GMA Certification Group Pty Ltd BUILDING SURVEYORS

Queensland's leaders in Building Certification Services



PORT DOUGLAS OFFICE

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10 August 2018

The Chief Executive Officer Douglas Shire Council PO Box 723 MOSSMA Q 4877

Attention: Development Assessment

Dear Sir,

Re: Material Change of Use Application

Proposed Dwelling – 12 Ives Avenue, Wonga Beach

Lot 5 SP892256

GMA Certification Group have been engaged to assess an application for the construction of a dwelling on the abovementioned property. The property is within the Flood and Storm Tide Inundation overlay (Storm Tide Medium Hazard & Floodplain Assessment Overlay).

Accordingly, the application for Material Change of Use is enclosed for Council's assessment, which includes:

- 1. DA forms 1;
- 2. Assessment against the applicable Acceptable Solutions & Outcomes of the overlay Code;
- 3. Waste Water Report
- 4. 1 x copy of plans
- Owners consent;

Assessment - Flood & storm tide hazard overlay code

The following table provides an assessment of the proposed development with regards to Performance Outcomes of the flood & storm tide hazard overlay code.

	Flood and storm tide hazards	overlay code
Performance Outcomes	Acceptable Outcomes	Comment
For assessable and self ass	sessable development	
PO1 Development is located	For dwelling houses, AO1.2	The dwelling is to be constructed within a developed area of Wonga Beach and
and designed to:	Development within the	will therefore have a similar floor level to
ensure the safety of all	Flood and Storm Tide	existing dwellings in the vicinity.
persons;	hazards overlay maps	
minimise damage to the	(excluding the Flood plain	The current ground level where the
development and	assessment sub-category) is	dwelling is to be constructed is
contents of buildings;	designed to provide	approximately 2.8m AHD. The building
provide suitable	immunity to the Defined	platform will be raised to 3.30m AHD and
amenity;	Inundation Event as	the finished floor level of the dwelling
minimise disruption to	outlined within	will be approximately 3.685m AHD.
residents, recovery time,	Table 8.2.4.3.b plus a	
and rebuilding or	freeboard of 300mm.	It is considered the proposed finished
restoration costs after	AO1.3	floor level of 3.685m AHD will provide an
inundation events	New buildings are:	acceptable level of flood immunity
	(a) not located within the	consistent with other dwellings in the
	overlay area;	vicinity.
	(b) located on the highest	
	part of the site to minimise entrance of flood	
	waters;	
	(c) provided with clear and	
	direct pedestrian and	
	vehicle evacuation routes off	
	the site.	
	AO1.4	
	In non urban areas, buildings	NA
	and infrastructure	
	are set back 50 metres from	
	natural riparian	
	corridors to maintain their	
	natural function of	
	reducing velocity of	
	floodwaters.	
PO3	For Material change of use	The proposed dwelling will be located on
Development siting and	AO3.1	the highest part of the site so as to
layout responds to	New buildings are:	minimize the entrance of flood waters.
flooding potential and	(d) not located within the	
maintains personal	overlay area;	To the owner's knowledge the property
safety	(e) located on the highest	has not been inundated previously.
	part of the site to	Therefore, the proposed floor level is
	minimise entrance of flood	above any perceived flooding potential
	waters;	other than that projected out to 80 years.
		years.

	(0)	
	(f) provided with clear and	Chould flooding be applied at 150000
	direct pedestrian and	Should flooding be envisaged from a
	vehicle evacuation routes off	cyclonic event, there are early
	the site.	mandatory evacuation periods for which
	Or	residents can evacuate the site, should
	AO3.2	this be necessary.
	The development	
	incorporates an area on site	
	that is at least 300mm above	
	the highest known	
	flood inundation level with	
	sufficient space to	
	accommodate the likely	
	population of the	
	development safely for a	
	relatively short time until	
	flash flooding subsides or	
	people can be	
	evacuated.	
	or	
	AO3.3	NA
	Where involving an extension	
	to an existing	
	dwelling house that is	
	situated below DFE /Storm	
	tide, the maximum size of the	
	extension does not	
	exceed 70m2 gross floor area.	
	AO3.1	NA
	The design and layout of	
	buildings used for	
	residential purposes minimise	
	risk from flooding	
	by providing:	
	(a) parking and other low	
	intensive, non-habitable	
DOC	uses at ground level;	No manufacture and the second
PO6	AO6.1	No manufacture or storage of hazardous
Development avoids the	Materials manufactured or	or noxious materials is proposed.
release of hazardous	stored on site are not	
materials into	hazardous or noxious, or	
floodwaters.	comprise materials that	
	may cause a detrimental	
	effect on the	
	environment if discharged in	
	a flood event;	
	or	
	AO6.2	
	If a DFE level is adopted,	
	structures used for the	
	manufacture or storage of	
	hazardous materials	
	Hazaraous materiais	

	I	<u> </u>
	are:	
	(a) located above the DFE	
	level;	
	or	
	(b) designed to prevent the	
	intrusion of	
	floodwaters.	
	AO6.3	
	Infrastructure is designed and	
	constructed to	
	resist hydrostatic and	
	hydrodynamic forces as a	
	result of inundation by the	
	DFE.	
	AO6.4	
	If a flood level is not adopted, hazardous	
	materials and their	
	manufacturing equipment are	
	located on the highest part of	
	the site to enhance	
	flood immunity and designed	
	to prevent the	
	intrusion of floodwaters.	
PO7	AO7	The proposal is for one dwelling.
The development	Development does not:	Therefore, the proposal does not affect
supports, and does not	(a) increase the number of	envisaged disaster management
unduly	people calculated to	response or recovery capabilities.
burden, disaster	be at risk of flooding;	
management response	(b) increase the number of	Evacuation is self-managed at times of a
or	people likely to need	cyclonic event with long lead times for
recovery capacity and	evacuation;	mandatory evacuation.
capabilities.	(c) shorten flood warning	,
	times; and	Wonga Beach is a small community
	(d) impact on the ability of	therefore, evacuation routes will not be
	traffic to use	blocked by excessive traffic.
	evacuation routes, or	Stocked by excessive truffic.
	unreasonably increase	
	traffic volumes on evacuation	
	routes.	

Should you require any further information or wish to discuss the application, please contact me on 4098 5150 or by email adminpd@gmacert.com.au

Kind Regards,

GMA Certification Group

BUILDING, DEVELOPMENT, PLUMBING & POOL DEPARTMENT CONSENT FORM - LOCAL AUTHORITY

Date: 29/6/12	3
ATTENTION: LOCAL AU POOL DEPARTMENT	JTHORITY BUILDING, DEVELOPMENT, PLUMBING 8
Dear Sir/Madam,	
RE: LOT <u>5 IVES</u> RP/SP	AVE, WONGA BEACH
	opical Living Pty Ltd authorization to sign all necessary behalf in order to obtain council approval.
with approved plans, spec	at the construction will be carried out in accordance iffications and other documents and in accordance with 391 and the Standard Building By-Laws.
Signature of Owner DALLAS	FAYE WALKER

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)	NQ HOWES
Contact name (only applicable for companies)	CINDY SMALL
Postal address (P.O. Box or street address)	CI-GMA CERTIFICATION GROUP
Suburb	P.O. BOX 831 POPT DOUGLAS
State	our,
Postcode	4877
Country	
Contact number	4098 5150
Email address (non-mandatory)	adminpdognacent, com-au
Mobile пumber (non-mandatory)	100
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	

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



PART 2 - LOCATION DETAILS

Note: P						3) as applicable) premises part of the developmen	f application. For further information, see <u>DA Forms</u>
3.1) St	reet address	s and lot	on pla	an			
☑ Str	eet address	AND lot	on pla	an (a <i>ll k</i>	ots must be liste	ed), or	
Stre	eet address ining or adjace	AND lot nt to land e	on pla g.g. jetty	an for a , ponto	an adjoining on; all lots must	or adjacent property of the be listed).	premises (appropriate for development in water
	Unit No.	Street I	No.	Stree	t Name and	Туре	Suburb
2)		12	,	1	VES 1	AVENUE	WUNGA BEACH
a)	Postcode	Lat No.		Plan	Type and Nu	ımber (e.g. RP, SP)	Local Government Area(s)
	4873	5		+	RC 89	2256	DOUGLAS
	Unit No.	Street I	No.	Stree	t Name and	Туре	Suburb
				_			
b)	Postcode	Lot No.		Plan	Type and Nu	ımber (e.g. RP, SP)	Local Government Area(s)
İ					<u> </u>		
3.2) Co	ordinates o	f premis	es (api	oropriate	e for developme.	nt in remote areas, over part of a	lot or in water not adjoining or adjacent to land e.g.
channel	dredging in Mo	ireton Bay))				
						set of coordinates is required fo	r this part.
		premise			le and latitud		
Longite	ide(s)		Latiti	ude(s)	<u> </u>	Datum	Local Government Area(s) (if applicable)
						☐ WGS84	
						│	
ПС	ardinates of	promisor	e by a	actina	and northing		***************************************
•			ing(s)		Zone Ref.	Datum	Local Covernment Area/a) //
Easting	3(9)	Notus	iriy(s)		_		Local Government Area(s) (if applicable)
					☐ 54 ☐ 55	│	•
					☐ 56	Other:	
3.3) Ac	Iditional prei	mises					
			releva	ent to t	his developn	nent application and their	details have been attached in a schedule
to this	application						
☑ Not	required						
45.1.1	er cu			,			
						nises and provide any rele	vant details
	-		_			in or above an aquifer	
	of water bod	* ·			 		
	- ,				•	tructure Act 1994	
	plan descrip		-	•	land:		•
	of port author	ority for the	he lot:				
<u> </u>	tidal area						***
					area (il applica	ble):	
Name	of port author	rity for ti	dal ar	ea (if a	pplicable):		
On	airport land	under th	e <i>Airp</i>	ort As	sets (Restruc	cturing and Disposal) Act	2008
Name	of airport:						
List	ed on the Er	nvironme	ental M	lanage	ement Regist	ter (EMR) under the <i>Envir</i>	onmental Protection Act 1994
EMR s	ite identificat	tion:					

☐ Listed on the Contaminated Lan CLR site identification:	nd Register (CLR) under the E	invironmental Protection Act 19	94
5) Are there any existing easement Note: Easement uses vary throughout Quee	ensland and are to be identified corre	ctly and accurately. For further informat	ion on easements and how
they may affect the proposed development, Yes – All easement locations, ty		ded in plans submitted with this	s development
application No			
PART 3 – DEVELOPMEN	IT DETAILS		
Section 1 - Aspects of develop	pment		
6.1) Provide details about the first of	development aspect		
a) What is the type of development	? (tick only one box)		
☑ Material change of use	Reconfiguring a lot	Operational work	Building work
b) What is the approval type? (tick of	nly one box)		
Development permit	Pretiminary approval	☐ Preliminary approval that in a variation approval	ncludes
c) What is the level of assessment?	?		
Code assessment	☐ Impact assessment (require	s public notification)	
d) Provide a brief description of the lots):			
PROPOSED ON	verline of As	pacuted aarag	ર્દ
e) Relevant plans Note: Relevant plans are required to be sub Relevant plans.	mitted for all aspects of this develop	nent application. For further information	o, see <u>DA Forms guide:</u>
Relevant plans of the proposed	development are attached to	the development application	
6.2) Provide details about the secon	nd development aspect		
a) What is the type of development	? (tick only one box)		
☐ Material change of use	Reconfiguring a lot	Operational work	☐ Building work
b) What is the approval type? (tick of	nly one box)		
Development permit	Preliminary approval	☐ Preliminary approval that in approval	ncludes a variation
c) What is the level of assessment?	•		
☐ Code assessment	Impact assessment (require	s public notification)	
d) Provide a brief description of the	proposal (e.g. 6 unit apartment bu	ilding defined as multi-unit dwelling, red	configuration of 1 lot into 3 lots)
e) Relevant plans Note: Relevant plans are required to be sub. Relevant plans.	mitted for all aspects of this develops	nent application. For further information	ı, see <u>DA Forms Guide:</u>
Relevant plans of the proposed	development are attached to	the development application	
6.3) Additional aspects of developm	nent		
☐ Additional aspects of developme that would be required under Part 3 ☑ Not required			

Section 2 – Further develo	pment details	S			
7) Does the proposed develop	ment application	involve any of the fol	lowing?		
Material change of use	Yes – com	plete division 1 if asse	ssable agains	t a local planning instr	ument
Reconfiguring a lot		plete division 2			
Operational work	Yes - com	plete division 3			
Building work	☐ Yes – com	olete DA Form 2 – Bu	ilding work de	tails	
Division 1 — Material change Note: This division is only required to be planning instrument. 8.1) Describe the proposed ma	completed if any p		lication involves a	material change of use ass	essable egainst a i
Provide a general description or proposed use	f the Prov	ide the planning sche de each definition in a new		Number of dwelling units (if applicable)	Gross floor area (m²) (if applicable)
PROPOSED DURALING	<u> </u>	remor b	రిలికిళ్	1	125 m2
8.2) Does the proposed use inv	olve the use of	existing buildings on t	he premises?		
Yes	0110 1110 1100 01	Choing ballangs of	ine premises:		
No.					
9.2) What is the nature of the log Subdivision (complete 10)) Boundary realignment (comp		☐ Dividing lan☐ Creating or	d into parts by	agreement (complete 1 easement giving acces	
10) Subdivision					
10.1) For this development, how				ded use of those lots:	
Intended use of lots created	Residential	Commercial	Industrial	Other, please	specify:
Number of lots created					
10.2) Will the subdivision be sta	iged?				
☐ Yes – provide additional det ☐ No	ails below	***************************************		0.00	
. —	n include?	70.09700		,	
How many stages will the work					
What stage(s) will this developr apply to?	пептарысаноп				
11) Dividing land into parts by a parts?	igreement – hov	w many parts are bein	g created and	what is the intended u	tse of the
Intended use of parts created	Residential	Commercial	Industrial	Other, please	specify:
Number of parts created					

12) Boundary realig 12.1) What are the		roposed areas	for each lot com	prising the premises?		
	Curren	it lot			Propose	d lot
Lot on plan descrip	tion	Area (m²)		Lot on plan description	•	Area (m²)
201011		1 , 2 _ (,,,)		zor on plan accompan		, a ca (iii)
						
		L				
12.2) What is the re	eason for the b	poundary reali	gnment?			
						<u></u>
13) What are the di dattach schedule if there			existing easeme	nts being changed and	or any p	roposed easement?
Existing or	Width (m)	Length (m)	Purpose of the e	asement? /o =	Identify	the land/lot(s)
proposed?	************	Lengar (m)	pedestrian access)	asement: (e.g.		ed by the easement
				<u> </u>		
					<u> </u>	
	<u> </u>				!	
Division 3 – Opera	tional work					
		ompleted if any pa	art of the development	application involves operation	onal work.	
14.1) What is the na	ature of the or	perational worl	< ?			
☐ Road work		. <u> </u>] Stormwater	☐ Water in	frastructi	ıre
☐ Drainage work			j Earthworks	☐ Sewage	infrastru	cture
☐ Landscaping	_] Signage	☐ Clearing	vegetati	on
☐ Other – please	specify:					
	_					
14.2) Is the operation	onal work nec	essary to facili	itate the creation o	of new lots? (e.g. subdivis	sion)	
Yes - specify nu	ımber of new	lots:				
□No						
	onetary value	of the propos	ed operational wo	ork? (include GST, material	s and lahou	ır)
\$	onetary value	Or the propos	ed oporational vic	TRE (Indiade GGT, Material	s and labor	")
[*						
PART 4 - ASS	ESSMEN	TMANAG	ER DETAIL	3		
TAKI 4 - AOO	LOOMEI	1 1817-1147-0	, LIV DE IAIL	5		
15) Identify the asse	essment mana	ager(s) who w	i∥ be assessing th	is development applica	ation	
			COUNC			
				nning scheme for this d	lovelenm	ont application?
					evelopiti	ент арріїсацон?
I · · ·			ed to this develop	oment application planning scheme requ	aet – rola	want documents
attached	in is taken to t	iave agreed to	o ule superseueu	planning scheme requ	C91 1 C10	vant documents
IZ No						
PART 5 - REF	ERRAL D	ETAILS				
				l for any referral require	ements?	
Note: A development ap						
No, there are no	referral requi	rements releva	ant to any develor	oment aspects identifie	d in this	development
application - proces						
Matters requiring re		hief executive	of the Planning	Regulation 2017:		
Clearing native \	_					
Contaminated la	nd (unexploded	ordnance)				

18) Has any referral agency pro	vided a referral response for	this development ap	plication?
Yes – referral response(s) re	· · · · · · · · · · · · · · · · · · ·		
□No			
Referral requirement	Referral agency	<u>.</u>	Date of referral response
			n that was the subject of the referral ails in a schedule to this development
PART 6 – INFORMATION	ON REQUEST		
19) Information request under F	Part 3 of the DA Rules		
agree to receive an information	•	·	
☐ I do not agree to accept an i Note: By not agreeing to accept an info			n
that this development application will	be assessed and decided based on	the information provided v	when making this development application and
the assessment manager and any re additional information provided by the			obligated under the DA Rules to accept any the relevant parties
Part 3 of the DA Rules will still apply	• •		he DA Rules.
Further advice about information reque-	sts is contained in the <u>DA Forms Gui</u>	<u>de</u> ,	
PART 7 – FURTHER D	ETAILO		
PART I - FORTHER D	ETAILS		
20) Are there any associated de	evelopment applications or cu	rrent approvals? (e.g.	a preliminary approval)
20) Are there any associated de Yés – provide details below			
☐ yés – provide details below			
│	or include details in a schedu	le to this developmer	nt application
	or include details in a schedu	le to this developmer	nt application
	or include details in a schedu	le to this developmer	nt application
	or include details in a schedu	le to this developmer	nt application
	or include details in a schedu Reference number	Date	nt application
	Reference number ce leave levy been paid? (only	Date Date applicable to developmen	Assessment manager Assessment manager
	Reference number se leave levy been paid? (only	Date Date applicable to development of the receipted QLe.	Assessment manager t applications involving building work or ave form is attached to this
	Reference number se leave levy been paid? (only nment/private certifier's copy vide evidence that the portable	Date Date applicable to development of the receipted QLe. e long service leave	Assessment manager I applications involving building work or ave form is attached to this levy has been paid before the
	Reference number ce leave levy been paid? (only nment/private certifier's copy vide evidence that the portable the development application.	Date Date applicable to development of the receipted QLe e long service leave I acknowledge that the	Assessment manager t applications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a
	Reference number ce leave levy been paid? (only nment/private certifier's copy vide evidence that the portable the development application.	Date Date applicable to development of the receipted QLe e long service leave I acknowledge that the	Assessment manager t applications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a
	Reference number ce leave levy been paid? (only nment/private certifier's copy vide evidence that the portable the development application.	applicable to development of the receipted QLe. e long service leave I acknowledge that the able long service lea	Assessment manager t applications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a
	Reference number ce leave levy been paid? (only nment/private certifier's copy vide evidence that the portable the development application. provide evidence that the portable provides that the portable provides evidence that the provides evidence the provides evidence that the provides evidence that the pro	applicable to development of the receipted QLe. e long service leave I acknowledge that the	Assessment manager **Tapplications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a tive levy has been paid
	Reference number Reference number ce leave levy been paid? (only nument/private certifier's copy vide evidence that the portable the development application. provide evidence that the portable paid (dd/mm/yy)	applicable to development of the receipted QLe e long service leave I acknowledge that the	Assessment manager Assessment manager t applications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a ne levy has been paid evy number (A, B or E)
	Reference number Reference number Releave levy been paid? (only nument/private certifier's copy vide evidence that the portable development application. provide evidence that the portable paid (dd/mm/yy)	applicable to development of the receipted QLe e long service leave I acknowledge that the	Assessment manager **Tapplications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a tive levy has been paid
	Reference number Reference number Releave levy been paid? (only nument/private certifier's copy vide evidence that the portable development application. provide evidence that the portable paid (dd/mm/yy)	applicable to development of the receipted QLe e long service leave I acknowledge that the	Assessment manager Assessment manager t applications involving building work or ave form is attached to this levy has been paid before the ne assessment manager may give a ne levy has been paid evy number (A, B or E)

23) Further legislative requirement								
Environmentally relevant activiti								
	23.1) Is this development application also taken to be an application for an environmental authority for an							
Environmentally Relevant Activity (ERA) under section 115 of the Environmental Protection Act 1994?								
	form EM941) for an application for an environmental authority accompanies this							
development application, and details are provided in the table below								
Note: Application for an environmental auth	ority can be found by searching "EM941" at www.qld.gov.eu. An ERA requires an environmental authority							
to operate. See <u>www.business.ald.gov.au</u> for Proposed ERA number:	Proposed ERA threshold:							
Proposed ERA name:	1 Toposed EIXA tillestiold.							
-	le to this development application and the details have been attached in a schedule							
to this development applica								
Hazardous chemical facilities								
23.2) Is this development application	n for a hazardous chemical facility?							
•	facility exceeding 10% of schedule 15 threshold is attached to this development							
application ☑ No								
Note: See www.justice.gld.gov.au for furthe	rinformation.							
Clearing native vegetation								
Clearing native vegetation 23.3) Does this development applic	ation involve clearing native vegetation that requires written confirmation the chief							
	ement Act 1999 is satisfied the clearing is for a relevant purpose under section 22A							
of the Vegetation Management Act	1999?							
☐ Yes – this development applicate Vegetation Management Act 1999	ion is accompanied by written confirmation from the chief executive of the							
No	SZZA determination)							
Note: See www.gld.gov.au for further inform	ation.							
Environmental offsets								
	n taken to be a prescribed activity that may have a significant residual impact on a							
	under the Environmental Offsets Act 2014?							
significant residual impact on a pre	vironmental offset must be provided for any prescribed activity assessed as having a scribed environmental matter							
No								
Note: The environmental offset section of the environmental offsets.	e Queensland Government's website can be accessed at <u>www.qld.gov.au</u> for further information on							
Koala conservation								
	ation involve a material change of use, reconfiguring a lot or operational work within							
an assessable development area u	nder Schedule 10, Part 10 of the Planning Regulation 2017?							
∏/tes								
Note: See guidance materials at www.ehp.e	id nov au for further information							
Water resources	in rather anormaloss.							
	ation involve taking or interfering with artesian or sub artesian water, taking or							
	ourse, lake or spring, taking overland flow water or waterway barrier works?							
= /	ompleted and attached to this development application							
No.	dilan ald any ny							
Note: DA templates are available from www.	aking or interfering with artesian or sub artesian water, taking or interfering							
	or spring, or taking overland flow water under the Water Act 2000?							
☐ Yes – Lacknowledge that a rele	ant water authorisation under the Water Act 2000 may be required prior to							

commencing development No			
Note: Contact the Department of Natural	Resources and Mines at <u>www.dnrm.gk</u>	d.gov.au for further information.	
Marine activities			
23.8) Does this development applicaturbance or destruction of m		orks within a declared fish ha	ibitat area or removal,
☐ Yes – an associated resource Fisheries Act 1994	allocation authority is attached	to this development application	, if required under the
No Note: See quidenes materials at usual del	inde and a second a		
Note: See guidance materials at www.dat			
Quarry materials from a watero			
23.9) Does this development applithe Water Act 2000?	ication involve the removal of	quarry materials from a water	rcourse or lake under
☐ Yes – I acknowledge that a qu☐ No	arry material allocation notice i	must be obtained prior to comm	encing development
Note: Contact the Department of Natural	Resources and Mines at <u>www.dnrm.qk</u>	1.gov.au for further information.	
Quarry materials from land und	er tidal waters		
23.10) Does this development ap the Coastal Protection and Manag		f quarry materials from land ເ	ınder tidal water under
☐ Yes – I acknowledge that a qu	arry material allocation notice i	must be obtained prior to comm	encing development
Note: Contact the Department of Environr	nent and Heritage Protection at <u>www.e</u>	hp.qld.gov.au for further information.	
Referable dams			
23.11) Does this development application 343 of the Water Supply (assessed under
Yes - the 'Notice Accepting a			ring the Water Supply
Act is attached to this developme	nt application		,,,,
No Note: See guidance materials at www.dev	un ald any ny far furthar informatian		
Tidal work or development with		triat	
23.12) Does this development ap			agement district?
Yes - the following is included	with this development applicat	ion:	
		evelopment that is prescribed ti	dal work (only required if
application involves prescribed tida	! work)		
☑No			
Note: See guidance materials at www.ehr	gld.gov.au for further information.		
Queensland and local heritage	<u>places</u>		
23.13) Does this development appearitage register or on a place el			in the Queensland
No	ace are provided in the table b		
Note: See guidance materials at www.ehr	<u>.qru.gov.au</u> tor information requiremen	· · · · · · · · · · · · · · · · · · ·	и пептаде рівсев.
Name of the heritage place:		Place ID:	
<u>Brothels</u>			
23.14) Does this development app	olication involve a material cha	ange of use for a brothel?	
☐ Yes – this development application arbrothel under Schedule 3 of			elopment application

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</i> Infrastructure Act 1994 (subject to the conditions in section 75 of the <i>Transport Infrastructure Act</i> 1994 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	☐ Yes ☑ Not applicable
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 <u>DA Forms Guide: Planning Report Template</u> .	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: Relevant plans</u> .	Yes
The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 21))	☐ Yes ☑ Not applicable

25) Applicant declaration

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

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

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

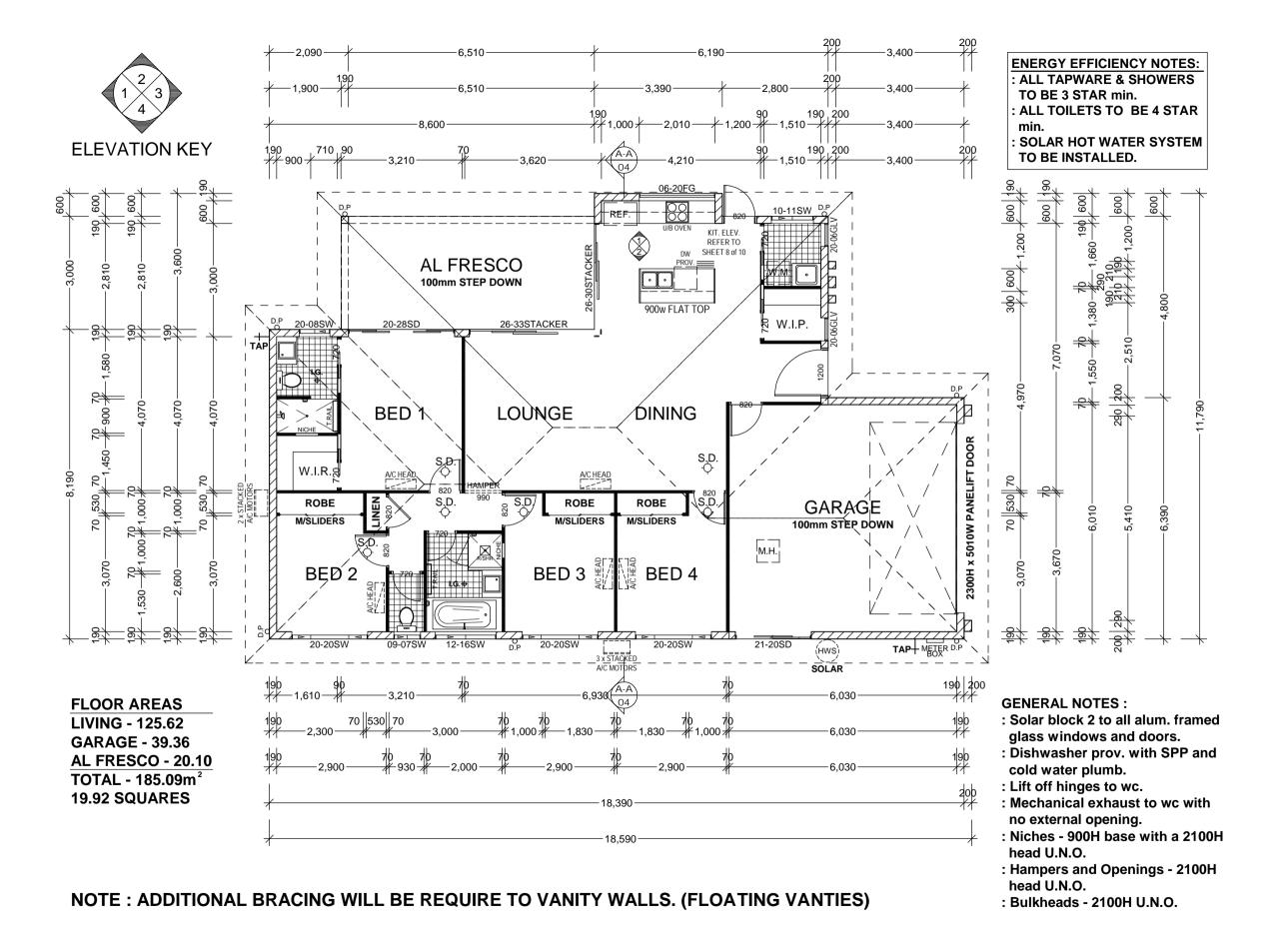
Personal information will not be disclosed for a purpose unrelated to the *Planning Act 2016*, Planning Regulation 2017 and the DA Rules except where:

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

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

PART 9 - FOR OFFICE USE ONL	Y
Date received: Refer	rence number(s):
Notification of engagement of alternative asses	sment manager
Prescribed assessment manager	
Name of chosen assessment manager	
Date chosen assessment manager engaged	
Contact number of chosen assessment manage	er
Relevant licence number(s) of chosen assessmenager	nent
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 ma	nager
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.





ABN: 73614916086 QBCC: 15031495 Address: P.O. BOX 863, Pt. DOUGLAS QId. 4877 Phone: (07)40985518 Fax: (07)40985512

FLOOR PLAN

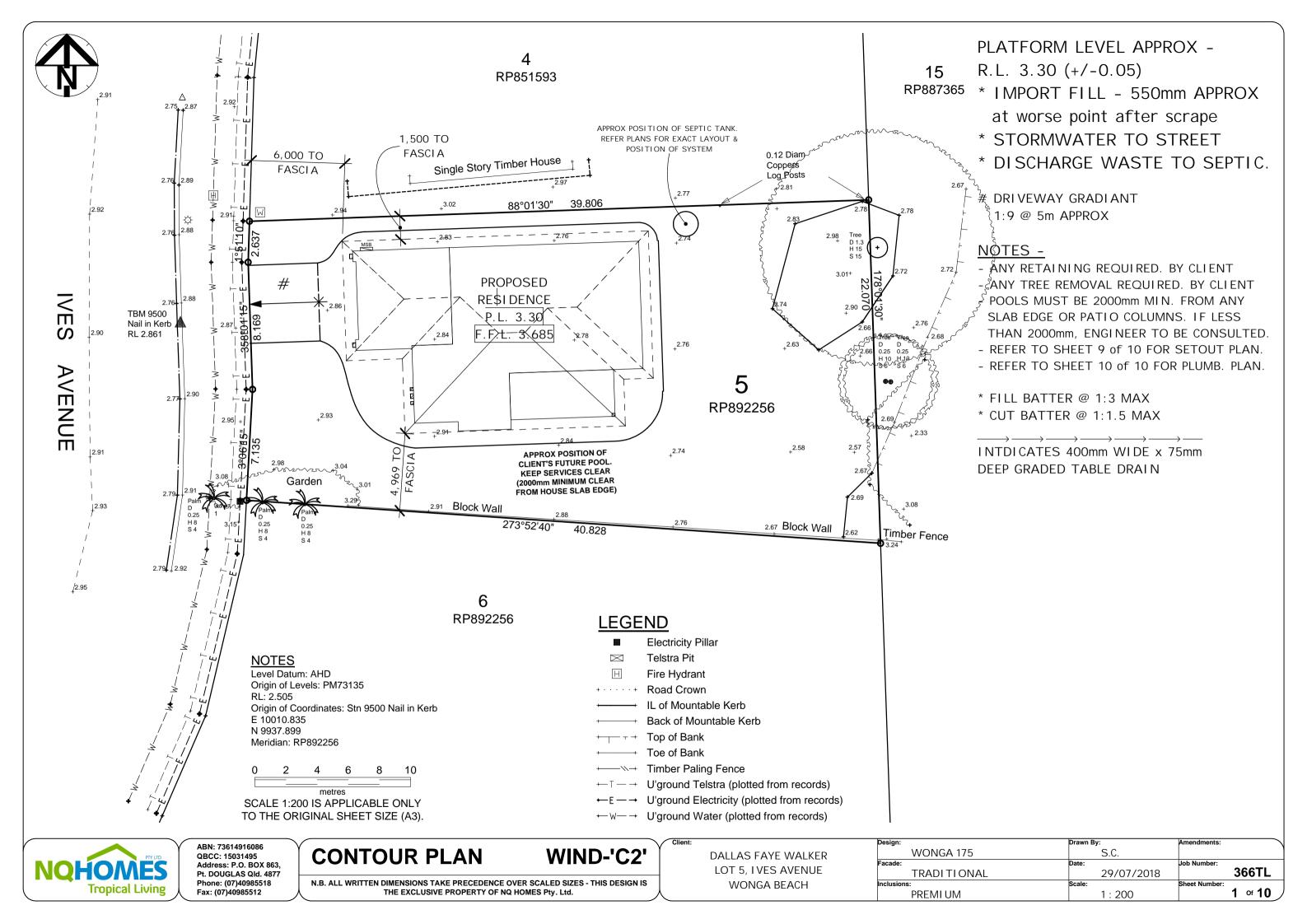
N.B. ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED SIZES - THIS DESIGN IS

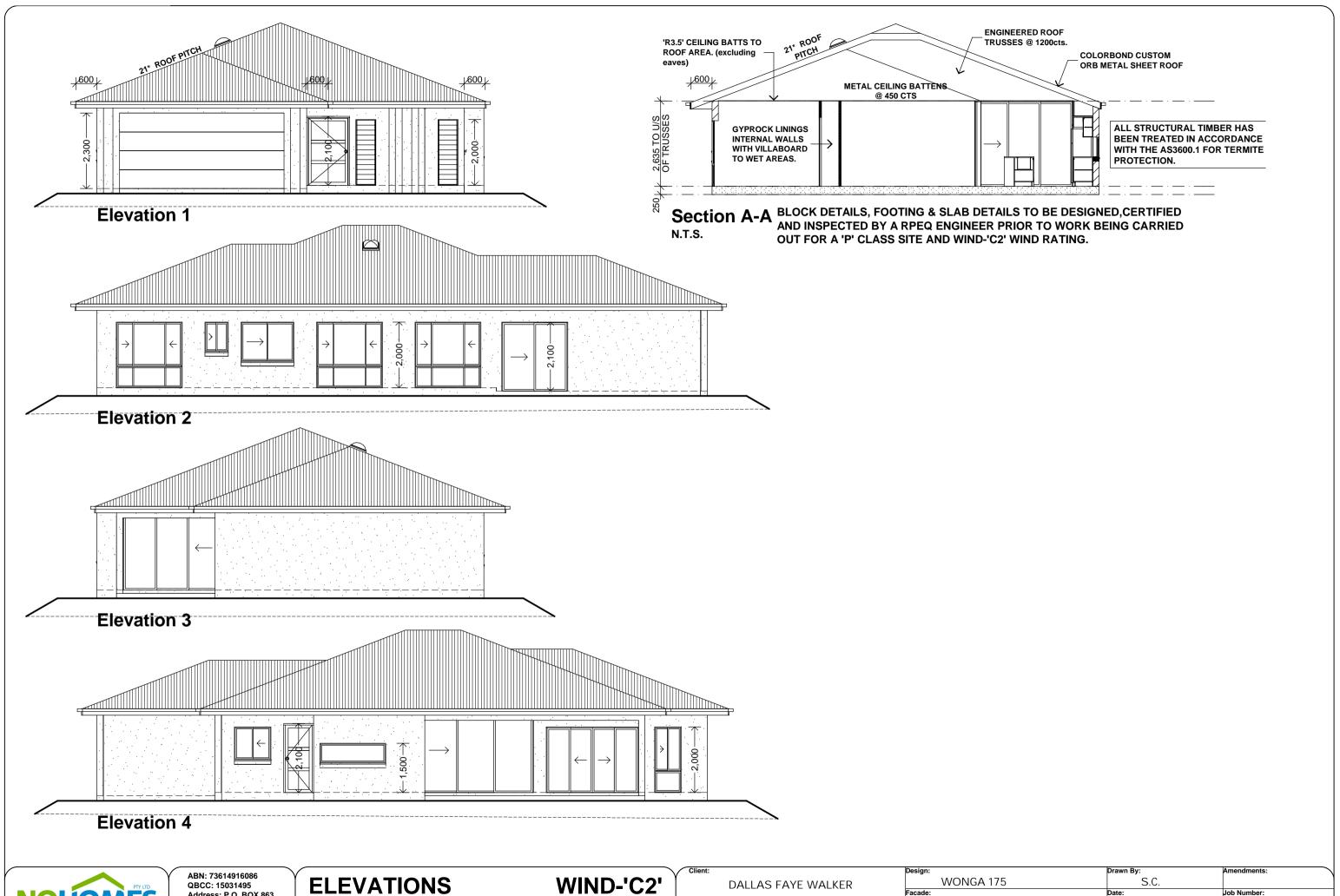
THE EXCLUSIVE PROPERTY OF NQ HOMES Pty. Ltd.

WIND-'C2'

DALLAS FAYE WALKER LOT 5, I VES AVENUE WONGA BEACH

Design:	Drawn By:	Amendments:
WONGA 175	S.C.	
Facade:	Date:	Job Number:
TRADITIONAL	29/07/2018	366TL
Inclusions:	Scale:	Sheet Number:
PREMI UM	1 : 100	2 of 10





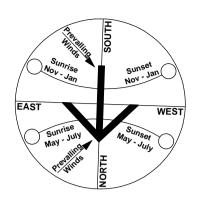
NQHOMES Tropical Living

Address: P.O. BOX 863, Pt. DOUGLAS Qld. 4877 Phone: (07)40985518 Fax: (07)40985512

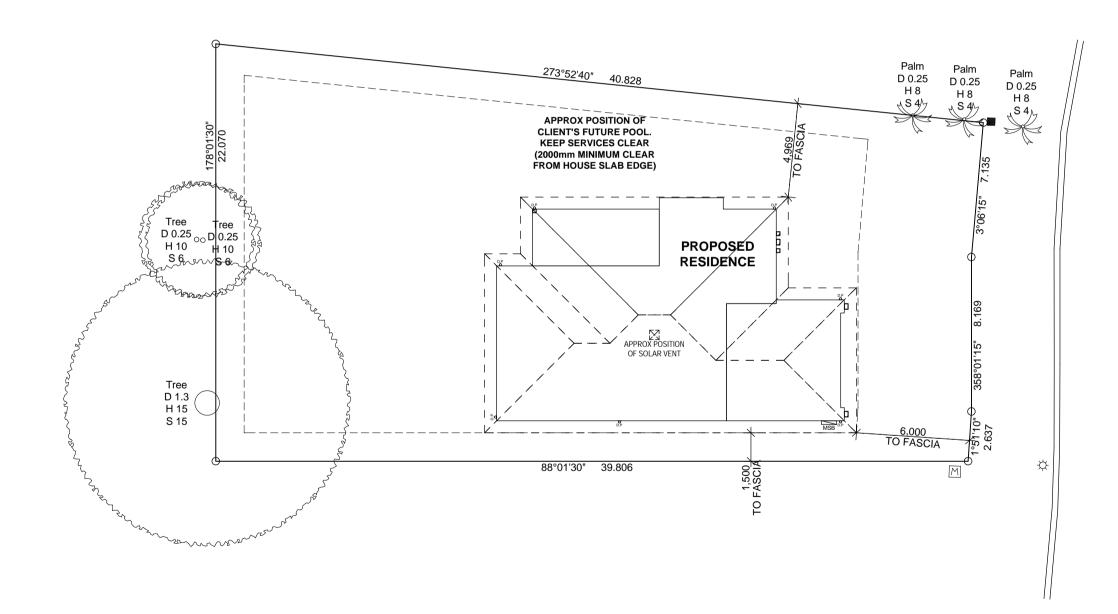
N.B. ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED SIZES - THIS DESIGN IS THE EXCLUSIVE PROPERTY OF NQ HOMES Pty. Ltd.

LOT 5, IVES AVENUE **WONGA BEACH**

366TL TRADITI ONAL 29/07/2018 PREMI UM 1:100 3 of 10 **LOT 5 ON RP892256 IVES AVENUE WONGA BEACH**



- SC 35mm DEEP SAWCUT WITHIN 8 HOURS OF CONCRETE POUR CUTOUT EVERY 2nd MESH BAR
- **ACROSS JOINT**



AVENUE



ABN: 73614916086 QBCC: 15031495 Address: P.O. BOX 863, Pt. DOUGLAS QId. 4877 Phone: (07)40985518 Fax: (07)40985512

SETOUT PLAN

WIND-'C2'

DALLAS FAYE WALKER LOT 5, I VES AVENUE WONGA BEACH

Design:	Drawn By:	Amendments:
WONGA 175	S.C.	
Facade:	Date:	lob Number:
TRADI TI ONAL	29/07/2018	366TL
Inclusions:	Scale:	Sheet Number:
PREMI UM	1:200	9 of 10

N.B. ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED SIZES - THIS DESIGN IS THE EXCLUSIVE PROPERTY OF NQ HOMES Pty. Ltd.



20 Owen St, Craiglie MOWBRAY, PORT DOUGLAS QLD 4877

PH: 0418 187 376

ON SITE SEWERAGE FACILITIES SITE ASSESSMENT & DESIGN

NQ Homes Tropical Living

Site Evaluator: Brian Petrus

Signature:

Date: 25th July 2018

Address

Lot 5 Ives Ave Wonga Beach

Site & Soil Assessment

BP Plumbing Contractors Pty Ltd

ABN: 49 097 270 472 BSA: 896522 20 Owen St, Craiglie Port Douglas QLD 4877

Telephone: 0418 187 376 Email: bpplumb@bigpond.net.au

25th July 2018

Chief Executive Officer Douglas Shire Council 64-66 front St Mossman QLD 4873

Dear Sirs,

Re: On-site Wastewater Disposal – Lot 5 Ives Ave Wonga Beach QLD 4873

This is to certify that Brian Petrus of BP plumbing Contractors Pty Ltd has designed the on-site wastewater disposal system for the above mentioned site in accordance with the following Australian Standards and specifications

❖ AS/NZS1547 - On-site Domestic Wastewater Management

Plumbing & Drainage Act 2012

Standard Plumbing & Drainage Regulation 2003

Qld Plumbing & Wastewater Code

Plumbing Code of Australia

❖ AS/NZS3500 - Plumbing & Drainage

Location Details:

Suburb/Town: - Wonga Beach
Survey Plan Details: - Lot 5 RP892256

Total Area: - 800m2

Local Government Authority: - Douglas Shire Council

Owner Details:

Owner: - C/- NQ Homes Tropical Living

Address: N/a

Site & Soil evaluation for an onsite sewerage system

❖ Description - 4 bedroom residence

Water Supply Source - Town water

❖ Site Details

Existing vegetation - Short grass

Slope - <1%

Drainage Pattern - Linear planer

Soil Drainage - Good
Water Course - >10m
Flooding Potential - Nil
Existing Buildings - Nil
Water Table - >1.6m

Water Bore/Well - -

Predominant wind direction - South Easterly

❖ Site Stability

Is expert Evaluation necessary - No

ClimatePort Douglas Area

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
Mean Rainfall (mm)	394	424	425	204	72	49	26	25	32	49	108	205	2013
Evapotransporation (ET, mm)	112	98	99	89	88	90	93	93	97	104	108	112	1183

Source: Australian Bureau of Meteorology

Separation Distances

The following separation distances should be adapted as per on-site sewerage code

Recommended Horizontal Distance	Measured Distance
Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0metres upslope from the footing or where the site is flat, 2.0 metres from any point of the building	
Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0 metres upslope from the footing or where the site is flat, 2.0 metres from any point of the feature.	
Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0 metres upslope from the footing or where the site is flat, 6.0 metres from any point of the retaining wall footing.	
6.0 metres from any point of the swimming pool.	
Primary Effluent – 15 metres from the boundary of the land application area. Secondary Effluent – 6 metres from the boundary of the land application area.	
	Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0metres upslope from the footing or where the site is flat, 2.0 metres from any point of the building Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0 metres upslope from the footing or where the site is flat, 2.0 metres from any point of the feature. Boundaries of land application areas should be positioned at least 2.0 metres downslope, 4.0 metres upslope from the footing or where the site is flat, 6.0 metres from any point of the retaining wall footing. 6.0 metres from any point of the swimming pool. Primary Effluent – 15 metres from the boundary of the land application area. Secondary Effluent – 6 metres from the boundary of the land

The separation distances are recommended only. The local government may upon considering the public health and environmental risks reduce or increase the distances given in the table

Feature	Recommended Horizontal Distance	Measured Distance
Top of bank of permanent	Primary effluent: 50 metres (horizontal)	
water course;		
Top of bank of intermittent water course;	Secondary effluent: 30 metres (horizontal)	
Top of bank of lake:	Advanced Secondary effluent: 10 metres (horizontal)	
Top water level of a		
surface used for		
agriculture, aquiculture or		
stock purposes;		
Easement boundary of		
unlined open stormwater		
drainage or channel or		
drain.		
	Primary effluent: 50 metres (horizontal)	
Bore or dam used or likely to be used for human and or domestic consumption.	Secondary effluent: 30 metres (horizontal)	
	Advanced Secondary effluent: 10 metres (horizontal)	
	Primary effluent: 50 metres (horizontal)	
Unsaturated soil depth to a permanent water table.	Secondary effluent: 30 metres (horizontal)	
	Advanced Secondary effluent: 10 metres (horizontal)	

The separation distances are recommended only. The local government may upon considering the public health and environmental risks reduce or increase the distances given in the table

Soil Properties - CAT 2 DLR 50

❖ Design Criteria

Proposed development - 4 bedroom residence

No of persons using facilities - 6 persons

Design flow rate with standard

water reduction fixtures - 150L / per day
Total Flow Rate - 900L / per day

DLR - 50

❖ Reserve/Secondary Area

AS 1547-2000 requires a reserve area of 100% of the design area to be available for future replacement of the land application facility.

Reserve/Secondary area available

Disposal System Required

Provide an onsite disposal system to secondary stage treatment

Disposal Area required with the use of standard water reduction fixtures inc 6/3L water closets, shower flow restrictors, aerator outlets & water conserving automatic washing machines

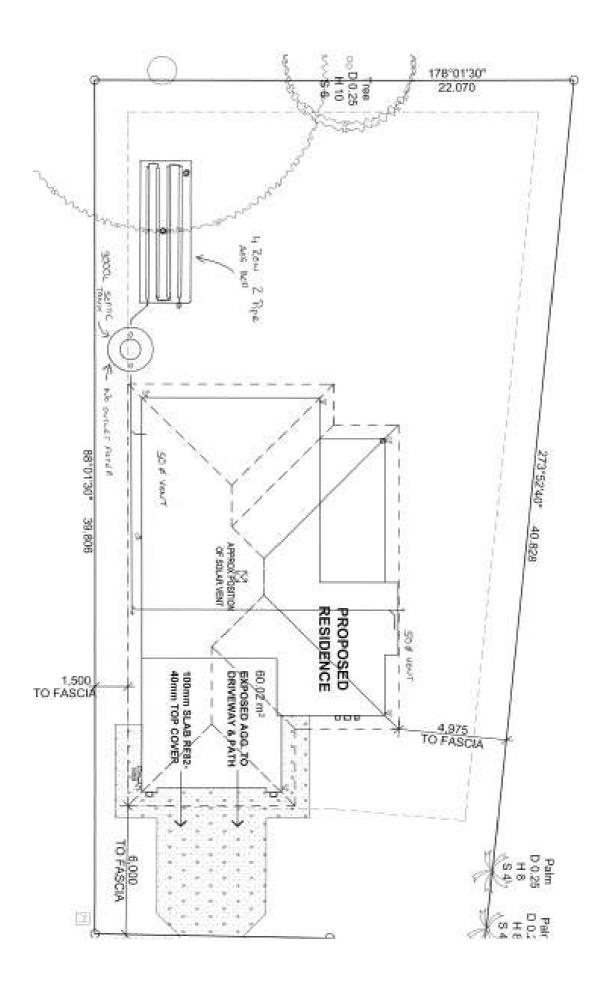
Disposal area = <u>volume of effluent in litres / day</u> design loading rate in mm / day

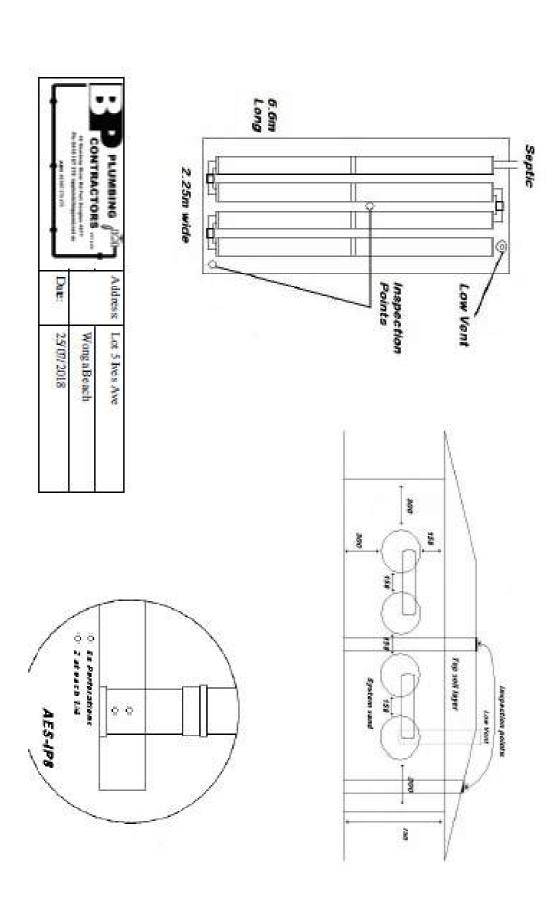
> = <u>900 /day</u> 50mm /day

= 18m² disposal area

PROPOSED SYSTEM

To comprise of a 3000L septic tank with 18m2 of AES disposal bed as per attached drawings





	"Always the BEST Op	tion" unit	Lighter	100,440	result from	make Hillings	
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MINISTER WITH

SUITABLE VEGETATION FOR WET SOILS

TYPES OF VEGETATION CLIMBERS

Bougainvillea Kennedia

Hardenbergia Loniceria Japonica Hibbertia Scandens Pandorea Jasminoides

GRASSES

Buffalo Kykuku

GROUND COVER

Acanthus Mollis Liriope Muscari Coprosma X Kirki Ophiopogon Grevillea Poorinda Royal Mantle

PERENNIALS

Agapanthus PreaecoxGazania X HybridaAstor Novi-BelgiiSalvia X SuperbaCanna X GeneralisStokesia LaevisChrysanthemum MaximumViola Hederacea

SHRUBS

Abelia X Grandiflora Euhorbia Pulcherrima

Acacia Longifolia

Callistemon Citrinus

Cassia Bicapsularis

Ceratostigma

Chaenomeles Lagenaria

Hebe Speciosa

Jasminum Mesnyi

Jasminum Officinale

Jasminum Polyanthum

Lantana Camara

Correa Alba Lantana Montevidensis Cotoneaster Glaucophyllus Leptospermum Flavescens

Cotoneaster Lacteus Narium Oleander

Caphea Ignea Pyracantha Fortuneana Euonymus Japonicus Thunbergia Alata Euphorbia Millii Weastringia Fruticosa

TREES

Angophora Costa Leptospermum Laevigatum Banksia Integrifolia Leptospermum Petersonii

Callistemon SalinusMelaleuca Armillaris – Sandy SoilCallistemon ViminalisMelaleuca Linariifolia – Clay SoilsCasuarina GlaucaMelalueca Quinquenervia – Sandy SoilCasuarina StrictaMelaleuca Styphelioides – Clay Soils

Eucalyptus Botryoides Nyssa Sylavatica

Eucalyptus Robusta Photinea X Frasieri "Robusta"

Hakea Salicifolia Tristaniopsis Laurina

Hakea Saligna

All vegetation should be checked with Local Authorities & Nurseries prior to installation for suitability to each region

NOTICE TO LAND OWNER

Your sanitary drainage installation consists of a septic tank and an application system. To ensure the operational effectiveness of this installation the following advice should be adhered to.

OPERATION AND MAINTENANCE:

GENERALLY

On-site sewerage treatment plants and the associated land application facilities are complex systems that are prone to failure if operated and maintained incorrectly. All on-site sewerage facilities require a high degree of user dedication in terms of operation and maintenance to ensure that the design performance of the facility is achieved for the expected life of the facility.

All on-site sewerage facilities or components of the facility have a finite life. For instance, septic tanks may have an expected life of 25 years, whilst the associated land application facility may have an expected life of 5 to 15 years depending on the nature of the specific site.

OPERATION AND MAINTENANCE PROCEDURES

Operation and maintenance procedures are undertaken to a regular schedule appropriate to the nature and type of treatment and land application facility and in accordance with any manufacturers instructions; and Continuity of operation and maintenance is achieved throughout changes of ownership and/or changes in use or development of the site.

OPERATION

Practice water conservation, and avoid exceeding the hydraulic capacity of the facility. **DO NOT USE OR INSTALL A GARBAGE GRINDER.**

Minimise the input of cleaning agents, detergents, disinfectants, bleaches, alkalis, oil, petrol, acids, degreasers, photography chemicals, cosmetics, lotions, pesticides and herbicides into the facility.

Not place materials such as disposal nappies, female napkins, paper towels, cigarette butts, bones and coffee grounds into the facility.

Be observant regarding signs of unsatisfactory performance, including unusual odours, leaks form the facility or choking.

Contact the service agent following observation of unsatisfactory performance or breakdown.

Protect facility components from structural damage, such as from vehicles.

Be familiar with safety procedures.

Establish a time pattern of desludging.

Keep the area in the vicinity of the on-site sewerage facility tidy to facilitate ease of operation and maintenance.

Where appropriate, or required by a condition of approval, enter into an annual service contact with a service agent, and

Retain copies of all service reports.

SEPTIC TANKS

It is recommended that septic tanks be inspected at two yearly intervals. The inspection should include an assessment of the sludge and scum levels and checking of the outlet and inlet square junctions for blockages.

Septic Tanks should be desludged when:

- The scum layer is within 100mm of the bottom of the inlet square junction or the sludge layer is within 200mm from the bottom of the inlet.
- The sludge occupies the basic allowances of the septic tank: on
- The sludge scum occupy two-thirds the volume of the tank (or fist stage of a two stage system).

The desludging procedure should ensure that 400-500mm of liquid is retained in the tank, and that the tank is immediately refilled with water to the outlet level.

LAND APPLICATION SYSTEMS

Regular visual checking of correct system operation by households, and an annual inspection by service contractors should be undertaken. Signs of system failure incude:

- Surface ponding and run-off or treated effluent;
- Degrading of soil structure (Sheet or Rill erosion, surface crusts, hard surface);
- Poor vegetation growth; and
- Unusual odours