300mm above the highest known flood inundation level with sufficient space to accommodate the likely population of the development safely for a relatively short time until flash flooding subsides or people can be evacuated.</p> <p>or</p> <p>A03.3 Where involving an extension to an existing dwelling house that is situated below DFE /Storm tide, the maximum size of the extension does not exceed 70m² gross floor area.</p> <p>Note – If part of the site is outside the Hazard Overlay area, this is the preferred location of all buildings.</p> <p>For Reconfiguring a lot</p> <p>A03.4 Additional lots: (a) are not located in the hazard overlay area; or (b) are demonstrated to be above the flood level identified for the site.</p> <p>Note - If part of the site is outside the Hazard Overlay area, this is the preferred location for all lots (excluding park or other open space and recreation lots).</p> <p>Note – Buildings subsequently developed on the lots will need to comply with the relevant building assessment provisions under the <i>Building Act 1975</i>.</p>	



Performance outcomes	Acceptable outcomes	Applicant response
	<p>A03.5 Road and/or pathway layout ensures residents are not physically isolated from adjacent flood free urban areas and provides a safe and clear evacuation route path:</p> <ul style="list-style-type: none"> (a) by locating entry points into the reconfiguration above the flood level and avoiding culs-de-sac or other non-permeable layouts; and (b) by direct and simple routes to main carriageways. <p>A03.6 Signage is provided on site (regardless of whether the land is in public or private ownership) indicating the position and path of all safe evacuation routes off the site and if the site contains, or is within 100m of a floodable waterway, hazard warning signage and depth indicators are also provided at key hazard points, such as at floodway crossings or entrances to low-lying reserves.</p> <p>or</p> <p>A03.7 There is no intensification of residential uses within the flood affected areas on land situated below the DFE/Storm tide.</p>	



Performance outcomes	Acceptable outcomes	Applicant response
	<p>For Material change of use (Residential uses)</p> <p>AO3.8</p> <p>The design and layout of buildings used for residential purposes minimise risk from flooding by providing:</p> <p>(a) parking and other low intensive, non-habitable uses at ground level;</p> <p>Note - The high-set 'Queenslander' style house is a resilient low-density housing solution in floodplain areas. Higher density residential development should ensure only non-habitable rooms (e.g. garages, laundries) are located on the ground floor.</p>	Complies
<p>PO4</p> <p>Development is resilient to flood events by ensuring design and built form account for the potential risks of flooding.</p>	<p>For Material change of use (Non-residential uses)</p> <p>AO4.2</p> <p>Non residential buildings and structures allow for the flow through of flood waters on the ground floor.</p> <p>Note - Businesses should ensure that they have the necessary contingency plans in place to account for the potential need to relocate property prior to a flood event (e.g. allow enough time to transfer stock to the upstairs level of a building or off site).</p> <p>Note - The relevant building assessment provisions under the <i>Building Act 1975</i> apply to all building work within the Hazard Area and need to take into account the flood potential within the area.</p> <p>AO4.3</p> <p>Materials are stored on-site:</p> <p>(a) are those that are readily able to be moved in a flood event;</p> <p>(b) where capable of creating a safety hazard by being shifted by flood waters, are contained in order to minimise movement in times of flood.</p> <p>Notes -</p> <p>(a) Businesses should ensure that they have the necessary contingency plans in place to account for the potential need to relocate property prior to a flood event (e.g. allow enough time to transfer stock to the upstairs level of a building or off site).</p>	Not applicable



Performance outcomes	Acceptable outcomes	Applicant response
	(b) Queensland Government Fact Sheet 'Repairing your House after a Flood' provides information about water resilient products and building techniques.	
<p>P05 Development directly, indirectly and cumulatively avoids any increase in water flow velocity or flood level and does not increase the potential flood damage either on site or on other properties.</p> <p>Note – Berms and mounds are considered to be an undesirable built form outcome and are not supported.</p>	<p>For Operational works</p> <p>A05.1 Works in urban areas associated with the proposed development do not involve:</p> <ul style="list-style-type: none"> (a) any physical alteration to a watercourse or floodway including vegetation clearing; or (b) a net increase in filling (including berms and mounds). <p>A05.2 Works (including buildings and earthworks) in non urban areas either:</p> <ul style="list-style-type: none"> (a) do not involve a net increase in filling greater than 50m³; or (b) do not result in any reductions of on-site flood storage capacity and contain within the subject site any changes to depth/duration/velocity of flood waters; <p>or</p> <ul style="list-style-type: none"> (c) do not change flood characteristics outside the subject site in ways that result in: <ul style="list-style-type: none"> (i) loss of flood storage; (ii) loss of/changes to flow paths; (iii) acceleration or retardation of flows or any reduction in flood warning times elsewhere on the flood plain. 	Not applicable



Performance outcomes	Acceptable outcomes	Applicant response
	<p>For Material change of use</p> <p>AO5.3 Where development is located in an area affected by DFE/Storm tide, a hydraulic and hydrology report, prepared by a suitably qualified professional, demonstrates that the development maintains the flood storage capacity on the subject site; and</p> <p>(a) does not increase the volume, velocity, concentration of flow path alignment of stormwater flow across sites upstream, downstream or in the general vicinity of the subject site; and</p> <p>(b) does not increase ponding on sites upstream, downstream or in the general vicinity of the subject site.</p> <p>For Material change of use and Reconfiguring a lot</p> <p>AO5.4 In non urban areas, buildings and infrastructure are set back 50 metres from natural riparian corridors to maintain their natural function of reducing velocity of floodwaters.</p> <p>Note – Fences and irrigation infrastructure (e.g. irrigation tape) in rural areas should be managed to minimise adverse the impacts that they may have on downstream properties in the event of a flood.</p>	<p>Not applicable The site is not identified as affected by a Defined Inundation Event.</p> <p>Not applicable</p>
<p>PO6 Development avoids the release of hazardous materials into floodwaters.</p>	<p>For Material change of use</p> <p>AO6.1 Materials manufactured or stored on site are not hazardous or noxious, or comprise materials that may cause a detrimental effect on the environment if discharged in a flood event;</p>	<p>Complies The proposed development is for a Staff Accommodation facility. Building materials will be typical domestic dwelling construction materials.</p>



Performance outcomes	Acceptable outcomes	Applicant response
	<p>or</p> <p>AO6.2 If a DFE level is adopted, structures used for the manufacture or storage of hazardous materials are: (a) located above the DFE level; or (b) designed to prevent the intrusion of floodwaters.</p> <p>AO6.3 Infrastructure is designed and constructed to resist hydrostatic and hydrodynamic forces as a result of inundation by the DFE.</p> <p>AO6.4 If a flood level is not adopted, hazardous materials and their manufacturing equipment are located on the highest part of the site to enhance flood immunity and designed to prevent the intrusion of floodwaters.</p> <p>Note – Refer to <i>Work Health and Safety Act 2011</i> and associated Regulation and Guidelines, the <i>Environmental Protection Act 1994</i> and the relevant building assessment provisions under the <i>Building Act 1975</i> for requirements related to the manufacture and storage of hazardous materials.</p>	
<p>P07 The development supports, and does not unduly burden, disaster management response or recovery capacity and capabilities.</p>	<p>A07 Development does not: (a) increase the number of people calculated to be at risk of flooding; (b) increase the number of people likely to need evacuation; (c) shorten flood warning times; and</p>	<p>Complies The proposed development does not unreasonably increase the number of people at risk. The population density of the development is similar to a Dwelling House, which could ordinarily be established on the site.</p>



Performance outcomes	Acceptable outcomes	Applicant response
	(d) impact on the ability of traffic to use evacuation routes, or unreasonably increase traffic volumes on evacuation routes.	
PO8 Development involving community infrastructure: (a) remains functional to serve community need during and immediately after a flood event; is designed, sited and operated to avoid adverse impacts on the community or environment due to impacts of flooding on infrastructure, facilities or access and egress routes; retains essential site access during a flood event; is able to remain functional even when other infrastructure or services may be compromised in a flood event.	AO8.1 The following uses are not located on land inundated during a DFE/Storm tide: (a) community residence; and (b) emergency services; and (c) residential care facility; and (d) utility installations involving water and sewerage treatment plants; and (e) storage of valuable records or items of historic or cultural significance (e.g. archives, museums, galleries, libraries). or AO8.2 The following uses are not located on land inundated during a 1% AEP flood event: (a) community and cultural facilities, including facilities where an education and care service under the Education and Care Services National Law (Queensland) is operated or child care service under the <i>Child Care Act 2002</i> is conducted, (b) community centres; (c) meeting halls; (d) galleries; (e) libraries.	Not applicable



Performance outcomes	Acceptable outcomes	Applicant response
	<p>The following uses are not located on land inundated during a 0.5% AEP flood event.</p> <ul style="list-style-type: none"> (a) emergency shelters; (b) police facilities; (c) sub stations; (d) water treatment plant <p>The following uses are not located on land inundated during a 0.2% AEP flood event:</p> <ul style="list-style-type: none"> (a) correctional facilities; (b) emergency services; (c) power stations; (d) major switch yards. <p>and/or</p> <p>AO8.3 The following uses have direct access to low hazard evacuation routes as defined in</p> <p>Table 8.2.4.3.c :</p> <ul style="list-style-type: none"> (a) community residence; and (b) emergency services; and (c) hospitals; and (d) residential care facility; and (e) sub stations; and (f) utility installations involving water and sewerage treatment plants. <p>AO8.4 Any components of infrastructure that are likely to fail to function or may result in contamination when inundated by flood, such as electrical switch gear and</p>	



Performance outcomes	Acceptable outcomes	Applicant response
	<p>motors, telecommunications connections, or water supply pipeline air valves are:</p> <p>(a) located above DFE/Storm tide or the highest known flood level for the site;</p> <p>(b) designed and constructed to exclude floodwater intrusion / infiltration.</p> <p>AO8.5 Infrastructure is designed and constructed to resist hydrostatic and hydrodynamic forces as a result of inundation by a flood.</p>	

Table 8.2.4.3.b - Minimum immunity (floor levels) for development

Minimum immunity to be achieved (floor levels)	Uses and elements of activities acceptable in the event
20% AEP level	<ul style="list-style-type: none"> • Parks and open space.
5% AEP level	<ul style="list-style-type: none"> • Car parking facilities (including car parking associated with use of land).
1% AEP level	<ul style="list-style-type: none"> • All development (where not otherwise requiring an alternative level of minimum immunity).
0.5% AEP level	<ul style="list-style-type: none"> • Emergency services (if for a police station); • Industry activities (if including components which store, treat or use hazardous materials); • Substation; • Utility installation.
0.2% AEP level	<ul style="list-style-type: none"> • Emergency services; • Hospital; • Major electricity infrastructure; • Special industry.

Table 8.2.4.3.c - Degree of flood

Criteria	Low	Medium	High	Extreme
Wading ability	If necessary children and the elderly could wade. (Generally, safe wading velocity depth product is less than 0.25)	Fit adults can wade. (Generally, safe wading velocity depth product is less than 0.4)	Fit adults would have difficulty wading. (Generally, safe wading velocity depth product is less than 0.6)	Wading is not an option.
Evacuation distances	< 200 metres	200-400 metres	400-600 metres	600 metres
Maximum flood depths	< 0.3 metre	< 0.6 metre	< 1.2 metres	1.2 metres
Maximum flood velocity	< 0.4 metres per second	< 0.8 metres per second	< 1.5 metres per second	1.5 metres per second
Typical means of egress	Sedan	Sedan early, but 4WD or trucks later	4WD or trucks only in early stages, boats or helicopters	Large trucks, boats or helicopters
Timing Note: This category cannot be implemented until evacuation times have been established in the Counter Disaster Plan (Flooding)	Ample flood forecasting. Warning and evacuation routes remain passable for twice as long as evacuation time.	Evacuation routes remain trafficable for 1.5 times as long as the evacuation.	Evacuation routes remain trafficable for only up to minimum evacuation time.	There is insufficient evacuation time.

Note: The evacuation times for various facilities or areas would (but not necessarily) be included in the Counter Disaster Plan.
Generally safe wading conditions assume even walking surfaces and no obstructions, steps, soft underfoot etc.

8.2.6 Landscape values overlay code

8.2.6.1 Application

- (1) This code applies to assessing a material change of use, reconfiguring a lot, operational work or building work within the Landscape values overlay, if:
 - (a) self-assessable or assessable development where the code is identified as being applicable in the Assessment criteria for the Overlay Codes contained in the Levels of Assessment Tables in section 5.6;
 - (b) impact assessable development.
- (2) Land in the Landscape values overlay is identified on the Landscape values overlay map in Schedule 2 and includes in following sub-categories:
 - (a) High landscape value sub-category;
 - (b) Medium landscape value sub-category;
 - (c) Scenic route buffer / view corridor area sub-category;
 - (d) Coastal scenery area sub-category.
- (3) When using this code, reference should be made to Part 5.

8.2.6.2 Purpose

- (1) The purpose of the Landscape values overlay code is to:
 - (a) implement the policy direction of the Strategic Framework, in particular:
 - (i) Theme 2: Environment and landscape values Element 3.5.5 Scenic amenity;
 - (ii) Theme 3: Natural resource management Element 3.6.4 – Resource extraction.
 - (b) enable an assessment of whether development is suitable on land within the Landscape values overlay sub-categories.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) areas of High landscape value are protected, retained and enhanced;
 - (b) areas of Medium landscape value are managed to integrate and limit the visual impact of development;
 - (c) the landscape values of the Coastal scenery area are managed to integrate and limit the visual impact of development;
 - (d) development maintains and enhances the significant landscape elements and features which contribute to the distinctive character and identity of Douglas Shire;
 - (e) ridges and vegetated hillslopes are not developed in a way that adversely impacts on landscape values;

- (f) watercourses, forested mountains and coastal landscape character types remain predominantly natural in appearance in order to maintain the region's diverse character and distinctive tropical image, in particular:
 - (i) areas in the coastal landscape character type which are predominantly natural and undeveloped in appearance retain this natural landscape character;
 - (ii) watercourses which are predominantly natural and undeveloped in appearance retain this natural landscape character;
 - (iii) the rural character of cane fields and lowlands landscape character types which are predominantly rural or natural in appearance are maintained;
 - (iv) landscape values are maintained when viewed from lookouts, scenic routes, gateways and public places.
- (g) views towards High landscape value areas and the Coral Sea are not diminished;
- (h) development is consistent with the prevailing landscape character of its setting, and is neither visually dominant nor visually intrusive;
- (i) advertising devices do not detract from the landscape values, character types or amenity of an area.

Criteria for assessment

Table 8.2.6.3.z – Landscape values overlay code – assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For assessable development		
Development in a High landscape value area		
PO1 Development within High landscape value areas identified on the Landscape values overlay maps contained in Schedule 2: <ul style="list-style-type: none"> (a) avoids detrimental impacts on the landscape values of forested skylines, visible hillslopes, ridgelines, the coastal foreshore or the shoreline of other water bodies through the loss of vegetation; (b) is effectively screened from view from a road, lookout or other public place by an existing natural landform or native vegetation, or will be effectively screened by native vegetation within 3 years of construction; 	AO1.1 Buildings and structures are not more than 8.5 metres and two storeys in height. Note - Height is inclusive of roof height. AO1.2 Buildings and structures are setback not less than 50 metres from ridgelines or peaks. AO1.3 Development is screened from view from roads or other public places by an existing natural landform or an existing native vegetation buffer.	Not applicable The site is located within a Scenic Route Buffer Area only.



Performance outcomes	Acceptable outcomes	Applicant response
<p>(c) retains existing vegetation and incorporates new landscaping to enhance existing vegetation and visually soften built form elements;</p> <p>(d) incorporates development of a scale, design, height, position on site, construction materials and external finishes that are compatible with the landscape values of the locality;</p> <p>(e) avoids detrimental impacts on landscape values and excessive changes to the natural landform as a result of the location, position on site, scale, design, extent and alignment of earthworks, roads, driveways, retaining walls and other on-ground or in-ground infrastructure;</p> <p>(f) avoids detrimental impacts on landscape values and views as a result of the location, position on site, scale, design and alignment of telecommunications facilities, electricity towers, poles and lines and other tall infrastructure;</p> <p>(g) extractive industry operations are avoided.</p> <p>Note - A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in order to satisfy performance outcomes.</p>	<p>AO1.4 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided: (a) development follows the natural; contours of the site; buildings are split level or suspended floor construction, or a combination of the two; lightweight materials are used to areas with suspended floors.</p> <p>Note - Examples of suitable lightweight materials include timber or fibre cement boards or sheeting for walls and factory treated metal sheeting for walls and roofs.</p> <p>AO1.5 The external features, walls and roofs of buildings and structures have a subdued and non-reflective palette.</p> <p>Note - Examples of suitable colours include shades of green, olive green, blue green, grey green, green blue, indigo, brown, blue grey, and green yellow.</p> <p>AO1.6 No clearing of native vegetation occurs on land with a slope greater than 1 in 6 (16.5%).</p> <p>AO1.7 Where for accommodation activities or reconfiguration of a lot in a High landscape value area, development demonstrates that the height, design, scale, positioning on-site, proposed construction materials and external finishes are compatible with the landscape values.</p> <p>Note - A visual impact assessment undertaken in accordance with Planning scheme policy SC6.6 – Landscape values may be required.</p>	



Performance outcomes	Acceptable outcomes	Applicant response
	AO1.8 Advertising devices do not occur.	
Development within the Medium landscape value area		
P02 Development within Medium landscape value areas identified on the Landscape values overlay maps contained in Schedule 2: <ul style="list-style-type: none"> (a) avoids detrimental impacts on the landscape values of forested skylines, visible hillslopes, ridgelines, the coastal foreshore or the shoreline of other water bodies through the loss of vegetation; (b) is effectively screened from view from a road, lookout or other public place by an existing natural landform or native vegetation, or will be effectively screened by native vegetation within 5 years of construction; (c) retains existing vegetation and incorporates new landscaping to enhance existing vegetation and visually soften built form elements; (d) incorporates development of a scale, design, height, position on site, construction materials and external finishes that are compatible with the landscape values of the locality; (e) avoids detrimental impacts on landscape values and excessive changes to the natural landform as a result of the location, position on site, scale, design and alignment of earthworks, roads, driveways, retaining walls and other on-ground or in-ground infrastructure; 	AO2.1 Buildings and structures are not more than 8.5 metres and two storeys in height. Note - Height is inclusive of the roof height. AO2.2 Development is screened from view from roads or other public places by an existing natural landform or an existing native vegetation buffer. AO2.3 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided: <ul style="list-style-type: none"> (a) development follows the natural; contours of the site; (b) buildings are split level or suspended floor construction, or a combination of the two; (c) lightweight materials are used to areas with suspended floors. Note - Examples of suitable lightweight materials include timber or fibre cement boards or sheeting for walls and factory treated metal sheeting for walls and roofs. AO2.4 The external features, walls and roofs of buildings and structures have a subdued and non-reflective palette. Note - Examples of suitable colours include shades of green, olive green, blue green, grey green, green blue, indigo, brown, blue grey, and green yellow.	Not applicable The site is located within a Scenic Route Buffer Area only.



Performance outcomes	Acceptable outcomes	Applicant response
<p>(f) avoids detrimental impacts on landscape values and views as a result of the location, position on site, scale, design and alignment of telecommunications facilities, electricity towers, poles and lines and other tall infrastructure;</p> <p>(g) extractive industry operations are avoided, or where they cannot be avoided, are screened from view.</p> <p>Note - A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in order to satisfy performance outcomes.</p>	<p>AO2.5 No clearing of native vegetation occurs on land with a slope greater than 1 in 6 (16.6%).</p> <p>AO2.6 Advertising devices do not occur.</p>	
Development within a Scenic route buffer / view corridor area		
<p>P03 Development within a Scenic route buffer / view corridor area as identified on the Landscape values overlay maps contained in Schedule 2:</p> <p>(a) retains visual access to views of the surrounding landscape, the sea and other water bodies;</p> <p>(b) retains existing vegetation and incorporates landscaping to visually screen and soften built form elements whilst not impeding distant views or view corridors;</p> <p>(c) incorporates building materials and external finishes that are compatible with the visual amenity and the landscape character;</p> <p>(d) minimises visual impacts on the setting and views in terms of:</p> <p>(e) the scale, height and setback of buildings;</p> <p>(f) the extent of earthworks and impacts on the landform including the location and configuration of access roads and driveways;</p>	<p>AO3.1 Where within a Scenic route buffer / view corridor area, the height of buildings and structures is not more than identified within the acceptable outcomes of the applicable zone code.</p> <p>AO3.2 No clearing of native vegetation is undertaken within a Scenic route buffer area.</p> <p>AO3.3 Where within a Scenic route buffer / view corridor area development is set back and screened from view from a scenic route by existing native vegetation with a width of at least 10 metres and landscaped in accordance with the requirements of the landscaping code.</p> <p>AO3.4 Development does not result in the replacement of, or creation of new, additional, or enlarged advertising devices.</p>	<p>Complies The proposed structures are single storey only.</p> <p>Not applicable There is no native vegetation onsite.</p> <p>Will comply The proposed buildings are setback 40m from the Mossman Daintree Road. Landscaping will be incorporated within the development.</p> <p>Not applicable</p>



Performance outcomes	Acceptable outcomes	Applicant response
<p>(g) the scale, extent and visual prominence of advertising devices.</p> <p>Note - A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in order to satisfy performance outcomes.</p>		
Development within the Coastal scenery area		
<p>PO4 The landscape values of the Coastal scenery zone as identified on the Landscape values overlay maps contained in Schedule 2 are managed to integrated and limit the visual impact of development.</p> <p>Note - A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in order to satisfy performance outcomes.</p>	<p>AO4.1 The dominance of the natural character of the coast is maintained or enhanced when viewed from the foreshore.</p> <p>AO4.2 Where located adjacent to the foreshore buildings and structures are setback:</p> <p>(a) Where no adjoining development, a minimum of 50 metres from the coastal high water mark and the setback area is landscaped with a native vegetation buffer that has a minimum width of 25 metres; or</p> <p>(b) Where there is adjoining development, setbacks will be consistent with that of adjoining buildings and structures, but not less than 10 metres from the coastal high water mark. The setback area is landscaped in accordance with the requirements of the Landscaping code.</p> <p>AO4.3 Where separated from the foreshore by land contained within public ownership (e.g. unallocated State land, esplanade or other public open space), buildings and structures area setback:</p>	<p>Not applicable.</p>



Performance outcomes	Acceptable outcomes	Applicant response
	<p>(a) where no adjoining development, a minimum of 6 metres from the coastward property boundary. The setback area is landscaped in accordance with the requirements of the Landscaping code; or</p> <p>(b) where there is adjoining development, setbacks will be consistent with that of adjoining buildings and structures. The setback area is landscaped in accordance with the requirements of the Landscaping code.</p>	
<p>P05 Development is to maximise opportunities to maintain and/or enhance natural landscape values through the maintenance and restoration of vegetated buffers between development and coastal waters, where practical.</p> <p>Note – A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in satisfaction of a performance outcome.</p>	<p>A05 No clearing of native vegetation is undertaken within a Coastal scenery area zone, except for exempt vegetation damage undertaken in accordance with the Vegetation management code</p>	<p>Not applicable.</p>

8.2.10 Transport network overlay code

8.2.10.1 Application

- (1) This code applies to assessing a material change of use, reconfiguring a lot, operational work or building work within the Transport network overlay; if:
 - (a) self-assessable or assessable development where the code is identified as being applicable in the Assessment criteria for the Overlay Codes contained in the Levels of Assessment Tables in section 5.6;
 - (b) impact assessable development.
- (2) Land within the Transport network overlay is identified on the Transport network (Road Hierarchy) overlay map and the Transport network (Pedestrian and Cycle) overlay map in Schedule 2 and includes the following sub-categories:
 - (a) Transport network (Road Hierarchy) overlay sub-categories:
 - (i) State controlled road sub-category;
 - (ii) Sub-arterial road sub-category;
 - (iii) Collector road sub-category;
 - (iv) Access road sub-category;
 - (v) Industrial road sub-category;
 - (vi) Major rural road sub-category;
 - (vii) Minor rural road sub-category;
 - (viii) Unformed road sub-category;
 - (ix) Major transport corridor buffer area sub-category.
 - (b) Transport network (Pedestrian and Cycle) overlay sub-categories:
 - (i) Principal route;
 - (ii) Future principal route;
 - (iii) District route;
 - (iv) Neighbourhood route;
 - (v) Strategic investigation route.

8.2.10.2 Purpose

- (1) The purpose of the Transport network overlay code is to:
 - (a) implement the policy direction of the Strategic Framework, in particular:
 - (i) Theme 1: Settlement pattern Element 3.4.2 Urban settlement, Element 3.4.3 Activity centres;
 - (ii) Theme 6: Infrastructure and transport Element 3.9.4 Transport;
 - (b) enable an assessment of whether development is suitable on land within the Transport network overlay.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) development provides for transport infrastructure (including active transport infrastructure);
 - (b) development contributes to a safe and efficient transport network;
 - (c) development supports the existing and future role and function of the transport network;
 - (d) development does not compromise the safety and efficiency of major transport infrastructure and facilities.

Criteria for assessment**Table 8.2.10.3 a – Transport network overlay code – assessable development**

Performance outcomes	Acceptable outcomes	Applicant response
For assessable development		
PO1 Development supports the road hierarchy for the region. Note -A Traffic impact assessment report prepared in accordance with Planning scheme policy SC6.10 - Parking and access is one way to demonstrate achievement of the Performance Outcomes.	AO1.1 Development is compatible with the intended role and function of the transport network as identified on the Transport network overlay maps contained in Schedule 2. AO1.2 Development does not compromise the safety and efficiency of the transport network.	Complies The proposed development does not compromise role and function of the transport network. Complies The proposed development has been designed to provide access of an existing sealed, lower order road.



Performance outcomes	Acceptable outcomes	Applicant response
	AO1.3 Development is designed to provide access via the lowest order road, where legal and practicable access can be provided to that road.	Complies As discussed above.
PO2 Transport infrastructure is provided in an integrated and timely manner. Note - A Traffic impact assessment report prepared in accordance with Planning scheme policy SC6.10 - Parking and access is one way to demonstrate achievement of the Performance Outcomes.	AO2 Development provides infrastructure (including improvements to existing infrastructure) in accordance with: (a) the Transport network overlay maps contained in Schedule 2; (b) any relevant Local Plan. Note – The Translink Public Transport Infrastructure Manual provides guidance on the design of public transport facilities.	Not applicable No new infrastructure upgrades are proposed.
PO3 Development involving sensitive land uses within a major transport corridor buffer area is located, designed and maintained to avoid or mitigate adverse impacts on amenity for the sensitive land use.	AO3 No acceptable outcomes are prescribed. Note – Part 4.4 of the Queensland Development Code provides requirements for residential building design in a designated transport noise corridor.	Will comply The proposed buildings will be appropriately designed to ensure compliance.
PO4 Development does not compromise the intended role and function or safety and efficiency of major transport corridors. Note - A Traffic impact assessment report prepared in accordance with Planning scheme policy SC6.10 - Parking and access is one way to demonstrate achievement of the Performance Outcomes.	AO4.1 Development is compatible with the role and function (including the future role and function) of major transport corridors. AO4.2 Direct access is not provided to a major transport corridor where legal and practical access from another road is available.	Complies The proposed development does not compromise role and function of major transport network. Complies The proposed development has been designed to provide access of an existing sealed, lower order road.



Performance outcomes	Acceptable outcomes	Applicant response
	<p>AO4.3 Intersection and access points associated with major transport corridors are located in accordance with: (a) the Transport network overlay maps contained in Schedule 2; and (b) any relevant Local Plan.</p> <p>AO4.4 The layout of development and the design of the associated access is compatible with existing and future boundaries of the major transport corridor or major transport facility.</p>	<p>Complies The development will utilise the existing Mijo Road and Mossman Daintree Road to gain access to the site. No</p>
<p>P05 Development retains and enhances existing vegetation between a development and a major transport corridor, so as to provide screening to potential noise, dust, odour and visual impacts emanating from the corridor.</p>	<p>AO5 No acceptable outcomes are prescribed.</p>	<p>Not applicable The subject site does not contain any vegetation worthy of providing a screen to the transport corridor.</p>
Pedestrian and cycle network		
<p>P06 Lot reconfiguration assists in the implementation of the pedestrian and cycle movement network to achieve safe, attractive and efficient pedestrian and cycle networks</p>	<p>AO6.1 Where a lot is subject to, or adjacent to an element of the pedestrian and cycle Movement network (identified on the Transport network overlay maps contained in Schedule 2) the specific location of this element of the pedestrian and cycle network is incorporated in the design of the lot layout.</p> <p>AO6.2 The element of the pedestrian and cycle network is constructed in accordance with the Design Guidelines set out in Sections D4 and D5 of the Planning scheme policy SC6.5 – FNQROC Regional Development Manual.</p>	<p>Not applicable</p> <p>Not applicable</p>

9.4 Other development codes

9.4.1 Access, parking and servicing code

9.4.1.1 Application

- (1) This code applies to assessing:
 - (a) operational work which requires a compliance assessment as a condition of a development permit; or
 - (b) a material change of use or reconfiguring a lot if:
 - (i) self-assessable or assessable development where this code is identified in the assessment criteria column of the table of assessment;
 - (ii) impact assessable development, to the extent relevant.
- (2) When using this code, reference should be made to Part 5.

9.4.1.2 Purpose

- (1) The purpose of the Access, parking and servicing code is to assess the suitability of access, parking and associated servicing aspects of a development.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) sufficient vehicle parking is provided on-site to cater for all types of vehicular traffic accessing and parking on-site, including staff, guests, patrons, residents and short term delivery vehicles;
 - (b) sufficient bicycle parking and end of trip facilities are provided on-site to cater for customer and service staff;
 - (c) on-site parking is provided so as to be accessible and convenient, particularly for any short term uses;
 - (d) development provides walking and cycle routes through the site which link the development to the external walking and cycling network;
 - (e) the provision of on-site parking, loading / unloading facilities and the provision of access to the site do not impact on the efficient function of street network or on the area in which the development is located;
 - (f) new vehicular access points are safely located and are not in conflict with the preferred ultimate streetscape character and local character and do not unduly disrupt any current or future on-street parking arrangements.

9.4.1.3 Criteria for assessment

Table 9.4.1.3.a – Access, parking and servicing code – assessable development

Performance outcomes	Acceptable outcomes	Applicant Response
For self-assessable and assessable development		
PO1 Sufficient on-site car parking is provided to cater for the amount and type of vehicle traffic expected to be generated by the use or uses of the site, having particular regard to: <ul style="list-style-type: none"> (a) the desired character of the area; (b) the nature of the particular use and its specific characteristics and scale; (c) the number of employees and the likely number of visitors to the site; (d) the level of local accessibility; (e) the nature and frequency of any public transport serving the area; (f) whether or not the use involves the retention of an existing building and the previous requirements for car parking for the building (g) whether or not the use involves a heritage building or place of local significance; (h) whether or not the proposed use involves the retention of significant vegetation. 	AO1.1 The minimum number of on-site vehicle parking spaces is not less than the number prescribed in Table 9.4.1.3.b for that particular use or uses. Note - Where the number of spaces calculated from the table is not a whole number, the number of spaces provided is the next highest whole number. AO1.2 Car parking spaces are freely available for the parking of vehicles at all times and are not used for external storage purposes, the display of products or rented/sub-leased. AO1.3 Parking for motorcycles is substituted for ordinary vehicle parking to a maximum level of 2% of total ordinary vehicle parking. AO1.4 For parking areas exceeding 50 spaces parking, is provided for recreational vehicles as a substitute for ordinary vehicle parking to a maximum of 5% of total ordinary vehicle parking rate.	Alternative solution The proposed development is an undefined use and therefore is required to provide onsite parking commensurate to expected demand. It is proposed to provide four covered parking space. Complies Parking spaces will be freely available to residents. Alternative solution No motorcycle parking is proposed. Not applicable
PO2 Vehicle parking areas are designed and constructed in accordance with relevant standards.	AO2 Vehicle parking areas are designed and constructed in accordance with Australian Standard: <ul style="list-style-type: none"> (a) AS2890.1; (b) AS2890.3; (c) AS2890.6. 	Will comply

[illegible]



	<p>(d) constructed such that the transitional change in grade from the road to the lot is fully contained within the lot and not within the road reserve;</p> <p>(e) designed to include all necessary associated drainage that intercepts and directs storm water runoff to the storm water drainage system.</p> <p>AO3.4 Surface construction materials are consistent with the current or intended future streetscape or character of the area and contrast with the surface construction materials of any adjacent footpath.</p>	<p>Will comply The driveway and parking will be concrete or bitumen sealed.</p>
<p>PO4 Sufficient on-site wheel chair accessible car parking spaces are provided and are identified and reserved for such purposes.</p>	<p>AO4 The number of on-site wheel chair accessible car parking spaces complies with the rates specified in AS2890 Parking Facilities.</p>	<p>Can comply</p>
<p>PO5 Access for people with disabilities is provided to the building from the parking area and from the street.</p>	<p>AO5 Access for people with disabilities is provided in accordance with the relevant Australian Standard.</p>	<p>Can comply</p>
<p>PO6 Sufficient on-site bicycle parking is provided to cater for the anticipated demand generated by the development.</p>	<p>AO6 The number of on-site bicycle parking spaces complies with the rates specified in Table 9.4.1.3.b.</p>	<p>Not applicable</p>



<p>P07 Development provides secure and convenient bicycle parking which:</p> <ul style="list-style-type: none"> (a) for visitors is obvious and located close to the building's main entrance; (b) for employees is conveniently located to provide secure and convenient access between the bicycle storage area, end-of-trip facilities and the main area of the building; (c) is easily and safely accessible from outside the site. 	<p>AO7.1 Development provides bicycle parking spaces for employees which are co-located with end-of-trip facilities (shower cubicles and lockers);</p> <p>AO7.2 Development ensures that the location of visitor bicycle parking is discernible either by direct view or using signs from the street.</p> <p>AO7.3 Development provides visitor bicycle parking which does not impede pedestrian movement.</p>	<p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p>
<p>P08 Development provides walking and cycle routes through the site which:</p> <ul style="list-style-type: none"> (a) link to the external network and pedestrian and cyclist destinations such as schools, shopping centres, open space, public transport stations, shops and local activity centres along the safest, most direct and convenient routes; (b) encourage walking and cycling; (c) ensure pedestrian and cyclist safety. 	<p>AO8 Development provides walking and cycle routes which are constructed on the carriageway or through the site to:</p> <ul style="list-style-type: none"> (a) create a walking or cycle route along the full frontage of the site; (b) connect to public transport and existing cycle and walking routes at the frontage or boundary of the site. 	<p>Not applicable</p>
<p>P09 Access, internal circulation and on-site parking for service vehicles are designed and constructed:</p> <ul style="list-style-type: none"> (a) in accordance with relevant standards; 	<p>AO9.1 Access driveways, vehicle manoeuvring and on-site parking for service vehicles are designed and constructed in accordance with AS2890.1 and</p>	<p>Can comply</p>

<p>(b) so that they do not interfere with the amenity of the surrounding area;</p> <p>(c) so that they allow for the safe and convenient movement of pedestrians, cyclists and other vehicles.</p>	<p>AS2890.2.</p> <p>AO9.2 Service and loading areas are contained fully within the site.</p> <p>AO9.3 The movement of service vehicles and service operations are designed so they:</p> <ul style="list-style-type: none"> (a) do not impede access to parking spaces; (b) do not impede vehicle or pedestrian traffic movement. 	<p>Not applicable The development does not require service and loading areas.</p>
<p>PO10 Sufficient queuing and set down areas are provided to accommodate the demand generated by the development.</p>	<p>AO10.1 Development provides adequate area on-site for vehicle queuing to accommodate the demand generated by the development where drive through facilities or drop-off/pick-up services are proposed as part of the use, including, but not limited to, the following land uses:</p> <ul style="list-style-type: none"> (a) car wash; (b) child care centre; (c) educational establishment where for a school; (d) food and drink outlet, where including a drive-through facility; (e) hardware and trade supplies, where including a drive-through facility; (f) hotel, where including a drive-through facility; (g) service station. <p>AO10.2 Queuing and set-down areas are designed and constructed in accordance with AS2890.1.</p>	<p>Not applicable</p>

Table 9.4.1.3.b – Access, parking and servicing requirements

Note – Where the number of spaces is not a whole number, the number of spaces to be provided is the next highest whole number.

Note – Where the proposed development involves one or more land use, the minimum number of spaces for the proposed development will be calculated using the minimum number of spaces specified for each land use component.

9.4.3 Environmental performance code

9.4.3.1 Application

- (1) This code applies to assessing:
 - (a) building work for outdoor lighting;
 - (b) a material change of use or reconfiguring a lot if:
 - (i) assessable development where the code is identified in the assessment criteria column of a table of assessment; or
 - (ii) impact assessable development, to the extent relevant.

Note – Where for the purpose of lighting a tennis court in a Residential zone, a compliance statement prepared by a suitably qualified person must be submitted to Council with the development application for building work.

- (2) When using this code, reference should be made to Part 5.

9.4.3.2 Purpose

- (1) The purpose of the Environmental performance code is to ensure development is designed and operated to avoid or mitigate impacts on sensitive receiving environments.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) activities that have potential to cause an adverse impact on amenity of adjacent and surrounding land, or environmental harm is avoided through location, design and operation of the development;
 - (b) sensitive land uses are protected from amenity related impacts of lighting, odour, airborne particles and noise, through design and operation of the development;
 - (c) stormwater flowing over, captured or discharged from development sites is of a quality adequate to enter receiving waters and downstream environments;
 - (d) development contributes to the removal and ongoing management of weed species.



9.4.3.3 Criteria for assessment

Table 9.4.3.3.a – Environmental performance code – assessable development

Performance outcomes	Acceptable outcomes	Applicant Response
Lighting		
PO1 Lighting incorporated within development does not cause an adverse impact on the amenity of adjacent uses and nearby sensitive land uses.	AO1.1 Technical parameters, design, installation, operation and maintenance of outdoor lighting comply with the requirements of Australian standard AS4282-1997 Control of the obtrusive effects of outdoor lighting. AO1.2 Development that involves flood lighting is restricted to a type that gives no upward component of light where mounted horizontally. AO1.3 Access, car parking and manoeuvring areas are designed to shield nearby residential premises from impacts of vehicle headlights.	Not applicable No external lighting is proposed at this stage other than domestic lighting.
Noise		
PO2 Potential noise generated from the development is avoided through design, location and operation of the activity. Note – Planning Scheme Policy SC6.4 – Environmental	AO2.1 Development does not involve activities that would cause noise related environmental harm or nuisance; or	Complies The proposed development is for an accommodation facility. The proposed development is not of a nature that will cause noise related environmental harm.



<p>management plans provides guidance on preparing a report to demonstrate compliance with the purpose and outcomes of the code.</p>	<p>AO2.2 Development ensures noise does not emanate from the site through the use of materials, structures and architectural features to not cause an adverse noise impact on adjacent uses.</p> <p>AO2.3 The design and layout of development ensures car parking areas avoid noise impacting directly on adjacent sensitive land uses through one or more of the following:</p> <ul style="list-style-type: none"> (a) car parking is located away from adjacent sensitive land uses; (b) car parking is enclosed within a building; (c) a noise ameliorating fence or structure is established adjacent to car parking areas where the fence or structure will not have a visual amenity impact on the adjoining premises; (d) buffered with dense landscaping. <p>Editor's note - The <i>Environmental Protection (Noise) Policy 2008</i>, Schedule 1 provides guidance on acoustic quality objectives to ensure environmental harm (including nuisance) is avoided.</p>	<p>Not applicable The proposed development is for Staff Accommodation only and is not likely to be a generator of noise.</p> <p>Complies. Vehicle access and parking is not likely to cause a nuisance for adjoining uses.</p>
Airborne particles and other emissions		
<p>PO3 Potential airborne particles and emissions generated from the development are avoided through design, location and operation of the activity.</p> <p>Note – Planning Scheme Policy SC6.4 – Environmental management plans provides guidance on preparing a report to demonstrate compliance with the purpose and outcomes of the code.</p>	<p>AO3.1 Development does not involve activities that will result in airborne particles or emissions being generated;</p> <p>or</p> <p>AO3.2 The design, layout and operation of the development activity ensures that no airborne particles or emissions cause environmental harm or nuisance.</p>	<p>Not applicable The proposed use does not involve activities that result in airborne emissions.</p>



	<p>Note - examples of activities which generally cause airborne particles include spray painting, abrasive blasting, manufacturing activities and car wash facilities.</p> <p>Examples of emissions include exhaust ventilation from basement or enclosed parking structures, air conditioning/refrigeration ventilation and exhaustion.</p> <p>The <i>Environmental Protection (Air) Policy 2008</i>, Schedule 1 provides guidance on air quality objectives to ensure environmental harm (including nuisance) is avoided.</p>	
Odours		
<p>PO4 Potential odour causing activities associated with the development are avoided through design, location and operation of the activity.</p> <p>Note – Planning Scheme Policy SC6.4 – Environmental management plans provides guidance on preparing a report to demonstrate compliance with the purpose and outcomes of the code.</p>	<p>AO4.1 The development does not involve activities that create odorous emissions;</p> <p>or</p> <p>AO4.2 The use does not result in odour that causes environmental harm or nuisance with respect to surrounding land uses.</p>	<p>Not applicable The proposed use does not involve activities that result in odour emissions.</p>
Waste and recyclable material storage		

**PO5**

Waste and recyclable material storage facilities are located and maintained to not cause adverse impacts on adjacent uses.

Note – Planning Scheme Policy SC6.4 – Environmental management plans provides guidance on preparing a report to demonstrate compliance with the purpose and outcomes of the code.

AO5.1

The use ensures that all putrescent waste is stored in a manner that prevents odour nuisance and is disposed of at regular intervals.

AO5.2

Waste and recyclable material storage facilities are located, designed and maintained to not cause an adverse impact on users of the premises and adjacent uses through consideration of:

- (a) the location of the waste and recyclable material storage areas in relation to the noise and odour generated;
- (b) the number of receptacles provided in relation to the collection, maintenance and use of the receptacles;
- (c) the durability of the receptacles, sheltering and potential impacts of local climatic conditions;
- (d) the ability to mitigate spillage, seepage or leakage from receptacles into adjacent areas and sensitive receiving waters and environments.

Editor's note - the *Environmental Protection (Waste Management) Policy 2008* provides guidance on the design of waste containers (receptacles) to ensure environmental harm (including nuisance) is avoided.

Complies

Waste will be stored appropriately onsite so not to impact adjoining land uses.

Sensitive land use activities



<p>PO6 Sensitive land use activities are not established in areas which will receive potentially incompatible impacts on amenity from surrounding, existing development activities and land uses.</p>	<p>AO6.1 Sensitive land use activities are not established in areas that will be adversely impacted upon by existing land uses, activities and potential development possible in an area;</p> <p>or</p> <p>AO6.2 Sensitive land activities are located in areas where potential adverse amenity impacts mitigate all potential impacts through layout, design, operation and maintenance.</p>	<p>Not applicable.</p>
<p>Stormwater quality</p>		
<p>PO7 The quality of stormwater flowing over, through or being discharged from development activities into watercourses and drainage lines is of adequate quality for downstream environments, with respect to:</p> <ul style="list-style-type: none"> (a) the amount and type of pollutants borne from the activity; (c) maintaining natural stream flows; (d) the amount and type of site disturbance; (e) site management and control measures. 	<p>AO7.1 Development activities are designed to ensure stormwater over roofed and hard stand areas is directed to a lawful point of discharge.</p> <p>AO7.2 Development ensures movement of stormwater over the site is not impeded or directed through potentially polluting activities.</p> <p>AO7.3 Soil and water control measures are incorporated into the activity's design and operation to control sediment and erosion potentially entering watercourses, drainage lines and downstream receiving waters.</p> <p>Note - Planning scheme policy - FNQROC Regional Development Manual provides guidance on soil and water control measures to meet the requirements of the <i>Environmental Protection Act 1994</i>.</p> <p>During construction phases of development, contractors and builders are to have consideration in their work methods and site preparation for their environmental duty to protect stormwater quality.</p>	<p>Complies No formal drainage exists in the road reserve adjacent the site. It is proposed that roof water will be discharged to the ground surface onsite. Stormwater will not be concentrated and directed to cause nuisance.</p>



Pest plants (for material change of use on vacant land over 1,000m ²)		
<p>PO8 Development activities and sites provide for the removal of all pest plants and implement ongoing measures to ensure that pest plants do not reinfest the site or nearby sites.</p> <p>Editor's note - This does not remove or replace all land owner's obligations or responsibilities under the <i>Land Protection (Pest and Stock Route Management) Act 2002</i>.</p>	<p>AO8.1 The land is free of declared pest plants before development establishes new buildings, structures and practices;</p> <p>or</p> <p>AO8.2 Pest plants detected on a development site are removed in accordance with a management plan prepared by an appropriately qualified person prior to construction of buildings and structures or earthworks.</p> <p>Note - A declaration from an appropriately qualified person validates the land being free from pest plants.</p> <p>Declared pest plants include locally declared and State declared pest plants.</p>	<p>Not applicable.</p>

9.4.4 Filling and excavation code

9.4.4.1 Application

- (1) This code applies to assessing:
 - (a) operational work for filling or excavation which is self-assessable or code assessable development if this code is an applicable code identified in the assessment criteria column of a table of assessment; or
 - (b) a material change of use or reconfiguring a lot if:
 - (i) assessable development where this code is identified as a prescribed secondary code in the assessment criteria column of a table of assessment; or
 - (ii) impact assessable development, to the extent relevant.

Note—This code does not apply to building work that is regulated under the Building Code of Australia.

- (2) When using this code, reference should be made to Part 5.

9.4.4.2 Purpose

- (1) The purpose of the Filling and excavation code is to assess the suitability of development for filling or excavation.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) filling or excavation does not impact on the character or amenity of the site and surrounding areas;
 - (b) filling and excavation does not adversely impact on the environment;
 - (c) filling and excavation does not impact on water quality or drainage of upstream, downstream or adjoining properties;
 - (d) filling and excavation is designed to be fit for purpose and does not create land stability issues;
 - (e) filling and excavation works do not involve complex engineering solutions.

9.4.4.3 Criteria for assessment

Table 9.4.4.3.a – Filling and excavation code – for self-assessable and assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For self-assessable and assessable development		
Filling and excavation - General		
<p>PO1 All filling and excavation work does not create a detrimental impact on the slope stability, erosion potential or visual amenity of the site or the surrounding area.</p>	<p>AO1.1 The height of cut and/or fill, whether retained or not, does not exceed 2 metres in height.</p> <p>and</p> <p>Cuts in excess of those stated in A1.1 above are separated by benches/ terraces with a minimum width of 1.2 metres that incorporate drainage provisions and screen planting.</p> <p>AO1.2 Cuts are supported by batters, retaining or rock walls and associated benches/terraces are capable of supporting mature vegetation.</p> <p>AO1.3 Cuts are screened from view by the siting of the building/structure, wherever possible.</p>	<p>Complies Only minor excavation and filling is required to construct the building pads and install the onsite waste water treatment and disposal system.</p>



	<p>AO1.4 Topsoil from the site is retained from cuttings and reused on benches/terraces.</p> <p>AO1.5 No crest of any cut or toe of any fill, or any part of any retaining wall or structure is closer than 600mm to any boundary of the property, unless the prior written approval of the adjoining landowner has been obtained.</p> <p>AO1.6 Non-retained cut and/or fill on slopes are stabilised and protected against scour and erosion by suitable measures, such as grassing, landscaping or other protective/aesthetic measures.</p>	
Visual Impact and Site Stability		
<p>PO2 Filling and excavation are carried out in such a manner that the visual/scenic amenity of the area and the privacy and stability of adjoining properties is not compromised.</p>	<p>AO2.1 The extent of filling and excavation does not exceed 40% of the site area, or 500m² whichever is the lesser, except that AO2.1 does not apply to reconfiguration of 5 lots or more.</p> <p>AO2.2 Filling and excavation does not occur within 2 metres of the site boundary.</p>	<p>Complies The site is level. Any fill or excavation will be no closer than 2m to the boundary.</p>
Flooding and drainage		



<p>PO3 Filling and excavation does not result in a change to the run off characteristics of a site which then have a detrimental impact on the site or nearby land or adjacent road reserves.</p>	<p>AO3.1 Filling and excavation does not result in the ponding of water on a site or adjacent land or road reserves.</p> <p>AO3.2 Filling and excavation does not result in an increase in the flow of water across a site or any other land or road reserves.</p> <p>AO3.3 Filling and excavation does not result in an increase in the volume of water or concentration of water in a watercourse and overland flow paths.</p> <p>AO3.4 Filling and excavation complies with the specifications set out in Planning Scheme Policy No SC5 – FNQROC Development Manual.</p>	<p>Will comply Any concerns in this regard may be conditioned under a Development Permit.</p>
Water quality		
<p>PO4 Filling and excavation does not result in a reduction of the water quality of receiving waters.</p>	<p>AO4 Water quality is maintained to comply with the specifications set out in Planning Scheme Policy No SC5 – FNQROC Development Manual.</p>	<p>Will comply Any concerns in this regard may be conditioned under a Development Permit.</p>
Infrastructure		
<p>PO5 Excavation and filling does not impact on Public Utilities.</p>	<p>AO5 Excavation and filling is clear of the zone of influence of public utilities.</p>	<p>Will comply Any concerns in this regard may be conditioned under a Development Permit.</p>

9.4.5 Infrastructure works code

9.4.5.1 Application

- (1) This code applies to assessing:
 - (a) operational work which requires an assessment as a condition of a development permit or is assessable development if this code is identified in the assessment criteria column of a table of assessment;
 - (b) a material change of use or reconfiguring a lot if:
 - (i) assessable development where this code is identified in the assessment criteria column of the table of assessment;
 - (ii) impact assessable development, to the extent relevant.

Note – The Filling and excavation code applies to operational work for filling and excavation.

- (2) When using this code, reference should be made to Part 5.

9.4.5.2 Purpose

- (1) The purpose of the Infrastructure works code is to ensure that development is safely and efficiently serviced by, and connected to, infrastructure.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) the standards of water supply, waste water treatment and disposal, stormwater drainage, local electricity supply, telecommunications, footpaths and road construction meet the needs of development and are safe and efficient;
 - (b) development maintains high environmental standards;
 - (c) development is located, designed, constructed and managed to avoid or minimise impacts arising from altered stormwater quality or flow, wastewater discharge, and the creation of non-tidal artificial waterways;
 - (d) the integrity of existing infrastructure is maintained;
 - (e) development does not detract from environmental values or the desired character and amenity of an area.

9.4.5.3 Criteria for assessment

Table 9.4.5.3.a – Infrastructure works code –assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For self-assessable and assessable development		
Works on a local government road		
PO1 Works on a local government road do not adversely impact on footpaths or existing infrastructure within the road verge and maintain the flow, safety and efficiency of pedestrians, cyclists and vehicles.	AO1.1 Footpaths/pathways are located in the road verge and are provided for the hierarchy of the road and located and designed and constructed in accordance with Planning scheme policy SC5 – FNQROC Regional Development Manual. AO1.2 Kerb ramp crossovers are constructed in accordance with Planning scheme policy SC 5 – FNQROC Regional Development Manual. AO1.3 New pipes, cables, conduits or other similar infrastructure required to cross existing footpaths: (a) are installed via trenchless methods; or (b) where footpath infrastructure is removed to install infrastructure, the new section of footpath is installed to the standard detailed	Not applicable



	<p>in the Planning scheme policy SC5 – FNQROC Regional Development Manual, and is not less than a 1.2 metre section.</p> <p>AO1.4 Where existing footpaths are damaged as a result of development, footpaths are reinstated ensuring:</p> <ul style="list-style-type: none"> (a) similar surface finishes are used; (b) there is no change in level at joins of new and existing sections; (c) new sections are matched to existing in terms of dimension and reinforcement. <p>Note – Figure 9.4.5.3.a provides guidance on meeting the outcomes.</p> <p>AO1.5 Decks, verandahs, stairs, posts and other structures located in the road reserve do not restrict or impede pedestrian movement on footpaths or change the level of the road verges.</p>	
Accessibility structures		
<p>PO2 Development is designed to ensure it is accessible for people of all abilities and accessibility features do not impact on the efficient and safe use of footpaths.</p> <p>Note – Accessibility features are those features required to ensure access to premises is provided for people of all abilities and include ramps and lifts.</p>	<p>AO2.1 Accessibility structures are not located within the road reserve.</p> <p>AO2.2 Accessibility structures are designed in accordance with AS1428.3.</p> <p>AO2.3 When retrofitting accessibility features in existing buildings, all structures and changes in grade are contained within the boundaries of the lot and not within the road reserve.</p>	Not applicable
Water supply		

**P03**

An adequate, safe and reliable supply of potable, fire fighting and general use water is provided.

AO3.1

The premises is connected to Council's reticulated water supply system in accordance with the Design Guidelines set out in Section D6 of the Planning scheme policy SC5 – FNQROC Regional Development Manual;

or

AO3.2

Where a reticulated water supply system is not available to the premises, on site water storage tank/s with a minimum capacity of 10,000 litres of stored water, with a minimum 7,500 litre tank, with the balance from other sources (e.g. accessible swimming pool, dam etc.) and access to the tank/s for fire trucks is provided for each new house or other development. Tank/s are to be fitted with a 50mm ball valve with a camlock fitting and installed and connected prior to occupation of the house and sited to be visually unobtrusive.

Complies

The subject site is connected to Council's reticulated water supply.



Treatment and disposal of effluent		
<p>PO4 Provision is made for the treatment and disposal of effluent to ensure that there are no adverse impacts on water quality and no adverse ecological impacts as a result of the system or as a result of increasing the cumulative effect of systems in the locality.</p>	<p>AO4.1 The site is connected to Council's sewerage system and the extension of or connection to the sewerage system is designed and constructed in accordance with the Design Guidelines set out in Section D7 of the Planning scheme policy SC5 – FNQROC Regional Development Manual;</p> <p>or</p> <p>AO4.2 Where not in a sewerage scheme area, the proposed disposal system meets the requirements of Section 33 of the <i>Environmental Protection Policy (Water) 1997</i> and the proposed on site effluent disposal system is designed in accordance with the <i>Plumbing and Drainage Act (2002)</i>.</p>	<p>Complies The site is not connected to Council's sewer network. Wastewater will be treated and disposed onsite in accordance with Assessment and Design Report prepared by Dirt Professionals and included as Attachment 4.</p>
Stormwater quality		
<p>PO5 Development is planned, designed, constructed and operated to avoid or minimise adverse impacts on stormwater quality in natural and developed catchments by:</p> <ul style="list-style-type: none"> (a) achieving stormwater quality objectives; (b) protecting water environmental values; (c) maintaining waterway hydrology. 	<p>AO5.1 A connection is provided from the premises to Council's drainage system;</p> <p>or</p> <p>AO5.2 An underground drainage system is constructed to convey stormwater from the premises to Council's drainage system in accordance with the Design Guidelines set out in Sections D4 and D5 of the Planning scheme policy SC5 – FNQROC Regional Development Manual.</p>	<p>Alternative solution No formal drainage infrastructure exists in either Schilds or Mijo Road reserve. It is proposed that water captured by the roof structures will be discharged to the ground and dispersed.</p>

**AO5.3**

A stormwater quality management plan is prepared, and provides for achievable stormwater quality treatment measures meeting design objectives listed in Table 9.4.5.3.b and Table 9.4.5.3.c, reflecting land use constraints, such as:

- (a) erosive, dispersive and/or saline soil types;
- (b) landscape features (including landform);
- (c) acid sulfate soil and management of nutrients of concern;
- (d) rainfall erosivity.

AO5.4

Erosion and sediment control practices are designed, installed, constructed, monitored, maintained, and carried out in accordance with an erosion and sediment control plan.

AO5.5

Development incorporates stormwater flow control measures to achieve the design objectives set out in Table 9.4.5.3.b and Table 9.4.5.3.c, including management of frequent flows, peak flows, and construction phase hydrological impacts.

Note – Planning scheme policy SC5 – FNQROC Regional Development Manual provides guidance on soil and water control measures to meet the requirements of the *Environmental Protection Act 1994*.

Note – During construction phases of development, contractors and builders are to have



	consideration in their work methods and site preparation for their environmental duty to protect stormwater quality.	
Non-tidal artificial waterways		
PO6 Development involving non-tidal artificial waterways is planned, designed, constructed and operated to: <ul style="list-style-type: none"> (a) protect water environmental values; (b) be compatible with the land use constraints for the site for protecting water environmental values; (c) be compatible with existing tidal and non-tidal waterways; (d) perform a function in addition to stormwater management; (e) achieve water quality objectives. 	AO6.1 Development involving non-tidal artificial waterways ensures: <ul style="list-style-type: none"> (a) environmental values in downstream waterways are protected; (b) any ground water recharge areas are not affected; (c) the location of the waterway incorporates low lying areas of the catchment connected to an existing waterway; (d) existing areas of ponded water are included. AO6.2 Non-tidal artificial waterways are located: <ul style="list-style-type: none"> (a) outside natural wetlands and any associated buffer areas; (b) to minimise disturbing soils or sediments; (c) to avoid altering the natural hydrologic regime in acid sulfate soil and nutrient hazardous areas. AO6.3 Non-tidal artificial waterways located adjacent to, or connected to a tidal waterway by means of a weir, lock, pumping system or similar ensures: <ul style="list-style-type: none"> (a) there is sufficient flushing or a tidal range of >0.3 m; or (b) any tidal flow alteration does not adversely impact on the tidal waterway; or 	Not applicable.



	<p>(c) there is no introduction of salt water into freshwater environments.</p> <p>AO6.4 Non-tidal artificial waterways are designed and managed for any of the following end-use purposes:</p> <ul style="list-style-type: none"> (a) amenity (including aesthetics), landscaping or recreation; or (b) flood management, in accordance with a drainage catchment management plan; or (c) stormwater harvesting plan as part of an integrated water cycle management plan; or aquatic habitat. <p>AO6.5 The end-use purpose of the non-tidal artificial waterway is designed and operated in a way that protects water environmental values.</p> <p>AO6.6 Monitoring and maintenance programs adaptively manage water quality to achieve relevant water quality objectives downstream of the waterway.</p> <p>AO6.7 (d) Aquatic weeds are managed to achieve a low percentage of coverage of the water surface area, and pests and vectors are managed through design and maintenance.</p>	
Wastewater discharge		



<p>P07 Discharge of wastewater to waterways, or off site:</p> <ul style="list-style-type: none"> (a) meets best practice environmental management; (b) is treated to: <ul style="list-style-type: none"> (i) meet water quality objectives for its receiving waters; (ii) avoid adverse impact on ecosystem health or waterway health; (iii) maintain ecological processes, riparian vegetation and waterway integrity; (iv) offset impacts on high ecological value waters. 	<p>AO7.1 A wastewater management plan is prepared and addresses:</p> <ul style="list-style-type: none"> (a) wastewater type; (b) climatic conditions; (c) water quality objectives; (d) best practice environmental management. <p>AO7.2 The waste water management plan is managed in accordance with a waste management hierarchy that:</p> <ul style="list-style-type: none"> (a) avoids wastewater discharge to waterways; or (b) if wastewater discharge cannot practicably be avoided, minimises wastewater discharge to waterways by re-use, recycling, recovery and treatment for disposal to sewer, surface water and ground water. <p>AO7.3 Wastewater discharge is managed to avoid or minimise the release of nutrients of concern so as to minimise the occurrence, frequency and intensity of algal blooms.</p> <p>AO7.4 Development in coastal catchments avoids or minimises and appropriately manages soil disturbance or altering natural hydrology and:</p> <ul style="list-style-type: none"> (a) avoids lowering ground water levels where potential or actual acid sulfate soils are present; (b) manages wastewater so that: <ul style="list-style-type: none"> (i) the pH of any wastewater 	<p>Not applicable:</p>
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	<p>discharges is maintained between 6.5 and 8.5 to avoid mobilisation of acid, iron, aluminium and other metals;</p> <p>(ii) holding times of neutralised wastewater ensures the flocculation and removal of any dissolved iron prior to release;</p> <p>visible iron floc is not present in any discharge;</p> <p>(iv) precipitated iron floc is contained and disposed of;</p> <p>(iii) wastewater and precipitates that cannot be contained and treated for discharge on site are removed and disposed of through trade waste or another lawful method.</p>	
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Electricity supply		
PO8 Development is provided with a source of power that will meet its energy needs.	AO8.1 A connection is provided from the premises to the electricity distribution network; or AO8.2 The premises is connected to the electricity distribution network in accordance with the Design Guidelines set out in Section D8 of the Planning scheme policy SC5 – FNQROC Regional Development Manual. Note - Areas north of the Daintree River have a different standard.	Will comply The site will be connected to mains electricity supply.
PO9 Development incorporating pad-mount electricity infrastructure does not cause an adverse impact on amenity.	AO9.1 Pad-mount electricity infrastructure is: (a) not located in land for open space or sport and recreation purposes; (b) screened from view by landscaping or fencing; (c) accessible for maintenance. AO9.2 Pad-mount electricity infrastructure within a building, in a Town Centre is designed and located to enable an active street frontage. Note – Pad-mounts in buildings in activity centres should not be located on the street frontage.	Not applicable
Telecommunications		
PO10 Development is connected to a telecommunications service approved by the relevant telecommunication regulatory authority.	AO10 The development is connected to telecommunications infrastructure in accordance with the standards of the relevant regulatory authority.	Will comply The site will be connected to telecommunication.



PO11 Provision is made for future telecommunications services (e.g. fibre optic cable).	AO11 Conduits are provided in accordance with Planning scheme policy SC5 – FNQROC Regional Development Manual.	
Road construction		
PO12 The road to the frontage of the premises is constructed to provide for the safe and efficient movement of: (a) pedestrians and cyclists to and from the site; (b) pedestrians and cyclists adjacent to the site; (c) vehicles on the road adjacent to the site; (d) vehicles to and from the site; (e) emergency vehicles.	AO12.1 The road to the frontage of the site is constructed in accordance with the Design Guidelines set out in Sections D1 and D3 of the Planning scheme policy SC5 – FNQROC Regional Development Manual, for the particular class of road, as identified in the road hierarchy. AO12.2 There is existing road, kerb and channel for the full road frontage of the site. AO12.3 Road access minimum clearances of 3.5 metres wide and 4.8 metres high are provided for the safe passage of emergency vehicles.	Complies The road frontages are constructed.
Alterations and repairs to public utility services		
PO13 Infrastructure is integrated with, and efficiently extends, existing networks.	AO13 Development is designed to allow for efficient connection to existing infrastructure networks.	Not applicable



<p>PO14 Development and works do not affect the efficient functioning of public utility mains, services or installations.</p>	<p>AO14.1 Public utility mains, services and installations are not required to be altered or repaired as a result of the development;</p> <p>or</p> <p>AO14.2 Public utility mains, services and installations are altered or repaired in association with the works so that they continue to function and satisfy the relevant Design Guidelines set out in Section D8 of the Planning scheme policy SC5 – FNQROC Regional Development Manual.</p>	<p>Not applicable</p>
<p>Construction management</p>		
<p>PO15 Work is undertaken in a manner which minimises adverse impacts on vegetation that is to be retained.</p>	<p>AO15 Works include, at a minimum:</p> <ul style="list-style-type: none"> (a) installation of protective fencing around retained vegetation during construction; (b) erection of advisory signage; (c) no disturbance, due to earthworks or storage of plant, materials and equipment, of ground level and soils below the canopy of any retained vegetation; (d) removal from the site of all declared noxious weeds. 	<p>Not applicable No native vegetation onsite that is to be retained.</p>
<p>PO16 Existing infrastructure is not damaged by construction activities.</p>	<p>AO16 Construction, alterations and any repairs to infrastructure is undertaken in accordance with the Planning scheme policy SC5 – FNQROC Regional Development Manual.</p> <p>Note - Construction, alterations and any repairs to State-controlled roads and rail corridors are undertaken in accordance with the Transport Infrastructure Act 1994.</p>	<p>Will comply</p>



Performance outcomes	Acceptable outcomes	Applicant response
For assessable development		
High speed telecommunication infrastructure		
PO17 Development provides infrastructure to facilitate the roll out of high speed telecommunications infrastructure.	AO17 No acceptable outcomes are prescribed.	Not applicable
Trade waste		
PO18 Where relevant, the development is capable of providing for the storage, collection treatment and disposal of trade waste such that: (a) off-site releases of contaminants do not occur; (b) the health and safety of people and the environment are protected; (c) the performance of the wastewater system is not put at risk.	AO18 No acceptable outcomes are prescribed.	Not applicable
Fire services in developments accessed by common private title		
PO19 Hydrants are located in positions that will enable fire services to access water safely, effectively and efficiently.	AO19.1 Residential streets and common access ways within a common private title places hydrants at intervals of no more than 120 metres and at each intersection. Hydrants may have a single outlet and be situated above or below ground. AO19.2 Commercial and industrial streets and access ways within a common private title serving commercial properties such as factories and warehouses and offices are provided with above or below ground fire hydrants located at not more than 90 metre intervals and at each intersection. Above ground fire hydrants have dual-valved outlets.	Not applicable



PO20 Hydrants are suitable identified so that fire services can locate them at all hours. Note – Hydrants are identified as specified in the Department of Transport and Main Roads Technical Note: 'Identification of street hydrants for fire fighting purposes' available under 'Publications'.	AO20 No acceptable outcomes are prescribed.	Not applicable
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Table 9.4.5.3.b – Stormwater management design objectives (Construction phase).

Issue	Design objectives
Drainage control (Temporary drainage works)	(a) Design life and design storm for temporary drainage works: (i) Disturbed open area for <12 months – 1 in 2 year ARI event; (ii) Disturbed open area for 12-24 months – 1 in 5 year ARI event; (iii) Disturbed open area for >24 months – 1 in 10 year ARI event. (b) Design capacity excludes minimum 150mm freeboard. (c) Temporary culvert crossing – minimum of 1 in 1-year ARI hydraulic capacity.
Erosion control (Erosion control measures)	(a) Minimise exposure of disturbed soils at any time. (b) Divert water run-off from undisturbed areas around disturbed areas. (c) Determine erosion risk rating using local rainfall erosivity, rainfall depth, soil loss rate or other acceptable methods. (d) Implement erosion control methods corresponding to identified erosion risk rating.
Sediment control measures (sediment control measures, design storm for sediment control basins, Sediment basin dewatering)	(a) Determine appropriate sediment control measures using: (i) potential soil loss rate; or (ii) monthly erosivity; or (iii) average monthly rainfall. (b) Collect and drain stormwater from disturbed soils to sediment basin for design storm event: (i) design storm for sediment basin sizing is 80th% five-day event or similar. (c) Site discharge during sediment basin dewatering: (i) TSS < 50mg/L TSS; (ii) Turbidity not > 10% receiving water's turbidity; (iii) pH 6.5-8.5.



Water quality (Litter and other waste, hydrocarbons and other contaminants)	(a) Avoid wind-blown litter; remove grass pollutants. (b) Ensure there is no visible oil or grease sheen on released waters. (c) Dispose of waste containing contaminants at authorised facilities.
Waterway stability and flood flow management (Changes to the natural hydraulics and hydrology)	(a) For peak flow for the 100% AEP event and 1% AEP event, use constructed sediment basins to attenuate the discharge rate of stormwater from the site.

Table 9.4.5.3.c – Stormwater management design objectives (post-construction phase)

Design objectives				Application
Minimum reductions in mean annual load from unmitigated development (%)				
Total suspended solids (TSS)	Total phosphorus (TP)	Total nitrogen (TN)	Gross pollutants >5mm	
80	60	40	90	<p>Development for urban purposes</p> <p>Excludes development that is less than 25% pervious.</p> <p>In lieu of modelling, the default bio-retention treatment area to comply with load reduction targets of 1.5% of contributing catchment area.</p>

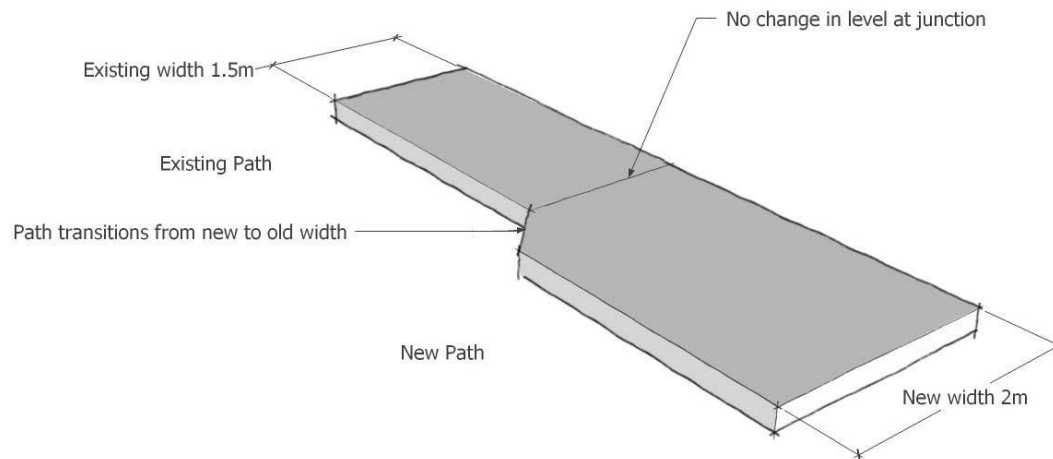
**Water stability management**

- (a) Limit peak 100% AEP event discharge within the receiving waterway to the pre-development peak 100% AEP event discharge.

Catchments contributing to un-lined receiving waterway. Degraded waterways may seek alternative discharge management objectives to achieve waterway stability.

For peak flow for the 100% AEP event, use co-located storages to attenuate site discharge rate of stormwater.

Figure 9.4.5.3.a – New footpath sections



9.4.6 Landscaping code

9.4.6.1 Application

- (1) This code applies to assessing:
 - (a) operational work which requires a compliance assessment as a condition of a development permit; or
 - (b) a material change of use or reconfiguring a lot if:
 - (i) assessable development where this code is identified in the assessment criteria column of the table of assessment;
 - (ii) impact assessable development, to the extent relevant.
- (2) When using this code, reference should be made to Part 5.

9.4.6.2 Purpose

- (1) The purpose of the Landscaping code is to assess the landscaping aspects of a development.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) The tropical, lush landscape character of the region is retained, promoted and enhanced through high quality landscape works;
 - (b) The natural environment of the region is enhanced;
 - (c) The visual quality, amenity and identity of the region is enhanced;
 - (d) Attractive streetscapes and public places are created through landscape design;
 - (e) As far as practical, existing vegetation on site is retained, and protected during works and integrated with the built environment;
 - (f) Landscaping is provided to enhance the tropical landscape character of development and the region;
 - (g) Landscaping is functional, durable, contributes to passive energy conservation and provides for the efficient use of water and ease of ongoing maintenance;
 - (h) Landscaping takes into account utility service protection;
 - (i) Weed species and invasive species are eliminated from development sites;
 - (j) Landscape design enhances personal safety and incorporates CPTED principles.

9.4.6.3 Criteria for assessment

Table 9.4.6.3.a – Landscaping code –assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For self-assessable and assessable development		
Landscape design		



<p>PO1</p> <p>Development provides landscaping that contributes to and creates a high quality landscape character for the site, street and local areas of the Shire by:</p> <ul style="list-style-type: none"> (a) promoting the Shire's character as a tropical environment; (b) softening the built form of development; (c) enhancing the appearance of the development from within and outside the development and makes a positive contribution to the streetscape; (d) screening the view of buildings, structures, open storage areas, service equipment, machinery plant and the like from public places, residences and other sensitive development; (e) where necessary, ensuring the privacy of habitable rooms and private outdoor recreation areas; (f) contributing to a comfortable living environment and improved energy efficiency, by providing shade to reduce glare and heat absorption and re-radiation from buildings, parking areas and other hard surfaces; (g) ensuring private outdoor recreation space is useable; (h) providing long term soil erosion protection; (i) providing a safe environment; (j) integrating existing vegetation and other natural features of the premises into the development; (k) not adversely affecting vehicular and pedestrian sightlines and road safety. 	<p>AO1</p> <p>Development provides landscaping:</p> <ul style="list-style-type: none"> (a) in accordance with the minimum area, dimensions and other requirements of applicable development codes; (b) that is designed and planned in a way that meets the guidelines for landscaping outlined in Planning Scheme Policy SC6.7 – Landscaping; (c) that is carried out and maintained in accordance with a landscaping plan that meets the guidelines for landscaping outlined in Planning Scheme Policy SC6.7 – Landscaping. <p>Note - Planning scheme policy SC6.7 – Landscaping provides guidance on meeting the outcomes of this code. A landscape plan submitted for approval in accordance with the Planning policy is one way to achieve this outcome.</p>	<p>Will comply</p> <p>It is proposed to landscape around the proposed development however at this stage a Landscape Plan has not been developed. A condition of approval requiring a Landscaping Plan would be acceptable.</p>
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For assessable development		
<p>PO2 Landscaping contributes to a sense of place, is functional to the surroundings and enhances the streetscape and visual appearance of the development.</p>	<p>AO2.1 No acceptable outcomes are specified.</p> <p>Note - Landscaping is in accordance with the requirements specified in Planning scheme policy SC6.7 – Landscaping.</p> <p>AO2.2 Tropical urbanism is incorporated into building design.</p> <p>Note – ‘Tropical urbanism’ includes many things such as green walls, green roofs, podium planting and vegetation incorporated into the design of a building.</p>	<p>Will comply</p>
<p>PO3 Development provides landscaping that is , as far as practical, consistent with the existing desirable landscape character of the area and protects trees, vegetation and other features of ecological, recreational, aesthetic and cultural value.</p>	<p>AO3.1 Existing vegetation on site is retained and incorporated into the site design, wherever possible, utilising the methodologies and principles outline in AS4970-2009 Protection of Trees on Development Sites.</p> <p>AO3.2 Mature vegetation on the site that is removed or damaged during development is replaced with advanced species.</p> <p>AO3.3 Where there is an existing landscape character in a street or locality which results from existing vegetation, similar species are incorporated into new development.</p> <p>AO3.4 Street trees are species which enhance the landscape character of the streetscape, with species chosen from the Planning scheme policy SC6.7 – Landscaping.</p>	<p>Alternative solution There is no native vegetation onsite to be retained.</p>



P04 Plant species are selected with consideration to the scale and form of development, screening, buffering, streetscape, shading and the locality of the area.	AO4 Species are selected in accordance with Planning scheme policy SC6.7 – Landscaping.	Will comply
P05 Shade planting is provided in car parking areas where uncovered or open, and adjacent to driveways and internal roadways.	AO5 Species are selected in accordance with Planning scheme policy SC6.7 – Landscaping.	Will comply
P06 Landscaped areas are designed in order to allow for efficient maintenance.	AO6.1 A maintenance program is undertaken in accordance with Planning scheme policy SC6.7 – Landscaping. AO6.2 Tree maintenance is to have regard to the 'Safe Useful Life Expectancy of Trees (SULE). Note – It may be more appropriate to replace trees with a SULE of less than 20 years (as an example), and replant with younger healthy species.	Will comply
P07 Podium planting is provided with appropriate species for long term survival and ease of maintenance, with beds capable of proper drainage.	AO7.1 Podium planting beds are provided with irrigation and are connected to stormwater infrastructure to permit flush out. AO7.2 Species of plants are selected for long term performance designed to suit the degree of access to podiums and roof tops for maintenance.	Not applicable
P08 Development provides for the removal of all weed and invasive species and implement on-going measures to ensure that weeds and invasive species do not reinfest the site and nearby premises.	AO8 Weed and invasive species detected on a development site are removed in accordance with a management plan prepared by an appropriately qualified person.	Will comply



PO9 The landscape design enhances personal safety and reduces the potential for crime and vandalism.	AO9 No acceptable outcomes are specified. Note - Planning scheme policy SC6.3 – Crime prevention through environmental design (CPTED) provides guidance on meeting this outcome.	Will comply
PO10 The location and type of plant species does not adversely affect the function and accessibility of services and facilities and service areas.	AO10 Species are selected in accordance with Planning scheme policy SC6.7 – Landscaping.	Will comply