June 3, 2020

The Manager, Planning Services Douglas Shire Council P.O. Box 723 Mossman QLD 4873 DOUGLAS SHIRE COUNCIL
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Attention Planning,
Information

Attention - Planning and Develop Services

Dear Sir/Madam

APPLICATION FOR MATERIAL CHANGE OF USE OF PREMISES, DWELLING/HOUSE ON LOT 18 RP 738519 THORNTON PEAK DRIVE FOREST CREEK

Attached is DA form 1 duly completed together with sketches of the proposed 1 bedroom dwelling house, soil classification and wastewater management report.

In addition to the house site the attached site plan shows the extent of proposed vegetation clearing.

No overlays affect the allotment in the general area of house site.

The following report provides supporting information to show compliance or otherwise with the planning scheme and codes within

General details

Applicant

William C Schumann

Contact

William C Schumann

19 Tryal Street Bentley Park

Cairns QLD 4869 Ph 0477-445-789

Email bill.schumann@bigpond.com

Registered Land Owner

William C Schumann

Real Property Description

Lot 18 RP 738519

Location

Thornton Peak Drive Forest Creek

General Details continued

Tenure Freehold

Land Area 1.536 ha

Present Use Vacant

Easements and Encumbrances None

Local Government Authority Douglas Shire Council

Planning Scheme 2020 Doulas Shire Planning Scheme

Planning Area Environmental Management Zone

Assessment Level Code Assessable

Applicable Codes Environmental Management Zone Code

Assessment Against the Douglas Shire Planning Scheme Codes

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.

The local government purpose of the code is to:

implement the policy direction set in the Strategic Framework, in particular:

Theme 2: Environment and landscape values, Element 3.5.3 – Biodiversity, Element 3.5.5 – Scenic amenity.

Protect and buffer areas of environmental significance from inappropriate development.

The purpose of the code will be achieved through the following overall outcomes:

Development is generally restricted to a dwelling house;

Adverse impacts on natural systems, both on-site and on adjoining land are minimised through the location, design and management of development;

Development reflects and responds to the natural features and environmental values of the area;

Visual impacts are minimised through the location and design of development;

Development does not adversely affect water quality;

Development responds to land constraints, including but not limited to topography, vegetation, bushfire, landslide and flooding.

6.2.4.3 Criteria for assessment

Table 6.2.4.3.a - Environmental management zone - assessable development

Performance Outcomes	Acceptable Outcomes	Outcomes
For Self-assessable and asses		
PO1	AO1.1	The proposed dwelling/house
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.	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.	is single story only Roof height of approximately 2.3m

Performance Outcomes	Acceptable Outcomes	Outcomes
For Self-assessable and asses		
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.	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) 6metres from any other road; (d) 6 metres from the side and rear boundaries of the site.	The proposed dwelling/house is set back 25m from the frontage of Thornton peak Drive and is also 20m from the West side boundary. This position places the proposed dwelling/house in the best possible position to make use of the natural land fall of 2 degree
PO3 Development is consistent with the purpose of the Environmental management zone and protects the zone from the intrusion of inconsistent uses.	AO3 Inconsistent uses as identified in Table 6.2.4.3.b are not established in the Environmental management zone.	Private dwelling/house only.
PO4 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.	PO4 No acceptable outcomes are prescribed.	
PO5 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.	AO5.1 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. AO5.2 Buildings and structures and associated infrastructure are not located on slopes greater than 1 in 6 (16.6%) or on a ridgeline.	There are not cleared areas on this lot. The proposed driveway, entrance and dwelling site is situated in the most environmentally degraded location to minimise vegetation clearing and to make use of the natural land fall. Lot 18 Thornton Peak Drive has a 2 degree fall NW to ES.
PO6 Buildings and structures are responsive to steep slope through innovative construction techniques so as to: (a) maintain the geotechnical stability of slopes; (b) minimise cut and/or fill; (c) minimise the overall height	AO6.1 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided, development follows the natural 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 then actual contours of the site.	Lot 18 Thornton Peak Drive has a 2 degree fall NW to ES. No cut and fill is required however it is proposed to have the building elevated on footings 1m above natural land level. Vehicle access, manoeuvring and parking areas will be constructed using 20mm bluestone with a bluestone quarry dust covering.

Performance Outcomes	Acceptable Outcomes	Outcomes
For Self-assessable and asses	sable development	
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.	The proposed dwelling/house is set back as to not be externally visible however the preferred colours of the darker shades of grey, green, blue and brown will be used.
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.	Due care of necessary will be used to minimise the affects to others and the environment.
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.	The proposed dwelling/house is a single dwelling/house only.
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.	There are no lot reconfiguration request

Inconsistent uses

- 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

- 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

- 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.

9.3.8 Dwelling house code

9.3.8.1 Application

- (1) This code applies to assessing development for a dwelling house if:
- (a) Self-assessable development or assessable development where this code identified in

The assessment criteria column of a table of assessment; or

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

Note—Where the land is identified in an overlay map, additional provisions relating to that overlay also apply. For example,

Minimum floor levels for a dwelling house on a site subject to certain types of flooding are identified in the Flood and storm tide

Inundation overlay code.

Note – For a proposal to be self-assessable, it must meet all of the self-assessable outcomes of this code and any other

Applicable code. Where is does not meet all the self-assessable outcomes, the proposal becomes assessable development and

A development application is required. Where a development application is triggered, only the specific acceptable outcomes that

The proposal fails to meet need to be assessed against the corresponding performance outcomes. Other self-assessable

Outcomes that are met are not assessed as part of the development application.

9.3.8.2 Purpose

- (1) The purpose of the Dwelling house code is to assess the suitability of development to which this code applies.
- (2) The purpose of the code will be achieved through the following overall outcomes:
- (a) The dwelling / house, including all habitable buildings on site, is occupied by a single household;
- (b) A dwelling house, including a secondary dwelling or domestic outbuildings; ensures that the secondary dwelling is sub-ordinate to the primary dwelling house;
- (c) Development of a dwelling house provides sufficient and safe vehicle access and parking for residents;
- (d) The built form, siting, design and use of each dwelling are consistent with the desired neighborhood character and streetscape elements of the area.

9.3.8.3 Criteria for assessment

Table 9.3.8.3.a - Dwelling house code -assessable development

Performance outcomes	Acceptable outcomes	Outcomes
For self-assessable and assessabl	e development	
PO1 Secondary dwellings: (a) Are subordinate, small-scaled dwellings; (b) Contribute to a safe and pleasant living environment; (c) Are established on appropriate sized lots; (d) Do not cause adverse impacts on adjoining properties.	AO1 The secondary dwelling: (a) Has a total gross floor area of not more than 80m2, excluding a single carport or garage; (b) Is occupied by 1 or more members of the same household as the dwelling house.	Single dwelling/house only No second dwelling / house request are submitted

Performance outcomes	Acceptable outcomes	Outcomes
For self-assessable and assessabl	e development	
PO2 Resident's vehicles are accommodated on- site.	AO2 Development provides a minimum number of on site car parking spaces comprising: (a) 2 car parking spaces which may be in tandem for the dwelling house; (b) 1 car parking space for any secondary dwelling on the same site.	The proposed dwelling/house will have 2no. car spaces provided for residents with a further additional car spaces provided for visitors. No second dwelling/house request are submitted
PO3 Development is of a bulk and scale that: (a) Is consistent with and complements the built Form and front boundary setbacks prevailing in the street and local area; (b) Does not create an overbearing development for adjoining dwelling houses and their private Open space; (c) Does not impact on the amenity and privacy of residents in adjoining dwelling houses; (d) Ensures that garages do not dominate the appearance of the street.	AO3 Development meets the acceptable outcome for building height in the applicable Zone code associated with the site.	Environmental management zone Acceptable outcomes Ao1.1 Max 8.5 metres and two storey in height Ao1.2 Have a roof height not less than 2m The proposed dwelling / house has a total building height of 5.9 meters with a roof height of 2.3 metres

8.2.2 Bushfire hazard overlay code

Note - Land shown on the bushfire hazard overlay map is designated as the bushfire prone area for the purposes of section 12 of the Building Regulations 2006. The bushfire hazard area (bushfire prone area) includes land covered by the high and medium hazard areas as well as the buffer area category on the overlay map.

8.2.2.1 Application

This code applies to assessing a material change of use, reconfiguring a lot, operational works or building work in the Bushfire hazard overlay, if:

- a) Self-assessable or assessable 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.

Land in the Bushfire hazard overlay is identified on the Bushfire hazard overlay map in Schedule 2 and includes the following sub-categories:

- Medium bushfire risk sub-category; High bushfire risk sub-category;
- · Very high bushfire risk sub-category;
- · Potential impact buffer sub-category.

When using this code, reference should be made to Part 5.

8.2.2.2 Purpose

- (1) The purpose of the Bushfire overlay code is to:
 - (a) Implement the policy direction in the Strategic Framework, in particular:
 - Theme 1 Settlement pattern: Element 3.4.7 Mitigation of hazards;
 - Theme 6 Infrastructure and transport: Element 3.9.2 Energy.
 - (b) Enable an assessment of whether development is suitable on land within the Bushfire risk overlay subcategories.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - Development avoids the establishment or intensification of vulnerable activities within or near areas that are subject to bushfire hazard;
 - Development is designed and located to minimise risks to people and property from bushfires;
 - Bushfire risk mitigation treatments are accommodated in a manner that avoids or minimises impacts on the natural environment and ecological processes;
 - Development involving the manufacture or storage of hazardous materials does not increase the risk to public safety or the environment in a bushfire event;
 - Development contributes to effective and efficient disaster management response and recovery capabilities.

Note - A site based assessment may ground-truth the extent of hazardous vegetation and extent and nature of the bushfire hazard area (bushfire prone area). Such assessments should be undertaken using the methodology set out in Planning scheme policy SC6.9 - Natural Hazards.

8.2.2.3 Criteria for assessment

Table 8.2.2.3.a - Bushfire hazard overlay code -assessable development

Performance outcomes	Acceptable outcomes	Outcomes
All development		
PO12 All premises are provided with vehicular access that enables safe evacuation for occupants and easy access by fire fighting appliances.	AO12 Private driveways: (a) do not exceed a length of 60m from the street to the building;	The proposed dwelling/house will have a private driveway, approximately 25 metres in length.
access by life lighting appliances.	(b) Do not exceed a gradient of 12.5%; (c) Have a minimum width of 3.5m; (d) Have a minimum of 4.8m vertical clearance; (e) Accommodate turning areas for fire-fighting appliances in accordance with Queensland Fire and Emergency Services' Fire Hydrant and Vehicle Access Guidelines; and (f) Serve no more than 3 dwellings	Lot 18 Thornton Peak Drive has a 2 degree fall NW to ES. The proposed area requested for material change is 20 metres from the frontage of Thornton Peak Drive and 15 metres from the West side boundary. This gives a 5 metre vertical buffer between the proposed
	or buildings.	dwelling and forest line Drive way will be constructed using 20mm blue stone screenings with a cover of crushed blue store aggregate to accommodate heavy turning vehicles.
PO13 Development outside reticulated water supply areas includes a dedicated static supply that is available solely for fire fighting purposes and can be accessed by fire fighting appliances.	AO13 A water tank is provided within 10m of each building (other than a class 10 building) which: 10,000l for residential buildings Note – A minimum of 7,500l is required in a tank and the extra 2,500l may be in the form of accessible swimming pools or dams. Includes a hardstand area allowing	The proposed dwelling/house will collect water from the roof and preserve a minimum of 10,000Lt in a tank fitted with a 50mm ball valve and camlock coupling for access to emergencies services.
	medium rigid vehicle (15 tonne fire appliance) access within 6m of the tank; is provided with fire brigade tank fittings – 50mm ball valve and male camlock coupling	

Note - 'Vulnerable activities' are those involving:

- (1) the accommodation or congregation of vulnerable sectors of the community such as child care centres, community
 care centre, educational establishments, detention facilities, hospitals, rooming accommodation, retirement facilities
 or residential care facilities; or
- (2) the provision of essential services including community uses, emergency services, utility installation, telecommunications facility, substations and major electricity infrastructure.

DA Form 1 – Development application details

Approved form (version 1.0 effective 3 July 2017) 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 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**, 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)	William Carl Schumann
Contact name (only applicable for companies)	
Postal address (P.O. Box or street address)	19 Tryal Street
Suburb	Bentley Park
State	QLD
Postcode	4869
Country	Australia
Contact number	0477 445 789
Email address (non-mandatory)	Bill.schumann@bigpond.com
Mobile number (non-mandatory)	
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	

2) Owner's consent
2.1) Is written consent of the owner required for this development application?
Yes – the written consent of the owner(s) is attached to this development application
☑ No – proceed to 3)



PART 2 – LOCATION DETAILS

Note: Pr						 as applicable) remises part of the development 	application. For further information, see <u>DA Forms</u>
3.1) St	reet address	s and lot	on pla	in			
Stre	et address	AND lot	on pla	n for a	ts must be listed n adjoining on n; all lots must l	or adjacent property of the	premises (appropriate for development in water
	Unit No.	Street N	1		Name and		Suburb
				Thorn	ton Peak Dri	ve	Forest Creek
a)	Postcode	Lot No.		Plan 1	Type and Nu	mber (e.g. RP, SP)	Local Government Area(s)
	4873	18		RP 738519			Douglas Shire Council
	Unit No.	Street No.		Street	Name and	Туре	Suburb
b)	Postcode	Lot No. Plan Type and N		Гуре and Nu	mber (e.g. RP, SP)	Local Government Area(s)	
channel Note: P	dredging in Mo lace each set o	oreton Bay) of coordinat	es in a	separate	row. Only one	set of coordinates is required fo	a lot or in water not adjoining or adjacent to land e.g.
-		premise			e and latitud	Datum	Local Government Area(s) (if applicable)
Longit	ude(s)		Laut	ude(s)		☐ WGS84 ☐ GDA94	Local Government Area(s) (Il applicable)
ПСо	ordinates of	premise	s by e	asting	and northing		
Eastin		•	ing(s)		Zone Ref.	Datum	Local Government Area(s) (if applicable)
Lucini	9(0)		9(-)		☐ 54 ☐ 55 ☐ 56	☐ WGS84 ☐ GDA94 ☐ Other:	
3.3) A	dditional pre	mises					processors of the state of
to this	ditional pren application t required	nises are	releva	ant to t	his developr	nent application and their	details have been attached in a schedule
4) Ide	ntify any of t	he follow	ing th	at appl	y to the pren	nises and provide any rele	evant details
						in or above an aquifer	
Name	of water bo	dy, water	cours	e or ac	uifer:		
On	strategic po	ort land u	nder t	he <i>Tra</i>	nsport Infras	structure Act 1994	
Lot on	plan descri	ption of s	trateg	ic port	land:		
Name	of port auth	ority for t	he lot	:			
☐ In a	a tidal area						
Name	of local gov	ernment	for the	e tidal	area (if applica	able):	
	of port auth						
On	airport land	l under th	ne Airp	ort As	sets (Restru	cturing and Disposal) Act	2008
	of airport:						
Lis	ted on the E	Environm	ental N	Manag	ement Regis	ter (EMR) under the Envi	ronmental Protection Act 1994

		Department of Infrastructu	re, Local Government and Plan
EMR site identification:			
Listed on the Contaminated	Land Register (CLR) under the	Environmental Protection Act	1994
CLR site identification:			
they may affect the proposed develop	Queensland and are to be identified cor		
application ✓ No	is, types and dimensions are inc	nuded in plans submitted with	uns development
PART 3 – DEVELOPM	IENT DETAILS		
Section 1 – Aspects of dev			
6.1) Provide details about the			
a) What is the type of develop		On anotional words	□ p.::u:
☑ Material change of use	Reconfiguring a lot	Operational work	☐ Building work
b) What is the approval type?			
Development permit	☐ Preliminary approval	Preliminary approval th a variation approval	at includes
c) What is the level of assessn	nent?		
☑ Code assessment	☐ Impact assessment (requ	uires public notification)	
d) Provide a brief description of lots):	of the proposal (e.g. 6 unit apartment	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3
Requesting a material change Dwelling house	of use permit to provide for		
Relevant plans.	be submitted for all aspects of this develo		
6.2) Provide details about the		to the development application	
a) What is the type of develop			
☐ Material change of use	Reconfiguring a lot	Operational work	☑ Building work
			building work
b) What is the approval type?		□ Droliminary approval th	at includes a variation
Development permit	☐ Preliminary approval	☐ Preliminary approval th approval	at includes a variation
c) What is the level of assessn	nent?		
☑ Code assessment	☐ Impact assessment (requ	uires public notification)	
d) Provide a brief description of	of the proposal (e.g. 6 unit apartment	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3 lot
Dwelling / container house			
e) Relevant plans Note: Relevant plans are required to the Relevant plans.	be submitted for all aspects of this develo	opment application. For further inform	nation, see <u>DA Forms Guide:</u>

6.3) Additional aspects of development

 ${\bf \overline{M}}$ Relevant plans of the proposed development are attached to the development application

Additional aspects of development would be required under P	opment ar Part 3 Sect	e relevant to ion 1 of this	o this developmer s form have been	nt application attached to th	and the details for the his development applic	se aspects ation
✓ Not required						
Section 2 – Further develo	pment d	etails				
7) Does the proposed develop	The second second second second		lve any of the follo	owing?		
Material change of use	☑Yes -	- complete	division 1 if asses	sable against	t a local planning instru	ument
Reconfiguring a lot	☐ Yes -	- complete	division 2			
Operational work	☐ Yes -	- complete	division 3			
Building work	☑Yes -	- complete	DA Form 2 – Build	ding work det	ails	
Dili d. M. C. I. L.						
Division 1 – Material change Note: This division is only required to be planning instrument.	of use e completed	if any part of t	he development appli	cation involves a	material change of use ass	essable against a lo
8.1) Describe the proposed ma	aterial cha	nge of use				
Provide a general description of proposed use	of the		ne planning scher ch definition in a new r		Number of dwelling units (if applicable)	Gross floor area (m²) (if applicable)
New house		Dwelling	house	22	1	Approx. 120m
				W		
8.2) Does the proposed use in	volve the	use of exist	ing buildings on t	ne premises?		
Yes						
₩No						
Division 2 – Reconfiguring a	lot					
Note: This division is only required to b	e completed				econfiguring a lot.	
9.1) What is the total number of	of existing	lots making	g up the premises	?		
9.2) What is the nature of the l	lot reconfid	auration? #	ick all applicable bove	0		
Subdivision (complete 10))	iot recomi	guration: (#		The state of the s	y agreement (complete 1	(1))
Boundary realignment (com	plete 12))				easement giving acces	
	,,,,,			on road (compl		
40) 0 1 15 1-1-1						
10) Subdivision 10.1) For this development, he	ow many l	ots are bein	o created and wh	at is the inter	nded use of those lots:	
Intended use of lots created	Reside	all the same of th	Commercial	Industrial	Other, pleas	
Number of lots created						
10.2) Will the subdivision be s	taged?					
☐ Yes – provide additional de	etails belov	N				
How many stages will the wor	ks include	?				
What stage(s) will this develop	oment app	lication				
apply to?						

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PART 5 - REFERRAL DETAILS

17) Do any aspects of the proposed development require referral for 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 Regulation 2017:
☐ Clearing native vegetation
Contaminated land (unexploded ordnance)
Environmentally relevant activities (ERA) (only if the ERA have not been devolved to a local government)
☐ Fisheries – aquaculture
☐ Fisheries – declared fish habitat area
☐ Fisheries – marine plants
☐ Fisheries – waterway barrier works
Hazardous chemical facilities
Queensland heritage place (on or near a Queensland heritage place)
☐ Infrastructure – designated premises
☐ Infrastructure – state transport infrastructure
☐ Infrastructure – state transport corridors and future state transport corridors
☐ Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels
☐ Infrastructure – state-controlled roads
Land within Port of Brisbane's port limits
SEQ development area
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 – residential development
SEQ regional landscape and rural production area or SEQ Rural living area – urban activity
Tidal works or works 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 – construction of new levees or modification of existing levees (category 2 or 3 levees only)
Wetland protection area
Matters requiring referral to the local government:
Airport land
Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government)
Local heritage places
Matters requiring referral to the chief executive of the distribution entity or transmission entity:
☐ Electricity infrastructure

☐ Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: ☐ Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:				
☐ Brisbane core port land ☐ Strategic port land				
	h-water mark and within port limits)			
Matters requiring referral to the chief Land within limits of another port	executive of the relevant port au	thority:		
Matters requiring referral to the Gold ☐ Tidal works, or development in a continuous co		Coast waters		
Matters requiring referral to the Quee		ice:		
18) Has any referral agency provided	a referral response for this develor	oment application?		
18) Has any referral agency provided a referral response for this development application? ☐ Yes – referral response(s) received and listed below are attached to this development application ☑ 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 the development application the subject of this form, or include details in a schedule to this development application (if applicable).				
PART 6 – INFORMATION REQUEST				
19) Information request under Part 3 of the DA Rules				
☑ I agree to receive an information request if determined necessary for this development application ☐ 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:				
 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 <u>DA Forms Guide</u>. 				

PART 7 – FURTHER DETAILS

20) Are there any associated dev	velopment applications or curren	t appro	vals? (e.g. a preliminary app	roval)
☐ 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
☐ Approval ☐ Development application				
☐ Approval ☐ Development application				
21) Has the portable long service operational work)	e leave levy been paid? (only appli	cable to	development applications invo	lving building work or
☐ Yes – the yellow local government/private certifier's 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				
	Date paid (dd/mm/yy)		QLeave levy number (A	, B or E)
\$				
Yes – show cause or enforcement notice is attached No 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 EM941) for an application for an environmental authority accompanies this development application, and details are provided in the table below				
Note: Application for an environmental authority can be found by searching "EM941" 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:		Propos	sed 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 Note: See www.justice.qld.gov.au for further information.				

Clearing native vegetation
23.3) Does this development application involve clearing native vegetation that requires written confirmation the chief executive of the <i>Vegetation Management Act 1999</i> is satisfied the clearing is for a relevant purpose under section 22A of the <i>Vegetation Management Act 1999</i> ?
☐ Yes – this development application is accompanied by written confirmation from the chief executive of the Vegetation Management Act 1999 (s22A determination)
☑ No
Note: See www.qld.gov.au for further information.
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 <i>Environmental Offsets Act 2014?</i>
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 conservation
23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work within an assessable development area under Schedule 10, Part 10 of the Planning Regulation 2017?
Yes
☑ No
Note: See guidance materials at www.ehp.qld.gov.au for further information.
Water resources
23.6) Does this development application involve taking or interfering with artesian or sub artesian water, taking or interfering with water in a watercourse, lake or spring, taking overland flow water or waterway barrier works?
Yes – the relevant template is completed and attached to this development application
☑ No
Note: DA templates are available from www.dilgp.qld.gov.au . 23.7) Does this application involve taking or interfering with artesian or sub artesian water, taking or interfering
with water in a watercourse, lake or spring, or taking overland flow water under the Water Act 2000?
☐ Yes – I acknowledge that a relevant water authorisation under the Water Act 2000 may be required prior to commencing development
☑No
Note: Contact the Department of Natural Resources and Mines at <u>www.dnrm.qld.gov.au</u> for further information.
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 and Mines at www.dnrm.qld.gov.au for further information.
Quarry materials from land under tidal waters

☑ Not applicable

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 Heritage Protection at <u>www.ehp.qld.gov.au</u> 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 <i>Water Supply (Safety and Reliability) Act 2008</i> (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.dews.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.ehp.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.ehp.qld.gov.au for information requirements regarding development of Queensland heritage places.				
Name of the heritage place: Place ID:				
<u>Brothels</u>				
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 <i>Prostitution Regulation 2014</i> ☑ 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 <i>Transport Infrastructure Act 1994</i> (subject to the conditions in section 75 of the <i>Transport Infrastructure Act 1994</i> being satisfied) ☑ No				
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 Note: See the Planning Regulation 2017 for referral requirements Yes				
If building work is associated with the proposed development, Parts 4 to 6 of Form 2 – Building work details have been completed and attached to this development application Volume 1 Yes				

QLeave notification and payment

Department of Infrastructure, Local Government and Planning

Note: For completion by assessment manager if applicable		
Description of the work		
QLeave project number		
Amount paid (\$)		
Date paid		
Date receipted form sighted by assessment manager		
Name of officer who sighted the form		

The *Planning Act 2016*, the Planning Regulation 2017 and the DA Rules are administered by the Department of Infrastructure, Local Government and Planning. This form and all other required development application materials should be sent to the assessment manager.



Site Classification

And

Wastewater Management System

For

William Schumann

At

Lot 18 Thornton Peak Drive

Forest Creek

Postal address: Earth Test, PO Box 1042, Tolga, Qld 4882. Phone: 4095 4734 e-mail: info@earthtest.com.au



INTRODUCTION:

Earth Test has been engaged by William Schumann to assess, design and report on Site Classification and a Domestic Wastewater Management System at Lot 18 Thornton Peak Drive, Forest Creek.

Real Property Description:-

Lot 18, on RP 738519

Local Authority: Douglas Shire Council.

It is understood the intention is to construct a new dwelling at the site.

A site and soil evaluation was carried out in May 2020.

SITE FACTORS:

The site was identified during a meeting with the owner on-site.

The Lot has an area of 3.84 acres and is predominantly covered with rainforest.

The water supply to the site is onsite roof rainwater.

Occasional surface rocks where noted at the site. An intermittent watercourse flows on the Eastern boundary.

Three Dynamic Cone Penetrometer tests were performed at locations DCP1 through to DCP3 and two boreholes BH1 and BH2 as shown on the site plan.

Atterberg Limits tests were performed on a disturbed sample from Borehole1.



Proposed dwelling location at Lot 18 Thornton Peak Drive, Forest Creek



SITE INVESTIGATION REPORT

BOREHOLE LOG

CLIENT: William Schumann. **DATE SAMPLED:** 01/05/2020

PROJECT: Lot 18 Thornton Peak Drive, Forest

Creek.

Sampled by: G. Negri

REPORT DATE: 9/05/2020

BOREHOLE No: BH1

DEPTH (m)	DESCRIPTION	COMMENTS
0.0-0.5	Yellow-Brown Clay-Silt	Disturbed sample 0.5-0.7m
0.5-0.7	Yellow Orange-Brown Clay-Silt with Gravel	Watertable not encountered

ROBEHOLE No. BH2

BOKEHOLE NO:	DH2			
DEPTH (m)	DESCRIPTION	COMMENTS		
0.0-0.5	Yellow-Brown Clay-Silt	Watertable not encountered		
0.5-0.7	Yellow Orange-Brown Clay-Silt with Gravel	9 H		
		all		
	8			



ATTERBERG LIMITS TEST REPORT

CLIENT: William Schumann

SAMPLE No: SI 199-20

PROJECT: Lot 18 Thornton Peak Drive, Forest

DATE SAMPLED: 01/05/2020

Creek

Sampled by: G. Negri

SAMPLE DETAILS: BH1 0.5-0.7m

Tested By: P. Weigand

REPORT DATE: 9/05/2020

TEST METHOD	RESULT
Liquid Limit: AS 1289.3.1.2	37%
Plastic Limit: AS 1289.3.2.1	27%
Plasticity Index: AS 1289.3.3.1	10.0%
Linear Shrinkage: AS 1289.3.4.1	5.5%
Length Of Mould:	250.3mm
Cracking, Crumbling, Curling, Number Of Breaks:	One Break
Sample History:	Air Dried
Preparation Method:	Dry Sieved
Insitu Moisture Content:	21.2%
% Passing 0.075mm:	



DYNAMIC CONE PENETROMETER REPORT AS 1289.6.3.2

CLIENT: William Schumann

SAMPLE No: SI 199-20

PROJECT: Lot 18 Thornton Peak Drive, Forest

DATE SAMPLED: 01/05/2020

Creek.

Tested By: G. Negri

SAMPLE DETAILS: Sites "DCP1, DCP2 & DCP3"

as per site plan.

REPORT DATE: 9/05/2020

DEPTH	Site: DCP1	Site: DCP2	Site: DCP3
(Metres)	No Blows	No Blows	No Blows
0.0 - 0.1	1	2	1
0.1 - 0.2	1	2	2
0.2 - 0.3	2	2	3
0.3 - 0.4	2	3	4
0.4 - 0.5	3	3	5
0.5 - 0.6	4	3	4
0.6 - 0.7	5	3	6
0.7 - 0.8	4	4	6
0.8 - 0.9	3	4	4
0.9 – 1.0	3	3	5
1.0 – 1.1	3	3	4
1.1 – 1.2	4	3	4
1.2 – 1.3	3	4	4
1.3 – 1.4	3	3	4
1.4 – 1.5			
1.5 – 1.6			
1.6 – 1.7			
1.7 – 1.8			
1.8 – 1.9			
1.9 - 2.0			



SITE CLASSIFICATION

Lot 18 Thornton Peak Drive, Forest Creek.

"Abnormal moisture conditions (AS2870-2011 Clause 1.3.3)" exist at the site due to the future removal of trees

The Dynamic Cone Penetrometer test results indicate soft conditions to depths up to 0.4m at DCP1. DCP2 and DCP3 results indicate adequate allowable bearing pressure to 1.5m.

The Atterberg Limits test results indicate a slightly reactive soil.

Due to the soft conditions and "abnormal moisture conditions" the site must be classified CLASS-"P".

To comply with the "Building Services Board Subsidence Policy" advice should be sought from a Registered Professional Engineer for footing design.

All site works must be carried out in accordance with AS 3798-2007 "Guidelines on earthworks for commercial and residential developments"

If the depth of any cut exceeds 0.5m or uncontrolled fill exceeds 0.4m the classification shall be reconsidered.

Because this investigation is limited in scope and extent, it is possible that areas may exist which differ from those shown on the test hole records and used in the site classification. Should any variation from the reported conditions be encountered during excavation work, this office must be notified immediately so that reappraisal of the classification can be made.

Gavin Negri Earth Test



SITE AND SOIL EVALUATION

Lot 18 Thornton Peak Drive, Forest Creek.

The site and soil evaluation carried out on 01/05/2020 provided the following results.

Site Assessment

Site Factor Result Slope 2 degrees Shape Linear-Planar South-East Aspect Exposure Limited Erosion/land slip Not noted. Boulders/rock outcrop Occasional surface cobbles Extensive rainforest. Vegetation Watercourse/Bores As shown on site plan. Water table Not encountered during investigation. Not encountered during investigation. Fill

Flooding Not likely.
Channelled run-off Not found
Soil surface conditions Soft, Moist

Other site specific factors Nil

Soil Assessment

Soil Property Result Colour Yellow-Brown **Texture** Clay-Loam Weak Structure 10% **Coarse Fragments** Measured Permeability Ksat (m/d) Indicative Permeability 0.05-0.5 Dispersion Slakes Soil Category 4 10 Resultant Design Load Rate, DLR (mm/day)



WASTEWATER MANAGEMENT SYSTEM

An "All-Waste" septic tank discharging into an "Advanced Enviro-Septic" bed is considered suitable for this site.

This system has been designed to conform to the requirements of the following codes, acts, regulations and standards. All work to be carried out in accordance with the following codes.

- AS/NZ 1547:2012 On-site domestic-wastewater management.
- Queensland PLUMBING AND DRAINAGE ACT 2018.
- Queensland STANDARD PLUMBING AND DRAINAGE REGULATION 2019.
- Queensland PLUMBING AND WASTEWATER CODE.

SYSTEM SIZING FACTORS.

A population equivalent of three (3) persons has been chosen for the proposed one bedroom dwelling.

The residence will be connected to an onsite roof rain water supply system.

Standard water-reduction fixtures <u>must</u> be used to ensure the integrity of the system. They shall include:-

- Dual flush 6/3 Litre water closets.
- Shower-flow restrictors.
- Aerator faucets (taps).
- Water-conserving automatic washing machines.

Note: - Garbage grinders are not permitted.

As per AS/NZ 1547:2012 Appendix H, Table H1 the "Typical wastewater design flow" for a "Reticulated water supply" gives a flow allowance of 150 L/Person/day.

The daily flow for the dwelling (3 persons @ 150 L/person/day) will be 450 L/day.

From AS/NZ 1547:2012 Table J1 the minimum capacity of the All-Waste septic tank required is 3000 L.

The tank must NOT be fitted with an outlet filter.



LAND-APPLICATION SYSTEM

DISPOSAL AREA SIZING

From AS/NZ 1547:2012 APPENDIX L, L4 DESIGN AREA SIZING, L4.2 Sizing

L = Q / (DLRxW)

Where:

L = length in m

Q = design daily flow in L/day

DLR = Design Loading Rate in mm/d

W = Width in m

L = 450/(10*4.5)= 10.0m.

Use one 10.0m long by 4.5m wide Advanced Enviro-Septic bed.

See site plan and detail cross-section.

Its recommended that 1kg gypsum per m² be applied to the scarified base before laying the sand

SYSTEM SAND

All configurations of Advanced Enviro-Septic® require a minimum of 150mm of system sand surrounding the circumference of the pipe. This sand, typically gravelly coarse sand, must adhere to the following percentage and quality restrictions.

AS Sieve Size (mm)	Percent Passing %
9.50	100
4.75	95-100
2.36	80-100
1.18	50-85
0.600	25-60
0.300	5-30
0.150	0-10
0.075	0-2

If there is any doubt if the sand media will pass requirements please contact Earth Test for further advice.



SYSTEM INSTALLATION

Avoid compaction by keeping people and machinery off the finished trench or bed floor. The system shall be installed by a licensed plumber in accordance with the manufacturer's recommendations and the relevant Australian Standards.

Operation and Maintenance

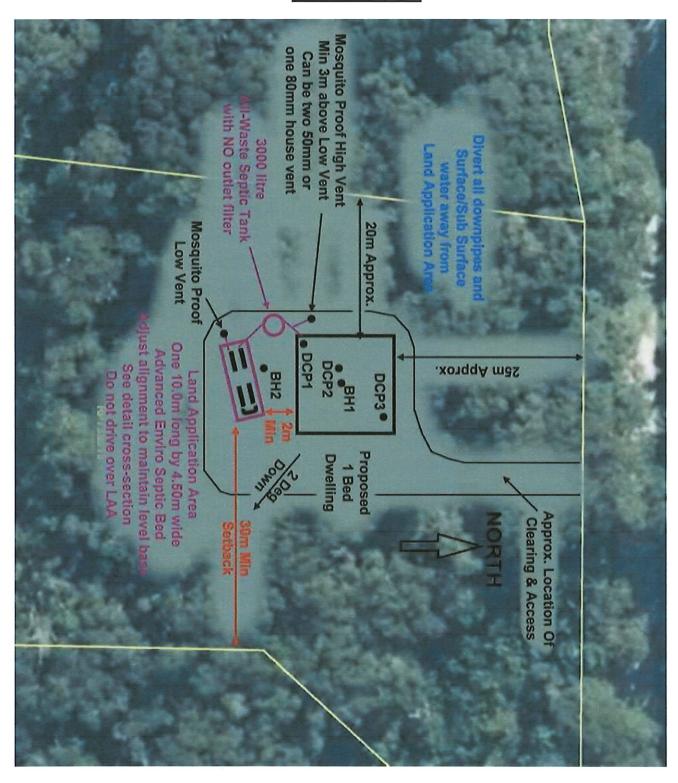
Homeowners should be fully informed of the proper operation and maintenance requirements of the on-site wastewater system.

Gavin Negri Earth Test

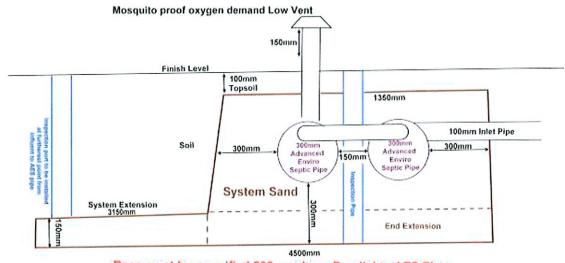


Consoil Solutions Pty. Ltd. T/A Earth Test QBCC #. 15092731

SITE PLAN Lot 18 Thornton Peak Drive, Forest Creek. NOT TO SCALE

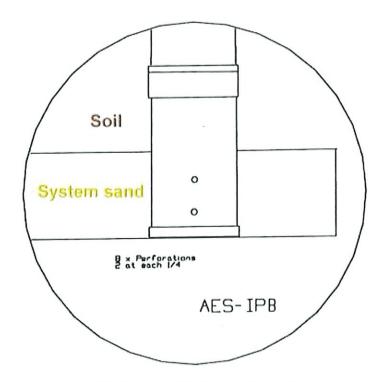






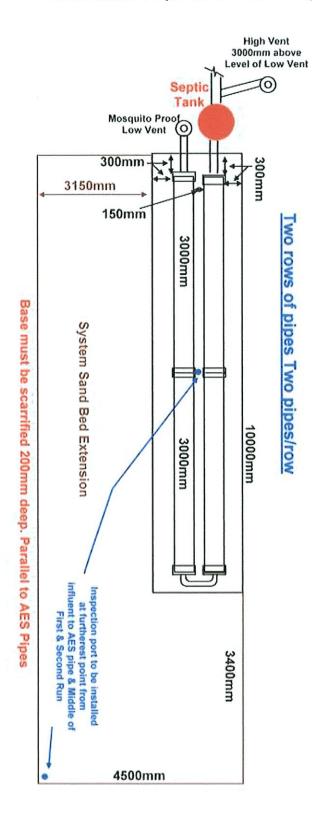
Base must be scarrified 200mm deep. Parallel to AES Pipes

4500mm Wide Two Pipe Advanced Enviro-Septic Cross-Section



AES Inspection point detail





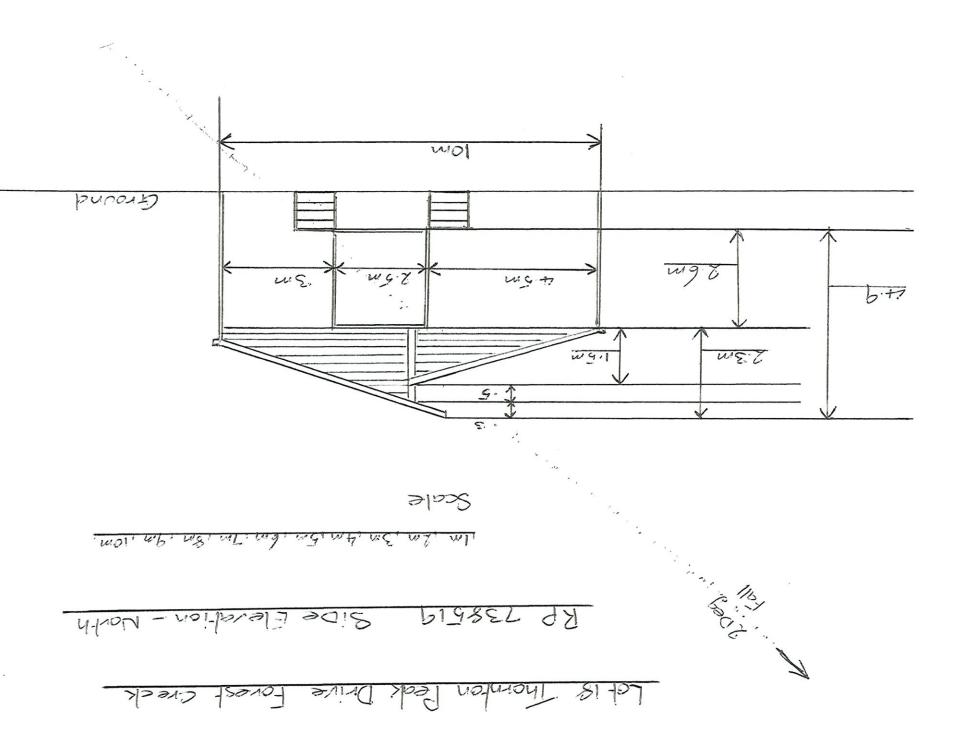
Ph: 4095 4734

ADVANCED Advanced Enviro-septic Design Calculator V8.5 ENVIRO-SEPTIC "Always The First Option" "Always the BEST Option" until site and soil conditions rule it out. QLD Lot 18 Thornton Peak Drive, Forest Creek State Post Code Address Client Name Designers Ph Designers 40954734 Earth Test Number 15092731 Name Number Plumb / Drainer Plumber Ph Plumber Number Lic Number Council Designers AES Douglas Shire Council Cert Number Area This Calculator is a guide only, receiving soil classification, surface water, water tables and all other site constraints addressed by the qualified designer. /meter loading rate, "30" for Advanced Secondary or "38" Secondary > This design is for a SECONDARY system. Is this a new installation Y or N Minimun single vent size is 80mm or 2 x 50mm house vents Number of person a septic tank outlet filter is NOT RECOMMENDED Daily Design Flow Allowance Litre/Person/Day 150 2 Number of rows required to suit site constrants >> The maximum Ith of a single AES pipe run is 30 meters ırface Soil Category as established by site and soil evaluation. CATEGORY >> Catagory may require design considerations. Ref AS1547 Design Loading Rate based on site & soil evaluation DLR (mm/day) 10 >> Soil conditioning may be necessary. Ref AS1547 & Comments. 1400 >> Min depth below basel area is 600 mm to establish water table or re Bore log depth below system Basel area AES FOOTPRINT MUST BE LEVEL WITH TRENCH EXTENSI >> Consideration required for Sloping sites. Ref AS1547. refer comme Is this design a gravity system with no outlet filter? Y or N A House Vent & LOW VENT required on this system PLEASE CHECK YOU HAVE FALL FROM TANK TO AES SYSTEM PIPES Ripping of receiving surface is required in clay soil structures in Cat 4,5,6. In addition refer to AS 1547. Always excavate and rip parallel to the site slope/AES pi Specialist soils advice and 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 - Minimun falls from Septic tank outlets to Land application areas, etc All Sloping sites require special consideration and management through design of slope percentage, surface water and construction methods as per AS1547. Plumbers are reminded that good construction techniques as per AS1547 are especially important in these soil types. Refer AS1547 & AES installation Instructions Total System load - litres / day (Q). 450 l/d **AES System** Extension Area Min Length of AES pipe rows to treat loading 5.9 lm Lth m: (L) Number of FULL AES Pipe lengths per row 2 Ith 0.75 0.15 Total Capacity of AES System pipe in Litres ltr. Depth : Area m2 36.1 DO YOU WISH TO USE CUT LENGTHS OF PIPE IN THIS DESIGN? (ENTER Y) >>Slope percentage must be 0% & infiltration footprint must be level IF YOU WISH TO USE A TRENCH EXTENSION DESIGN OPTION ENTER "Y" Enter Custom Width in AES INFILTRATION FOOT PRINT AREA - L = Q / (DLR x W) Width Minimum AES foot print required . The length & width of excavation required for this design is >> 10.0 A trench design has a max of 2 rows of AES pipes located 300mm from up slope side and centered lenght wise in the trench is better, AES-PIPE AES 3 mtr Lths required lth Digitally signed by AESC **AESC** Couplings required Steve Dennis DN: cn=Steve AESO **AESO** Offset adaptors Dennis, o=Chandar AESODY AES Oxgen demand vent Enviromental. ou=Resign Review. AES-IPB AES 100mm Inspection point base ea email=designreview @enviro-AES Equ **AES Speed Flow Equaliser** septic.com.au, c=AU TOTAL SYSTEM SAND REQUIRED (Guide Only) m3 Date: 2020.05.05 07:48:50 +10'00' PLEASE email your AES CALC and Drawings to DESIGNREVIEW@ENVIRO-SEPTIC.COM.AU Designreview@enviro-septic.com.au > The AES Calculator is a design aid to allow checking of the AES components and configuration and is a guide only. Site and soil conditions referencing the AS 1547 standard are calculated and designed by a Quailified Designer.

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

AES-Design-V8.5-Calculator Copy Right - Chankar Environmental pty ltd 1.11.2015

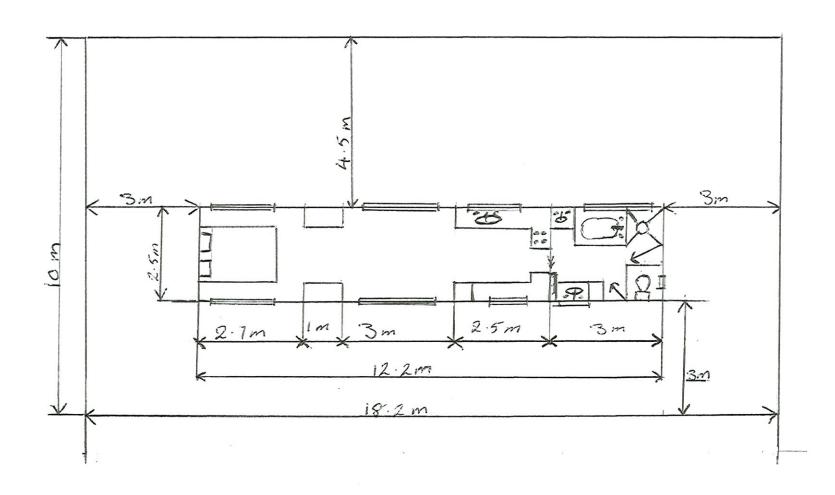
> AES pipes can be cut to lenght on site. They are supplied in 3 meter lths only.

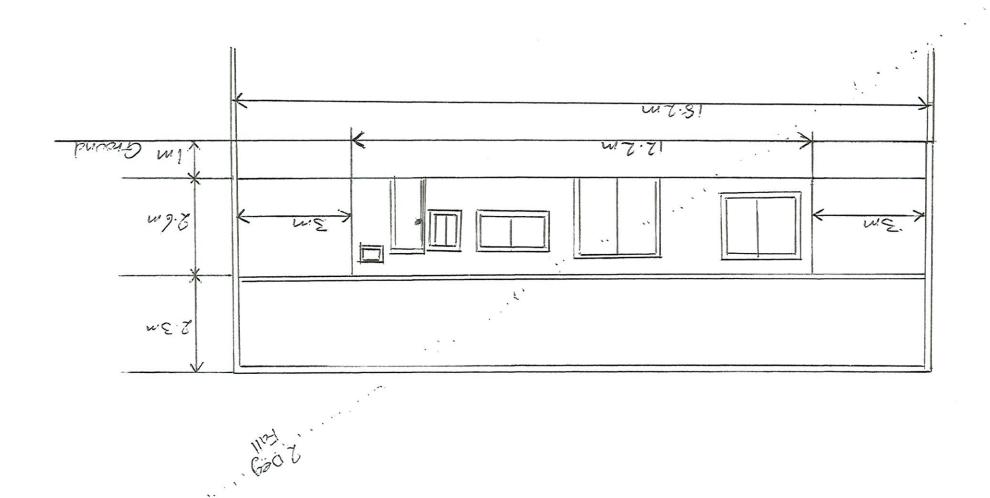


MOI Ground n3.5 W 4.7 WE. w 6.9 mp.ti m.9.1 m.S.2 ادمار ادمار PP 738519 Side Elevation - South 1 mol, mp, m8, m1. Thornton Pool Drive Lovest

Lot 18 Thornton Peak Drive Forest Creek - FLOOR Plan RP 738519

Llon 12m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10ml Scale

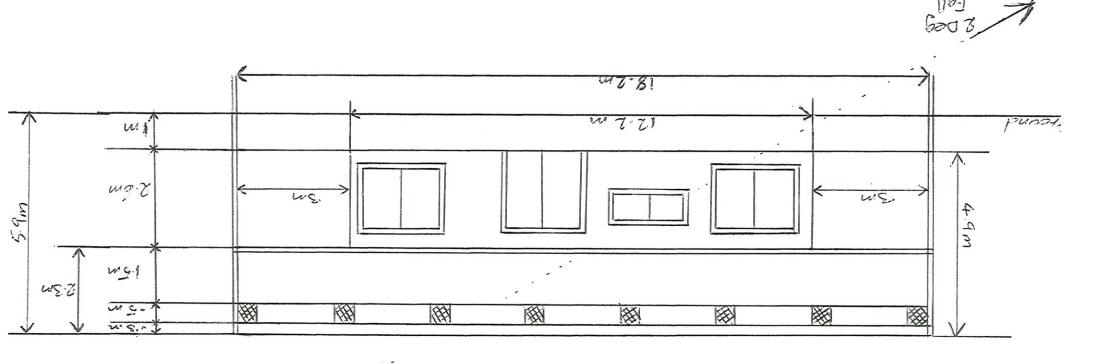




Imol, mp, mg, ms, md, md, mt, mE, ms,

Scale

Lot 18 Thornton Pack Drive Forest Creek - West Elevation



2005

[mol, mp, ms, ml, md, md, mt, ms, ms,

Lot 18 Thornlan Pack Drive Forest creek - Front elevation _ P17885T 9 738519

