## 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)	Barbara Lloyd
Contact name (only applicable for companies)	Greg Skyring
Postal address (P.O. Box or street address)	11 Noli Close
Suburb	Mossman
State	QLD
Postcode	4873
Country	AUS
Contact number	07 40982061
Email address (non-mandatory)	greg@skyringdesign.com.au
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?
<ul><li></li></ul>



# PART 2 - LOCATION DETAILS

Note: P						3) as applicable) premises part of the developme	nt application. For further information, see <u>DA Forms</u>
3.1) S	3.1) Street address and lot on plan						
			•		ts must be liste		
Street address <b>AND</b> lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon; all lots must be listed).						e premises (appropriate for development in water	
	Unit No.	Street N	lo. S	Street	t Name and	Туре	Suburb
2)				Silver	Ash Road		Cow Bay
a)	Postcode	Lot No.	ı	Plan 1	Γype and Nu	ımber (e.g. RP, SP)	Local Government Area(s)
		514	ı	RP74	2056		Douglas
	Unit No.	Street N	lo. S	Street	t Name and	Туре	Suburb
<b>b</b> \							
b)	Postcode	Lot No.	ı	Plan 7	Type and Nu	ımber (e.g. RP, SP)	Local Government Area(s)
3.2) C	oordinates o	f premise	es (appr	opriate	for developme	ent in remote areas, over part of	a lot or in water not adjoining or adjacent to land e.g.
	dredging in Mo		as in a se	enarate	row Only one	set of coordinates is required f	or this part
					e and latitud		or this part.
Longit		promisoc	Latitud		o and ratitud	Datum	Local Government Area(s) (if applicable)
Landac(3)				☐ WGS84	Lecal Covernment / trea(c) (ii applicable)		
				☐ GDA94			
☐ Other:							
Со	ordinates of	premises	by ea	sting	and northing		
Eastin	g(s)	North	ing(s)		Zone Ref.	Datum	Local Government Area(s) (if applicable)
					<u>54</u>	☐ WGS84	
□ 55		☐ 55	☐ GDA94				
					□ 56	Other:	
3.3) A	dditional pre	mises					
		nises are	releva	nt to t	his developr	ment application and their	details have been attached in a schedule
	application						
Not required     ■     Not required     N							
4) Ider	ntify any of th	ne followi	ing that	t appl	y to the pren	nises and provide any rel	evant details
☐ In o	or adjacent t	o a watei	body o	or wa	tercourse or	in or above an aquifer	
Name of water body, watercourse or aquifer:							
On	On strategic port land under the Transport Infrastructure Act 1994						
Lot on	Lot on plan description of strategic port land:						
Name	of port author	ority for t	he lot:				
☐ In a tidal area							
Name of local government for the tidal area (if applicable):							
	Name of port authority for tidal area (if applicable):						
	•	•				cturing and Disposal) Act	2008
	of airport:		,		,	, , , , , , , , , , , , , , , , , , , ,	
	-	nvironme	ental Ma	anage	ement Regis	ster (EMR) under the <i>Env</i>	ironmental Protection Act 1994
	site identifica			J	J	,	

Listed on the Contaminated Land Register (CLR) under the Environmental	Protection Act 1994		
CLR site identification:			
5) Are there any existing easements over the premises?  Note: Easement uses vary throughout Queensland and are to be identified correctly and accurate they may affect the proposed development, see <u>DA Forms Guide</u> .	ely. For further information on easements and how		
Yes – All easement locations, types and dimensions are included in plans application	submitted with this development		
⊠ No			

# PART 3 - DEVELOPMENT DETAILS

Section 1 – Aspects of devel	opment						
6.1) Provide details about the firs	t development aspect						
a) What is the type of developme	nt? (tick only one box)						
b) What is the approval type? (tick	k only one box)						
□ Development permit	☐ Preliminary approval	<ul><li>Preliminary approval the a variation approval</li></ul>	at includes				
c) What is the level of assessmer	nt?						
□ Code assessment	☐ Impact assessment (requ	ires public notification)					
d) Provide a brief description of the lots):	ne proposal (e.g. 6 unit apartment i	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3				
Dwelling House and Shed							
e) Relevant plans  Note: Relevant plans are required to be s  Relevant plans.	submitted for all aspects of this develo	pment application. For further inform	ation, see <u>DA Forms guide:</u>				
Relevant plans of the propose	ed development are attached to	the development application	1				
6.2) Provide details about the sec	cond development aspect						
a) What is the type of developme	nt? (tick only one box)						
☐ Material change of use	☐ Reconfiguring a lot	Operational work	☐ Building work				
b) What is the approval type? (tick	k only one box)						
☐ Development permit	☐ Preliminary approval	☐ Preliminary approval the approval	at includes a variation				
c) What is the level of assessmer	nt?						
☐ Code assessment	☐ Impact assessment (requ	ires public notification)					
d) Provide a brief description of the	ne proposal (e.g. 6 unit apartment i	building defined as multi-unit dwelling	g, reconfiguration of 1 lot into 3 lots):				
e) Relevant plans  Note: Relevant plans are required to be s Relevant plans.	submitted for all aspects of this develo	pment application. For further inform	ation, see <u>DA Forms Guide:</u>				
Relevant plans of the propose	ed development are attached to	o the development application	1				
6.3) Additional aspects of develop	pment						
☐ Additional aspects of developmentat would be required under Par☐ Not required							

Section 2 – Further develor 7) Does the proposed developr			ve any of the follo	wing?		
Material change of use					t a local planning instr	ument
Reconfiguring a lot	Yes -	- complete o	division 2			
Operational work	Yes -	- complete d	division 3			
Building work	☐ Yes -	- complete <i>l</i>	DA Form 2 – Build	ing work de	tails	
Division 1 – Material change of Note: This division is only required to be planning instrument.  8.1) Describe the proposed material Provide a general description of proposed use	completed terial cha	nge of use Provide th	e planning schement applicate	e definition	material change of use ass  Number of dwelling units (if applicable)	Gross floor area (m²)
proposed dec						(if applicable)
New dwelling house, 2/gazebos solar generator and battery she		Dwelling h	ouse, gazebos, sh	ned		
8.2) Does the proposed use inv	olve the i	use of existing	ng buildings on the	e premises?		
9.2) What is the nature of the lost Subdivision (complete 10))  Boundary realignment (comp		guration? <i>(tic</i>	☐ Dividing land☐ Creating or ch	nanging an e	agreement (complete 1	
10) Subdivision			a construction			
10.1) For this development, how Intended use of lots created	w many lo		g created and what Commercial	Industrial		
interface use of fots created	Reside	rillai	Commercial	industrial	Other, pleas	e specify.
Number of lots created						
10.2) Will the subdivision be sta	aged?					
<ul><li>☐ Yes – provide additional det</li><li>☐ No</li></ul>		1				
How many stages will the work	s include?	?				
What stage(s) will this developr apply to?	nent appl	ication				
11) Dividing land into parts by a parts?	agreemen	t – how mar	ny parts are being	created and	what is the intended	use of the
Intended use of parts created	Reside	ntial	Commercial	Industrial	Other, pleas	e specify:
Number of parts created						

12) Boundary realig 12.1) What are the		roposed areas	s for each lot com	prising the premises?		
	Curre	nt lot			Propose	d lot
ot on plan descrip	tion	Area (m <sup>2</sup> )		Lot on plan description	on	Area (m <sup>2</sup> )
2.2) What is the re	eason for the	boundary reali	gnment?			
3) What are the di	mensions and	d nature of any wo easements)	y existing easeme	ents being changed and	d/or any p	roposed easement?
xisting or roposed?	Width (m)	Length (m)	Purpose of the pedestrian access)	easement? (e.g.	_	the land/lot(s) ted by the easement
vision 3 – Opera		ompleted if any p	art of the developmen	nt application involves operat	ional work	
4.1) What is the na				_	nfrastructi	ure
Drainage work Landscaping			Earthworks Signage		e infrastru g vegetati	
Other – please						
Yes – specify nu			itate the creation	of new lots? (e.g. subdiv	ision)	
<u> </u>	nonetary value	e of the propos	sed operational w	ork? (include GST, materia	ls and labou	ır)
ART 4 – ASS	ESSMEN	IT MANAC	SER DETAIL	.S		
5) Identify the assigning the source of the second		ager(s) who w	vill be assessing t	his development applic	ation	
6) Has the local go	overnment ag			nning scheme for this	developm	ent application?
				pment application d planning scheme requ	uest – rele	evant documents
ART 5 – REF	ERRAL D	ETAILS				
ote: A development ap	oplication will req	uire referral if pres	scribed by the Plannir			dovolonos sist
pplication – proce	ed to Part 6		·	opment aspects identific	ed in this	aevelopment
latters requiring re		mer executiv	e of the Plannin	g Regulation 2017:		
Contaminated la	-	d ordnance)				

Fisheries – aquaculture   Fisheries – marine plants   Fi	Fisheries – aquaculture   Fisheries – declared fish habitat area   Fisheries – marine plants   Fisheries – marin	
Fisheries - declared fish habitat area   Fisheries - marine plants   Fisheries - marine plants   Fisheries - marter plants   Fisheries - marter works   Hazardous chemical facilities   Queensland heritage place)   Infrastructure - designated premises   Infrastructure - estate transport corridors and future state transport corridors   Infrastructure - state transport corridors and future state transport corridors   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled roads   Infrastructure   Infrastructure - state-controlled roads   Infrastructure   Infrastructure - state-controlled roads   Infrastructure   Infrastructure	Fisheries – declared fish habitat area   Fisheries – marine plants   Fisheries – marine plants   Fisheries – marine plants   Fisheries – materway barrier works   Hazardous chemical facilities   Queensland heritage place   Queensland heritage place   Queensland heritage place   Infrastructure – state transport corridors and future state transport corridors   Infrastructure – state transport corridors and future state transport corridors   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled roads   Infrastructure – state   Infrastructure   Infra	Environmentally relevant activities (ERA) (only if the ERA have not been devolved to a local government)
Fisheries - marine plants   Fisheries - waterway barrier works   Hazardous chemical facilities   Queensland heritage place (or or near a Oveensland heritage place)   Infrastructure - designated premises   Infrastructure - state transport infrastructure   Infrastructure - state transport infrastructure   Infrastructure - state transport corridors and future state transport corridors   Infrastructure - state transport corridors and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   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 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 (**form a watercourse or fake*)   Water-related development - removing quarry material (**form a watercourse or fake*)   Water-related development - construction of new levees or modification of existing levees (**category 2 or 3 **levees only)   Wetland protection area   Water-related development - construction of new levees or modification of existing levees (**category 2 or 3 **levees only)   Wetland protection area   Water-related development - removing quarry material (**form a watercourse or fake)   Water-related development - construction of new levees or modification of existing levees (**category 2 or 3 **levees only	Fisheries – waterway barrier works   Fisheries – waterway barrier works   Fisheries – waterway barrier works   Hazardous chemical facilities   Queensland heritage place (on or near a Queensland heritage place)   Infrastructure – designated premises   Infrastructure – state transport corridors and future state transport corridors   Infrastructure – state transport corridors and future state transport corridors   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 Binsbane's port limits   SEQ Revelopment 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 – 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 (iron a watercourse or lake)   Water-related development – removing quarry material (iron a watercourse or lake)   Water-related development – construction of new levees or modification of existing levees (coregory 2 or 3 levees only)   Wetland protection area   Water 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 holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence port land   Strategic port land   Matters requiring referral to the Brisbane City Council:   Brisbane core port land   Matters requiring referral t	
Fisheries - waterway barrier works   Hazardous chemical facilities   Queensland heritage place (on or near a Queensland heritage place)   Infrastructure - designated premises   Infrastructure - state transport corridors and future state transport corridors and future state transport corridors   Infrastructure - state transport corridors and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels   Infrastructure   Infrastructur	Fisheries - waterway barrier works   Hazardous chemical facilities   Queensland heritage place (on or near a Queensland heritage place)   Infrastructure - designated premises   Infrastructure - state transport corridors and future state transport corridors   Infrastructure - state transport corridors and future state-controlled transport tunnels   Infrastructure - state-controlled roads   Infrastructure - state-controlled froads   Infrastructure   Infrastructure - state-controlled froads   Infrastructure   Infrastructu	
Auguensland 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 transport corridors and future state-controlled transport tunnels   Infrastructure - state-controlled roads   Infrastructure - state-controlled roads   Infrastructure   SEQ development area   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 - 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 - removing quarry material (from a watercourse or lake)   Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Waters requiring referral to the local government:   Airport land   Cervironmentally 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   Matters requiring referral to the Brisbane City Council:   Brisbane core port land   Strategic port land   Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:   Brisbane core port land   Strategic port land   Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:   Brisbane core port land   Strategic port land   Strategic fort land (below high-water mark and within port limits)   Matters requiring referral to the Cold Coast	Hazardous chemical facilities   Queensland heritage place (on or near a Queensland heritage place)   Infrastructure — designated premises   Infrastructure — state transport corridors and future state transport corridors   Infrastructure — state transport corridors and future state-controlled transport tunnels   Infrastructure — state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure — state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure — state-controlled transport limits   SEQ development area   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 — 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 — removing quarry material (from a watercourse or lake)   Water-related development — removing quarry material (from a watercourse or lake)   Water-related development — construction of new levees or modification of existing levees (sategory 2 or 3 levees only)   Wetland protection area   Water-related development — construction of new levees or modification of existing levees (sategory 2 or 3 levees only)   Wetland protection area   Water-related development — terespective of the distribution of existing levees (sategory 2 or 3 levees only)   Wetland protection area   Water-related development — construction of new levees or modification of existing levees (sategory 2 or 3 levees only)   Wetland protection area   Water-related development of the local government:   Airport land   Erroridated development   Construction of new levees or modification of existing levees (sategory 2 or 3 levee	
Queensland heritage place (on or near a Queensland heritage place)   Infrastructure – designated premises   Infrastructure – state transport corridors and future state transport corridors   Infrastructure – state transport tunnels and future state transport tunnels   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport tunnels   Infrastructure   I	Queensland heritage place (on or near a Queensland heritage place)   Infrastructure - designated premises   Infrastructure - state transport corridors and future state transport corridors   Infrastructure - state transport tunnels and future state transport tunnels   Infrastructure - state controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure - state-controlled transport limits   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 - endoor recreation   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 - taking or interfering with water   Water-related development - reflerable dams   Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development - teferable dams   Water-related development by the local government:   Information of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development - construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related d	
Infrastructure — designated premises   Infrastructure — state transport infrastructure   Infrastructure — state transport corridors and future state transport corridors and future state transport corridors   Infrastructure — state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure — state-controlled transport tunnels and future state-controlled transport tunnels   Infrastructure — state-controlled transport tunnels   Infrastructure	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 transport tunnels and future state-controlled transport tunnels   Infrastructure – state-controlled transport 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 – taking or interfering with water   Water-related development – removing quarry material (from a watercourse or lake)   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related places   Water-related places   Water-related places   Water-related places   Water requiring referral to the local government:   Description   Water requiring referral to the chief executive of the distribution entity or transmission entity:   Electricity infrastructure   Waters requiring referral to the Chief executive of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence, if the holder of the licence is an individual   Waters requiring referral to the Brisbane City Council:   Brisbane core port land   Waters requiring refe	
Infrastructure – state transport infrastructure   Infrastructure – state transport corridors and future 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 – 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   Matters requiring referral to the chief of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   Oil and gas infrastructure   Matters requiring referral to the Brisbane City Council:   Brisbane core port land   Matters requiring referral to the holder of the licence, if not an individual   Strategic port land   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port	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 – residential development   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 – referable dams   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – taking or interfering with 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   Matters requiring referral to the Chief executive of the licence, if not an individual   The chief executive of the holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence, if the holder of the licence is an individual   The holder of the licence, if the holder of the licence	
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 – residential development   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   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Wetland protection area   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)   Water-related development – construction of new levees or modification of existing levees (cate	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 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   Waters requiring referral to the local government:   Airport land   Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government)   Cocal heritage places   Matters requiring referral to the chief executive of the distribution entity or transmission entity:   Electricity infrastructure   Matters requiring referral to the Brisbane City Council:   Brisbane core port land   Strategic port land   Strateg	
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Urban design  Water-related development − taking or interfering with water  Water-related development − removing quarry material (from a watercourse or lake)  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  Matters requiring referral to:  • The chief executive of the holder of the licence, if not an individual  • The holder of the licence, if the holder of the licence is an individual  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  Matters requiring referral to the relevant port operator:  Brisbane core port land (below high-water mark and within port limits)  Matters requiring referral to the chief executive of the relevant port authority:  Land within limits of another port  Matters requiring referral to the Cold Coast Waterways Authority:  Tidal works, or development in a coastal management district in Gold Coast waters	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   Waters 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   Waters requiring referral to: • The chief executive of the holder of the licence, if not an individual • The holder of the licence, if the holder of the licence is an individual • The holder of the Brisbane City Council:   Brisbane core port land   Matters requiring referral to the Brisbane City Council:   Brisbane core port land   Strategic port land   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Council executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters   Matters requiring referral to the Queensland Fire and Emergency Service:	
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     Matters requiring referral to:     The chief executive of the holder of the licence, if not an individual     The holder of the licence, if the holder of the licence is an individual     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     Matters requiring referral to the relevant port operator:     Brisbane core port land (below high-water mark and within port limits)     Matters requiring referral to the chief executive of the relevant port authority:     Land within limits of another port     Matters requiring referral to the Gold Coast Waterways Authority:     Tidal works, or development in a coastal management district in Gold Coast waters	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   Watters 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   Watters requiring referral to the chief executive of the distribution entity or transmission entity:   Electricity infrastructure   Watters requiring referral to:   The holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   Oil and gas infrastructure   Watters requiring referral to the Brisbane City Council:   Brisbane core port land   Watters requiring referral to the Minister under the Transport Infrastructure Act 1994:   Brisbane core port land   Strategic port land   Watters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Watters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Cold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters   Watters requiring referral to the Queensland Fire and Emergency Service:	
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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   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   Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters	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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   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   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters   Matters requiring referral to the Queensland Fire and Emergency Service:	· ·
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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   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   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters	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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   The holder of the licence, if the holder of the licence is an individual   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   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Cold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters   Matters requiring referral to the Queensland Fire and Emergency Service:	
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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   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   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters	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   Matters requiring referral to:   The chief executive of the holder of the licence, if not an individual   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   Matters requiring referral to the relevant port operator:   Brisbane core port land (below high-water mark and within port limits)   Matters requiring referral to the chief executive of the relevant port authority:   Land within limits of another port   Matters requiring referral to the Gold Coast Waterways Authority:   Tidal works, or development in a coastal management district in Gold Coast waters   Matters requiring referral to the Queensland Fire and Emergency Service:	
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<ul> <li>The holder of the licence, if the holder of the licence is an individual         Oil and gas infrastructure     </li> <li>Matters requiring referral to the Brisbane City Council:         Brisbane core port land     </li> <li>Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:         Brisbane core port land     </li> <li>Strategic port land</li> <li>Matters requiring referral to the relevant port operator:         Brisbane core port land (below high-water mark and within port limits)     </li> <li>Matters requiring referral to the chief executive of the relevant port authority:         Land within limits of another port     </li> <li>Matters requiring referral to the Gold Coast Waterways Authority:         Tidal works, or development in a coastal management district in Gold Coast waters     </li> </ul>	The holder of the licence, if the holder of the licence is an individual  □ 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  Matters requiring referral to the relevant port operator: □ Brisbane core port land (below high-water mark and within port limits)  Matters requiring referral to the chief executive of the relevant port authority: □ Land within limits of another port  Matters requiring referral to the Gold Coast Waterways Authority: □ Tidal works, or development in a coastal management district in Gold Coast waters  Matters requiring referral to the Queensland Fire and Emergency Service:	Matters requiring referral to:
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18) Has any referral agency pro	ovided a referral response for	this development appli	cation?
	eceived and listed below are		
Referral requirement	Referral agency	, ,	Date of referral response
·			<u>'</u>
			hat was the subject of the referral s in a schedule to this development
PART 6 — INFORMATION  19) Information request under F	- 1,5		
Note: By not agreeing to accept an info • that this development application wil	nformation request for this deprimation request I, the applicant, ack I be assessed and decided based or ferral agencies relevant to the devel e applicant for the development app if the application is an application lis	evelopment application and application and application and application provided who application are not obtain a polication unless agreed to by the attention and a section 11.3 of the	en making this development application and oligated under the DA Rules to accept any ne relevant parties
PART 7 — FURTHER D  20) Are there any associated d  ☐ Yes — provide details below ☐ No  List of approval/development	evelopment applications or cu		
application references  Approval		24.0	, coccomon manager
☐ Development application			
Approval Development application			
21) Has the portable long servi	ce leave levy been paid? (only	applicable to development a	pplications involving building work or
<ul><li>☐ Yes – the yellow local gover development application</li><li>☐ No – I, the applicant will pro</li></ul>		le long service leave level acknowledge that the	yy has been paid before the assessment manager may give a
Amount paid	Date paid (dd/mm/yy)	QLeave lev	y number (A, B or E)
\$			
22) Is this development applica  Yes – show cause or enforce  No		use notice or required a	as a result of an enforcement notice?

23) Further legislative requirement			
<b>Environmentally relevant activi</b>	<u>ties</u>		
	ion also taken to be an application for an it ity (ERA) under section 115 of the <i>Envirc</i>		
	(form EM941) for an application for an en	vironmental authori	ity accompanies this
	ails are provided in the table below		
Note: Application for an environmental au	thority can be found by searching "EM941" at <u>www.c</u>	ald gov au . An FRA regu	ires an environmental authority
to operate. See <u>www.business.qld.gov.au</u>		ra.gov.aa. An Erva requ	
Proposed ERA number:	Proposed	ERA threshold:	
Proposed ERA name:			
Multiple ERAs are applicate to this development application.	ble to this development application and the cation.	e details have beer	n attached in a schedule
<b>Hazardous chemical facilities</b>			
23.2) Is this development application	ion for a hazardous chemical facility?		
	a facility exceeding 10% of schedule 15 tl	nreshold is attached	to this development
application			
No Note: See www.justice.gld.gov.au for furth	ner information.		
Clearing native vegetation			
	ication involve clearing native vegetatio		
of the Vegetation Management A	gement Act 1999 is satisfied the clearing i ct 1999?	s for a relevant pur	pose under section 22A
	ation is accompanied by written confirmati	on from the chief ex	xecutive of the
Vegetation Management Act 1999	9 (S22A determination)		
Note: See www.qld.gov.au for further info	rmation.		
Environmental offsets			
23.4) Is this development application	ion taken to be a prescribed activity that ner under the Environmental Offsets Act 20		int residual impact on a
<u>-</u>	nvironmental offset must be provided for a		rity assessed as having a
significant residual impact on a pr		, p. 555554 454.	n, accessed ac narmy a
⊠ No			
<b>Note</b> : The environmental offset section of environmental offsets.	the Queensland Government's website can be acce	ssed at <u>www.qld.gov.au</u>	for further information on
Koala conservation			
23.5) Does this development app	ication involve a material change of use, r	econfiguring a lot o	r operational work within
an assessable development area	under Schedule 10, Part 10 of the Plannir	ng Regulation 2017	?
Yes			
No			
Note: See guidance materials at www.ehp	<u>o.qld.gov.au</u> for further information.		
Water resources			
	ication involve taking or interfering with course, lake or spring, taking overland		
	completed and attached to this developme	ent application	
No Note: DA templates are quallable from un	my dilan ald acy ou		
Note: DA templates are available from wv	w.diigp:qid:gov.au. e taking or interfering with artesian or s	sub artesian water	taking or interfering
	e caking of interfering with artesian of s e or spring, or taking overland flow wa		
<u> </u>	evant water authorisation under the Wate		

commencing development
No Note: Contact the Department of Natural Resources and Mines at www.dnrm.qld.gov.au 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 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 <b>removal of quarry materials from a watercourse or lake</b> under the <i>Water Act 2000?</i>
<ul> <li>Yes − I acknowledge that a quarry material allocation notice must be obtained prior to commencing development</li> <li>No</li> </ul>
Note: Contact the Department of Natural Resources and Mines at <a href="https://www.dnrm.qld.gov.au">www.dnrm.qld.gov.au</a> for further information.
Quarry materials from land under tidal waters
23.10) Does this development application involve the <b>removal of quarry materials from land under tidal water</b> under the <i>Coastal Protection and Management Act 1995?</i>
☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development
⊠ No
<b>Note</b> : Contact the Department of Environment and Heritage Protection at <a href="https://www.ehp.qld.gov.au">www.ehp.qld.gov.au</a> for further information.
Referable dams
23.11) Does this development application involve a <b>referable dam</b> 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 <a href="https://www.dews.qld.gov.au">www.dews.qld.gov.au</a> 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 <a href="https://www.ehp.qld.gov.au">www.ehp.qld.gov.au</a> for further information.  Queensland and local heritage places
23.13) Does this development application propose development on or adjoining a place entered in the <b>Queensland</b> heritage register or on a place entered in a local government's <b>Local Heritage Register</b> ?
Yes – details of the heritage place are provided in the table below
No.
Note: See guidance materials at <a href="https://www.ehp.qld.gov.au">www.ehp.qld.gov.au</a> 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>

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	<ul><li>☐ Yes</li><li>☒ Not applicable</li></ul>
Supporting information addressing any applicable assessment benchmarks is with development application  Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report and any technical reports required by the relevant categorising instruments (e.g. local government planning schemes, State Planning Policy, State Development Assessment Provisions). For further information, see <a href="DAForms Guide: Planning Report Template">DAForms Guide: Planning Report Template</a> .	⊠ Yes
Relevant plans of the development are attached to this development application  Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see <u>DA Forms Guide</u> : Relevant plans.	⊠ Yes
The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 21))	<ul><li>☐ Yes</li><li>☒ Not applicable</li></ul>

#### 25) Applicant declaration

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

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

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

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

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

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

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

PART 9 – FOR OFFICE USE ONLY		
Date received: Reference number	per(s):	
Notification of engagement of alternative assessment man	nager	
Prescribed assessment manager		
Name of chosen assessment manager		
Date chosen assessment manager engaged		
Contact number of chosen assessment manager		
Relevant licence number(s) of chosen assessment manager		
QLeave notification and payment		
Note: For completion by assessment manager if applicable		
Description of the work		
QLeave project number		
Amount paid (\$)		
Date paid		
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.

# GREG SKYRING Design

# and **DRAFTING** PTY. LTD.

ATF THE SKYRING FAMILY TRUST
ABN 78 409 217 980

20th February 2019

The Manager, Planning Services, Douglas Shire Council P.0. Box 723 Mossman Q 4873

Attention: - Development Services

Dear Sir/Madam,

# RE: APPLICATION FOR MATERIAL CHANGE OF USE OF PREMISES – DWELLING HOUSE, SHED and 2/GAZEBOS on L514 RP742056, SILVER ASH ROAD, COW BAY For B. Lloyd

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

In addition to the house site, the attached site plan shows the extent of potential landslide and acid sulphate soils overlays for your convenience.

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

1.0 - General Details

**Local Government Authority** Douglas Shire Council

**Planning Scheme** 2018 Douglas Shire Planning Scheme

Planning Area Conservation Zone

**Assessment Level** Code Assessable

Applicable Codes Conservation zone code

(Affecting building site) Cape Tribulation and Daintree Coast local plan

code (Precinct 2)

Natural areas overlay code

Lic. Under QBSA Act 1991- No. 1040371

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

Conservation zone – assessable development

Performance outcomes	Acceptable outcomes	Comments
For assessable development		
PO1 The establishment of uses is consistent with the outcomes sought for the Conservation zone and protects the zone from the intrusion of inconsistent uses.	AO1 Uses identified in Table 6.2.3.3.b are not established in the Conservation zone.	Complies. A dwelling house is a consistent use
PO2 The height of buildings is compatible with the character of the area and does not adversely affect the amenity of the area.	AO2 Buildings and structures are not more than 8.5 metres in height and two storeys. Note - Height is inclusive of roof height.	Complies. Maximum building height is 4.2m
PO3 Development is setback from site boundaries so they are screened from view from the boundaries of adjoining properties and adjoining roads to maintain the scenic values of the area.	AO3 Buildings and structures are setback not less than:  (a) 40 metres from the frontage of a State-controlled road, existing or proposed arterial road, existing or proposed sub-arterial road, as identified on the Transport network overlay maps contained in Schedule 2;  (b) 25 metres from Cape Tribulation Road frontage;  (c) 20 metres from any other road frontage  (d) 10 metres from side and rear boundaries.	An area has previously been cleared in the front of the allotment as shown on the site plan, most likely because this is the only area where a building can be located without incurring the prohibitive cost of bridging an adjacent high banked rocky creek. The proposed buildings will be located in the general area of the existing clearing, with the primary consideration trying to achieve a reasonable buffer to the existing creeks and the secondary compromise made between the front boundary and proposed buildings. A dispensation is therefore required for a setback of the proposed buildings to the front boundary of 16m min to the main buildings and 12.5m to the generator shed. (refer to Site Plan)
PO4 The site coverage of all buildings and structures does not have an adverse effect on the conservation or scenic amenity values of the site and surrounding area and buildings are subservient to the natural environment.	AO4 Development is sited in an existing cleared area or an area approved for clearing, but which is not yet cleared until a development permit to carry out Building Works is issued. Any clearing is limited to a maximum area of 700m² and is sited clear of the high bank of any watercourse.  Note – The 700m² area of clearing does not include an access driveway.	Complies. A cleared area of maximum 700m² is proposed, extending behind and to the north of the existing 300m² cleared area
PO5 Development is consistent with the overall outcomes sought for the	AO5 No acceptable outcomes are prescribed.	Complies

Performance outcomes	Acceptable outcomes	Comments
Conservation zone.		
PO6  Development complements, and is subservient to the surrounding environment and is in keeping with the ecological, landscape and scenic values of the area.	AO6 The exterior finishes and colours of all development are non-reflective and consist of colours that blend easily with surrounding native vegetation and view-shed.	Complies
PO7 Development is screened from view from adjoining roads and properties with a dense screen of endemic/native landscape which: (e) is informal in character and complementary to the existing natural environment; (f) provides screening; (g) enhances the visual appearance of the development.  Note – Planning scheme policy – Landscaping provides further guidance on meeting the performance outcome.	AO7.1 For any development, the balance area of the site not built upon, including all setback areas must be landscaped/revegetated with dense three tier, endemic planting which is maintained to ensure successful screening is achieved.  AO7.2 Endemic palm species, where used, are planted as informal accent features and not as avenues and not in a regular pattern.	Complies. A minimum 10m of remnant vegetation is between the front boundary and the existing cleared area. Removal of further remnant vegetation is to the eastern and northern side.
P08 Development is complementary to the surrounding environment.	AO8.1 Development harmonises with the surrounding environment, for example, through suspended, lightweight construction on sloping sites, which requires minimal excavation or fill.	Complies. Low set building forms will be used.
	AO8.2 A driveway or parking areas are constructed and maintained to: (h) minimise erosion, particularly in the wet season; (i) minimise cut and fill; (j) follow the natural contours of the site; (k) minimise vegetation clearing.	Complies. The driveway and parking area is near flat (1.7% fall towards the creek and towards the north), which will have little impact on overland flows. Minimal cut or fill is required. A gravelled surface will be provided for all weather access.
	AO8.3 Buildings and structures are erected on land not exceeding a maximum gradient of 1 in 6 (16.6%)  or On land steeper than 1 in 6 (16.6%) gradient: (I) A split level building form is utilised; (m) A single plane concrete slab is not	Complies. Slope over the cleared area is approximately 1.7% both ways and is clearly referenced on the attached Site Plan. Max fall across the cleared area is 600mm, making the display of 1m contouring of the site redundant.

Performance outcomes	Acceptable outcomes	Comments
	utilised;  (n) Any voids between building and ground level, or between outdoor decks and ground level are screened from view using lattice/battens and/or landscaping.  and  (o) is accompanied by a Geotechnical Report prepared by a qualified engineer at development application stage which includes certification that the site can be stabilised, followed by a certificate upon completion of works.  AO8.4  Buildings and structures are sited below any ridgelines and are sited to avoid protrusion above the surrounding tree-level canopy.	Complies
PO9 Development is located to: (p) protect the ecological values of the site and surrounding land; (q) maintain the scenic values of the area; (r) maintain appropriate setbacks to waterways, watercourses, wetlands, tidal areas and overland flow paths; (s) avoid areas that are vulnerable to natural hazards; (t) minimise to the greatest extent possible on site excavation and filling; (u) provide buffers to cultural, historical or ecological features; (v) minimise visibility from external sites or public viewing points; (w) minimises to the greatest extent possible the loss of native vegetation and fauna habitat.	AO9 No acceptable outcomes are prescribed.	Complies
PO10 Development does not result in adverse impacts on: (x) ecological function or features; (y) on-site or surrounding waterways and wetlands.	AO10 No acceptable outcomes are prescribed.	Complies
PO11 Rehabilitation of natural processes on disturbed sites is undertaken to improve the environmental integrity	AO11 No acceptable outcomes are prescribed	Complies

Performance outcomes	Acceptable outcomes	Comments
of the area.		
PO12 Fencing is designed to not impede the free movement of native fauna through the site.	AO12 No acceptable outcomes are prescribed.	Complies. No fencing will be erected
PO13 New lots contain a minimum lot size of 200 hectares, unless: (z) the lot reconfiguration results in no additional lots (e.g. amalgamation, boundary realignments); (aa) the reconfiguration is limited to one additional lot to accommodate an existing or approved: (i) Telecommunications facility; (ii) Utility installation; (bb) the lot reconfiguration facilitates and outcome consistent with the Return to Country local plan.  Note – Boundary realignments must result in an improved environmental outcome or resolve encroachments.	AO13 No acceptable outcomes are prescribed.	n/a

# Cape Tribulation and Daintree Coast local plan – assessable development

All development in the Cape Tribulation	and Daintree Coast local plan area	Comments
PO1 Development does not result in a demand which exceeds the capacity of: (cc) the Daintree River ferry crossing; (dd) Alexandra Range Road; (ee) the local road network.	AO1 No acceptable outcomes are prescribed.	Complies. Development occurs on an existing allotment
PO2 Development provides a suitable standard of self-sufficient service for: (ff) potable water; (gg) water for fire fighting purposes; (hh) electricity supply.	AO2.1 Water storage is provided in tank/s with a minimum capacity to service the proposed use, including fire fighting capacity, and access to the tank/s for fire trucks. Tank/s are to be: (ii) fitted with a 50mm ball valve and camlock fitting; (jj) installed and connected prior to occupation; (kk) sited so as to be visually unobtrusive.	Complies. A minimum 30,000L tank with appropriate fittings will be provided as required, with the roof catchment shared between the residence and one of the gazebos.

All development in the Cape Tribulation	n and Daintree Coast local plan area	Comments
	AO2.2 Water storage tanks are to be fitted with screening at their inlets to prevent the intrusion of leaves and insects.	
	AO2.3 An environmentally acceptable and energy efficient power supply is constructed, installed and connected prior to occupation and sited so as to be screened from the road.	Complies. Solar panels will be installed on the main building roof. A backup generator and batteries will be located in the proposed generator shed.
PO3 On-site waste water does not adversely impact on the environmental quality of the water and soil resources or amenity of residents, through the implementation of best environmental practice.	AO3 No acceptable outcomes are prescribed.	Complies. A secondary level waste water system will be installed (AES) - refer to attached Waste Water Report for location and minimum clearance requirements.
PO4 The sustainability of the natural water resources of the area is protected for ecological and domestic consumption purposes.	AO4.1 If groundwater is to be used, development is limited to one bore per site and the bore is: not located within 100 metres of a septic disposal trench (on the site or adjoining sites); not located within 100 metres of another bore.	Complies. No bore will be provided
	AO4.2 Surface water is to be used for domestic purposes only.	Complies
PO5 Development does not adversely impact on areas of sensitive natural vegetation, foreshore areas, watercourses and/or areas of tidal inundation.	AO5 No acceptable outcomes are prescribed.	Complies
PO6 Development is subservient to the surrounding natural environment in scale and intensity and is designed to be functional in a humid tropical rainforest environment.	AO6.1 The exterior finishes and colours of buildings are non-reflective and complement the colours of the surrounding vegetation and view shed.	Complies
	AO6.2 The noise of generators is controlled by design, or the generator is enclosed within a sound insulated building with a residential approved muffler. The noise level generated is less than 65 dBA when measured from a distance	Complies. Generator will be housed in a 4m x 3m steel framed building. Sound and heat Insulation will be fitted to the walls and roof to minimise generator noise

All development in the Cape Tribulation	n and Daintree Coast local plan area	Comments
	of 7 metres.	
	AO6.3 Any fuel storage associated with an on-site generator, with storage of 20 litres or more of fuel, is enclosed with a building and provided with a bund.	Complies
PO7 Landscaping of the development ensures that the endemic character of the local area is dominant.	AO7.1 Landscaping complies with the requirements of Planning Scheme Policy 7 – Landscaping;	Complies.  No landscaping will be required past the nominated cleared area.
	AO7.2 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.	Complies. The remainder of the allotment is will remain as remnant vegetation.
PO8 Site access driveways and roads within the local plan area are retained as safe, slow speed, scenic drives.	AO8.1 Site access driveways and existing or proposed roads comply with the relevant requirements of Planning Scheme Policy 5 – 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;	Complies
	AO8.2 Where existing roads/tracks are 4- wheel drive only, upgrading to facilitate conventional vehicles and an increase in through traffic does not occur.	n/a
PO9 The on-site impacts on natural flow regimes and erosion and sedimentation are minimised.	AO9.1 Filling and excavation is kept to a minimum and involves not more than 5% of the cleared area of the lot.  AO9.2	Complies. A maximum 100mm excavation or filling is required, resulting in minimal impact on natural flows
	All exposed surfaces must incorporate erosion and sediment controls during construction and must be maintained until revegetation, or other permanent stabilisation, has occurred. AO9.3  This is no disturbance to tree roots	Complies
	and trenching does not involve any damage to tree roots.  AO9.4  On-site drainage and stormwater management:  (II) maintains natural flow regimes;	Complies. The roof catchment for the water storage tank will be shared between

All development in the Cape Tribulation	n and Daintree Coast local plan area	Comments
	(mm) minimises impervious surfaces; (nn) 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 (e.g. rock rip rap, gravel beds, diffusers etc.)	the residence and one of the gazebos. Otherwise no guttering will be installed allowing the roof water to flow onto a rubble filled dispersion bed
General requirements – Dwelling house	è	
PO10 Development minimises the loss of vegetation and habitat connectivity on site and is sited to protect the environmental values of the site.	AO10.1 The elements of development and access to the site are included in a Designated Development Area (DDA).  AO10.2 Development is sited in an existing cleared area or in an area approved for vegetation clearing.  AO10.3 Any new clearing is limited to a maximum area of 700m2 and is sited to be clear of the high bank of any	Complies. The general intent of the development complies with all other relevant acceptable outcomes as described in this assessment  Complies. Refer to Site Plan  Complies. Refer to Site Plan
	to be clear of the high bank of any watercourse.  Note – The 700m <sup>2</sup> of clearing does not include an access driveway.	
PO11 All existing native vegetation on a house site, other than that required and approved to be cleared for the construction of a house and access thereto, is protected to ensure the environmental integrity of the local plan area.	AO11 No acceptable solutions are prescribed.	Complies
PO12 Wildlife movement, fauna habitat and habitat corridors are protected and domestic impacts are minimised.	AO12.1 Fences are limited in extent to the confines of the cleared area around the house and any associated gates are self-closing.  AO12.2 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 timers.	Complies. No fencing will be provided  Complies
PO13 House sites have efficient and safe	AO13.1 Vehicle access is limited to one access	Complies.

All development in the Cape Tribulation	n and Daintree Coast local plan area	Comments
vehicle access and manoeuvring areas on site, and to the site, to an acceptable standard for the local plan area.	per lot and sited in an approved location, clear of any watercourses.  AO13.2 Vehicular access is a maximum width of 4 metres, avoids large tree specimens and/or significant vegetation and habitat corridors and is constructed and maintained to a minimum gravel standard of 75mm of road base on a compacted soil surface.  AO13.3 Vehicular access is constructed prior	Driveway is near flat (1.7% fall to creek), and a maximum 100mm excavation and filling is required at the house site, resulting in minimal impact on natural overland flows The driveway will be 3m maximum width with a gravelled surface provided for all weather access. Fall is generally perpendicular to the contour and will therefore not require any form of drainage system.  Will comply
Additional requirements for Precinct 2-	to house construction.  - Low impact residential precinct	
PO19 Development is for; (a) detached dwelling of limited size and scale and necessary outbuildings	AO19.1 Development is limited to one dwelling house per lot.	Complies
and infrastructure; (b) home occupations, including bed and breakfast accommodation, where it can be demonstrated that the bed and breakfast accommodation can establish on the site and not	AO19.2 Establishment of bed and breakfast accommodation only occurs on land on which a dwelling house has been approved and constructed.	N/A
detrimentally impact on the scenic values of the site and surrounding areas; (c) Nature based tourism, being Forest stay accommodation where in	AO19.3  Bed and breakfast accommodation is limited to cleared areas on the land; or	N/A
compliance with other requirements contained within this code.	AO19.4 Bed and breakfast accommodation is established within an existing house, where there is no additional vegetation clearing required to accommodate the use;	N/A
	AO19.5 Bed and breakfast accommodation occurs on a site with a minimum area of 1 hectare, and thereafter occurs at a rate of 1 bedroom (2 beds) per hectare, up to a maximum of 4 bedrooms (8) beds per site.	N/A
	AO19.6 Development is setback a minimum of 100 metres to an Esplanade or a foreshore frontage.	N/A

Natural areas overlay code – assessable development

Performance outcomes	Acceptable outcomes	Comments
For self-assessable and assessab	ole development	
Protection of matters of environ	nmental significance	
PO1 Development protects matters of environmental significance.	AO1.1 Development avoids significant impact on the relevant environmental values. or  AO1.2 A report is prepared by an appropriately qualified person demonstrating to the satisfaction of the assessment manager, that the development site does not contain any matters of state and local environmental significance. or  AO1.3 Development is located, designed and operated to mitigate significant impacts on environmental values. For example, a report certified by an appropriately qualified person demonstrating to the satisfaction of the assessment manager, how the proposed development mitigates impacts, including on water quality, hydrology and biological processes.	Complies. A dwelling is acceptable development on this allotment. In addition, this is a modest 1 bedroom dwelling of minimal proportions, with 3 ancillary buildings, 2 of which will encourage open living.
Management of impacts on maisignificance	tters of environmental	
PO2 Development is located, designed and constructed to avoid significant impacts on matters of environmental significance.	AO2 The design and layout of development minimises adverse impacts on ecologically important areas by: (oo) focusing development in cleared areas to protect existing habitat; (pp) utilising design to consolidate density and preserve existing habitat and native vegetation; (qq) aligning new property boundaries to maintain ecologically important areas; (rr) ensuring that alterations to natural landforms, hydrology and drainage patterns on the development site do not negatively affect ecologically important areas; (ss) ensuring that significant fauna	Complies

Performance outcomes	Acceptable outcomes	Comments
	habitats are protected in their environmental context; and (tt) incorporating measures that allow for the safe movement of fauna through the site.	
PO3 An adequate buffer to areas of state environmental significance is provided and maintained.	AO3.1 A buffer for an area of state environmental significance (Wetland protection area) has a minimum width of: (uu) 100 metres where the area is located outside Urban areas; or (vv) 50 metres where the area is located within a Urban areas. or  AO3.2 A buffer for an area of state environmental significance is applied and maintained, the width of which is supported by an evaluation of environmental values, including the function and threats to matters of environmental significance.	n/a
PO4 Wetland and wetland buffer areas are maintained, protected and restored. Note – Wetland buffer areas are identified in AO3.1.	AO4.1 Native vegetation within wetlands and wetland buffer areas is retained. AO4.2 Degraded sections of wetlands and wetland buffer areas are revegetated with endemic native plants in patterns and densities which emulate the relevant regional ecosystem.	n/a
PO5 Development avoids the introduction of non-native pest species (plant or animal), that pose a risk to ecological integrity.	AO5.1 Development avoids the introduction of non-native pest species. AO5.2 The threat of existing pest species is controlled by adopting pest management practices for long-term ecological integrity.	Complies. Identification of a lantana like weed in the existing clearing will be required, with appropriate management to follow.
Ecological connectivity		
PO6 Development protects and enhances ecological connectivity and/or habitat extent.	AO6.1 Development retains native vegetation in areas large enough to maintain ecological values, functions and processes. and AO6.2 Development within an ecological	Complies. Less than 7% of the property will be used for the dwelling, leaving approximately 93% of the property as untouched remnant vegetation.

Performance outcomes	Acceptable outcomes	Comments
	corridor rehabilitates native vegetation.	
	and	
	AO6.33  Development within a conservation corridor mitigates adverse impacts on native fauna, feeding, nesting, breeding and roosting sites and native fauna movements.	
PO73 Development minimises disturbance to matters of state environmental significance (including existing ecological corridors).	AO7.1 Development avoids shading of vegetation by setting back buildings by a distance equivalent to the height of the native vegetation. and	Complies. 3.8m is the maximum height of any of the buildings, with the greater majority of the dwelling part having a clearance of approximately 4m from adjacent vegetation.
	AO7.2 Development does not encroach within 10 metres of existing riparian vegetation and watercourses.	Complies. The closest building will be greater than 10m from an adjacent creek bank.
Waterways in an urban area		
Waterways in an urban area	1001	
PO8 Development is set back from waterways to protect and maintain: (ww) water quality; (xx) hydrological functions; (yy) ecological processes; (zz) biodiversity values;	AO8.1 Where a waterway is contained within an easement or a reserve required for that purpose, development does not occur within the easement or reserve; or AO8.2	n/a
(aaa) riparian and in-stream habitat values and connectivity; (bbb) in-stream migration.	Development does not occur on the part of the site affected by the waterway corridor.	n/a
Waterways in a non-urban area		
PO9 Development is set back from waterways to protect and maintain: (ccc) water quality; (ddd) hydrological functions; (eee) ecological processes; (fff) biodiversity values; (ggg) riparian and in-stream habitat values and connectivity; (hhh) in-stream migration.	AO9 Development does not occur on that part of the site affected by a waterway corridor.	Complies. The closest building will be greater than 10m from an adjacent creek bank.

#### — Widths of waterway corridors for waterways

Waterways classification	Waterway corridor width
Waterways in Urban areas	10 metres measured perpendicular from the top of the high bank.
Waterways in Other areas	For a dwelling house, 10 metres measured perpendicular from the top of the high bank. For all other development, 20 metres measured perpendicular from the top of the high bank.

#### CONCLUSION

The development application seeks a Development Permit for Material Change of Use for the purpose of a single dwelling house and generator shed on land described as L514 RP742056, Silver Ash Road, COW BAY.

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



# **Site Classification**

# And

# Wastewater Management System

For

Barbara Lloyd

At

Lot 514 Silver Ash Road

**Cow Bay** 

Postal address: Earth Test, PO Box 1042, Tolga, Qld 4882. Phone: 4095 4734

e-mail: len@earthtest.com.au



#### **INTRODUCTION:**

Earth Test has been engaged by Barbara Lloyd to assess, design and report on Site Classification and a Domestic Wastewater Management System at Lot 514 Silver Ash Road, Cow Bay.

Real Property Description:-

Lot 514, on RP 742056

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 April 2018.

## **SITE FACTORS:**

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

The Lot has an area of 1.075 hectares and is predominantly covered with rainforest.

The water supply to the site will be onsite roof rain water only.

An intermittent watercourse is shown on the site plan.

One borehole BH1 was sampled to confirm soil depth, type and structure.

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



Proposed dwelling location at Lot 514 Silver Ash Road, Cow Bay

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# **SITE INVESTIGATION REPORT**

# **BOREHOLE LOG**

CLIENT: Barbara Lloyd. DATE SAMPLED: 4/04/2018

**PROJECT:** Lot 514 Silver Ash Road, Cow Bay. Sampled by: L. Quinn

**REPORT DATE:** 23/07/2018

**BOREHOLE No: BH1** 

BOREHOLE No: BH1				
DEPTH (m)	DESCRIPTION	COMMENTS		
		Disturbed sample 0.6- 0.9m.		
		Watertable not encountered		

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QBSA Lic No. 1017941.

# **ATTERBERG LIMITS TEST REPORT**

CLIENT: Barbara Lloyd SAMPLE No: SI 120-18

**PROJECT:** Lot 514 Silver Ash Road, Cow Bay **DATE SAMPLED:** 4/04/2018

SAMPLE DETAILS: Sampled by: L. Quinn

**REPORT DATE:** 23/07/2018 **Tested By:** B. Wyatt

TEST METHOD	RESULT	
Liquid Limit: AS 1289.3.1.2	53%	
Plastic Limit: AS 1289.3.2.1	39%	
Plasticity Index: AS 1289.3.3.1	14%	
Linear Shrinkage: AS 1289.3.4.1	13.0%	
Length Of Mould:	250.1mm	
Cracking, Crumbling, Curling, Number Of Breaks:	Three Breaks	
Sample History:	Air Dried	
Preparation Method:	Dry Sieved	
Insitu Moisture Content:	30.0%	
% Passing 0.075mm:	62%	

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## **SITE CLASSIFICATION**

#### Lot 514 Silver Ash Road, Cow Bay.

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

The Atterberg Limits test results indicate a moderately reactive soil.

Due to the "Abnormal moisture conditions", the site must be classified <u>CLASS-"P</u>". 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.

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### **SITE AND SOIL EVALUATION**

#### Lot 514 Silver Ash Road, Cow Bay.

The site and soil evaluation carried out on 04/04/2018 provided the following results.

#### **Site Assessment**

Site Factor	<u>Result</u>
Slope	3 Degrees
Shape	Linear-Planar
Aspect	North North-West

Exposure Extremely limited (Rainforest)

Erosion/land slip Not noted.

Boulders/rock outcrop Not encountered Vegetation Rainforest.

Watercourse/Bores As shown on site plan.

Water table Not encountered during investigation. Fill Not encountered during investigation.

Flooding Not likely.
Channelled run-off Not found
Soil surface conditions Firm, Moist
Other site specific factors Not Noted

#### Soil Assessment

Soil Property	<u>Result</u>
Colour	Red-Brown
Texture	Clay-Loam
Structure	High
Coarse Fragments	30%
Measured Permeability Ksat (m/d)	Not measured
Dispersion	Slakes

Dispersion Sla
Soil Category 4
Resultant Design Load Rate, DLR (mm/day) 30

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#### 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 2002.
- Queensland STANDARD PLUMBING AND DRAINAGE REGULATION 2003.
- Queensland PLUMBING AND WASTEWATER CODE.

#### **SYSTEM SIZING FACTORS.**

A population equivalent of six (6) persons has been chosen for the proposed four bedroom dwelling.

The site is 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 "Onsite roof rain water supply" gives a flow allowance of 120 L/Person/day.

The daily flow for the dwelling (6 persons @ 120 L/person/day) will be 720 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 = 720/(30\*1.9)= 12.6m.

#### Use one 12.6m long by 1.9m wide 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.

## **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.

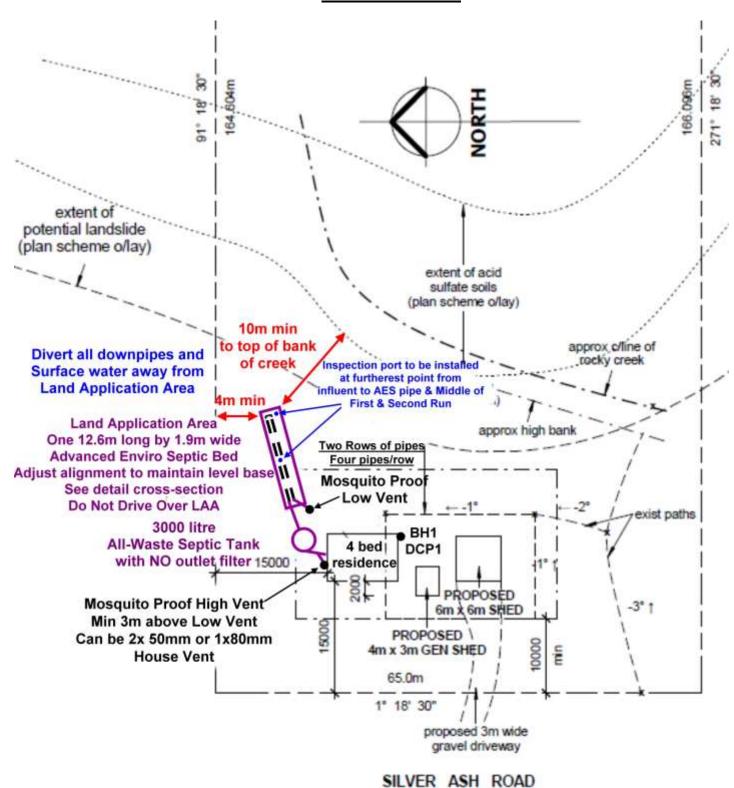
Leonard Quinn Earth Test

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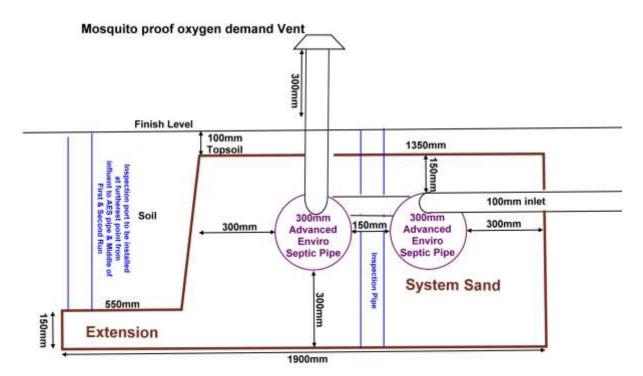
QBSA Lic No. 1017941.

# SITE PLAN Lot 514 Silver Ash Road, Cow Bay. NOT TO SCALE



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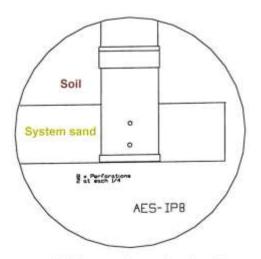




Entire base must be scarrified 200mm deep parallel To AES Pipes

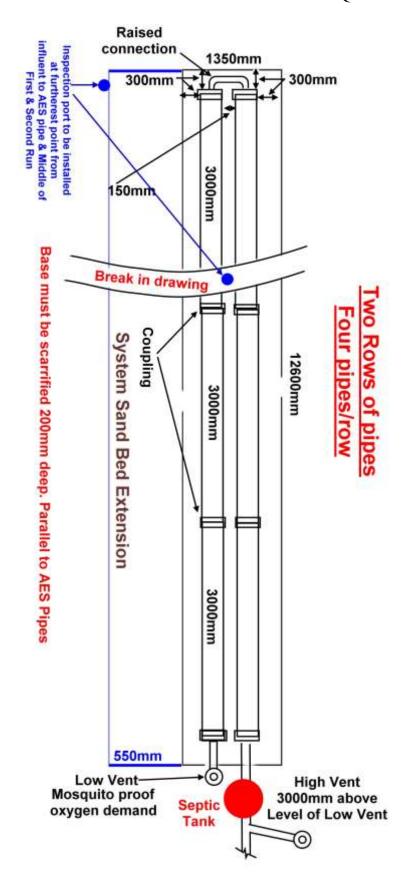
1900mm Wide Two Pipe

Advanced Enviro-Septic Cross-Section



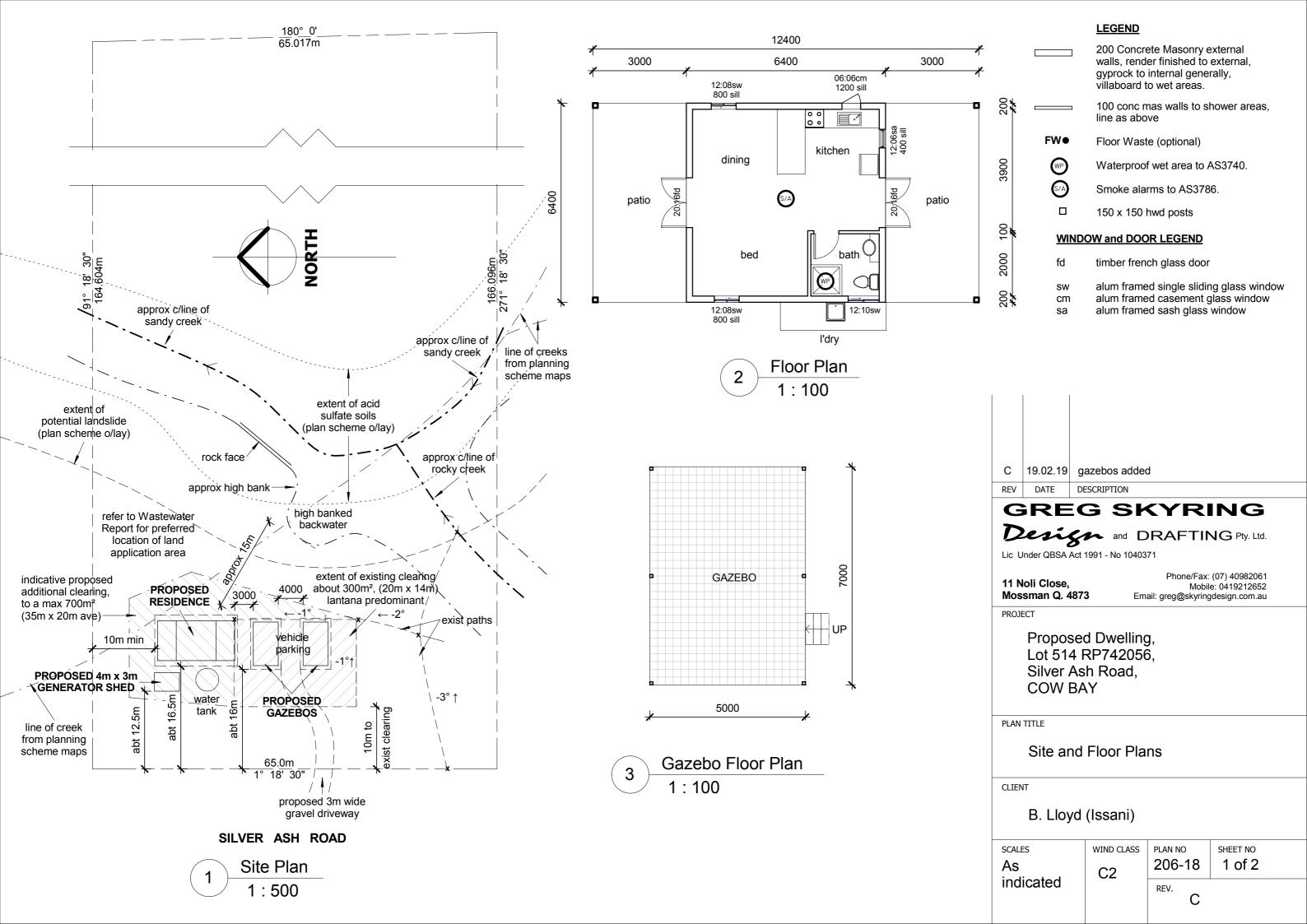
**AES Inspection point detail** 

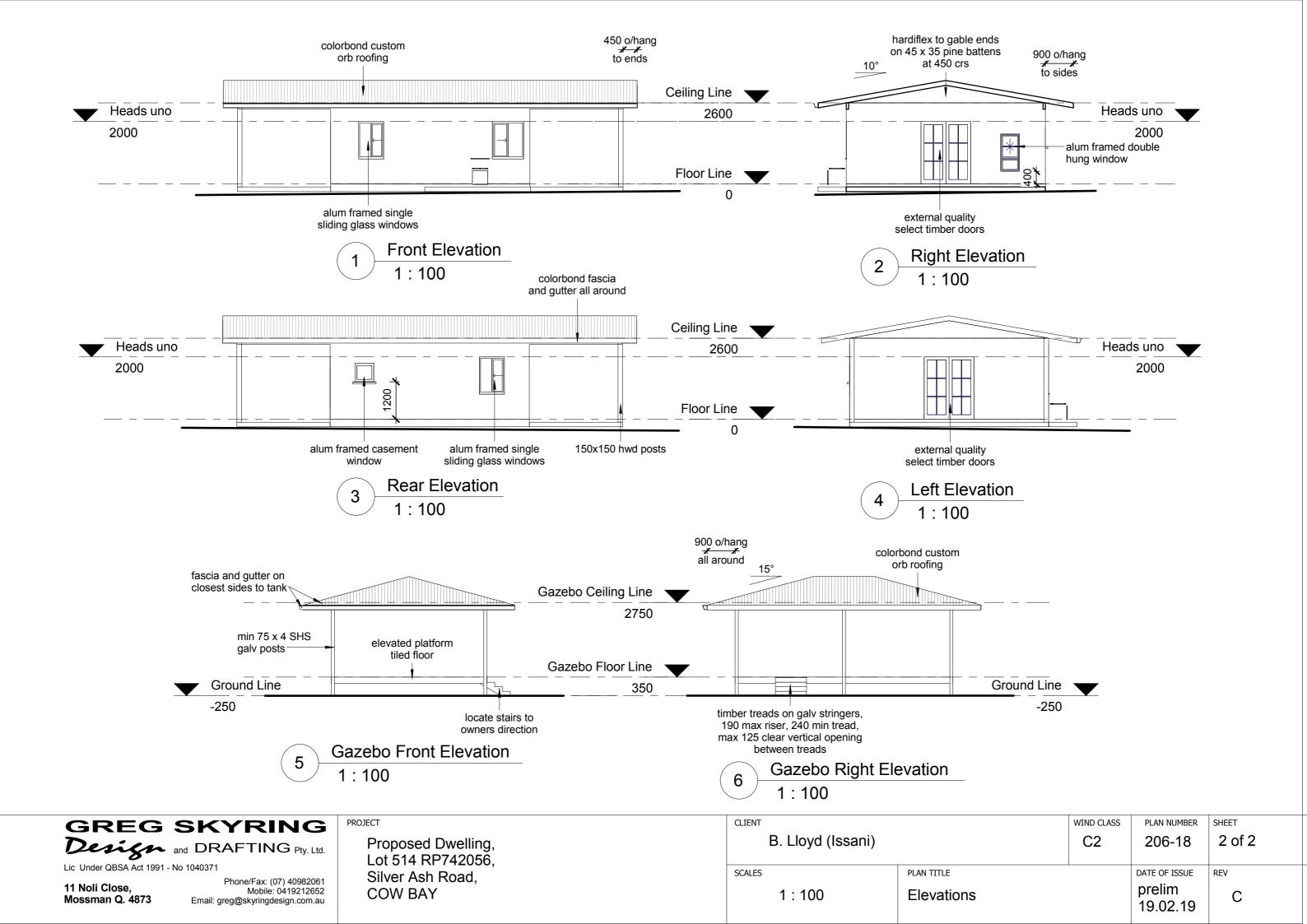
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QBSA Lic No. 1017941.

W13-0		espiton	minut.	site and	son conun	tions rule it	out.
Address Lot 514 Silv	ver Ash Roud, Cow Bay			State	Q	Post Code	
Client Name Issant							
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Lin- lumber		Number Plumber Ph			7	Plumb / Drainer	
Council Propoles St.		Number Designers AE	s			Lic Number	
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	Bore log depth below system Basel area	1200	>> M	lin depth be	dow basel area	is 600 mm to est	tablish water tabl
Enter System footp	rint Slope in % for standard AES systems to calculat		>> (	Consideratio	n required for	Sloping sites, R	ef AS1547, refer o
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I, Barbara Lloyd	[Insert full name.]
as owner/s of the premises identified as follows:	3
L514 RP742056, Silver Ash Road, Cow Bay	
consent to the making of a development application by:	
Greg Skyring Design and Drafting Pty Ltd	
on the premises described above for:	
Development application - Material change of use	
Balloud	[signature of owner and
27	date signed] 7 • 0 9 • 2 0 1 8

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