DA Form 1 – Development application details

Approved form (version 1.1 effective 22 JUNE 2018) 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 (i.e. material change of use, operational work or reconfiguring a lot), use this form (*DA Form 1*) and parts 4 to 6 of *DA Form 2 – Building work details.*

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

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

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

PART 1 – APPLICANT DETAILS

1) Applicant details	
Applicant name(s) (individual or company full name)	Phyllis Jean Gibbs
Contact name (only applicable for companies)	C/- Flanagan Consulting Group
Postal address (P.O. Box or street address)	PO Box 891
Suburb	Townsville
State	QLD
Postcode	4810
Country	Australia
Contact number	070 4724 5737
Email address (non-mandatory)	richard@flanaganconsulting.com.au
Mobile number (non-mandatory)	
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	1761

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



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 2 – LOCATION DETAILS

3) Location of the premises (complete 3.1) or 3.2), and 3.3) as applicable) Note: Provide details below and attach a site plan for any or all premises part of the development application. For further information, see <u>DA</u> Forms Guide: Relevant plans.								
3.1) Street address and lot on plan								
Stre	eet address	AND lot	on plan	1 (a <i>ll lo</i>	ts must be liste	ed), Or		
Street address AND lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon; all lots must be listed).								
	Unit No.	Street N	No. S	Street	Name and	Туре	Suburb	
a)		244	k	۲ana	/ero Road		Koah	
a)	Postcode	Lot No.	F	Plan T	Type and Nu	imber (e.g. RP, SP)	Local Government Area(s)	
	4881	17	S	SP219	9912		Mareeba Shire Council	
	Unit No.	Street N	No. S	Street	Name and	Туре	Suburb	
b)								
b)	Postcode	Lot No.	F	Plan T	Type and Nu	imber <i>(e.g. RP, SP)</i>	Local Government Area(s)	
				opriate	for developme	nt in remote areas, over part of a	a lot or in water not adjoining or adjacent to land	
	nnel dredging i lace each set o			enarate	row Only one	set of coordinates is required for	r this part	
					e and latitud			
Longit			Latitud	-		Datum	Local Government Area(s) (if applicable)	
0				()		WGS84		
$\Box GDA94$								
						Other:		
	ordinates of	premise	s by eas	sting	and northing)		
Eastin	g(s)	North	ing(s)		Zone Ref.	Datum	Local Government Area(s) (if applicable)	
					54	WGS84		
					55	GDA94		
□ 56 □ Other:								
	dditional pre							
	ditional premule to this ap			nt to t	his developn	nent application and their	details have been attached in a	
	required	plication						
4) Ider	ntifv anv of t	ne follow	ing that	apply	v to the pren	nises and provide any rele	vant details	
						in or above an aquifer		
	-							
Name of water body, watercourse or aquifer: On strategic port land under the Transport Infrastructure Act 1994								
	plan descrip				•			
Name of port authority for the lot:								
	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	

Listed on the Environmental Management Register (EMR) under the Environmental Protection Act 1994				
EMR site identification:				
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 accurately. For further information on easements and how they may affect the proposed development, see <u>DA Forms Guide</u>.

Yes -	- All easement locations, types and dimensions are included in plans submitted with this development
	application

🛛 No

PART 3 – DEVELOPMENT DETAILS

Section 1 – Aspects of development

6.1) Provide details about the first	t 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 only one box)							
Development permit	Preliminary approval Preliminary approval that includes						
		a variation approval					
c) What is the level of assessmer	nt?						
Code assessment	Impact assessment (require	res public notification)					
d) Provide a brief description of the lots):	ie proposal (e.g. 6 unit apartment b	uilding defined as multi-unit dwelling, r	reconfiguration of 1 lot into 3				
1 in to 4 lot reconfigurations, o seal width on frontage of	perational work approval re- the proposed Lot 1 and 2 or		ervo Road (4.5m				
 e) Relevant plans <i>Note</i>: Relevant plans are required to be s <u>Relevant plans.</u> Relevant plans of the propose 			on, see <u>DA Forms quide:</u>				
6.2) Provide details about the sec	ond 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	conly one box)						
Development permit	Preliminary approval	Preliminary approval that approval	includes a variation				
c) What is the level of assessmer	ıt?						
Code assessment	Impact assessment (require	res public notification)					
d) Provide a brief description of the lots):	e proposal (e.g. 6 unit apartment b	uilding defined as multi-unit dwelling, r	reconfiguration of 1 lot into 3				
e) Relevant plans							
<i>Note</i> : Relevant plans are required to be s <u>Relevant plans.</u>	ubmitted for all aspects of this develop	oment application. For further information	on, see <u>DA Forms Guide:</u>				
Relevant plans of the proposed development are attached to the development application							

6.3) Additional aspects of development

Additional aspects of development are relevant to this development application and the details for these aspects that would be required under Part 3 Section 1 of this form have been attached to this development application Not required

Section 2 – Further development details

7) Does the proposed development application involve any of the following?				
Material change of use	Yes – complete division 1 if assessable against a local planning instrument			
Reconfiguring a lot	Yes – complete division 2			
Operational work	\boxtimes Yes – complete division 3			
Building work	Yes – complete DA Form 2 – Building work details			

Division 1 – Material change of use

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

8.1) Describe the proposed material change of use							
		on Number of dwelling units <i>(if applicable)</i>	Gross floor area (m ²)				
			(if applicable)				
8.2) Does the proposed use involve the use of existing buildings on the premises?							
	Provide the pl (include each def	Provide the planning scheme definiti (include each definition in a new row)	Provide the planning scheme definition (include each definition in a new row) Number of dwelling units (if applicable) Image: scheme definition Image: scheme definition Image: scheme definition Image: scheme def				

Division 2 – Reconfiguring a lot **Note**: This division is only required to be completed if any part of the development application involves reconfiguring a lot.

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

9.2) What is the nature of the lot reconfiguration? (tick all applicable boxes)				
Subdivision (complete 10))	Dividing land into parts by agreement (complete 11))			
Boundary realignment (complete 12))	Creating or changing an easement giving access to a lot from a construction road (complete 13))			

10) Subdivision 10.1) For this development, how many lots are being created and what is the intended use of those lots:						
Intended use of lots created	Residential	Commercial	Industrial	Other, please specify:		
Number of lots created						
10.2) Will the subdivision be staged?						
	Yes – provide additional details below					
□ No						
How many stages will the works include?						
What stage(s) will this development application apply to?						

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

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

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

Division 3 – Operational work **Note**: This division is only required to be completed if any part of the development application involves operational work.

14.1) What is the nature of the operational	work?	
⊠ Road work	Stormwater	Water infrastructure
Drainage work	Earthworks	Sewage infrastructure
Landscaping	🗌 Signage	Clearing vegetation
Other – please specify:		
14.2) Is the operational work necessary to	facilitate the creation of new lo	ts? (e.g. subdivision)
Yes – specify number of new lots:		
🖾 No		
14.3) What is the monetary value of the proposed operational work? (include GST, materials and labour)		
\$		

PART 4 – ASSESSMENT MANAGER DETAILS

15) Identify the assessment manager(s) who will be assessing this development application
16) Has the local government agreed to apply a superseded planning scheme for this development application?
Yes – a copy of the decision notice is attached to this development application
Local government is taken to have agreed to the superseded planning scheme request – relevant documents
attached
No

PART 5 - REFERRAL DETAILS

☑ No, there are no referral requirements relevant to any development aspects identified in this development application – proceed to Part 6 Matters requiring referral to the Chief Executive of the Planning Regulation 2017:
Matters requiring referral to the Chief Executive of the Planning Regulation 2017:
Clearing native vegetation
Contaminated land (unexploded ordnance)
Environmentally relevant activities (ERA) (only if the ERA have not been devolved to a local government)
Fisheries – aquaculture
Fisheries – declared fish habitat area
Fisheries – marine plants
Fisheries – waterway barrier works
Hazardous chemical facilities
Queensland heritage place (on or near a Queensland heritage place)
Infrastructure – designated premises Infrastructure – state transport infrastructure
Infrastructure – state transport infrastructure Infrastructure – state transport corridors and future state transport corridors
Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels
☐ Infrastructure – near a state-controlled road intersection
On Brisbane core port land near a State transport corridor or future State transport corridor
On Brisbane core port land – ERA
On Brisbane core port land – tidal works or work in a coastal management district
On Brisbane core port land – hazardous chemical facility
On Brisbane core port land – taking or interfering with water
On Brisbane core port land – referable dams
On Brisbane core port land - fisheries
Land within Port of Brisbane's port limits
SEQ development area
SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and recreation activity
SEQ regional landscape and rural production area or SEQ rural living area – community activity
SEQ regional landscape and rural production area or SEQ rural living area – indoor recreation
SEQ regional landscape and rural production area or SEQ rural living area – urban activity
SEQ regional landscape and rural production area or SEQ rural living area – combined use
Tidal works or works in a coastal management district
Reconfiguring a lot in a coastal management district or for a canal
Erosion prone area in a coastal management district
Urban design Water-related development – taking or interfering with water
Water-related development – removing quarry material (from a watercourse or lake)
Water-related development – referable dams
Water-related development – construction of new levees or modification of existing levees (category 3 levees only)
Wetland protection area
Matters requiring referral to the local government:
Airport land
Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government)
□ Local heritage places

Matters requiring referral to the chief executive of the distribution entity or transmission entity:
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 (inconsistent with Brisbane port LUP for transport reasons)
Strategic port land
Matters requiring referral to the relevant port operator:
Land within Port of Brisbane's port limits (below high-water mark)
Matters requiring referral to the Chief Executive of the relevant port authority:
Land within limits of another port (below high-water mark)
Matters requiring referral to the Gold Coast Waterways Authority:
Tidal works, or work in a coastal management district in Gold Coast waters
Matters requiring referral to the Queensland Fire and Emergency Service:
Tidal works marina (more than six vessel berths)

18) Has any referral agency provided a referral response for this development application? Yes – referral response(s) received and listed below are attached to this development application

Referral requirement	Referral agency	Date of referral response
Identify and describe any changes made to referral response and the development application <i>(if applicable)</i> .		

PART 6 – INFORMATION REQUEST

19) Information request under Part 3 of the DA Rules

I agree to receive an information request if determined necessary for this development application

I do not agree to accept an information request for this development application

Note: By not agreeing to accept an information request I, the applicant, acknowledge:

 that this development application will be assessed and decided based on the information provided when making this development application and the assessment manager and any referral agencies relevant to the development application are not obligated under the DA Rules to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties

• Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules.

Further advice about information requests is contained in the DA Forms Guide.

PART 7 – FURTHER DETAILS

20) Are there any associated development applications or current approvals? (e.g. a preliminary approval)			
 Yes – provide details below or include details in a schedule to this development application No 			
List of approval/development application references	Reference number	Date	Assessment manager
Approval	DA/15/0045	22 November 2016	Brian Millard
Approval Development application			

21) Has the portable long service leave levy been paid? (only applicable to development applications involving building work or operational work)		
Yes – a copy of the receipted QLeave form is attached to this development application		
assessment manager decides a development approval only if		
Amount paid	Date paid (dd/mm/yy)	QLeave levy number
\$		

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

 \Box Yes – show cause or enforcement notice is attached \boxtimes No

23) Further legislative requirements

Environmentally relevant activities

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

 Yes – the required attachment accompanies this development a No Note: Application for an environmental a requires an environmental authority to optimize the second s	application, and details are provi uthority can be found by searching "ES	ided in the table below R/2015/1791" as a search term at <u>www</u>	-
Proposed ERA number:		Proposed ERA threshold:	
Proposed ERA name:			
Multiple ERAs are applic schedule to this develop	able to this development application application.	ation and the details have beer	attached in a
Hazardous chemical facilities			
23.2) Is this development application	ation for a hazardous chemical	facility?	
 Yes – Form 69: Notification of application ☑ No 	f a facility exceeding 10% of scl	hedule 15 threshold is attached	to this development
Note: See <u>www.business.qld.gov.au</u> for	further information about hazardous che	emical notifications.	

Clearing native vegetation

23.3) Does this development application involve clearing native vegetation that requires written confirmation that the chief executive of the <i>Vegetation Management Act 1999</i> is satisfied the clearing is for a relevant purpose under section 22A of the <i>Vegetation Management Act 1999</i> ?
 Yes – this development application includes written confirmation from the chief executive of the Vegetation Management Act 1999 (s22A determination) No
 Note: 1. Where a development application for operational work or material change of use requires a s22A determination and this is not included, the development application is prohibited development. 2. See <u>https://www.qld.gov.au/environment/land/vegetation/applying</u> for further information on how to obtain a s22A determination.
Environmental offsets
23.4) Is this development application taken to be a prescribed activity that may have a significant residual impact on a prescribed environmental matter under the <i>Environmental Offsets Act 2014</i> ?
 Yes – I acknowledge that an environmental offset must be provided for any prescribed activity assessed as having a significant residual impact on a prescribed environmental matter No
Note : The environmental offset section of the Queensland Government's website can be accessed at <u>www.qld.gov.au</u> for further information on environmental offsets.
Koala conservation
23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work within an assessable development area under Schedule 10, Part 10 of the Planning Regulation 2017?
☐ Yes ⊠ No
Note: See guidance materials at www.des.gld.gov.au for further information.
Water resources
23.6) Does this development application involve taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering with water in a watercourse, lake or spring, or taking or interfering watercourse, lake or spring, or taking or spring, or taking or spring, or taking or spring, or spring, or taking or spring, or taking
overland flow water under the <i>Water Act 2000</i> ?
 Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the <i>Water Act 2000</i> may be required prior to commencing development No
Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information.
DA templates are available from https://planning.dsdmip.qld.gov.au/. If the development application involves:
• Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1
 Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2 Taking overland flow water: complete DA Form 1 Template 3.
Waterway barrier works
23.7) Does this application involve waterway barrier works?
Yes – the relevant template is completed and attached to this development application
\boxtimes No
DA templates are available from <u>https://planning.dsdmip.qld.gov.au/</u> . For a development application involving waterway barrier works, complete DA Form 1 Template 4.
Marine activities
23.8) Does this development application involve aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants?
 Yes – an associated <i>resource</i> allocation authority is attached to this development application, if required under the <i>Fisheries Act 1994</i> No
Note: See guidance materials at <u>www.daf.qld.gov.au</u> for further information.
Quarry materials from a watercourse or lake
23.9) Does this development application involve the removal of quarry materials from a watercourse or lake under the <i>Water Act 2000?</i>

 Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development No Note: Contact the Department of Natural Resources, Mines and Energy at <u>www.dnrme.gld.gov.au</u> and <u>www.business.gld.gov.au</u> for further
information. Quarry materials from land under tidal waters
23.10) Does this development application involve the removal of quarry materials from land under tidal water under the <i>Coastal Protection and Management Act 1995?</i>
\Box Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development \Box No
Note: Contact the Department of Environment and Science at <u>www.des.qld.gov.au</u> for further information.
Referable dams
23.11) Does this development application involve a referable dam required to be failure impact assessed under section 343 of the <i>Water Supply (Safety and Reliability) Act 2008</i> (the Water Supply Act)?
 Yes – the 'Notice Accepting a Failure Impact Assessment' from the chief executive administering the Water Supply Act is attached to this development application No
Note : See guidance materials at <u>www.dnrme.qld.gov.au</u> 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 <u>www.des.gld.gov.au</u> for further information.
<u>Queensland and local heritage places</u> 23.13) Does this development application propose development on or adjoining a place entered in the Queensland heritage register or on a place entered in a local government's Local Heritage Register?
 Yes – details of the heritage place are provided in the table below No
Note: See guidance materials at www.des.gld.gov.au for information requirements regarding development of Queensland heritage places. Name of the heritage place: Place ID:
Brothels 23.14) Does this development application involve a material change of use for a brothel?
 Yes – this development application demonstrates how the proposal meets the code for a development application for a brothel under Schedule 3 of the <i>Prostitution Regulation 2014</i> No
Decision under section 62 of the Transport Infrastructure Act 1994
23.15) Does this development application involve new or changed access to a state-controlled road?
 Yes - this application will be taken to be an application for a decision under section 62 of the <i>Transport</i> Infrastructure Act 1994 (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 <i>Note</i> : See the Planning Regulation 2017 for referral requirements	⊠ Yes
If building work is associated with the proposed development, Parts 4 to 6 of <i>DA Form 2 – Building work details</i> 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</u> Forms Guide: Planning Report Template.	⊠ Yes
Relevant plans of the development are attached to this development application Note : Relevant plans are required to be submitted for all aspects of this development application. For further information, see <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 ONLY

Date received:

Reference number(s):

Notification of engagement of alternative assessment manager				
Prescribed assessment manager				
Name of chosen assessment manager				
Date chosen assessment manager engaged				
Contact number of chosen assessment manager				

Relevant licence number(s) of chosen assessment	
manager	

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



228-244 KANERVO ROAD, KURANDA EXTERNAL ROAD WORKS UPGRADE PROJECT No. 1761



(Source: Google Maps)

LOCALITY PLAN N.T.S

						ASSOCIATED CONSULTANTS
A	ISSUE FOR OPW APPROVAL	RL		10886	19.10.18	
REV	DESCRIPTION	TASK MAN.	APPROVED	RPEQ No.	DATE	
THIS SOUT	DRAWING IS COPYRIGHT AND THE PROPERTY OF FLANAGAN CONSULT H PACIFICSANDS PTY. LTD. (ACN 052 933 687) AND MUST NOT BE	ING GROUP, A REPRODUCED	REGISTERED B WITHOUT WRITT	USINESS NA EN PERMISS	ME OF SION.	

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	DRAWING INDEX				
1761-C01	DRAWING INDEX & LOCALITY				
1761-C02	SITE PLAN, SURVEY CONTROL & CONTROL LINE SETOUT				
1761-C03	GENERAL ARRANGEMENT PLAN				
1761-C04	CONSTRUCTION DETAILS				
1761–C05 ROAD TYPE SECTION & DETAILS					
1761-C06	ROAD PLAN & LONG SECTION – SHEET 1 OF 3				
1761-C07	ROAD PLAN & LONG SECTION – SHEET 2 OF 3				
1761-C08	ROAD PLAN & LONG SECTION – SHEET 3 OF 3				
1761-C09	ROAD CROSS SECTIONS – SHEET 1 OF 5				
1761-C10	ROAD CROSS SECTIONS – SHEET 2 OF 5				
1761–C11 ROAD CROSS SECTIONS – SHEET 3 OF 5					
1761-C12	ROAD CROSS SECTIONS – SHEET 4 OF 5				
1761-C13	ROAD CROSS SECTIONS – SHEET 5 OF 5				

Phyllis Gibbs 228-244 Kanervo Road, Kuranda

CLIENT / PROJECT



designed CJS	DRAWING IN		
drawn BJL			
acad no. 1761-C01	Λ 1		REVISION
scale NTS	FULL SIZE	1761-C01 Sheet 1 of 13 sheets	А

				SET	OUT - CON	ITROL LI	NE MCOO			
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	L.TANGENT	S.TANGENT	L.TANG
IP 1	0.000	345260.568	8131176.415	167'09'34.29"						
TC	14.404	345263.769	8131162.371	167'09'34.29"						
IP 2	27.917	345266.774	8131149.187		R = -300.000	27.027	5'09'42.07"			
CT	41.431	345270.953	8131136.326	161*59'52.23"						
TC	75.607	345281.516	8131103.823	161*59'52.23"						
IP 3	108.464	345291.836	8131072.065		R = 150.000	65.715	25°06'04.44"			
СТ	141.322	345287.709	8131038.927	187*05'56.66"						
ТС	215.354	345278.560	8130965.462	187•05'56.66"						
IP 4	236.007	345276.007	8130944.966		R = -1200.000	41.306	1•58'19.93"			
СТ	256.660	345274.161	8130924.394	185'07'36.73"						
TS	377.478	345263.365	8130804.059	185•07'36.73"						
SC	387.568	345262.954	8130793.987	176•44'51.28"	L = 10.090			39.450	34.239	6.734
IP 5	409.511	345259.840	8130764.767		R = -34.496	42.936	89'34'19.61"			
CS	430.504	345288.215	8130762.692	105•25'56.87"	L = 11.894			40.302	34.239	7.942
ST	442.398	345299.952	8130760.865	95°33'17.12"						
IP 6	555.144	345412.168	8130749.952							
TC	596.453	345453.195	8130745.124	96*42'40.82"						
IP 7	609.319	345465.973	8130743.621		R = 660.000	25.731	2•14'01.39"			
СТ	622.184	345478.684	8130741.620	98*56'42.21"						
TC	642.016	345498.274	8130738.536	98*56'42.21"						
IP 8	667.514	345525.519	8130734.248		R = -54.000	50.997	54 ° 06'35.51"			
СТ	693.013	345544.964	8130753.806	44°50'06.70"						
TC	700.949	345550.559	8130759.433	44°50'06.70"						
IP 9	714.339	345560.734	8130769.667		R = 29.000	26.780	52•54'35.42"			
СТ	727.729	345575.033	8130767.722	97•44'42.12"						
IP 10	734.349	345581.592	8130766.830							
IP 11	748.132	345595.204	8130764.663	99*02'39.06"						



SURVEY CONTROL SETOUT

Control Point Easting		Northing	Elevation	Code
9006	345247.256	8131228.967	386.488	PIN
9005	345275.325	8130817.451	385.543	DUMPY
9004	345300.054	8130755.997	386.118	DUMPY
9003	345283.037	8131077.902	388.071	PIN
9000	345480.368	8130751.704	386.204	DATUM DUMPY
9001	345272.688	8130765.053	385.966	PIN

ORIGIN OF SURVEY

LEVEL DATUM: AHD ORIGIN OF LEVELS: PM31306 VIDE GNSS RL 398.009 MERIDIAN: MGA94 ZONE 55 – GROUND ORIGIN OF COORDINATES: PM184297 VIDE GNSS E345907.735, N8128754.646

<u>LEGEND</u>

	SURVEY/DCDB BOUNDARY
	EXISTING VEGETATION LINE ALONG RIVER BANK
	EXISTING CONTOUR (10.0m INTERVAL)
<	SURVEY MARK
——Е——Е——	EXISTING ELECTRICAL (SURVEY)
dEdE	EXISTING ELECTRICAL (DBYD)
	EXISTING COMMS (SURVEY)
dT dT -	EXISTING COMMS (DBYD)

designed CJS	SITE PLAN, S	SURVEY CONTROL &		
drawn BJL	CONTROL LINE SETOUT			
acad no. 1761-C02	A 1	DRAWING No.	REVISION	
scale 1:1000	A I FULL SIZE	1761-C02 Sheet 2 of 13 sheets	А	





<u>LEGEND</u>



SEALED ROAD

UNSEALED ROAD

1761-C03 scale 1:1000	A1 FULL SIZE	DRAWING No. 1761-C03	
BJL ACAD No.			
DRAWN			
CJS	GENERAL AF		
DESIGNED	TITLE		



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EMBANKMENT SLOPES	
WHERE "Y" <= 1.5	"X" = 4
"Y" > 1.5	"X" = 2

						ASSOCIATED CONSULTANTS
Α	ISSUE FOR OPW APPROVAL	RL		10886	19.10.18	
REV	DESCRIPTION	TASK MAN.	APPROVED	RPEQ No.	DATE	

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CLIENT / PROJECT

Phyllis Gibbs 228-244 Kanervo Road, Kuranda



BITUMEN SURFACING TREATMENTS

DOUBLE/DOUBLE SEAL (PRIME AMC4)

FIRST APPLICATION 14mm PRECOATED COVER AGGREGATE SPREAD RATE 90 m³/m² BINDER SPRAY RATE 1.9 I/m²

SECOND APPLICATION 7mm PRECOATED COVER AGGREGATE SPREAD RATE 190 m³/m² BINDER SPRAY RATE 1.2 I/m²

ADJUSTMENT OF SURFACING TREATMENTS TO SUIT CONDITIONS ON DAY OF WORK OPERATIONS IS TO BE APPROVED BY CONTRACT SUPERINTENDENT.

ROAD PAVEMENT

BASE: 150mm COMPACTED THICKNESS MIN CBR45 SUBBASE: 100mm COMPACTED THICKNESS MIN CBR60

PAVEMENT DESIGN DATA

TRAFFIC LOADING – 125 v/I/d % COMMERCIAL – 1.0%

NOT FOR CONSTRUCTION 19 October 2018				CONTRO)L LINE I	MC00 -
PROPOSE LOT 4			TC 75.607	ROPOSED	100	
0 TC 14.404	CT 41.431	-TT		10 ROAD		R 150
I 67'9'34"	8 -300 8			LOT 16 SP230977	dE	dE
Datum 382.00 Pvt. Mkg.						
Type (TC) Ewks.						
Fill Design Height Natural Surface Chainage	20 <i>388.124 388.124</i> 30 <i>388.303 388.303</i>	40 <i>388.424 388.424</i>	50 <i>388.508 388.508</i> 60 <i>388.562 388.562</i>	70 <i>388.552 388.552</i> 80 <i>388.483 388.483</i>	90 <i>388.362 388.362</i>	100 388.192 388.192 110 387.967 387.967
Horiz.Data	R=300					R150
Operating Speed	I	I		 		
Superelev.	LHS_and_RHS3%		62.1		06	LHS 3%
				ASSOCIATED CO	NSULTANTS	
A ISSUE FOR OPW APPROVAL REV DESCRIPTION THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF SOUTH PACIFICSANDS PTY. LTD. (ACN 052 933 687)	TASP	RL APPROV	ED RPEQ No.	0.10.18 DATE OF		

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SED 1 //COO ///////////////////////////////			JOINS DRG 1761-C08							
	, 	1.	REFER	CONTROL LI DRG 176 COAD SIGNA	1-C02			L		
490 386.370 386.370	500 386.355 386.355									
	drawn E Acad No.	SJS BJL C06-C0		FROAD P SHEET 2	2 OF 3	B DRAWING No			REVISION	-

H 1:500 V 1:50

FULL SIZE

DO NOT SCALE

А

SHEET 7 OF 13 SHEETS



G:\1000-2999\1700-1799\1761 228 Kanervo Road, Kuranda\DESIGN\CAD\DWG\1761-C06-C08.dwg

CZ 622.184	CONTROL LINE MC00	
	Datum 379.00	
620 <i>385.423 385.423</i> 630 <i>384.656 384.656</i> 640 <i>383.614 383.614</i>	H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3 H3	
<u>5.</u> <u>5.</u> <u>6.</u>	CLIENT / PROJECT CLIENT / PRO	KAY TOWNSVILLE 4 1200 (07) 4724 5737

NOTES:

- 1. FOR CONTROL LINE SETOUT AND SURVEY CONTROL
- REFER DRG 1761-C02 2. FOR ROAD SIGNAGE REFER DRG 1761-C03

designed CJS	ROAD PLAN	& LONG SECTION						
drawn BJL	SHEET 3 OF 3							
acad no. 1761-C06-C08	Λ 1		REVISION					
scale H 1:500 V 1:50	FULL SIZE	1761-C08 Sheet 8 of 13 sheets	A					

	NTROL LINE EXRC = 345276.692							
	= 8131118.666 = 388.562		$\frac{1}{10} = -0.23\%$	-0.23%	7 00 0	7.000		
Do	tum 388.00						<u>in6_</u>	~ _
DE	SIGN HEIGHT	389.088		388.557		388.442	388.125 388.435	
EX	ISTING SURFACE	389.088	388.710 388.532 388.475	388.501	388.485 388.465	388.372	388.452 388.435	
OF	FSETS	-5.515	-4.245 -3.645 -2.501	-2.001 0.000	2.501	4.001	5.901 6.522	
			CHAINA	GE 60.				
X Y	NTROL LINE EXRC = 345270.515 = 8131137.688 = 388.424			-2.46%	-3.00% -	-3.00% 1	<u>in_6_</u>	
Do	tum 386.00							
DE	SIGN HEIGHT		388.605 388.240 388.340 388.363	388.474	388.364 388.364 388.349	388.304	387.987 388.261	
EX	ISTING SURFACE		388.605 388.435 388.314 388.349 388.349	388.424	388.340 388.319	388.194	388.255 388.261	
OF	FSETS			-2.001 0.000	2.001 2.501	4.001	5.901 6.450	
			CHAIN	4 <i>GE 40</i>				
X Y	NTROL LINE EXRC = 345265.064 = 8131156.927 = 388.124	~ ~ ~		-3.00%	-3.00% -	-3.00%		
Do	tum 386.00		0 0 0 0	<u>4</u> 4	- 7 6	5 4		
DE	SIGN HEIGHT		388.400 387.929 388.029 388.049		<i>388.</i> <i>388.</i>	388.004		
EX	ISTING SURFACE		388.400 388.201 388.081 388.014		388.092 388.092 388.077	387.958 387.915		
OF	FSETS		-4.713 -3.771 -3.171 -2.501	-2.001 0.000	2.001	4.001 4.537		
			CHAINAGE	20.00	00			
X Y	NTROL LINE EXRC = 345260.568 = 8131176.415 = 387.851		\ 	-3.63%	-2.82% -	-3.00%		
	tum 386.00		744 760	778	802	39		
DE	SIGN HEIGHT		<i>387.</i> <i>387.</i>	9 <i>387.</i> 1 387		9 <i>387.735</i> 9 <i>387.639</i>		
EX	ISTING SURFACE		387.758 387.767	387.7 387.8	387.774 387.774	387.659 387.639		
OF	FSETS		-2.934 -2.501	-2.001 0.000	2.001	4.001 4.576		
			CHAINA	AGE 0.0	000			

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TASK MAN. APPROVED RPEQ No. DATE

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DESCRIPTION

REV

CONTROL LINE EXRC

X = 345287.867

Y = 8131040.2407 = .386.512

Z = 386.512				4.05%							
Datum 386.00			1 in -6	1.65% 	[1.65%	-3.00%	ΠŢ	-3.00%	<u>1 in -6</u>	<
DESIGN HEIGHT	386.522	386.261	386.578	386.553	386.545	386.512	386.452	386.437	386.392	386.075 286.075	
EXISTING SURFACE	386.522	386.445		386.324	386.402	386.512	386.442	386.401	386.328	386.349 266.371	
OFFSETS	-6.422	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	0.732

CHAINAGE 140.000

CONTROL LINE EXRC

X = 345288.834 Y = 8131060.202 Z = 387.620		- <u>1 in -6</u>	3.00%	3.00%		-3.00%	<u>1 in -6</u>	
Datum 386.00								
DESIGN HEIGHT	387.780	387.423 387.740		387.620	387.560 387.545	387.500	387.183 707.565	
EXISTING SURFACE	387.780	387.695 387.537	• •	387.620	387.447 387.403	387.441	387.529 787.529	•
OFFSETS	-6.614	-5.901	-2.501	0.000	2.001 2.501	4.001	5.901	0.004
i								·

CHAINAGE 120.000

CONTROL LINE EXE X = 345287.139 Y = 8131080.115 Z = 388.192		1_in_2	-1-in6	3.00%		3.00%	-3.00%		-3.00% T	<u>1 in -67</u>	in 2	
Datum 386.00												
DESIGN HEIGHT	388.618	387.995	388.312	388.267	388.252	388.192	388.132	388.117	388.072	387.755	388.224	
EXISTING SURFACE	388.618	388.445	388.329	.29	388.274	388.192	0	388.043	388.024	388.254	388.224	
OFFSETS	-7.146	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.838	

CONTROL LINE EXRC X = 345282.812Y = 8131099.626Z = 388.483

Datum 388.00

DESIGN HEIGHT

EXISTING SURFACE

OFFSETS

CLIENT / PROJECT

1.99%

388.838 388.460 388.560 388.533 388.523 388.483 388.838 388.618 388.482 388.488 388.492 388.483 -5.239 -4.483 -3.883 -2.501 -2.001 2.001 2.501 4.001 0.000

CHAINAGE 100.000

1.99% -3.00% -3.00% 1

388.423 388.408

388.411 388.388

388.363

388.312

CHAINAGE 80.000

<u>Phyllis Gibbs</u> 228-244 Kanervo Road, Kuranda



DO	NOT	SCALE

_in6-	>	
388.046	388.408	
388.415	388.408	
5.901	6.625	

DESIGNED CJS	ROAD CROS	S SECTIONS	
drawn BJL	SHEET 1 OF	5	
acad no. 1761-C09-C13	Λ 1		REVISION
scale 1:100	FULL SIZE	1761-C09 Sheet 9 of 13 s	SHEETS A

19 October 2018

NOT FOR

CONSTRUCTION

CONTROL	LINE	EXRC
00111102		E / (1 \ 0

X = 345277.995

Y = 8130960.8517 = .384.852

Datum 384.00 Datum 384.00 DESIGN HEIGHT 1 284.531 384.531 284.531 384.531 284.531 384.531 284.732 384.732 284.732 384.732 1 384.732 1 384.741 284.752 384.752 384.752 384.752 384.752 384.752 384.753 384.752 384.753 384.752 384.753 384.752 384.753 384.752 384.753 384.752 384.862 384.752 384.862 384.752 384.864 384.752 384.865 384.752 384.791 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 384.793 38	Z = 384.852		1	in -6	-3.00%		-3.00%	-3.00%			_1_in6		
DESIGN HEIGHL 384.531 384.531 384.531 7 7 384.552 384.51 384. 7 7 384.551 384.531 384. 7 7 384.552 384. 384. 7 384.852 384.51 384. 384.852 384.51 384. 384. 384.837 384.852 384. 384. 384.816 384. 384. 384. 384.816 384. 384. 384. 384.816 384. 384. 384. 384.816 384. 384. 384. 384.791 384. 384. 384. 384.791 384. 384. 384. 384.791 384. 384. 384.	Datum 384.00												
SOULACE SOULACE <t< td=""><td>DESIGN HEIGHT</td><td>384.531</td><td>41</td><td></td><td> [/</td><td></td><td></td><td></td><td>384.777</td><td></td><td>384.415</td><td></td><td></td></t<>	DESIGN HEIGHT	384.531	41		[/				384.777		384.415		
OLLSEL2 -6.132 -5.901 -2.501 -2.501 -2.501 -2.501 -2.501 5.901 5.901 5.901	EXISTING SURFACE	•	54	•	•		•	4.84					
	OFFSETS		-5.901	00	50	-2.001	0.000	2.001		8	5.901	6.653	

CHAINAGE 220.000

CONTROL LINE EXRC X = 345280.457 Y = 8130980.699 Z = 384.453			21 in -6	-3.00%		-3.00%	-3.00%		-3.00%	<u>1 in -6</u>		
Datum 382.00												
DESIGN HEIGHT	384.498	384.016	384.333	384.378	384.393	384.453	384.393	384.378	384.333	384.016	384.137	
EXISTING SURFACE	384.498	384.313	384.178	384.345	N.	384.453	384.427	384.387	384.306	384.171	384.137	
OFFSETS	-6.864	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.143	

CHAINAGE 200.000

CONTROL LINE EXRC X = 345282.929 Y = 8131000.546 Z = 384.507		1 in 2 -	- 1_ in -6	-2.80%	-2.80%	-3.00%	-3.00%	<u>1 in -6</u>		
Datum 382.00										
DESIGN HEIGHT	385.046	384.079	384.395	384.437 201 161	384.507	384.447	384.432 384 387	384.071	384.186	
EXISTING SURFACE	385.046	384.418	384.286	384.387 384.387	• •	384.444	384.407 384.301		384.186	
OFFSETS	-7.836	-5.901	-4.001	-2.501	0.000	2.001	2.501 4 001	5.901	6.131	
			CHAIN	4 <i>GE 1</i>	80.000					

CONTROL LINE EXF X = 345285.401 Y = 8131020.392 Z = 385.269 Datum 384.00			_1_in6	-0.58%		-0.58%	-3.00%		-3.00%	<u>1 in =6</u>		
								\rightarrow]
DESIGN HEIGHT	385.324	384.929	385.246	385.254	385.257	385.269	385.209	385.194	385.149	384.832	385.222	
EXISTING SURFACE	385.324	385.241	385.039	.17	385.212	385.269	385.198	385.133	385.105	385.190	385.222	
OFFSETS	- <i>6.692</i>	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.682	

CHAINAGE 160.000

A	ISSUE FOR OPW APPROVAL	RL		10886	19.10.18
REV	DESCRIPTION	TASK MAN.	APPROVED	RPEQ No.	DATE
T 1110					

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	DESIGN HEIGHT
	EXISTING SURF
	OFFSETS

										DO NOT SCAL
NTROL LINE EXRC										
= 345270.288 = 8130881.227	1 in -6	-3.00%	-3.00%	-3.00% -	3.00%	<u>1 in -6</u>				
= 386.124										
	.513	004 049 064	124	064	004	687 745				
SIGN HEIGHT		386.004 386.004 386.049 386.064		386.064 386.049	t <i>386.004</i>	5 <i>385.687</i> 5 <i>385.745</i>				
ISTING SURFACE		385.771 385.977 386.039		386.091 386.059	385.924	385.755 385.745				
FSETS	-6.946	-4.001 -2.501 -2.001	0.000	2.001 2.501	4.001	5.901 6.017				
	СН	IAINAGE S	300.000)						
NTROL LINE EXRC = 345272.076		-3.00%	-3.00%	-3.00% -	3.00%	1 in -6				
= 8130901.147 = 386.218	1 in -6					<u>, in -6</u>				
tum 384.00	~	<u> </u>		~ ~ ~	~					
SIGN HEIGHT		386.098 386.143 386.158		386.158 386.143	386.098	385.781 385.882				
ISTING SURFACE		385.920 386.120 386.163	386.218	386.178 386.151	386.033	385.895 385.882				
FSETS	-7.389	-4.001 -2.501 -2.001	0.000	2.001 2.501	4.001	5.901 6.103				
	СНА	AINAGE 2	80.000							
NTROL LINE EXRC = 345273.863		-3.00%	-3.00%	-3.00% -	3 00%		<u>_</u>			
= 8130921.067			0.007		3.00%	<u>_1_in61 i</u>	in 6			
tum 384.00					~	0.				
SIGN HEIGHT	385.412	385.949 385.994 386.009	386.069	<i>386.009</i> <i>385.994</i>	385.949	385.632	386.023			
ISTING SURFACE		385.757 385.935 385.935		386.030 386.017	385.975	385.921	386.023			
FSETS	-7.218	-4.001 -2.501 -2.001	0.000	2.001 2.501	4.001	5.901	8.250			
		CHAINAG	E 260.	000						
NTROL LINE EXRC = 345275.765 = 8130940.976										
= 3130940.976 = 385.426	1 in -6	-3.00%	-3.00%	-3.00%	<u>3.00% </u>	<u>1 in =6</u>				
tum 384.00	21	<u>96</u> 51 36	<u>;</u>	<u>56</u>	90	989 389				
SIGN HEIGHT	384.861	385.306 385.351 385.366	385.426	385.366 385.351	385.306	384.989 385.389				
ISTING SURFACE	861	385.117 . 385.299 . 385.328 .		385.408 ,	385.369	385.327 ,				
FSETS		-4.001 3 -2.501 3 -2.001 3		2.501	4.001	5.901 3 6.701 3				
I	C	CHAINAGE			1					
		•				D			SS SECTIONS	
<u>Phyllis Gibbs</u> 244 Kanervo Road,		E					BJL	SHEET 2 O		
244 Kanervo Road, Kuranda		OPMENT CONSULTA	NTS • PROJECT	LTING C MANAGERS • ENGINE MACKAY T		ANNERS	сар no. 1761-C09-C13		DRAWING No.	REVISIO

								DO NOT S
CONTROL LINE EXRC X = 345270.288 Y = 8130881.227		1 in <u>-6</u> -3.00%	-3.00%	-3.00% -3.00%	1 in -6			
Z = 386.124		·						
Datum 384.00	513	004	064 124	164 149 104	87			
DESIGN HEIGHT	385.		<i>386.</i> <i>386.</i>	386.064 386.049 386.004	385.687 385.745			
EXISTING SURFACE	385.513	<u>385.771</u> 385.977	386.039 386.124 386.124	386.091 386.059 385.924	385.755 385.745			
OFFSETS	946 3							
	- 6.	I _ I	0	2.001 2.501 4.001	5.901			
		CHAINAGE	300.000					
CONTROL LINE EXRC X = 345272.076		1 in -6 -3.00%	-3.00%	-3.00% -3.00%	1 in -6			
Y = 8130901.147 Z = 386.218								
Datum 384.00	33	1 <u>98</u> 43	158 218	158 143 098	82			
DESIGN HEIGHT	385.533	<i>386.</i> 386.	<i>386.</i> <i>386.</i>	<u>386.</u> 386.	385.781 385.882			
EXISTING SURFACE	385.533	385.920 386.120	386.163 386.218 386.218	386.178 386.151 386.033	385.895 385.882			
OFFSETS	7.389 38		.000 38					
	-7.		0	2.501 2.501 4.001	5.901 6.103			
		CHAINAGE	280.000					
CONTROL LINE EXRC X = 345273.863 Y = 8130921.067		1 in -6 -3.00%	-3.00%	-3.00% -3.00%	_1_in61	<u>in 6</u>		
Z = 386.069								
Datum 384.00	412	949 994	069	.949 .949	632	023		
DESIGN HEIGHT	385.		1 <i>386.009</i> 3 <i>86.069</i>	<u> 386.</u> 385.	385.	3 386.023		
EXISTING SURFACE	385.412	385.757 385.935	385.961 386.069	386.030 386.017 385.975	385.921	386.023		
OFFSETS	218		0.000	2.501 3 2.501 3 4.001 3	5.901 3	.250		
	-7.				5.9	8.2		
CONTROL LINE EXRC		CHAIN	AGE 260.0	100				
X = 345275.765 Y = 8130940.976 Z = 385.426		1 in -6 -3.00%	-3.00%	-3.00%	<u>1 in =6</u>			
Datum 384.00								
DESIGN HEIGHT	384.861	385.306 385.351	385.366 385.426	385.366 385.351 385.306	384.989 385.389			
EXISTING SURFACE								
	.7 384.861		385	385. 385. 385.	385.327 385.389			
OFFSETS	-6.667	-4.001	-2.001 0.000	2.501 2.501 4.001	5.901 6.701			
		CHAINAC	GE 240.00	0				
						DESIGNED CJS		OSS SECTIONS
<u>Phyllis Gibbs</u> 28-244 Kanervo Ro				NAGA		drawn BJL	SHEET 2 (
28-244 Kanervo Ro Kuranda	раа,	DEVELOPMENT CONSU CAIRNS	ULTANTS • PROJECT M/	ANAGERS • ENGINEERS • PL	anners VILLE	acad no. 1761-C09-C13	3 • •	DRAWING No.
NUTUTUU				4944 1200 (07) 4724	5737	SCALE	<u> </u>	1761-C10

									DO NOT SCAL
NTROL LINE EXRC									
= 345270.288 = 8130881.227 = 386.124	1	in -6 -3.00% -	-3.00% –	3.00% -3.00%	<u>1 in -6</u>				
utum 384.00									
ESIGN HEIGHT	385.513	386.004 386.049 386.064	386.124	386.064 386.049 386.004	385.687 385.745				
XISTING SURFACE	385.513	385.771 385.977 386.039	386.124	386.091 386.059 385.924	385.755				
FFSETS	-6.946	-4.001 3 -2.501 3 -2.001 3	0.000	2.001 3 2.501 3 4.001 3	5.901 3 6.017 3				
		CHAINAGE 30							
ONTROL LINE EXRC									
= 345272.076 = 8130901.147	1	in -6 -3.00% -	-3.00% –	3.00% -3.00%	<u>1 in -6</u> — -				
= 386.218 atum 384.00									
ESIGN HEIGHT	.533	386.098 386.143 386.158	386.218	386.158 386.143 386.098	385.781 385.882 /				
	3 385.								
XISTING SURFACE	385.533	385.920 386.120 386.163	386.218	386.178 386.151 386.033	385.895 385.882				
FFSETS	-7.389 3	-4.001 3 -2.501 3 -2.001 3	0.000	2.001 3 2.501 3 4.001 3	6.103 3				
		CHAINAGE 280							
ONTROL LINE EXRC									
= 345273.863 = 8130921.067	1	in -6 -3.00% -	-3.00% –	3.00% -3.00%	<u>_1_in6</u> 1	<u>n 6</u>			
= 386.069 atum 384.00									
ESIGN HEIGHT	412	385.949 385.994 386.009	386.069	386.009 385.994 385.949	385.632	386.023			
	2 385.								
XISTING SURFACE	385.412	385.757 385.935 385.961	386.069	386.030 386.017 385.975	385.921	386.023			
FFSETS	-7.218 3	-4.001 3 -2.501 3 -2.001 3	0.000 3	2.001 3 2.501 3 4.001 3	5.901 3	8.250 3			
	I	CHAINAGE			4)				
ONTROL LINE EXRC = 345275.765									
= 8130940.976 = 385.426		1 in -6 -3.00% -	-3.00% –	3.00%	<u>1 in =6</u>				
atum 384.00		001	9	<u>0</u> <u>1</u> <u>0</u>	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>				
ESIGN HEIGHT	384.861	385.306 385.351 385.366	385.426	385.366 385.351 385.306	384.989 385.389				
XISTING SURFACE	384.861	385.117 J 385.299 J 385.328 J	385.426	385.408 385.400 385.369	385.327 385.389				
FFSETS	-6.667 3	-4.001 3 -2.501 3 -2.001 3	0.000 3	2.001 3 2.501 3 4.001 3	<i>5.901</i> 3 <i>6.701</i> 3				
	I	CHAINAGE 2			0 (1				
Phyllis Gibbs			<u> </u>			ESIGNED CJS RAWN			
<u>Phyllis Gibbs</u> -244 Kanervo Rod	ad.	DEVELOPMENT CONSULTANTS	NSUL	TING GRO	UP	BJL CAD No.	SHEET 2 OF 5		
Kuranda		CAIRNS DARW (07) 4031 3199 (08) 8943 ('IN MA	AGERS ENGINEERS PL/ CKAY TOWNS 944 1200 (07) 4724	VILLE	1761-C09-C13	A1	DRAWING No. 1761-C10	REVISIC
			inaganconsult		S	cale 1:100	FULL SIZE -	SHEET 10 OF 13	SHEETS A



					A 04	0 7707	n	.37%	·		
Y = 8130801.547 Z = 385.799		<u>1 in -6</u>	_4.34% _	<u> </u>	<u>4% _</u>	<u>2.37%</u>			1 in	-6	
Datum 384.00											
DESIGN HEIGHT		385.308 385.625 385.625		385.712	385.799		385.858	385.893		385.391	
EXISTING SURFACE	385.417	385.443 385.660 385.660	385.785	385.820	385.899	385.792	385.725	385.524		385.391	
OFFSETS	-6.119	-5.901 -4.001	-2.501	-2.001	0.000	2.001	2.501	4.001		7.017	
CONTROL LINE EXRC		Сі	HAINA	GE 3	80.	000					
X = 345264.927 Y = 8130821.467 Z = 385.757		1 in -6	-3.43%	-3.4	3%	-1.27%		1.27%	1 in -6		
Datum 384.00											
DESIGN HEIGHT	385.311		385.671	385.688	385.757	385.732		385.706	705 777	100.000	
EXISTING SURFACE	385.311	385.312 385.498	385.644	385.675	385.784	385.729	385.682	385.531	70E 777	000.000 0	
OFFSETS	-5.917	-5.901 -4.001	-2.501	-2.001	0.000	2.001	2.501	4.001		0.243	
		СН	AINAG	GE 36	50.C	000					
CONTROL LINE EXRC X = 345266.714											
Y = 8130841.387 Z = 385.841		1 in -6	-3.00%	-3.0	0%	-3.00%	 	3.00%	1 in -6	-	
Datum 384.00	342	721	<i>66</i>	81	41	81	<u> </u>	721	94	33	
DESIGN HEIGHT	385.	385.		385.781	385.841) 385.766	385.	385.404	385.433	
EXISTING SURFACE	385.342	385.512	385.698		385.841	385.766	385.730	385.603	385.439	385.433	
OFFSETS	-6.271	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	5.960	
		CHA	INAGE	E 340	0.00	00					
					~~						
CONTROL LINE EXRC X = 345268.501		c	-3.00%	-3.0	υ%	-3.00%		3.00%	1 in -6	T	
X = 345268.501 Y = 8130861.307 Z = 385.970		1 in -6									
X = 345268.501 Y = 8130861.307				10	70	10	<u>35</u>	50	34	43	
X = 345268.501 Y = 8130861.307 Z = 385.970	385.427	385.850	385.895	8 385.910	0 <i>385.970</i>		3 385.895	7 385.850	5 385.534	3 385.543	
X = 345268.501 Y = 8130861.307 Z = 385.970 Datum 384.00	385.427 385.427	385.645 385.850	385.821 <i>385.895</i>	385.878	385.970 <i>385.970</i>	385.916 <i>385.910</i>		385.737 385.850	385.545 <i>385.534</i>		
X = 345268.501 Y = 8130861.307 Z = 385.970 Datum 384.00 DESIGN HEIGHT	385.427	385.850	385.821 <i>385.895</i>		385.	385.916				385.543	

A ISSUE FOR OPW APPROVAL RL 10886 19.10.18 REV DESCRIPTION TASK MAN. APPROVED RPEQ No. DATE

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G:\1000-2999\1700-1799\1761 228 Kanervo Road, Kuranda\DESIGN\CAD\DWG\1761-C09-C13.dwg

NOT FOR

CONSTRUCTION

19 October 2018

-5.901 385.955 385.782	386.123 386.185 -2.001 386.283 386.266	0.000 386.142 386.272 0.000 386.335	2.001 386.062 386.292 1 386.292 2.001 386.240 386.301 2.501 386.292 2.501 386.292	4.001 385.964 386.312 1 101 386.100 386.266	5.901 386.164 385.995 5.901 386.306 385.950 5.901 6.328 386.209 386.209 6.832 386.415 386.415 386.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 386.266	0.000 386.142 386.272 0.000 386.335 386.335	2.001 386.062 386.292 1 386.292 2.001 386.240 386.301 2.501 386.292 2.501 386.292 2.501 386.292	385.964 <i>386.312</i> 1 386.100 <i>386.266</i> 4.001	386.164 385.995 5.901 386.306 385.950 386.209 386.209 5.86.415 386.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 386.266	0.000 386.142 386.272 0.000 386.335 386.335	2.001 386.062 386.292 1 386.292 2.001 386.240 386.301 2.501 386.292 2.501 386.292 2.501 386.292	385.964 <i>386.312</i> 1 386.100 <i>386.266</i> 4.001	386.164 385.995 5.901 386.306 385.950 386.209 386.209 5.86.415 386.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 386.266	0.000 386.142 386.272 0.000 386.335 386.335	2.001 386.062 386.292 1 386.292 2.001 386.240 386.301 2.501 386.292 2.501 386.292 2.501 386.292	385.964 <i>386.312</i> 1 386.100 <i>386.266</i> 4.001	386.164 385.995 5.901 386.306 385.950 386.209 386.209 5.86.415 386.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 386.266	0.000 386.142 386.272 0.000 386.335 386.335	2.001 386.062 386.292 1 386.292 2.001 386.240 386.301 2.501 386.292 2.501 386.292 2.501 386.292	385.964 <i>386.312</i> 1 386.100 <i>386.266</i> 4.001	386.164 385.995 5.901 386.306 385.950 386.209 386.209 5.86.415 386.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 -2.001 386.294	0.000 386.142 386.272 0.000 386.335	2.001 386.062 386.292 1 \$	385.964 <i>386.312</i> 1 386.100 4.001 386.100	386.164 385.995 1 5.901 386.306 386.209 386.209 5.901 5.86.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 -2.001 386.294	0.000 386.142 386.272 0.000 386.335	2.001 386.062 386.292 1 \$	385.964 <i>386.312</i> 1 386.100 4.001 386.100	386.164 385.995 1 5.901 386.306 386.209 386.209 5.901 5.86.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.185 -2.001 386.294 -2.001 386.294	0.000 386.142 386.272 0.000 386.335	2.001 386.062 386.292 1 \$	385.964 <i>386.312</i> 1 386.100 4.001 386.100	386.164 385.995 1 5.901 386.306 386.209 386.209 5.901 5.86.415				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.123 386.163 -2.001 -2.501 -2.501 -2.501	0.000 386.142 386.272 386.272 0.000	2.001 386.062 386.292 1 100 2.501 386.012 386.297 2.501 2.501	385.964 <i>386.312</i>	386.164 385.995 1 386.209 386.209 5.901				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-4.34% -4.386.163 386.163 386.185 -2.001 386.123 386.185	-4.34% -4.34% 0.000 386.142 386.272	2.501 386.062 386.292	385.964 <i>386.312</i>	386.164 <i>385.995</i> 386.209 <i>386.209</i>				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2.501 386.111 386.163 -2.501 386.123 386.185	-4.34% -4.34% 0.000 386.142 386.272 0.000 0.000	2.501 386.062 386.292	385.964 <i>386.312</i>	386.164 <i>385.995</i> 386.209 <i>386.209</i>				
-5.901 385.955 385.782 -4.001 386.062 386.098	-2.501 386.111 386.163	0.000 386.142 <i>386.272</i>	2.001 386.062 <i>386.292</i> 2.501 386.012 <i>386.297</i>	385.964 <i>386.312</i>	386.164 <i>385.995</i> 386.209 <i>386.209</i>				
-5.901 385.955 385.782 -4.001 386.062 386.098	-2.501 386.111 386.163	0.000 386.142 <i>386.272</i>	2.001 386.062 <i>386.292</i> 2.501 386.012 <i>386.297</i>	385.964 <i>386.312</i>	386.164 <i>385.995</i> 386.209 <i>386.209</i>				
-5.901 385.955	-2.501 386.111	0.000 386.142 <i>386</i> .	<i>2.001</i> 386.062 <i>2.501</i> 386.012	385.964 386.31	386.164 386.209				
-5.901 385.955	-2.501 386.111	0.000 386.142 <i>386</i> .	<i>2.001</i> 386.062 <i>2.501</i> 386.012	385.964 386.31	386.164 386.209				
-5.901 385.955	-2.501 386.111	0.000 386.142	<i>2.001</i> 386.062 <i>2.501</i> 386.012	385.964	386.164 386.209				
-5.901 -4.001	-2.501	0.000	2.001 2.501						
CH		0		4.001	5.901 6.328				
	AINAGE				•				
1 in -6									
	-5.00%	-5.00%	5.00%	5.00% — — — –	1 in -6				
.637	029	154	254	354		681			
		386.				385.			
385.71	385.916	386.006	386.018 386.005			385.68			
		-							
	CHAINA			4		00			
<u>1_in_6</u>	-5.00%	-5.00%	5.00%	5.00%	1 in	6			
780			. 105	. 180		.365			
385.62 385.729	385.82{ 385.861	385.95	<u>385.98(</u> 385.96	385.862		385.36			
901 001		-							
	CHAIN			4		~			
						DESIGNED			
						DRAWN			
		NSULTANTS • PF	ROJECT MANAGERS	• ENGIN	ERS • PLANNERS	ACAD No.	┫	DRAWING No.	REVISI
			0 (07) 4944 1200	C		SCALE		1761-C11	
	-5.901 385.627 385.463 -5.901 385.714 -4.001 385.790 385.780 -4.001 385.783	-5.901 385.627 385.463 -5.901 385.714	+1/2 900098 0000 382.463 +1/2 916.382 382.463 0000 -5.001 382.463 0000 382.463 -5.002 -5.003 -5.003 10000 -5.001 382.280 382.280 10000 -5.002 -5.003 -5.003 -5.003 -5.001 382.828 382.828 382.828 -5.001 382.828 382.828 382.828 -5.001 382.828 382.828 10000 -5.001 382.828 382.828 10000 -5.001 382.828 382.828 10000 -5.001 382.828 382.828 10000 -5.001 382.828 382.828 10000 -5.001 382.828 382.828 10000 -5.001 382.828 10000 0000 -5.001 382.828 10000 0000 -5.001 382.828 10000 0000 -5.001 382.828 10000 00000 -5.001 382.828 10000 00000	+1/2 282:463 901 382:780 382:780 +1/1 88:382 382:780 382:780 382:780 -1 001 382:780 382:780 382:780 -1 010 382:780 382:882 382:882 -1 001 382:780 382:880 -5.007 -1 -2.001 382:882 382:882 382:882 -1 001 382:882 382:882 382:882 -2.001 -2.001 382:882 382:882 382:882 -2.001 -2.001 382:882 382:882 382:882 -2.001 -2.001 382:882 382:882 382:882 -2.001 -2.001 382:983 382:882 382:882 -2.001 -2.001 382:983 382:983 382:983 -2.001 -2.001 382:983 382:983 382:783 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001 -2.001	185:627 385.463 111 1385.627 111 1000	1100000000000000000000000000000000000	100-5- -5.00% 5.00% 1 in -6 100-7- CHAINAGE 420.0000 100-7- 000000000000000000000000000000000000	11 10 90 <td< td=""><td>101 101 100 1</td></td<>	101 101 100 1

ONTROL LINE EXRC = 345317.471	. — — — —1_ir	-6 -3.43%	-3.43% -	-1.72% -1.72%	$\frac{1}{1} = 6 + \frac{1}{10} = 2$	q				
= 8130759.162 = 386.335										
atum 384.00	81	198 249	35	92 56	50					
ESIGN HEIGHT	386.115 385.881	386.198 386.249	<u> 386.266</u> 386.335	386.301 386.292 386.266	<i>385.950</i> <i>386.415</i>					
XISTING SURFACE	386.115 386.140	386.232 386.283	386.294 386.335 386.335	386.240 386.211 386.100	386.306 386.415					
FFSETS	-6.369 -5.901	-4.001	-2.001 0.000	2.001 2.501 4.001	5.901 6.832					
	i	CHAINAG	E 460.00	0						
ONTROL LINE EXRC = 345297.566		c -4.34%	-4.34%	1.01% 1.01%	1 in -6					
<i>Y</i> = 8130761.103 <i>Y</i> = 386.272	<u>1_ir</u>	-6 -4.34%					_			
Datum 384.00		8 5 5	22	220	<u>1</u> 22		7			
DESIGN HEIGHT	385.937 385.782	<i>386.098</i> <i>386.163</i>	<u> 386.185</u> 386.272	386.292 386.297 386.312	385.995 386.209					
EXISTING SURFACE	385.937 385.955	386.062 386.111		386.062 386.012 385.964						
	6.213 38 5.901 38	4.001 38					_			
DFFSETS	-6.1		0	2.501	5.901 6.328					
		CHAINAGI	E 440.000)						
CONTROL LINE EXRC X = 345278.668	4 in	-6 -5.00%	-5.00%	5.00% 5.00%	1 in -6					
2 = 8130766.974 2 = 386.154										
0atum 384.00	710 537	954 029	154	254 279 354		381				
DESIGN HEIGHT	. 385.710	385. 386.		386.254 386.279 386.354		385.681				
EXISTING SURFACE	385.710 385.714	385.783 385.882	385.916 386.006	386.018 386.005 385.981		385.681				
DFFSETS	-6.046 -5.901	-4.001	-2.001 0.000	2.001 2.501 4.001		8.038				
		CHAIN	IAGE 420.	000						
CONTROL LINE EXRC < = 345265.857			F 000	5.00% 5.00%						
Y = 8130781.968 Z = 385.980	<u>1_ir</u>	-6 -5.00%	-5.00%		1 in	-6				
Datum 384.00	<u>33</u>	780 855	20	080 105 180	\ \	35				
DESIGN HEIGHT	385.612 385.463	385.780 385.855	385.880 385.980	386.080 386.105 386.180		385.365				
EXISTING SURFACE	385.612 385.627	385.729 385.828		385.980 385.963 385.862		385.365				
OFFSETS	-6.199 38 -5.901 38	-4.001 38 -2.501 38	~							
	- <i>6</i> . - <i>5</i> .			2.501		8.893				
		CHAI	NAGE 400				1			
Phyllis Gibbs		>>.	FIZ			DESIGNED CJS DRAWN	ROAD CRO SHEET 3 OI	SS SECTIONS		
<u>Phyllis Gibbs</u> -244 Kanervo Road,		DEVELOPMENT C	CONS	ULTING (ECT MANAGERS • ENGIN	GROUP	BJL ACAD No.				
Kuranda		CAIRNS (07) 4031 3199	DARWIN (08) 8943 0620	(07) 4944 1200	OWNSVILLE (07) 4724 5737	1761-C09-C13 scale	A1	DRAWING No. 1761-C11		
			www.flanagan	consulting.com.au		1:100	FULL SIZE	SHEET 11 OF 13	SHEETS	

									DO NOT	JUALL
CONTROL LINE EXRC X = 345317.471	-1 <u>in -6</u>	-3.43%	-3.43% -1	.72%	$\frac{1}{1} \frac{in}{in} = 6 + \frac{in^2}{in^2}$					
2 = 8130759.162										
atum 384.00	315	198 249 266	35	32	50					
DESIGN HEIGHT	386.115 385.881	386.198 386.249 386.266	386.335	386.301 386.292 386 266	385.950 386.415					
EXISTING SURFACE		386.232 386.283 386.294	386.335	386.240 386.211 386.100	386.306 386.415					
DFFSETS		-4.001 -2.501 -2.001		2.001 2.501 4 001	5.901 6.832					
	C	CHAINAGE	E 460.000)						
CONTROL LINE EXRC X = 345297.566 Y = 8130761.103 Z = 386.272	<u>_1_in6</u>	6 -4.34%			1 in -6		_			
Datum 384.00										
DESIGN HEIGHT		2 386.098 1 386.163 3 386.185		2 386.292 2 386.297 1 386 312						
EXISTING SURFACE		386.062 386.111 386.113 386.123		386.062 386.012 385.012	386.209					
OFFSETS	-6.213	-4.001 -2.501 -2.001	0.000	2.001 2.501	5.901 6.328					
	C	HAINAGE	440.000							
CONTROL LINE EXRC X = 345278.668 Y = 8130766.974 X = 386.154	<u>1 in -6</u>	5 -5.00%	_5.00% 5.0	00% 5.00%	1 in -6					
Datum 384.00										
DESIGN HEIGHT	385.710 385.637	385.954 386.029 386.054	386.154	386.254 386.279 386.354		385.681				
EXISTING SURFACE	385.710 385.714 365.714	385.882 385.882 385.916	386.006	386.018 386.005 385.005		385.681				
DFFSETS	-6.046	-4.001 -2.501 -2.001	0.000	2.001 2.501 4.001		8.038				
		CHAINA	IGE 420.C	000						
CONTROL LINE EXRC $\zeta = 345265.857$ $\zeta = 8130781.968$ $\zeta = 385.980$	1 in -6	5 -5.00%	-5.00% 5.0	00% 5.00%	1 in -6					
Datum 384.00										
DESIGN HEIGHT	385.612 385.463	385.780 385.855 385.880	385.980	386.080 386.105 386.180		385.365				
EXISTING SURFACE		385.828 3 385.828 3 385.861 3		385.980 3 385.963 3 385.862 3		385.365 3				
OFFSETS		-4.001 3 -2.501 3		2.001 3 2.501 3 4.001 3		8.893				
		CHAIN	IAGE 400.			~				
Phyllis Gibbs			FLA	ΝΑΟ	J A N	DESIGNED CJS DRAWN	ROAD CRO SHEET 3 OF	SS SECTIONS		
<u>Phyllis Gibbs</u> 3-244 Kanervo Road,					GROUP NEERS • PLANNERS	BJL acad no.				
Kuranda		CAIRNS (07) 4031 3199	. ,	MACKAY (07) 4944 1200 onsulting.com.au	TOWNSVILLE (07) 4724 5737	1761-C09-C13 SCALE	- A1 FULL SIZE	DRAWING No. 1761-C11		
				<u>.</u>		1:100	I ULL SIZE	SHEET 11 OF 13	SHEETS	/ \

DO NOT SCALE

CONTROL LINE EXRC X = 345317.471	<u>k</u> _1_in	_63.43	~	-1.72%	-1.72%	$\frac{1}{1}$ in $=6+\frac{1}{1}$			
Y = 8130759.162 Z = 386.335									
Datum 384.00	81	198	200	50 10 10	<u> </u>	50 15			
DESIGN HEIGHT	386.115 385.881	386.19 206.7	<u> 386.266</u> 386.266	386.301	<u> 386.266</u>	385.950 386.415			
EXISTING SURFACE	386.115 386.140			386.240 385.240					
OFFSETS	-6.369 38 -5.901 38								
OFFSEIS	-6 -5	•		2.001	4.001	5.901 6.832			
		CHAIN	AGE 460	0.000					
CONTROL LINE EXRC X = 345297.566 X = 8130761.103	1 in	-6 -4.34	%4.34%	1.01%	1.01%	1 in -6		_	
Y = 8130761.103 Z = 386.272									
Datum 384.00	37	098	<u>32</u> <u>85</u>	292	12	<u> </u>			
DESIGN HEIGHT	385.937 385.782		386.	386.292 386.292	386.312			_	
EXISTING SURFACE	385.937 385.955	386.062	386.123	386.062 286.062	385.964	386.164 386.209			
OFFSETS	6.213 3 5.901 3							_	
				2.001	4.001	5.901 6.328			
		CHAINA	GE 440.	.000					
CONTROL LINE EXRC X = 345278.668 Y = 8130766.974 Z = 386.154	<u>1 in</u>	-6 -5.00	% –5.00% 	5.00%	5.00%	1 in -6	>		
Datum 384.00									
DESIGN HEIGHT	385.710 385.637	385.954 285.000	386.054	386.254 386.254	<u> 386.354</u>		385.681		
EXISTING SURFACE	385.710 .			. 386.018 386.018			385.681		
OFFSETS	-6.046 -5.901	-4.0	-2.001	2.001	4.001		8.038		
		CHA	INAGE 4	20.000					
CONTROL LINE EXRC X = 345265.857 X = 8130781.068		-6 -5.00	% –5.00%	5.00%	5.00%	1 in -6			
Y = 8130781.968 Z = 385.980	<u>1_in</u>	-6 -5.00							
Datum 384.00	63	780		80 36	180		365		
DESIGN HEIGHT	385.612 385.463			386.080 386.080			385.		
EXISTING SURFACE	385.612 385.627			385.980			385.365		
OFFSETS	199 901								
	- <u>- 6.</u>			2:001	4.00		8.893		
		CH	AINAGE	400.000					
							designed CJS		OSS SECTIONS
Phyllis Gibbs		11	• <u> </u>		A -				
PECT <u>Phyllis Gibbs</u> 228-244 Kanervo Road,		**		<u>A N</u> NSULTII		A N Broup	DRAWN BJL	SHEET 3 C	



CONSTRUCTION 19 October 2018

NOT FOR

CONTROL LINE EXRC

X = 345397.096Y = 8130751.418

Z = 386.679

2 0001070		4	<u>in -6</u>	-3.00%		-3.00%	-3.00%		-3.00%	1 in -6		
Datum 386.00		\searrow						Į	_ _			
DESIGN HEIGHT	386.440	386.243	386.559	386.604	386.619	386.679	386.619	386.604	386.559	386.243	386.504	
EXISTING SURFACE	386.440	386.460	386.539	386.586	386.604	386.679	386.617	386.598	386.451	386.444	386.504	
OFFSETS	-6.296	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.632	

CHAINAGE 540.000

CONTROL LINE EXF X = 345377.189 Y = 8130753.354 Z = 386.396			1_in6	-3.00%		-3.00%	-3.00%	1	-3.00%	1 in =6*	in 2	
Datum 384.00			`									
DESIGN HEIGHT	386.191	385.959	386.276	386.321	386.336	386.396	<i>386.336</i>	386.321	386.276	385.959	386.425	
EXISTING SURFACE	386.191	386.210	386.295	386.363	386.368	386.396	386.361	386.327	386.217	386.335	386.425	
OFFSETS	-6.365	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.832	

CHAINAGE 520.000

CONTROL LINE EX X = 345357.283 Y = 8130755.290 Z = 386.355			in6	-3.00%		-3.00%	-3.00%	Ŧ	-3.00%	<u>1 in =6+</u>	in 2	
Datum 384.00												
DESIGN HEIGHT	386.150	385.918	386.235	386.280	386.295	386.355	386.295	386.280	386.235	385.918	386.371	
EXISTING SURFACE	386.150	386.176	386.261	386.308	386.318	386.355	386.326	386.301	386.150	386.265	386.371	
OFFSETS	-6.364	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	5.901	6.806	

CHAINAGE 500.000

CONTROL LINE EXRC X = 345337.377 Y = 8130757.226 Z = 386.378		1_in6		-3.00%	-3.00%	-3.00%	1 in_6	1-in 2	
Datum 384.00									
DESIGN HEIGHT	386.197 385.942	386.258	386.303 286.303	386.378	386.318	386.303 386.258	385.942	386.492	
EXISTING SURFACE	386.197 386.219	30	386.345 286 252		386.326	386.304 386.158	386.355	386.492	
OFFSETS	-6.412 -5.901	-4.001	-2.501	0.000	2.001	2.501 4.001	5.901	7.001	

CHAINAGE 480.000

				1		
						ASSOCIATED CONSULTANTS
А	ISSUE FOR OPW APPROVAL	RL		10886	19.10.18	
REV	DESCRIPTION	TASK MAN.	APPROVED	RPEQ No.	DATE	
THIS SOUT	DRAWING IS COPYRIGHT AND THE PROPERTY OF FLANAGAN CONSULT H PACIFICSANDS PTY. LTD. (ACN 052 933 687) AND MUST NOT BE	ING GROUP, A REPRODUCED	REGISTERED B WITHOUT WRITT	USINESS NA EN PERMISS	AME OF SION.	

G:\1000-2999\1700-1799\1761 228 Kanervo Road, Kuranda\DESIGN\CAD\DWG\1761-C09-C13.dwg





	- <i>6</i> .	-5.	-4.	-2.	-2.	0.0	2.0	2.5	4.0	
CONTROL LINE EXF X = 345416.991 Y = 8130749.385			СН	AINAG	Ε	580.0	000			
Z = 387.034		1	in -6	-3.00%		-3.00%	-3.00%		-3.00%	
Datum 386.00				-						=
DESIGN HEIGHT	386.688	386.597	386.914	386.959	386.974	387.034	386.974	386.959	386.914	
EXISTING SURFACE	386.688	386.701	386.829	386.919	386.949	387.034	386.939	386.913	386.812	
OFFSETS	-6.083	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	

CONTROL LINE EXRC X = 345436.854 Y = 8130747.047			CHA	INAGL	Ē	600.00	70		
Z = 386.993		1 1	in6	-3.00%		-3.00%	-3.00%	-	-3.00%
Datum 386.00									
DESIGN HEIGHT		386.556	386.873	386.918	386.933	386.993	386.933	386.918	386.873
EXISTING SURFACE	.72	386.738	386.813	386.882	386.908	386.993	386.938	386.922	386.833
OFFSETS		-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001

$\begin{array}{rcl} Y &=& 8130744.700 \\ Z &=& 386.505 \end{array}$										
	、	7	<u>1_in6</u>	-3.00%		-3.00%	-3.00%	ŢŦŢ	<u>-3.00%</u>	<u>_1_in</u> _
DESIGN HEIGHT	386 210	286 060	386.385	386.430	386.445	386.505	386.445	386.430	386.385	271 20Z
EXISTING SURFACE	3R6 210		i∣		386.451	386.505	386.475	386.468	386.479	121 202
OFFSETS	5 1 8 1 - 6			-2.501	-2.001	0.000	2.001	2.501	4.001	E DE1

CHAINAGE 620.000

CONTROL LINE EXE X = 345476.526 Y = 8130741.956 Z = 385.423	 	- 1 ¹ in 2	<u>1 in -6</u>	-3.23%		-3.23%	-2.09%		-2.09%	
Datum 384.00										
DESIGN HEIGHT	386.280	384.978	385.294	385.343	385.359	385.423	385.382	385.371	385.340	385.240
EXISTING SURFACE	386.280	385.134	385.274	385.367	385.384	385.423	385.329	385.309	385.229	385.188
OFFSETS	-8.506	-5.901	-4.001	-2.501	-2.001	0.000	2.001	2.501	4.001	4.601

CONTROL LINE EXRC

X = 345456.716

90		
1 385.188 385.240 2 385.570 385.570		
4.601		
386.464 <i>386.177</i>		
<i>5.251</i> 38 <i>5.810</i> 38		
386.789		
<i>5.901</i> 386.728 <i>6.367</i> 386.789		
$\frac{1 \text{ in } -6}{2681}$		
101 386.675 <i>386.597</i> 138 386.718 <i>386.718</i>		
DESIGNED CJS	SS SECTIONS	
DRAWN BJL RS ACAD No. LE 1761-C09 SCALE 1:100	T 5 Drawing no. 1761-C12 Sheet 12 of 13 sheets	REVISION

DO NOT SCALE

1307.30.701 19.4 19.4 19.4 376.00 988 19.5 19.4 19.5 376.00 988 11.5 19.4 11.5 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 111 1111 1111 11	Y = 8130758.761				1.36%	1.3	6%	-1.36%	_	1.36%	1 :	
HEIGHT G SURFACE S LINE EXEC S LINE EXEC G SURFACE G SURFACE	Z = 377.926				· — — T							
G SURFACE G SURFACE	Datum 376.00			0	0		9	0		<u> </u>		5
G SURFACE G SURFACE	DESIGN HEIGHT		877.83	377.98	877.96		377.92	877.89	\$77.89	877.87	1	\sim
$ S = \frac{599}{1007} + \frac{1007}{1007} + \frac{1007}{$												
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	EXISTING SURFACE		377	377	377			377.	377.	377.	1	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	OFFSETS		-4.853	-4.001	-2.501	-2.001	0.000	2.001	2.501	3.605		961.7
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					CHAI	VAGE						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CONTROL LINE EXRC $X = 345534.771$											
378.00 97.00 HEIGHT 900 801 G SURFACE 900 802 S 97.62.61 S 99.72.72.61 S 99.72.72.72 S 99.72.72	Y = 8130745.767Z = 379.217			-6	-3.94%	-3.9)4%	3.94%		3.94%	<u>1 in -6</u>	
G SURFACE G SURFACE G SURFACE S S SO 200 380 380 00 40 50 510 510 510 510 510 510 510 510 510	Datum 378.00											
G SURFACE G SURFACE G SURFACE S S SO 200 380 380 00 40 50 510 510 510 510 510 510 510 510 510	DESIGN HEIGHT	0.036	.8.743	.9.060	1		21	9.296	9.316	9.375	8.965	
S 487 8- 100 7- 100												
S 487 8- 100 7- 100	EXISTING SURFACE	380.0.	379.95	379.5.	379.0	379.08	379.2	379.28	379.28	379.18	378.9(
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS	487	901									
DL LINE EXRC 45516.175 130738.723 81.157 380.00 HEIGHT G SURFACE S S		8		-4	2 -	2	0.0	2.0	2.5	4.0	6.4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CONTROL LINE EXRC		СН/	4 <i>/NA</i>	GE 6	80.0	00					
381.157 380.00 HEIGHT -5.001 380.00 380.809 4.001 380.003 380.001 380.809 380.002 380.809 380.001 380.809 380.001 380.909 901 380.909 902 380.909 903 380.909 903 380.909 903 380.909 903 380.909 903 380.909 903 380.909 91.12 380.909 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 12.12 111 13.12 111 13.12 111 13.12 111 <td>X = 345516.175 Y = 8130738.723</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>F 00%</td> <td></td> <td>5.00%</td> <td></td> <td></td>	X = 345516.175 Y = 8130738.723							F 00%		5.00%		
Col 5 5 HEIGH 1380.809 380.809 -6.239 380.809 380.809 -5.901 380.803 380.809 -5.901 380.803 380.809 -5.901 380.803 380.809 -5.901 380.803 380.809 -5.901 381.057 381.057 -2.501 381.057 381.057 2.001 381.057 381.057 2.001 381.057 381.257 2.001 381.057 381.257 2.001 381.057 381.257 2.001 381.057 381.257 2.001 381.057 381.257 2.001 381.257 381.257 2.001 381.257 381.257 2.001 381.257 381.257 2.001 381.257 381.257 2.001 381.505 381.257 2.1407 380.820 381.257 7.407 380.505 380.505	Z = 381.157		<u>_1 in</u>	_6	-5.00%	-5.0)0%	5.00%			1 in -4	
CO CO CO ABABABA ABABABA ABABABA ABABABABA	Datum 380.00		309	957	<i>)</i> 32)27	157	257	282	357		505
-6.239 -5.901 -2.501 2.501 2.501 7.407	DESIGN HEIGHT						381.					
-6.239 -5.901 -2.501 2.501 2.501 7.407			0.809 0.835	0.964	1.057	1.073	1.157	1.114	1.029	0.820		0.505
	EXISTING SURFACE											
	EXISTING SURFACE		-6.23 -5.90	-4.00	-2.50	-2.00	0.000	2.001	2.501	4.001		7.407
CHAINAGE 660.000	EXISTING SURFACE OFFSETS			_			660.	000				
				СІ	HAINA	GE E						
				Ci	HAINA	IGE (
45496.283 130738.850 -4.14% -4.14% 1.54% 1.54% 1.54% -4.14% -4.14% 1.54% 1.54% 1.54% 1.54% -4.14% 1.54% 1.54% 1.54% 1.54%	OFFSETS CONTROL LINE EXRC		<u>1 in</u>				4%	1.54%	ŧ,ŧ	1.54%	<u>1_in_=6_</u>	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850			-6	-4.14%	-4.1			++++			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614			-6	-4.14%	-4.1			3.653			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00		383.364	383.449 ¹⁵	-4.14%	383.532	383.614	383.645		383.676	383.359 383.687	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00		383.364	383.449 ¹⁵	-4.14%	383.532	383.614	383.645		383.676	383.359 383.687	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00 DESIGN HEIGHT		383.364 <i>383.364</i> 383.379 <i>383.132</i>	383.441 <i>383.449</i>	383.502 <i>383.511</i>	383.526 383.532	383.614 383.614	383.562 383.645	383.567	383.612 <i>383.676</i>	383.679 <i>383.359</i> 383.687 <i>383.687</i>	
	EXISTING SURFACE		-6.239 -5.901	Ι	I				2.501	4.001		
	FFSETS			СІ	HAINA	IGE E						
45496.283	OFFSETS CONTROL LINE EXRC C = 345496.283			Сі	HAINA					4 5 407		
45496.283 130738.850 -4.14% -4.14% 1.54% 1.54% 1.54% -4.14% -4.14% 1.54% 1.54% 1.54% 1.54% -4.14% 1.54% 1.54% 1.54% 1.54%	DFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850						4%	1.54%		1.54%	<u>1_in_6</u>	
45496.283 130738.850 -4.14% -4.14% 1.54% 1.54% 1.54% -4.14% -4.14% 1.54% 1.54% 1.54% 1.54% -4.14% 1.54% 1.54% 1.54% 1.54%	DFFSETS CONTROL LINE EXRC $X = 345496.283$ $Y = 8130738.850$		<u>_1 in</u>				4%	1.54%	ŧ	1.54%	<u>1_in6</u>	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614		<u>1 in</u>				4%	1.54%	+++	1.54%	<u>1_in6_</u>	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00			-6	-4.14%	-4.1			653			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00			-6	-4.14%	-4.1			383.653			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00 DESIGN HEIGHT		383.364	383.449 ¹⁵	-4.14%	383.532	383.614	383.645		383.676	383.359 383.687	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00 DESIGN HEIGHT		383.364	383.449 ¹⁵	-4.14%	383.532	383.614	383.645		383.676	383.359 383.687	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00 DESIGN HEIGHT EXISTING SURFACE		383.364 <i>383.364</i> 383.379 <i>383.132</i>	383.441 <i>383.449</i>	383.502 <i>383.511</i>	383.526 383.532	383.614 383.614	383.562 383.645	383.567	383.612 <i>383.676</i>	383.679 <i>383.359</i> 383.687 <i>383.687</i>	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	OFFSETS CONTROL LINE EXRC X = 345496.283 Y = 8130738.850 Z = 383.614 Datum 382.00 DESIGN HEIGHT EXISTING SURFACE		383.364 <i>383.364</i> 383.379 <i>383.132</i>	383.441 <i>383.449</i>	383.502 <i>383.511</i>	383.526 383.532	383.614 383.614	383.562 383.645	383.567	383.612 <i>383.676</i>	383.679 <i>383.359</i> 383.687 <i>383.687</i>	

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TASK MAN. APPROVED RPEQ No. DATE

G:\1000-2999\1700-1799\1761 228 Kanervo Road, Kuranda\DESIGN\CAD\DWG\1761-C09-C13.dwg

DESCRIPTION

REV

NOT FOR

CONSTRUCTION

19 October 2018



CONTROL LINE EXRC



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CH	- Al	NAGE	. 7	20.00	0

	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
CONTROL LINE EXE X = 345567.327 Y = 8130767.737 Z = 376.523	CC CHAINAGE 740.000
Datum 376.00	
DESIGN HEIGHT	376.531 376.556 376.559 376.590 376.445 376.445 376.426 376.426 376.426 376.456
EXISTING SURFACE	376.531 376.538 376.538 376.538 376.555 376.555 376.296 376.296 376.493 376.493 376.493
OFFSETS	-4.724 -3.970 -3.970 -2.001 -2.001 -2.001 2.501 3.601 3.601 3.601

CONTROL LINE EXRC X = 345587.173 Y = 8130765.941 Z = 373.817			-1.16%	-1.16%	-3.26%			1 in 2 -	 	·
Datum 372.00									 	
DESIGN HEIGHT	375.442	<i>373.675</i> <i>373.775</i>	73.	3/3./94 373.817	373.752	373.719	373.619	374.759		
EXISTING SURFACE	375.442	374.522 374.110	373.762	3/3.808 373.817	373.783	3/3.978 373.978		374.759		
OFFSETS	-7.771	-4.237 -3.637	50	-2.001 0.000			3.601	5.882		
	СЦ	ΛΙΛΙΛΟ								

CHAINAGE	748.	132
	, ,	





designed CJS	ROAD CROS	SS SECTIONS		
drawn BJL	SHEET 5 OF	5		
acad no. 1761-C09-C13	Λ 1			REVISION
scale 1:100	FULL SIZE	1761-C13 SHEET 13 OF 13	SHEETS	А

372.580	
372.580	
3.360	



Registered Drawing Transmittal

ISSUED TO):			Р	ROJEC ⁻	T:				
Mareeba Shire Council				2	24 Kan	ervo Ro	ad			
PROJECT	No.	DAY	19							
1761		MONTH	10							
-		YEAR	18							
Drg No.	Drawing Title					F	Revision			
4839-C01	SITE PLAN AND DRAWING INDEX		Α							
4839-C02	STANDARD NOTES		Α							
4839-C03	GENERAL ARRANGEMENT		Α							
4839-C04	MARLIN DRIVE CUL-DE-SAC - SETOUT A	ND GRADING	Α							
4839-C05	EAST WEST DRAINAGE CHANNEL - PLA	N & LONG SECTION	Α							
4839-C06	EAST WEST DRAINAGE CHANNEL - PED	ESTRIAN BRIDGE & DETAILED	Α							
4839-C07	EAST WEST DRAINAGE CHANNEL - CRC	SS SECTION SHEET 1 OF 2	Α							

4839-C06	EAST WEST DRAINAGE CHANNEL - PEDESTRIAN BRIDGE & DETAILED	A						
4839-C07	EAST WEST DRAINAGE CHANNEL - CROSS SECTION SHEET 1 OF 2	Α						
4839-C08	EAST WEST DRAINAGE CHANNEL - CROSS SECTION SHEET 2 OF 2	Α						
4839-C09	SITE GRADING	Α						
4839-C10	ALLOTMENT BUILDING PADS	A						
4839-C11	MODIFICATION TO EXISTING COASTAL GUTTER DRAIN	Α						
4839-C12	WATER RETICULATION	A						
4839-C13	EROSION AND SEDIMENT CONTROL STRATEGY	A						
4839-C14	EROSION AND SEDIMENT CONTROL DEVICE - SHEET 1 OF 2	A						
4839-C15	EROSION AND SEDIMENT CONTROL DEVICE - SHEET 2 OF 2	A						

Distribution									Copi	es				
Mareeba Shire Council				1										
				_										
Reason for Issue				A										
	P - Preliminary	C - Construction	R - Revision		mation	A - Ap	proval	0 - 0	Origin	al ⁻	T - Tei	nder		
	P - Preliminary	C - Construction	R - Revision		mation	A - Ap	proval	0 -	Origin	al	T - Tei	nder		
Dispatch Code	,	C - Construction A3 hardcopy, H4 -		X - Infor									g file	

ACKNOWLEGEMENT OF RECEIPT REQUIRED NO

ACKNOWLEGED BY:

(Signature)

CAIRNS +617 4031 3199 | cairns@flanaganconsulting.com.au | 138 Spence Street PO Box 5820 CAIRNS QLD 4870 DARWIN +61 8 8911 0046 | darwin@flanaganconsulting.com.au | 8 Shepherd Street GPO Box 4299 DARWIN NT 0800 MACKAY +61 7 4944 1200 | mackay@flanaganconsulting.com.au | 56 Gordon Street PO Box 45 MACKAY QLD 4740 TOWNSVILLE +61 7 4724 5737 | townsville@flanaganconsulting.com.au | 370 Flinders Street PO Box 891 TOWNSVILLE QLD 4810 Flanagan Consulting Group is a registered business name of South Pacificsands Pty Ltd A.C.N. 052 933 687



Name of Council: Mareeba Shire Council

Development Name and Location: 224 Kanervo Road, Koah

Planning Permit No/Council File No: DA / 15 / 0045

DESIGN SUBMISSION	<u>CHECK</u>	COMMENT
1. Completed 'Statement of Compliance' form. (FNQROC - AP1 – Appendix A)	\checkmark	
2. IDAS Forms A ,E & IDAS Accessment 1 Checklist (Available from <u>www.ipa.qld.gov.au</u>)	\checkmark	TO BE PAID ON LODGEMENT
3. Payment of Engineering Application Fees (Copy of receipt to be attached)	\checkmark	
4. Copy of Decision Notice for Development Application Conditions, <u>inc. explanation of how</u> <u>each condition is to be addressed (Statement</u> <u>of Compliance)</u>	\checkmark	
5. Engineering Design drawings - Complete sets (1 x A1 set, 2 x A3 sets and 1 x electronic copy on compact disc in 'PDF' format)		PDF in A1 size in E-mail
6. One copy of Design and Standard Specifications (Unbound Copy Preferable)		NONE PROVIDED
7. Written consent from adjoining property owners authorising any works on their property		NOT APPLICABLE
8. Water reticulation network in electronic format (Engineer to confirm system requirements and compatibility with Cairns Water)		NOT APPLICABLE
 9. Landscape drawings - Complete set (1 x A1 set, 2 x A3 sets and 1 x electronic copy on compact disc in 'PDF' format). These must be accompanied by elements of the stormwater & street ltg. layout design, to avoid conflicts. 		NOT APPLICABLE



DESIGN SUBMISSION	<u>CHECK</u>	COMMENT
10. Overall network drawings (for staged development) for:		
• Water		NOT APPLICABLE
Stormwater		NOT APPLICABLE
• Sewer		NOT APPLICABLE
Pathways and roads		NOT APPLICABLE
Street Lighting		NOT APPLICABLE
Electrical		NOT APPLICABLE
• Gas		NOT APPLICABLE
Public Transport		NOT APPLICABLE
Park Reserves		NOT APPLICABLE
Drainage Reserves		NOT APPLICABLE
11. Pavement design criteria		
12. Geotechnical reports for proposed earthworks		NOT APPLICABLE
13. Structural and geotechnical certificates for retaining walls etc.		NOT APPLICABLE
14. Water supply/sewerage pump station design parameters		NOT APPLICABLE
15. Stormwater drainage calculations		NOT APPLICABLE
16. Erosion and Sediment Control Strategy (ESCS)		NOT APPLICABLE
17. Declared Pest Management Plan (if applicable)		NOT APPLICABLE
18. The approval of any other Authorities & concurrence agencies likely to be affected by the works.		NOT APPLICABLE



19. Contact details of the Consulting Engineer who is submitting the Application:

Name of Engineer	Jarrod Brown	
Name of Company	Flanagan Consulting Group	
Telephone Number (s)	Office: 07 4724 5737	Mobile: 0419123189
Email address	jarrod@flanaganconsulting	g.com.au
RPEQ No.	19349	

20. Date of submission of application 10 / 10 / 2018 ..

(For further information on all of the above refer to the FNQROC Development Manual Section AP1)

FNQROC DEVELOPMENT MANUAL

(INSERT COUNCIL NAME)

STATEMENT OF COMPLIANCE OPERATIONAL WORKS DESIGN

This form duly completed and signed by an authorised agent of the Designer shall be submitted with the Operational Works Application for Council Approval.

Name of Development

Location of Development

Applicant

Designer

It is hereby certified that the Calculations, Drawings, Specifications and related documents submitted herewith have been prepared, checked and amended in accordance with the requirements of the FNQROC Development Manual and that the completed works comply with the requirements therein, **except** as noted below.

Compliance with the requirements of the Operational Works Design Guidelines	Non-Compliance refer to non-compliance report / drawing number
Plan Presentation	
Geotechnical requirements	
Geometric Road Design	
Pavements	
Structures / Bridges	
Subsurface Drainage	
Stormwater Drainage	
Site Re-grading	
Erosion Control and Stormwater Management	NOT APPLICABLE
Pest Plant Management	
Cycleway / Pathways	

Landscaping	
Water Source and Disinfection/Treatment Infrastructure (if applicable)	NOT APPLICABLE
Water Reticulation, Pump Stations and water storages	NOT APPLICABLE
Sewer Reticulation and Pump Stations	NOT APPLICABLE
Electrical Reticulation and Street Lighting	NOT APPLICABLE
Public Transport	NOT APPLICABLE
Associated Documentation/ Specification	NOT APPLICABLE
Priced Schedule of Quantities	TO BE PROVIDED AT THE PRE-START
Referral Agency Conditions	NOT APPLICABLE
Supporting Information (AP1.08)	NOT APPLICABLE
Other	NOT APPLICABLE

Conscientiously believing the above statements to be true and correct, signed on behalf of:

Designer	RPEQ No
Name in Full	
Signature	Date