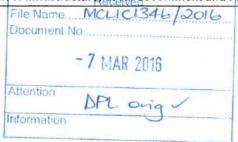
Department of Infrastructure, Local Government and Planning

IDAS form 1—Application details

(Sustainable Planning Act 2009 version 4.2 effective 3 August 2015)

This form must be used for ALL development applications.



You MUST complete ALL questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete this form (IDAS form 1—Application details)
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the Sustainable Planning Act 2009 (SPA) or the Sustainable Planning Regulation 2009.

This form and any other IDAS form relevant to your application must be used for development applications 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*. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

PLEASE NOTE: This form is not required to accompany requests for compliance assessment.

Mandatory requirements

Applicant details (Note: the applicant is the person responsible for making the application and need not be the owner of the land. The applicant is responsible for ensuring the information provided on all IDAS application forms is correct. Any development permit or preliminary approval that may be issued as a consequence of this application will be issued to the applicant.)

Name/s (individual or company name in full)	Greg Sky	ring Design and D	rafting Pty Ltd	
For companies, contact name	Greg Sky	ring		
Postal address	11 Noli Cl	ose		
	Suburb	Mossman		
	State	Qld	Postcode	4873
	Country	Aust		
Contact phone number	07 409820	061		
Nobile number (non-mandatory requirement)				
ax number (non-mandatory requirement)				

40.2016.1346.1

RN 128924



Queensland Sovernment

Email address (non-mandatory requirement)		greg				
	· · · · · · · ·	@skyringdes	esign.com.au			
	licant's reference number (non-mandatory uirement)					
1.	What is the nature of the development p	roposed and s	l what type of approval is being sought?			
Tat	Ne A—Aspect 1 of the application (If there are	additional asp	spects to the application please list in Table B—Aspect 2.)			
a)	What is the nature of the development? (Ple	ase only tick o	one box.)			
	Material change of use Reconfigu	uring a lot	Building work Operational work			
b)	What is the approval type? (Please only tick	one box.)				
		ry approval 41 and s242	Development permit			
c)	Provide a brief description of the proposal, in applicable (e.g. six unit apartment building d	ncluding use de efined as a <i>mu</i>	definition and number of buildings or structures where nulti-unit dwelling, 30 lot residential subdivision etc.)			
	Proposed residence on rural cattle property,	existing shed	j			
d)	What is the level of assessment? (Please onl	y tick one box.)	x.)			
	☐ Impact assessment ☐ Code ass	essment				
	ole B—Aspect 2 of the application (If there are lititional aspects of the application.)	additional asp	spects to the application please list in Table C—			
a)	What is the nature of development? (Please	only tick one b	box.)			
	Material change of use Reconfigu	uring a lot	Building work Operational work			
b)	What is the approval type? (Please only tick	one box.)				
		ry approval 41 and s242	Development permit			
c)	c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a <i>multi-unit dwelling</i> , 30 lot residential subdivision etc.)					
ď)	What is the level of assessment?					
	Impact assessment Code ass	essment				
	ole C—Additional aspects of the application (If		ditional aspects to the application please list in a			
	Refer attached schedule Not requi	-				

2,	Locatio	n of the p	remises (Complet	e Table D	and/or T	able E as a	pplicab	le. Identify	each lot in a separate row.)
adjace	ent to the	e premises	and lot on plan fo (Note: this table is lule if there is insuf	to be use	ed for app	lications in	ss and i volving	ot on plan taking or i	for the land adjoining or nterfering with water.)
	Stre	et address	and lot on plan (Al and lot on plan for water but adjoinin	the land	adjoining	or adjacent	t to the	premises (on. All lots	'Appropriate for must be listed.)
Street	addres					Lot on p	lan		Local government area (e.g. Logan, Cairns)
Lot	Unit no.	Street no.	Street name and suburb/ locality na		Post- code	Lot no.	Plan t	ype lan no.	
i)			Unnamed road, Forest Creek Ro Forest Creek		4873	64	BS6		Douglas
ii)									
iii)	<u> </u>	<u></u>			<u></u>				
			is (If the premises witable. Non-mand		multiple z	ones, clearl	ly identi	fy the rele	vant zone/s for each lot in a
Lot	Applic	able zone / _I	precinct	Applicati	le local pla	an / precinct		Applicat	ole overlay/s
i)	Rural							Refer to	attached report
ii)				<u> </u>					
iii)	<u> </u>								
adjoin	E—Pre	djacent to I	rdinates (Appropria and e.g. channel d	ite for dev Iredging in	relopmen n Moretor	t in remote : Bay.) (Atta	areas, o	over part o	f a lot or in water not nedule if there is insufficient
	dinates : place e	each set of	coordinates in a se	eparate ro	w)	Zone referen	-	atum	Local government area (if applicable)
Eastir	ng .	Northing	Latitude	Lon	gitude				:
	Ī							GDAS	
								WGS	84
		***						other	
3. To	al area	of the pre	mises on which t	he develo	pment is	proposed	(indica	te square	metres)
49920	00m²	···				·			
4. Cu	rrent us	se/s of the	premises (e.g. va	cant land,	house, a	partment bi	uilding,	cane farm	etc.)
Cattle	raising	, existing sl	ned						

Are there any current appromandatory requirement)	vals (e.g. a preliminary approval) associa	ted with this application? (Non-					
No Yes—provide o	No ☐ Yes—provide details below						
List of approval reference/s	Date approved (dd/mm/yy)	Date approval lapses (dd/mm/yy)					
6. Is owner's consent required for this application? (Refer to notes at the end of this form for more information.)							
NoYes—complete either Table F,	Table G or Table H as applicable						
Table F							
Name of owner/s of the land	Kevin David Jack	***************************************					
I/We, the above-mentioned owner/s	of the land, consent to the making of this app	plication.					
Signature of owner/s of the land	Kark						
Date 29/2/16							
Table G							
Name of owner/s of the land	·						
The owner's written consent is a	attached or will be provided separately to the	assessment manager.					
Table H							
Name of owner/s of the land							
By making this application, I, the ap	oplicant, declare that the owner has given written	consent to the making of the application.					
7. Identify if any of the following	ng apply to the premises (Tick applicable be	ox/es.)					
Adjacent to a water body, water	ercourse or aquifer (e.g. creek, river, lake, ca	nal)—complete Table I					
On strategic port land under the	ne <i>Transport Infrastructure Act 1994</i> —comple	ete Table J					
In a tidal water area—complet	e Table K						
On Brisbane core port land un	der the Transport Infrastructure Act 1994 (No	table requires completion.)					
On airport land under the Airp	ort Assets (Restructuring and Disposal) Act 2	2008 (no table requires completion)					
Listed on either the Contamina the Environmental Protection	ated Land Register (CLR) or the Environment Act 1994 (no table requires completion)	tal Management Register (EMR) under					
Table I		-					
Name of water body, watercourse or	aquifer						
Forest Creek							

Table J	, u = .					
Lot on plan description for strategic port land		Port author	rity for the lot			
4.1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						
Table K	· · · · · · · · · · · · · · · · · · ·					
Name of local government for the tidal area (if	f applicable)	Port author	ority for the tidal area (if applicable)			
Are there any existing easements on water etc)	the premises?	(e.g. for vehic	ular access, electricity, overland flow,			
No Yes—ensure the type, local	tion and dimension	on of each eas	sement is included in the plans submitted			
Does the proposal include new build services)	ling work or ope	rational wor	k on the premises? (Including any			
☐ No ☐ Yes—ensure the nature, loc	cation and dimen	sion of propos	sed works are included in plans submitted			
10. Is the payment of a portable long serend of this form for more information.)	rvice leave levy	applicable to	this application? (Refer to notes at the			
No—go to question 12 Yes	111-11					
11. Has the portable long service leave I information.)	levy been paid?	(Refer to note	es at the end of this form for more			
☐ No						
Yes—complete Table L and submit with receipted QLeave form	this application t	he yellow loca	al government/private certifier's copy of the			
Table L						
Amount paid		Date paid (dd/mm/yy)	QLeave project number (6 digit number starting with A, B, E, L or P)			
12. Has the local government agreed to section 96 of the Sustainable Planni.	12. Has the local government agreed to apply a superseded planning scheme to this application under section 96 of the Sustainable Planning Act 2009?					
⊠ No						
Yes—please provide details below						
Name of local government	Date of written to by local governit (dd/mm/yy)		Reference number of written notice given by local government (if applicable)			

13. List below all of the forms and supporting information that accompany this application (include all IDAS forms, checklists, mandatory supporting information etc. that will be submitted as part of this application)

Description of attachment or title of attachment	Method of lodgement to assessment manager
Idas forms 1 and 5	Hard copy
Planning Report, dated 7.03.16	Hard copy
Building Plans by Greg Skyring Design and Drafting, sheets 1-3, dated 7.03.16	Hard copy
Waste water report by Earth Test, report no SI 041-16, dates Feb 2016	Hard copy

14. Applicant's declaration

By making this application, I declare that all information in this application is true and correct (Note: it is unlawful to provide false or misleading information)

Notes for completing this form

Section 261 of the Sustainable Planning Act 2009 prescribes when an application is a properly-made application.
 Note, the assessment manager has discretion to accept an application as properly made despite any non-compliance with the requirement to provide mandatory supporting information under section 260(1)(c) of the Sustainable Planning Act 2009

Applicant details

Where the applicant is not a natural person, ensure the applicant entity is a real legal entity.

Question 1

Schedule 3 of the Sustainable Planning Regulation 2009 identifies assessable development and the type of
assessment. Where schedule 3 identifies assessable development as "various aspects of development" the
applicant must identify each aspect of the development on Tables A, B and C respectively and as required.

Question 6

• Section 263 of the Sustainable Planning Act 2009 sets out when the consent of the owner of the land is required for an application. Section 260(1)(e) of the Sustainable Planning Act 2009 provides that if the owner's consent is required under section 263, then an application must contain, or be accompanied by, the written consent of the owner, or include a declaration by the applicant that the owner has given written consent to the making of the application. If a development application relates to a state resource, the application is not required to be supported by evidence of an allocation or entitlement to a state resource. However, where the state is the owner of the subject land, the written consent of the state, as landowner, may be required. Allocation or entitlement to the state resource is a separate process and will need to be obtained before development commences.

Question 7

 If the premises is listed on either the Contaminated Land Register (CLR) or the Environmental Management Register (EMR) under the Environmental Protection Act 1994 it may be necessary to seek compliance assessment. Schedule 18 of the Sustainable Planning Regulation 2009 identifies where compliance assessment is required.

Question 11

- The Building and Construction Industry (Portable Long Service Leave) Act 1991 prescribes when the portable long service leave levy is payable.
- The portable long service leave levy amount and other prescribed percentages and rates for calculating the levy are prescribed in the Building and Construction Industry (Portable Long Service Leave) Regulation 2002.

Question 12

- The portable long service leave levy need not be paid when the application is made, but the Building and
 Construction Industry (Portable Long Service Leave) Act 1991 requires the levy to be paid before a development
 permit is issued.
- Building and construction industry notification and payment forms are available from any Queensland post office or agency, on request from QLeave, or can be completed on the QLeave website at www.qleave.qld.gov.au. For further information contact QLeave on 1800 803 481 or visit www.qleave.qld.gov.au.

Privacy—The information collected in this form will be used by the Department of Infrastructure, Local Government and Planning (DILGP), assessment manager, referral agency and/or building certifier in accordance with the processing and assessment of your application. Your personal details should not be disclosed for a purpose outside of the IDAS process or the provisions about public access to planning and development information in the *Sustainable Planning Act 2009*, except where required by legislation (including the *Right to Information Act 2009*) or as required by Parliament. This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

FFICE USE ONLY					
Date received		Reference m	ımbers		
OTIFICATION OF ENGA	GEMENT OF A PRIVA	TE CERTIFIER			
То			ve been engage referred to in th	d as the private ce ils application	rtifier for the
Date of engagement N	lame		BSA Certificati number		Building classification/s
LEAVE NOTIFICATION	AND PAYMENT (For o	completion by as	sessment man	ager or private ce	ertifier if
Description of the work	QLeave project number	Amount paid (\$)	Date paid	Date receipted form sighted by assessment manager	Name of office who sighted the

The Sustainable Planning Act 2009 is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

IDAS form 5—Material change of use assessable against a planning scheme

(Sustainable Planning Act 2009 version 3.1 effective 3 August 2015)

This form must be used for development applications for a material change of use assessable against a planning scheme.

You MUST complete ALL questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- · complete IDAS form 1-Application details
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* (SPA) or the Sustainable Planning Regulation 2009.

This form must also be used for material change of use on 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* that requires assessment against the land use plan for that land. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

Mandatory requirements							
1. Describe the proposed us of IDAS form 1—Application	e. (Note: this 1 details: Atta	is to provide ad ch a separate so	ditional detail to the info chedule if there is insuffi	rmation provided cient space in this	in question 1 s table.)		
General explanation of the proposed use		(include each in a new row)	No. of dwelling units (if applicable) or gross floor area (if applicable)	Days and hours of operation (if applicable)	No. of employees (if applicable)		
New House	house		173m²				
							
					ļ		
2. Are there any current approvals associated with the proposed material change of use? (e.g. a preliminary approval.)							
No ☐ Yes—provide details below							
List of approval reference/s		Date approved	(dd/mm/yy) Da	ate approval lapse	es (dd/mm/yy)		



		0.000 (000.000 000.000 (000.000	on very horizon			
3.	Does the proposed use involve the following?	(TJCK	all applic	able box	(es.)	
Th	e reuse of existing buildings on the premises		No	\boxtimes	Yes	
Nε	ew building work on the premises		No	\boxtimes	Yes	
Th	e reuse of existing operational work on the premises		Yes			
Nε	ew operational work on the premises	\boxtimes	No		Yes	
Ma	andatory supporting information					
4.	Confirm that the following mandatory supporti	ng ini	ormatio	n accor	npanies this applic	ation
Mandatory supporting information					Confirmation of lodgement	Method of lodgement
AI.	applications					
A :	site plan drawn to an appropriate scale (1:100, 1:200 c commended scales) which shows the following:	r 1:50	00 are		⊠ Confirmed	Hard copy
• • • • • • • • • • • • • • • • • • • •	the location and site area of the land to which the apple (relevant land) the north point the boundaries of the relevant land any road frontages of the relevant land, including the the location and use of any existing or proposed build on the relevant land (note: where extensive demolitio are proposed, two separate plans [an existing site plan] may be appropriate) any existing or proposed easements on the relevant function the location and use of buildings on land adjoining the all vehicle access points and any existing or propose on the relevant land. Car parking spaces for persons any service vehicle access and parking should be cle for any new building on the relevant land, the location the location of any proposed retaining walls on the re height the location of any proposed landscaping on the relevant location of any stormwater detention on the relevant	name dings on or n an and land a e rele d car with c early n of re levant vant la	e of the re or structi new build d propose and their vant land parking a disabilitie narked fuse stor t land an and	oad ires ings ed site areas s and rage d their		
A statement about how the proposed development addresses the local government's planning scheme and any other planning instruments or documents relevant to the application.					Confirmed	Hard copy
A statement about the intensity and scale of the proposed use (e.g. number of visitors, number of seats, capacity of storage area etc.).				nber	Confirmed	Hard copy
Inf	ormation that states:				Confirmed	Hard copy
•	the existing or proposed floor area, site cover, maxim storeys and maximum height above natural ground le new buildings (e.g. information regarding existing buil reused)	vel fo Idings	r existing but not l	or peing	Not applicable	
•	the existing or proposed number of on-site car parkin vehicle cross-over (for non-residential uses) and vehicle arrangement (for non-residential uses).					

A statement addressing the relevant part(s) of the S Assessment Provisions (SDAP).	Confirmed Not applicable							
When the application involves the reuse of existing buildings								
Plans showing the size, location, existing floor area, existing site cover, existing maximum number of storeys and existing maximum height above natural ground level of the buildings to be reused.								
When the application involves new building work	When the application involves new building work (including extensions)							
Floor plans drawn to an appropriate scale (1:50, 1:1 recommended scales) which show the following:	00 or 1:200 are	□ Confirmed	Hard copy					
 the north point the intended use of each area on the floor plan (or mixed use developments only) the room layout (for residential development only labelled the existing and the proposed built form (for extended the gross floor area of each proposed floor area 	·							
Elevations drawn to an appropriate scale (1:100, 1:2 recommended scales) which show plans of all build facades, clearly labelled to identify orientation (e.g. r	Confirmed	Hard copy						
Plans showing the size, location, proposed site covenumber of storeys, and proposed maximum height a of the proposed new building work.	Confirmed Not applicable	Hard copy						
When the application involves reuse of other ex	isting work	•						
Plans showing the nature, location, number of on-si existing area of landscaping, existing type of vehicu residential uses), and existing type of vehicular serv residential uses) of the work to be reused.	Confirmed Not applicable	Hard copy						
When the application involves new operational v	vork							
Plans showing the nature, location, number of new on-site car parking bays, proposed area of new landscaping, proposed type of new vehicle cross-over (non-residential uses), proposed maximum new vehicular servicing arrangement (non-residential uses) of the proposed new operational work.								
Privacy—Please refer to your assessment manager, referral agency and/or building certifier for further details on the use of information recorded in this form.								
OFFICE USE ONLY								
Date received Reference numbers								

The Sustainable Planning Act 2009 is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

GREG SKYRING Design

DRAFTING and

ATF THE SKYRING FAMILY TRUST ABN 78 409 217 980

The Manager, Planning Services, Cairns Regional Council, PO Box 723. Mossman QLD 4873

7th March 2016

Dear Sir/Madam,

RE: DEVELOPMENT PERMIT for a MATERIAL CHANGE OF USE for a House on land described as Lot 64 on BS6, off Forest Creek Road, Forest Creek

Please find attached IDAS Forms 1 and 5 duly completed, plans showing details of the proposed buildings, and a waste water report.

The proposed development activity is Code Assessable under the 2008 Douglas Shire Planning Scheme, and the following report provides supporting information to show compliance or otherwise with the planning area and codes within.

1.0 **General Details**

Applicant and Contact

Greg Skyring,

Greg Skyring Design and Drafting Pty Ltd

11 Noli Close,

Mossman QLD 4873

Ph 07 40982061 Fax 07 40982061

Email greg@skyringdesign.com.au

Registered Owner of Land

Kevin Jack

Real Property Description

Lot 64 BS6

Location

Unnamed road (off Forest Creek Road), Forest

Creek

Email: greg@skyringdesign.com.au

1.0 - General Details continued

Tenure

Freehold

Land Area

49.92ha

Present Use

rural - cattle grazing, exist 18m x 12m shed

Contaminated Lands or Environmental

Management Registers

Nil

Easements and Encumbrances

None

Local Government Authority

Douglas Shire Council

Planning Scheme

2008 Douglas Shire Planning Scheme

Planning Area

Rural

Applicable Codes

Settlement Areas North of the Daintree River

Locality Code

Rural Planning Area Code Land Use Code - House

Applicable Overlays

Natural Areas and Scenic Amenity Code, See also 'Summary' at end of report.

2.0 <u>Assessment Against the Douglas Shire Planning Scheme Codes</u>

SETTLEMENT AREAS NORTH OF THE DAINTREE RIVER LOCALITY CODE

Elements of the Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P1 The Height of Buildings and	A1.1 In the Planning Areas in	The proposed house and exist
structures is subservient to the	this Locality the maximum	shed are single storey and no
surrounding environment and is	Height of Buildings/structures is	greater than 6.0m in overall
in keeping with the unique	6.5 metres and 2 Storeys. In	height
character of the Locality.	addition, the roof or any	
	ancillary roof features do not	
	exceed a maximum Height of 3.5	;
	metres.	
P2 Development is connected to	A2.1 Water storage is provided	The property is already provided
sustainable on Site infrastructure	in tank/s with a minimum	with an excess of 30,000 litre
services.	capacity to service the proposed	storage available in water tanks
	use, including fire fighting	supplied from available roof
	capacity, and Access to the	areas, and a bore.
	tank/s for fire trucks. Tank/s to	

	be fitted with a 50 mm ball valve	· · ·
	with a camlock fitting and	
	installed and connected prior to	
	occupation and sited so as to be	
	visually unobtrusive. Water	
	storage tanks are to be fitted with	
	screening at the inlet to prevent	
	the intrusion of leaves and	
	insects.	
	A2.2 On any roof exceeding 100	Complies
	m2, gutters are installed and the	_
	flow diverted to a storage tank.	
	A2.3 An environmentally	Underground power will be
•	acceptable and energy efficient	provided from the closest off
	power supply is constructed,	property source
	installed and connected prior to	property bourde
	occupation and sited so as to be	
	screened from the road.	
	(Information that the Council	
	l `	
	may request to demonstrate	
	compliance with the	
	Performance Criteria is outlined	
	in Planning Scheme Policy No	
	10 – Reports and Information the	
	Council May Request, for code	
	and impact assessable	
	development).	
P3 Onsite wastewater does not	No Acceptable Solution.	A waste water disposal report is
adversely impact on the	(Information that the Council	attached, indicating that the
environmental quality of the	may request to demonstrate	Owner preferred option of a
water and soil resources or the	compliance with the	"Advanced Enviro-Septic"
amenity of residents, through the	Performance Criteria is outlined	septic tank and trenching is an
implementation of best	in Planning Scheme Policy No	acceptable solution.
environmental practice.	10 – Reports and Information the	1
on thomas process.	Council May Request, for code	
	and impact assessable	
	development).	
DA The sustainability of the	A4.1 If groundwater is to be	Cattle are provided with bore fed
P4 The sustainability of the natural water resources of the	_	drinking troughs in lieu of access
	used development is limited to one bore per site and the bore is:	
area is protected for ecological	, <u>-</u>	to adjacent creeks.
and domestic consumption	- not located within 100m of a	
purposes.	septic disposal trench (on the site	
	or adjoining sites: and	
	-not located within 100 m of	
	another bore	1
	A4.2 Surface water is to be used	
	for domestic purposes only.	
		

P5 Development does not adversely impact on areas of sensitive natural vegetation, foreshore areas, Watercourses and areas of tidal inundation which contribute to the Scenic Amenity and the natural values of the Locality5. P6 Development is subservient	No Acceptable Solution. (Information that the Council may request to demonstrate compliance with the Performance Criteria is outlined in Planning Scheme Policy No 10 – Reports and Information the Council May Request, for code and impact assessable development). A6.1 The exterior finishes and	Complies Medium colors will be used
to the surrounding natural environment in scale and intensity and is designed to be energy efficient and functional in a humid tropical rainforest environment.	colours of Buildings are non- reflective and complement the colours of the surrounding vegetation and viewshed. A6.2 Buildings must be designed such that natural light is maximized and the need for internal lighting during daylight hours is minimized.	Large windows and doors have been located to all walls
	A6.3 The development incorporates building design features and architectural elements detailed in Planning Scheme Policy No 2 – Building Design and Architectural Elements.	Complies
	A6.4 The noise of generators is controlled by design or the generator is enclosed in a sound insulated building with a residential approved muffler. The noise level generated is less than 65 dBA when measured from a distance of 7 metres. A6.5 Any fuel storage associated with an on site generator and storage of 20 Litres or more of fuel is enclosed in a building and bunded.	Mains power will be used, therefore no generators will be required other than during power outages.
P7 Landscaping of development Sites ensures the native landscape character of the Locality is dominant.	A7.1 Landscaping utilises only native species and complies with the requirements of Planning Scheme Policy No 7 – Landscaping. AND All of the existing Landscaping to be retained and all of the proposed Landscaping is 100% endemic or native species and the details are provided on a Landscape Plan	N/A

P8 Site Access driveways and Roads within the Locality are retained as safe, slow speed, scenic drives.	A8.1 Site Access driveways and existing or proposed Roads comply with the relevant requirements of Planning Scheme Policy No 6 – FNQROC Development Manual and are maintained as low speed gravel Roads to maintain the scenic drive experience and to discourage the use of Roads by through-traffic. AND Where existing Roads/tracks are 4 wheel drive only, upgrading to facilitate conventional vehicles and an increase in through-traffic does not occur	The property access road is a single lane gravel road that services 2 residences. The driveway within the property is a max 3m wide with a light gravel overlay and appropriate drainage management.
P9 The onsite impacts on natural	A9.1 Excavation and Fill is kept	Complies – access roads have
flow regimes and erosion and sedimentation are minimised	to a minimum and involves not more than 5% of the cleared area	been in place for decades and perform to an acceptable
scamentation are minimised	of the lot.	standard.
	A9.2 All exposed surfaces must	
	incorporate erosion and sediment	
	controls during construction and	
	must be maintained until	
	revegetation or other permanent stabilization has occurred.	
	A9.3 There is no disturbance to	
	tree roots and trenching does not	
	involve any damage to tree roots.	
	A9.4 On Site drainage and	
	stormwater management:	
	P1 maintains natural flow	
	regimes;	
	P2 minimises impervious surfaces;	
	P3 avoids concentration of	
	flows, but where there is any	
	form of concentration of flow,	
	energy dissipation measures are	
	installed at the outlet to avoid	
	erosion (eg: rock rip rap, gravel	
DIO The land was assisting in	beds, diffusers etc).	N/A
P10 The land use aspirations in any Indigenous Land Use	A10.1 Development is consistent with any ILUA relating to the	INA
Agreement (ILUA) are	land and the relevant provisions	
acknowledged and facilitated.	of the Planning Scheme.	
<u> </u>		

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P11 Development minimises the loss of vegetation and habitat connectivity on Site and is sited to protect the environmental values of the Site6.	A11.1 The elements of development and Access to the site are included in a Designated Development Area (DDA). A11.2 Development is sited in an existing cleared area or in an area approved for Clearing under the Local Law — Vegetation Management but which is not cleared until a Building Permit is issued.	The proposed house is a consistent use in accordance with the assessment table, and is located in an existing clearing.
	A11.3 Any new Clearing is limited to a maximum area of 700 m2 and is sited clear of the High Bank of any Watercourse. (The 700m2 area of new Clearing does not include an access driveway).	
P12 All existing native vegetation on a House Site, other than that required and approved to be cleared to provide for the construction of a House and Access thereto, is protected to ensure the environmental integrity of the Locality.	No Acceptable Solution. (Information that the Council may request to demonstrate compliance with the Performance Criteria is outlined in Planning Scheme Policy No 10 – Reports and Information the Council May Request, for code and impact assessable development).	Complies
P13 Wildlife movement, fauna habitat and habitat corridors are protected and domestic impacts minimised.	A13.1 Fences are limited in extent to the confines of the cleared area around the House and any associated gates are self closing. A13.2 External lighting is to be kept to the minimum necessary for orientation, safety and security. Flood lights must not point up and areas of retained vegetation should, in general, not be illuminated. Where appropriate, outdoor lights are controlled by movement detectors and/or have timers	Complies

P14 House Sites have efficient and safe vehicle Access and maneuvering areas on Site and to the Site to an acceptable standard for the Locality.	one access per lot and sited in an approved location clear of significant vegetation, any	A 3m wide graveled driveway exists and is considered adequate for traffic flow within the property.
--	---	---

NOTE: No further Performance Criteria in this code are relevant to this application

RURAL PLANNING AREA CODE

Consistent and Inconsistent Uses

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P1 The establishment of uses is consistent with the outcomes sought for the Rural Planning Area.	inconsistent uses in the	The proposal of a dwelling and shed is a consistent use.

Good Quality Agricultural Land

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
agricultural uses and	A2.1 Agricultural land is used for agricultural uses in accordance with the classifications of the Agricultural Land Classes identified in the Shire and the requirements of State Planning Policy 1/92 – Development and the Conservation of Agricultural Land.	

Buffering Incompatible Land Uses

	PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
Р3	separate agricultural activities that create odour, excessive noise or	A3.1 A buffer is provided in accordance with the requirements of State Planning Policy 1/92 and Planning Guidelines – Separating Agricultural and Residential Land Uses (DNR 1997).	N/A

Building/Structure Setbacks and Screening

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P4 Buildings/structures are Setback to:	A4.1 Buildings/structures are Setback not less than:	Boundary clearances are shown on the included Site Plan, and are in excess of the minimum
maintain the rural character of the area; and	• 40 metres from the property boundary adjoining a State Controlled Road; or	required.
achieve separation from neighbouring Buildings and from Road Frontages.	• 25 metres from the property boundary adjoining the Cape Tribulation Road; or	
	• 20 metres from the property boundary fronting any other Road; and	
	• 6 metres from the side and rear property boundaries of the Site.	
P5 Rural activities north of the Daintree River are screened to protect the Scenic Amenity of the area.	A5.1 A 10 metre Setback on rural land adjacent to any Road Frontage north of the Daintree River including Dense Planting of the setback area.	N/A - this property fronts no commonly used public road.

Rural Character

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
designed to maintain the rural character of the area.	A6.1 White and shining metallic finishes are avoided on external surfaces of Buildings located in prominent view.	Roof - bush land

Protecting and Enhancing Native Vegetation and Adjacent Environmentally Sensitive Area

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
along Watercourses and or adjacent to areas of environmental value or areas of remnant	A7.1 No Acceptable Solution (Information that the Council may request to demonstrate compliance with the Performance Criteria is outlined in Planning Scheme Policy No 10 – Report and Information the Council May Request, for code and impact assessable development).	No vegetation will be cleared

Sloping Sites

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P8. Building/structures are designed and sited to be responsive to the constraints of sloping Sites.	Erected on land with a maximum	N/A
	Report prepared by a qualified engineer at development application stage.	
	OR	
	Development proposed to be Erected on land with a maximum slope above 33% is accompanied	

P9 The building style and	by a Specialist Geotechnical Report prepared by a qualified engineer at development application stage which includes signoff that the Site can be stabilised. AND Any Building/structures proposed to be Erected on land with a maximum slope above 15% are accompanied by an additional Geotechnical Report prepared by a qualified engineer at building application stage. (Information that the Council may request as part of the Geotechnical Report are outlined in Planning Scheme Policy No 10 — Reports and Information the Council May Request, for code and impact assessable development.) A9.1 A split level building form is	N/A
construction methods used for development on sloping Sites are responsive to the Site constraints.	utilised. A9.2 A single plane concrete slab is not utilised. A9.3 Any voids between the floor of the Building and Ground Level, or between outdoor decks and Ground Level, are screened from view by using lattice/batten screening and/or Landscaping.	
P10 Development on sloping sites minimises any impact on the landscape character of the surrounding area.	A10.1 Buildings/structures are sited below any ridgelines and are sited to avoid protruding above the surrounding tree level.	N/A
P11 Development on sloping sites ensures that the quality and quantity of stormwater traversingthe Site does not ause any detrimental impact to the natural environment or to any other Sites.	A11.1 All stormwater drainage discharges to a lawful point of discharge and does not adversely affect downstream, upstream, underground stream or adjacent properties.	N/A

Sustainable Siting and Design of Houses on land where the Natural Areas and Scenic Amenity Code is triggered

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P12 A House sited on hillside land is sited in an existing cleared area, or in an area approved for Clearing.	A12.1 A House is sited in an existing cleared area or in an area approved for Clearing under the Local Law — Vegetation Management but which is not cleared until development occurs. The Clearing is limited to a maximum area of 800 m2 and is sited clear of the High Bank of any Watercourse. EXCEPT In the World Heritage Areas and Environs Locality and the Settlement Areas North of the Daintree River Locality where the maximum clearing is limited to 700m2. (The 800m2/700m2 area of Clearing does not include an access driveway.) A12.2 The approved area for the Clearing of the House is not cleared until a Building Permit is issued.	N/A
P13 A House sited on hillside land is sited and designed so that it is subservient to the surrounding natural environment.	•	N/A
P14 The exterior finishes of a House complements the surrounding natural environment.	A14.1 The exterior finishes and colours of Building/s are non reflective and complement the colours of the surrounding vegetation and viewshed. AND For self assessable development the exterior colours of Buildings/structures are chosen from the following list of Colourbond Colours: Jasper Sandbank Paperbark Dune Windspray Woodland Grey Bushland	-

	Pale Eucalypt Wilderness Cottage Green Plantation Blue Ridge and Ironstone.	
P15 A House is designed to be energy efficient and functional in a humid tropical rainforest environment.	incorporates building design features and architectural elements	The house will be required to achieve a min 6 star energy rating for building approval.
P16 Any filling and excavation work does not create a detrimental impact on slope stability, erosion potential or Visual Amenity of the Site or the surrounding area.	fill, whether retained or not, does	N/A
P17 The bulk and scale of a House is not visually obtrusive and does not compromise the Visual Amenity of the site and the surrounding area.	A17.1 The Gross Floor Area of the House does not exceed 250m2.	GFA is 123m²

LAND USE CODE

House Code

General

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P1 Buildings on a lot have the	A1.1 A lot contains no more than	One house is proposed.
appearance and bulk of a single	one House,	
House with ancillary	A1.2 Ancillary Outbuildings	The proposed shed has a site
Outbuildings	have a maximum Site Coverage	cover of 0.043%
	of 10% of the balance area of the	
	Site not otherwise taken up by	
	the House.	
P2 The House is used for	A2.1 The House is used by one	One family will be in residence
residential purposes.	Household.	
P3 Resident's vehicles are	A3.1 A minimum of 2 vehicle	Vehicle parking will be located
accommodated on Site and are	spaces are provided on Site and	within the existing shed;
sited to minimise the dominance	may be provided in tandem.	numerous opportunities are
of car accommodation on the	A3.2 At least one garage, carport	available for visitor parking on
streetscape	or designated car space must be	the property.
	located at least 6 metres from the	
	Main Street Frontage.	

NATURAL AREAS AND SCENIC AMENITY CODE

Development in Areas of Natural and Scenic Amenity Value

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P1 Where a development within	A1.1 Buildings/structures Access	All infrastructure relating to this
a DDA triggers this Code, the	Roads/car parking, infrastructure	development is existing. No
natural and environmental values	and landscape/recreation	changes are planned.
of the areas of Remnant	facilities are constructed within	
Vegetation and/or Watercourse/s	the DDA identified on a Site	
are protected from inappropriate	Plan drawn to scale.	
development.	A1.2 Where internal Roads are	
	required to service the	
	development, the Roads are	
	located within a DDA identified	
	on a Site Plan drawn to scale.	
	(Information that the Council	
	may request to demonstrate	
	compliance with the	
	Performance Criteria is outlined	
	in Planning Scheme Policy No 8	
	— Natural Areas and Scenic	
	Amenity and Planning Scheme	
	Policy No 10 – Reports and	
	Information the Council May	
	Request, for code and impact	
	assessable development).	
P2 Development does not	A2.1 Where development	Complies
adversely impact on the natural	occurs, it is located on that part	
and environmental values and	of the Site which poses the least	
Scenic Amenity of areas	threat to the natural and	
identified as Remnant	environmental values and Scenic	
Vegetation and/or	Amenity, for example:	
Watercourse/s.	- adjacent to existing	
	development;	
	- within an existing cleared area;	
	- within a disturbed area with	
	little potential for rehabilitation;	
	- within an area close to an	
	Access Road;	
	- removed from an identified	
	area of important habitat.	a 1:
	A2.2 Development within the	Complies
	DDA is sited to minimise visual	
	intrusion on the Site and the	
	surrounding landscape.	
	A2.3 No continuous boundary	Complies
	fence lines or barriers are	

Erected on an approved development Site within a DDA identified on a Site Plan drawn to scale. A2.4 Infrastructure, such as Complies water mains, sewers, electricity and telecommunication services, is sited underground, wherever reasonable, to protect Scenic Amenity, and is located within a DDA on a Site Plan drawn to scale. A2.5 Internal Roads associated Complies with the development are designed and constructed to achieve a low speed environment. A2.6 Roads and infrastructure Complies services do not cross the Setback area/riparian corridor; or if this is not possible, the number of crossings is minimised. A2.7 Setback areas/riparian Complies corridors are provided in accordance with A4.1, A4.2, A4.3 and A4.4 below; AND The lowest intensity of development occurs adjacent to any Setback area/riparian corridor, and in the case of reconfiguration, larger lots are located adjacent to any Setback area/riparian corridor. A2.8 There is no fragmentation Complies or alienation of any Remnant Vegetation. A2.9 Any natural, environmental Complies or Scenic Amenity value of any

balance area outside the DDA is

protected

Setback Areas/Riparian Corridors

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P4 Setback areas/riparian	A4.1 For residential	As there will be no changes to
corridors adjacent to	reconfiguration	the current property use, other
Watercourses are	(Residential 1, Residential 2 or	than the construction of a new
provided/maintained or re-	Rural Settlement Planning Area),	house, or removal of remnant
established and revegetated	Aquaculture, Tourist Activities,	vegetation, there will be no
with species endemic to the	Industrial Activities and other	change to the impact on the
local area.	large scale developments or	adjacent watercourse.
	development likely to have an	
	impact on water quality of	·
	adjacent Watercourse/s any	
	degraded sections of the Setback	
1	area/riparian corridor are	
	revegetated with endemic	
	species typical of the riparian	
	corridor in the area.	
	A4.2 Revegetation occurs in	N/A
	accordance with a Landscape	17/13
	Plan prepared by a suitably	
	qualified professional in	
	compliance with the	
	requirements of Planning	
	Scheme Policy No 8 – Natural	
	Areas and Scenic Amenity,	
	Landscaping Code and Planning	
	Scheme Policy No 7 –	
	Landscaping.	
	A4.3 The minimum width of the	The proposed house is approx
	Setback area/riparian corridor,	35m to the edge of remnant
	measured out from the shoulder	vegetation, and a min 45m to the
	of each high bank, for the	approx centerline of the creek,
	respective categories of	which will equate to a setback
	Watercourses, where a riparian corridor of vegetation already	distance from the high bank to
	exists is:	comply with a Cat 1
	• Category 1 –	watercourse.
	Major Perennial Watercourse –	
	30 metres	
	Category 2 —	
	Perennial Watercourse – 20	
	metres	
	Category 3 —	
	Minor Perennial - 10 metres,	
	•	

	AND	
	buildings are sited clear of the	
	Setback area/riparian corridor, in	
	accordance with the relevant	
	Setbacks outlined above.	
	OR	
	The minimum width of the	
	Setback area/riparian corridor,	
	measured out from the shoulder	
	of each high bank, for the	
	respective categories of	
	Watercourses, where no riparian	
·	corridor of vegetation already	
	exists is:	
	• Category 1 –	
	Major Perennial Watercourse –	
	10 metres	
	P1 Category 2 –	
	Perennial Watercourse – 5	
	metres	
	- Category 3 –	
	Minor Perennial – 2.5 metres,	
	AND	
	buildings are sited clear of the	
	Setback area/riparian corridor, in	
	accordance with the relevant	
	Setbacks above.	
	A4.4 Native vegetation within	Complies
	the Setback area/riparian	
	corridor, other than identified	
	noxious and environmental	
<u> </u>	weeds, is retained.	

Use of Setback Areas/Riparian Corridors

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P5 Any use of a Setback	A5.1 Only low key, passive, low	N/A
area/riparian corridor does not	impact recreational facilities,	
adversely affect the integrity of	including pedestrian and cycle	
the Setback area/riparian	paths or boardwalks, are located	
corridor.	within the Setback area/riparian	
	corridor.	
	A5.2 The location of low key,	N/A
	passive, low impact recreational	
	facilities, including pedestrian	

 and ariala matha an hand	
and cycle paths or boardwalks	
within the Setback area/riparian	
corridor, does not affect	
the connectivity function and	
landscape/environmental or	
Scenic Amenity values of the	
 Setback area/riparian corridor.	

Retaining and Protecting Highly Visible Areas

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
P6 Any development sited	A6.1 Land with a slope greater	N/A
wholly or partially on land with a	than 15% and including Remnant	
slope greater than 15% protects	Vegetation remains undeveloped	
the Scenic Amenity values of the	and in its natural	
land from inappropriate and	state.	
visually prominent	A6.2 Any development remains	N/A
development.	unobtrusive and sited below the	
	tree line and ridge line.	
	(Information that the Council	
	may request to demonstrate	
	compliance with the	
	Performance Criteria is	
	outlined in Planning Scheme	
	Policy No 8 – Natural Areas and	
	Scenic Amenity and Planning	
	Scheme Policy No 10 –	
	Reports and Information the	
	Council May Request, for code	
	and impact assessable	
	development).	

Overlay Codes - Not Applicable

Acid Sulfate Soils Code

Site elevation is approximately 7m, but no earthworks are required other than proof rolling.

Cultural Heritage and Valuable Sites Not identified on Overlay

Natural Hazards

House location is identified on overlay as low risk

General Codes - Not Applicable

Landscaping

An uninterrupted view of the property and animals is considered an important aspect of the operation of this property.

Buildings on this property are approximately 1km from the closest public road (Forest Creek Road), and 300m from the nearest adjacent house, which is also on a same use property. These distances should pose no privacy issues.

For these reasons landscaping is not proposed; therefore this Code is considered not applicable.

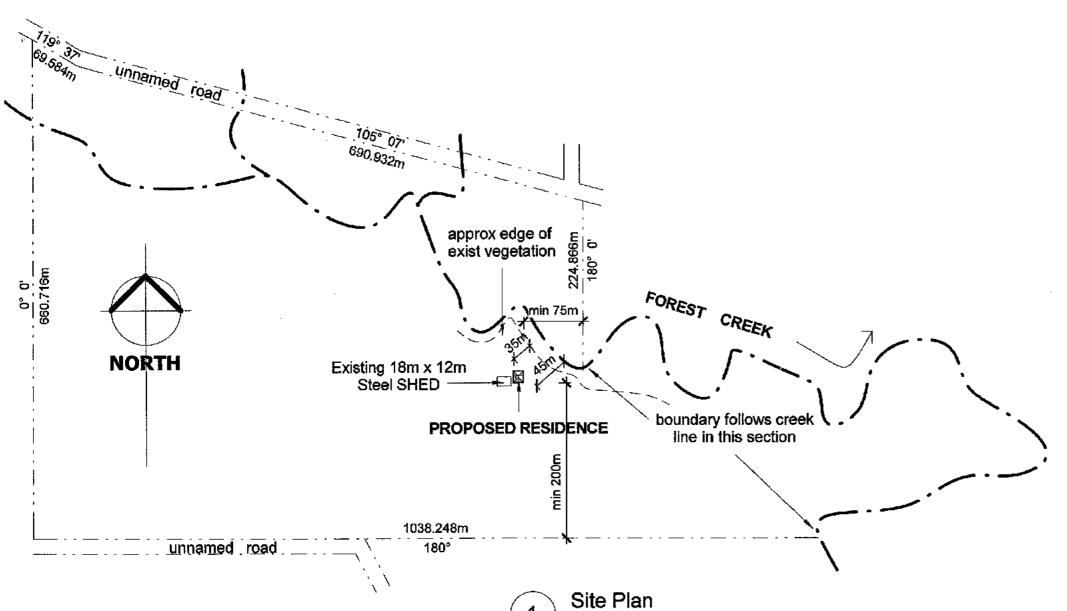
Vehicle Parking and Access

Car parking available on-site is in excess of that required under Schedule 1 of this Code for a house.

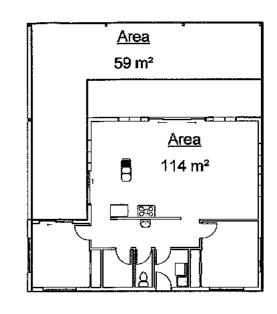
Conclusion

The development application seeks a Development Permit for Material Change of Use for the purpose of a single dwelling house on land described as Lot 64 BS6, unnamed road (off Forest Creek Road), Forest Creek.

The proposed development is considered generally consistent with the relevant Planning Scheme Codes and the surrounding locality. The report includes supporting information intended to address any concerns of Council as the assessing authority.



1:5000



2 Area Plan 1:200

GROSS FLOOR AREAS

GFA House - 114m²
GFA Patio - 59m²
(>3m from ext walls)
TOTAL GFA - 173m²

BUILDING AREAS

House - 173m² Shed - 216m² TOTAL - 389m²

Allot Area - 49.92ha Site Cover - 0.078%

	Sheet List
Sheet Number	Sheet Name
1 of 3	Site Plan, Area Plan, Sheet List
2 of 3	Floor Plan
3 of 3	Elevations



3 Locality Plan NTS

GREG SKYRING Design and DRAFTING Pty. Ltd.

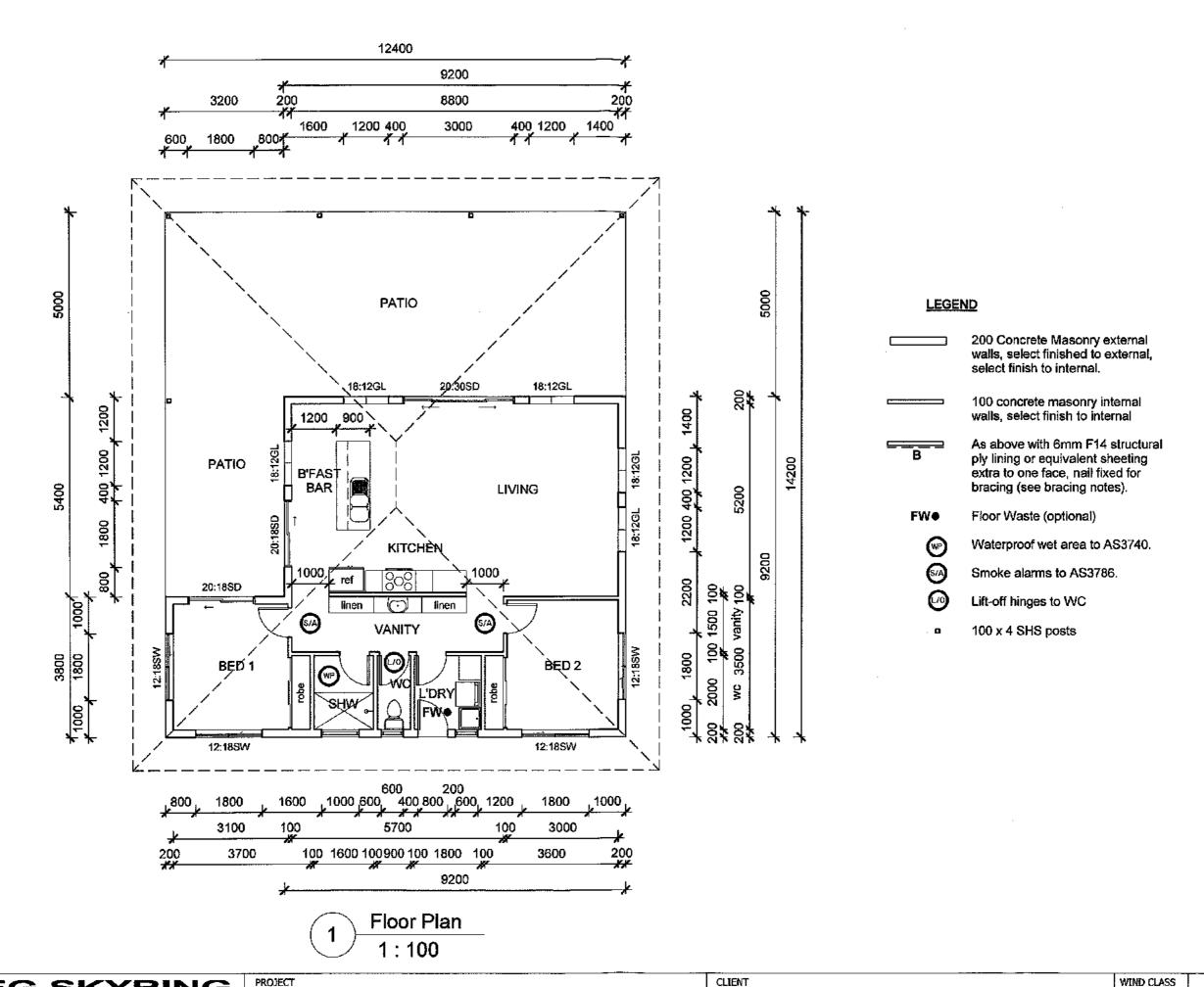
Lic Under QBSA Act 1991 - No 1040371

11 Noli Close, Mossman Q. 4873 Phone/Fax: (07) 40982061 Mobile: 0419212652 Email: greg@skyringdesign.com.au Proposed Residence, Off Forest Creek Road, L64 BS6,

FOREST CREEK

SCA
300

CLIENT K. Jack		WIND CLASS C2	PLAN NUMBER 102-16	1 of 3	
SCALES	PLAN TITLE		DATE OF ISSUE	REV	_
As indicated	Site Plan, Area Plan, Sheet List		7.03.16		

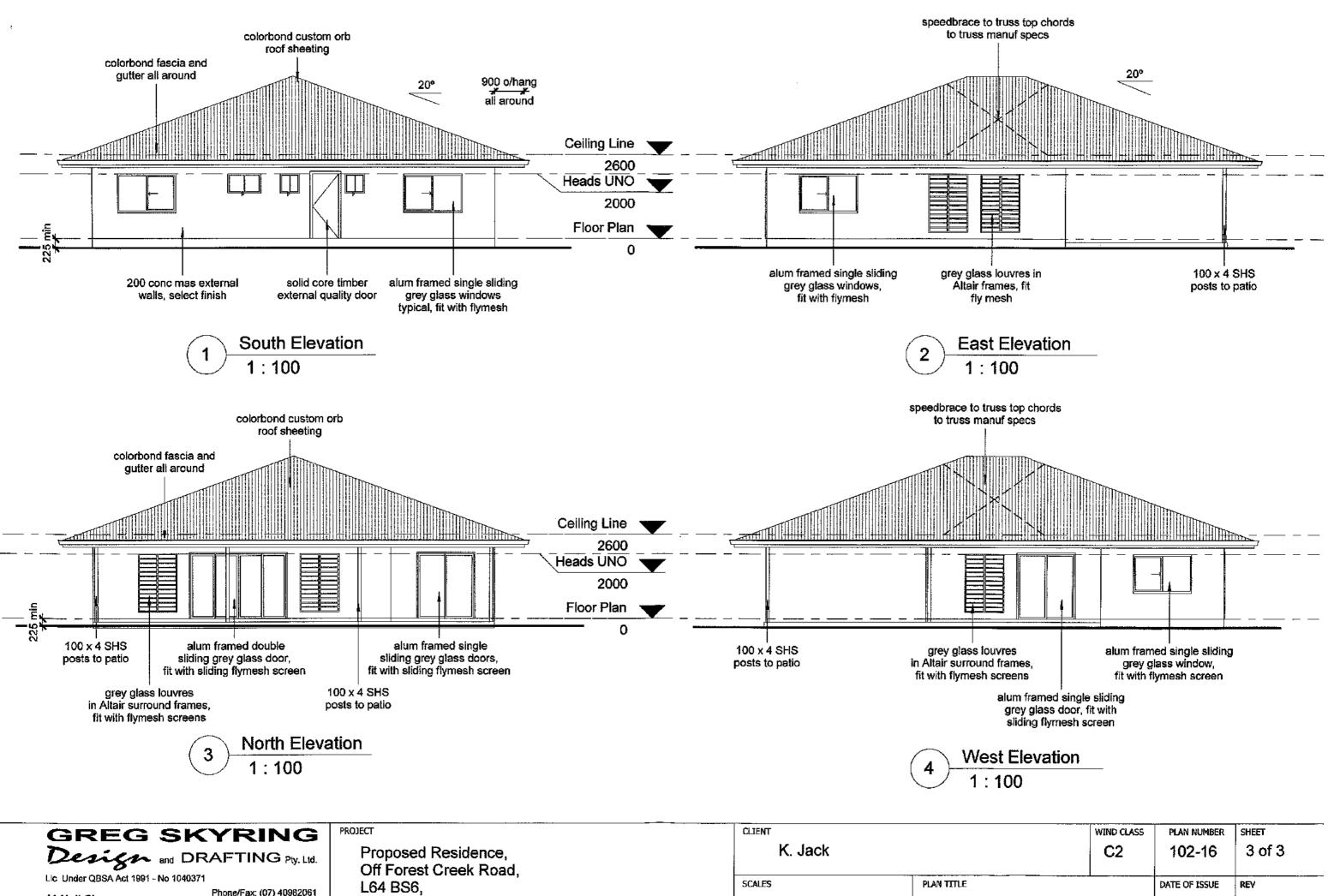


GREG	SKYRING
Design	and DRAFTING Pty. Ltd.

Lic Under QBSA Act 1991 - No 1040371

11 Noli Close, Mossman Q. 4873 Phone/Fax: (07) 40982061 Mobile: 0419212652 Email: greg@skyringdesign.com.au Proposed Residence, Off Forest Creek Road, L64 BS6, FOREST CREEK

CLIENT		WIND CLASS	PLAN NUMBER	SHEET
K. Jack		C2	102-16	2 of 3
SCALES	PLAN TITLE		DATE OF ISSUE	REV
1 : 100	Floor Plan		7.03.16	



11 Noli Close, Mossman Q. 4873

Mobile: 0419212652 Email: greg@skyringdesign.com.au L64 BS6, **FOREST CREEK**

	C2	102-16	3 of 3
PLAN TITLE		DATE OF ISSUE	REV
Elevations		7.03.16	
		PLAN TITLE	C2 102-16 PLAN TITLE DATE OF ISSUE



Site Classification

And

Wastewater Management System

For

Kevin Jack

At

Lot 64 Forest Creek Road

Forest Creek



QBSA Lic No. 1017941.

INTRODUCTION:

Earth Test has been engaged by Kevin Jack to assess, design and report on Site Classification and a Domestic Wastewater Management System at Lot 64 Forest Creek Road, Forest Creek. Real Property Description:-

Lot 64, on BS6

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 February 2016.

SITE FACTORS:

The site was identified by its street address.

A photograph is included as part of this report to confirm the identity of the site.

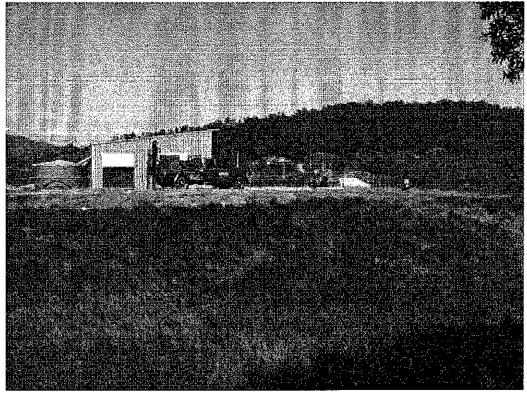
The Lot is 49.9 hectares and is covered with pasture with a less than 1 degree slope falling to the North East.

The water supply to the site is bore water.

Some cobbles are present in a previously filled level pad.

Two Dynamic Cone Penetrometer tests were performed at locations DCP1 and DCP2, one borehole BH1 and one permeability test P1 as shown on the site plan.

Atterberg Limits tests were performed on disturbed samples from Borehole1.



BH1 being drilled at Lot 64 Forest Creek Road, Forest Creek

Ph: 4095 4734 Page 1 Feb-16 SI 041-16Report.doc



QBSA Lic No. 1017941.

SITE INVESTIGATION REPORT

BOREHOLE LOG

CLIENT: Kevin Jack.

DATE SAMPLED: 17/02/2016

PROJECT: Lot 64 Forest Creek Road, Forest Creek.

Sampled by: L. Quinn

REPORT DATE: 29/02/2016

BOREHOLE No: BH1

DEPTH m)	DESCRIPTION	COMMENTS
0.0-0.8 0.8-2.0	Orange-Brown Clayey-Silt with Gravel (Fill) Yellow-Brown Clayey-Silt	Disturbed sample 0.4- 0.7m and 0.9-1.2m. Water table not encountered



QBSA Lic No. 1017941.

ATTERBERG LIMITS TEST REPORT

CLIENT: Kevin Jack

SAMPLE No: SI 041-16

PROJECT: Lot 64 Forest Creek Road, Forest Creek

DATE SAMPLED: 17/02/2016

SAMPLE DETAILS: BH1 0.4-0.7m

Sampled by: L. Quinn

REPORT DATE: 29/02/2016

Tested By: G. Negri

TEST METHOD	RESULT
Liquid Limit: AS 1289.3.1.2-2009	33%
Plastic Limit: AS 1289.3.2.1-2009	23%
Plasticity Index: AS 1289.3.3.1-2009	10%
Linear Shrinkage: AS 1289.3.4.1-2008	7.0%
Length Of Mould:	250.2mm
Cracking, Crumbling, Curling, Number Of Breaks:	Nil
Sample History:	Air Dried
Preparation Method:	Dry Sieved
Insitu Moisture Content:	7.6%



QBSA Lic No. 1017941.

ATTERBERG LIMITS TEST REPORT

CLIENT: Kevin Jack

SAMPLE No: SI 041-16

PROJECT: Lot 64 Forest Creek Road, Forest Creek

DATE SAMPLED: 17/02/2016

SAMPLE DETAILS: BH1 0.9-1.2m

Sampled by: L. Quinn

REPORT DATE: 29/02/2016

Tested By: G. Negri

TEST METHOD	RESULT
Liquid Limit: AS 1289.3.1,2-2009	31%
Plastic Limit: AS 1289.3.2.1-2009	21%
Plasticity Index: AS 1289.3.3.1-2009	10%
Linear Shrinkage: AS 1289.3.4.1-2008	7.0%
Length Of Mould:	250.3mm
Cracking, Crumbling, Curling, Number Of Breaks:	Two Breaks
Sample History:	Air Dried
Preparation Method:	Dry Sieved
Insitu Moisture Content:	17.5%

Ph: 4095 4734



QBSA Lic No. 1017941.

DYNAMIC CONE PENETROMETER REPORT AS 1289.6.3.2

CLIENT: Kevin Jack

SAMPLE No: SI 041-16

PROJECT: Lot 64 Forest Creek Road, Forest

DATE SAMPLED: 17/02/2016

Creek.

SAMPLE DETAILS: Sites "DCP1 & DCP2" as per Tested By: L. Quinn & P. Weigand

site plan,

REPORT DATE: 29/02/2016

DEPTH	Site: DCP1	Site: DCP2
(Metres)	No. of Blows	No. of Blows
0.0 - 0.1	8	9
0.1 - 0.2	6	10
0.2 - 0.3	4	6
0.3 - 0.4	3	5
0.4 - 0.5	2	4
0.5 - 0.6	1	4
0.6 - 0.7	4	3
0.7 - 0.8	2	3
0.8 - 0.9	2	3
0.9 - 1.0	3	2
1.0 - 1.1	2	2
1.1 – 1.2	2	2
1.2 – 1.3	2	3
1.3 – 1.4	3	2
1.4 – 1.5	3	2
1.5 – 1.6	3	4
1,6 – 1,7	2	5
1.7 – 1.8	4	6
1.8 – 1.9	5	6
1.9 – 2.0	6	4
2.0 - 2.1	5	5
2.1 – 2.2	4	6
2.2 – 2.3	5	7
2.3 – 2.4	7	5
2.4 – 2.5	4	5
2.5 - 2.6	4	8
2.6 – 2.7	3	8
2.7 - 2.8	4	8
2.8 – 2.9	3	9

SITE CLASSIFICATION

Lot 64 Forest Creek Road, Forest Creek.

The Dynamic Cone Penetrometer test results indicate extremely soft conditions to depths of approximately 1.3m at DCP1 and 1.5m at DCP4.

Un-controlled fill exists at the site.

The Atterberg Limits test results indicate a slightly reactive soil.

Due to the presence of extremely soft conditions and un-controlled fill 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.

Leonard Quinn. Earth Test.



QBSA Lic No. 1017941.

SITE AND SOIL EVALUATION

Lot 64 Forest Creek Road, Forest Creek.

The site and soil evaluation carried out on 17/02/2016 provided the following results.

Site Assessment

Site Factor	<u>Result</u>
Slope	1 degree
Shape	Linear-Planar
Aspect	NE
Exposure	Good.
Erosion/land slip	Not noted.
Boulders/rock outcrop	Not noted
Vegetation	Grass.
Watercourse/Bores	Not noted.
Water table	1.4m.
Fill	Not found.
Flooding	Not likely.
Channelled run-off	Not found
Soil surface conditions	Firm, Dry
Other site specific factors	Not noted

Soil Assessment

Soil Property	<u>Result</u>
Colour	Yellow-Brown
Texture	Clay-Loam
Structure	Weak
Coarse Fragments	Nil
Measured Permeability Ksat (m/d)	0.3
Dispersion	Slakes
Soil Category	4
Resultant Design Load Rate, DLR (mm/day)	20



QBSA Lic No. 1017941.

WASTEWATER MANAGEMENT SYSTEM

An "All-Waste" septic tank discharging into an above ground "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 2002.
- Queensland STANDARD PLUMBING AND DRAINAGE REGULATION 2003.
- Queensland PLUMBING AND WASTEWATER CODE.

SYSTEM SIZING FACTORS.

A population equivalent of four (4) persons has been chosen for the proposed two bedroom dwelling.

The residence is connected to a reticulated 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 (4 persons @ 150 L/person/day) will be 600 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.

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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 = 600/(20*3.13)= 9.6m.

Use one 3.13m wide by 9.6m long Advanced Enviro-Septic bed.

See site plan and detail cross-section.

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.



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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.

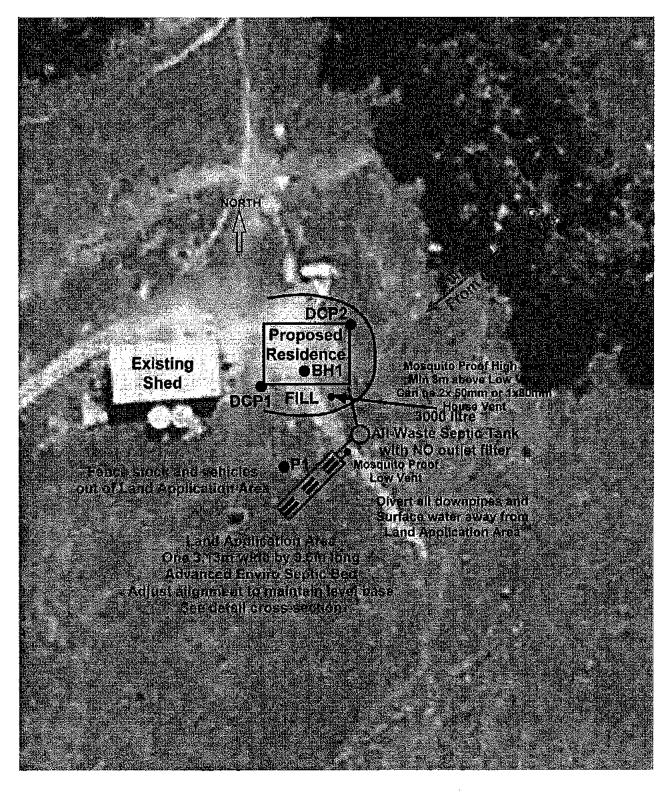
Leonard Quinn Earth Test

Ph: 4095 4734

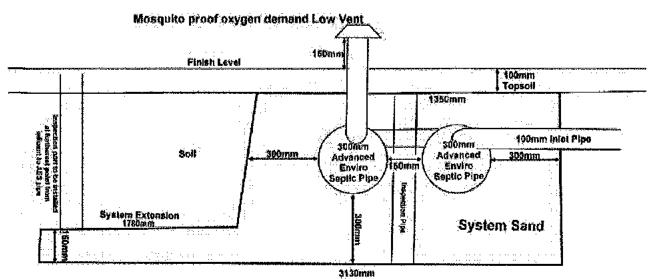


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SITE PLAN Lot 64 Forest Creek Road, Forest Creek. NOT TO SCALE



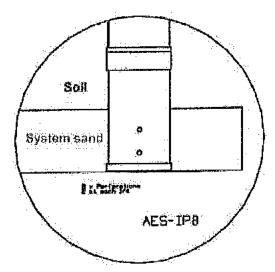




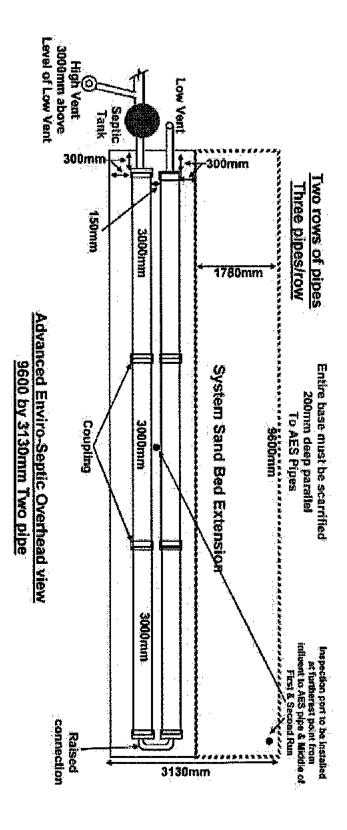
Base must be scarrified 200mm deep. Parallel to AES Pipes

3130mm Wide Two Pipe

Advanced Enviro-Septic Cross-Section



AES inspection point detail





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> ACS pipes can be cut to length on site. They are supplied in 3 meter this city.