

#70563 URGENT - FW: ADVISE - Application for the removal of a banyan tree at the Anzac Memorial Park, Townsville (QHR 600934)

Submitted Received via

September 8, 2020 at 12:26 PM Mail

Requester

Heritage Assessment <stateheritagedevelop@des.qld.gov.au>

Status Type **Priority** Group **Assignee** Closed Task **Due date** Normal CSI AO4 Veronica L

Source **Business Area Action Type** Enquiry Email Heritage

Ted Brandi September 8, 2020 at 12:26 PM

Hello.

I write regarding the information in the message below, that a Banyan tree in Anzac Memorial Park, Townsville, across from the Queen's Hotel (QHR 600936), could potentially be in imminent danger of structural failure and requires removal, likely under the terms of the General Exemption Certificate, section 4.9.

As noted below, a formal report is being prepared, and a brief (two week) period of public consultation will be undertaken, during which time the situation will be closely monitored, but it was to advise DES that it may be deemed necessary in the meantime to commence removal works at little to no notice if the tree's condition deteriorates to the point of unacceptable risk.

It is intended to abide by the stipulation that a replacement tree of the same species be put in place of the removed tree, however it may not be possible to replicate the exact species, and the replacement tree will certainly not be at the size and scale of the former tree, and this would likely be the case for quite some time.

Please let me know if additional information is required. Otherwise, a report will be forwarded to DES in due course.

Many thanks,

Ted Brandi

Heritage Officer - Land Use & Urban Design Planning & Community Engagement

P 07 4727 9455

E ted.brandi@townsville.gld.gov.au

143 Walker Street, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

From: Sebastian Paris <sebastian.paris@townsville.qld.gov.au>

Sent: Tuesday, 8 September 2020 11:48 AM To: Ted Brandi < Ted. Brandi@townsville.gld.gov.au>

Subject: ADVISE - Application for the removal of a banyan tree at the Anzac Memorial Park

https://aldenvironment.zendesk.com/tickets/70563/print

Good Morning Ted,

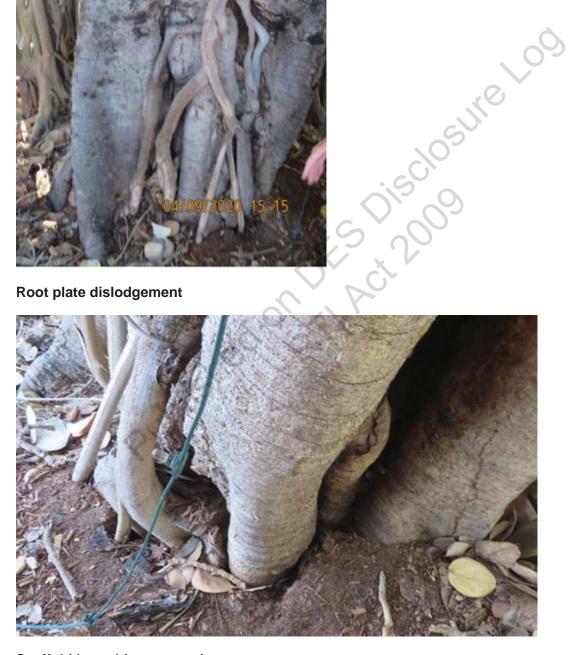
I undertook an inspection on Friday at one of the iconic Banyan Figs at Anzac Park. The tree's structural integrity is at the point where failure is highly likely. Please find attached photos of the main trunk where it is starting separate from the lower ground tree parts and clearly moving in the root plate. I will send up a report for approval for removal. We will require traffic management and notification to the local community and this may have a 2 week turn around. If you can please advise what kind of approval we will need from the State government.



Main trunk separation



Root plate dislodgement



Scaffold branching separation



Kind regards

Sebastian Paris

Senior Arborist Officer - POSE Construction, Maintenance and Operations

P 4727 8880



E Sebastian.paris@townsville.qld.gov.au

113 Dalrymple Road, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

















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Veronica L September 8, 2020 at 1:00 PM

Good afternoon

ted.brandi@townsville.qld.gov.au

Please refer to the email below.

Can you please arrange for an officer to respond to Ted in regards to his enquiry.

Regards

Veronica L Permit and Licence Management Regulatory Support

Department of Environment and Science www.des.qld.gov.au

P 1300 130 372 (select option 4)

F: (07) 3330 5875

E: palm@des.qld.gov.au 400 George Street Brisbane 4000

GPO Box 2454 BRISBANE QLD 4001

Support Software by Zendesk



BLAVIUS Janelle

From: PALM

Sent: Tuesday, 11 May 2021 8:37 AM

To: BLAVIUS Janelle

Subject: Fw: 202009-10721 EC Notice of approval - Anzac Memorial Park, Townsville

QHR600934

Attachments: 202009-10721 EC Certificate_Remove part of Banyan tree in road reserve.pdf;

Unsafe tree to be removed

From: Ted Brandi < Ted. Brandi@townsville.qld.gov.au>

Sent: Friday, 20 November 2020 10:27 AM

To: PALM <PALM@des.qld.gov.au>

Subject: FW: 202009-10721 EC Notice of approval - Anzac Memorial Park, Townsville QHR600934

Hello,

I write in accordance with Condition 3 in the attached Exemption Certificate, to advise that works will commence tomorrow, 21 November 2020.

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File C

Please let me know if additional information is required.

Many thanks,

Ted Brandi

Heritage Officer - Land Use & Urban Design Planning & Community Engagement

P 07 4727 9455 E ted.brandi@townsville.qld.gov.au

143 Walker Street, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

From: ROWE Charles < Charles. Rowe@des.qld.gov.au>

Sent: Thursday, 1 October 2020 5:19 PM

To: Ted Brandi <Ted.Brandi@townsville.qld.gov.au>

Subject: 202009-10721 EC Notice of approval - with conditions QHR600934

Good afternoon Ted,

Your application for an exemption certificate has been approved, with conditions – for the removal of a section of one of the Banyan trees at Anzac Memorial Park.

Please find attached your certificate.

To manage public expectations I understand we have discussed some signage being included on site to alert the public as to the need for the works and the future replacement of the section, I would expect this would form part of the intent in the application to manage the public consultation so it has not been required as a condition of the on DES Disclos approval.

Let me know if you have any further questions.

Thank-you,



Charles Rowe

Senior Heritage Officer

Arts and Heritage

Department of Environment and Science

E: Charles.rowe@des.qld.gov.au P: 07 3330 5026

Level 27, 400 George Street, Brisbane QLD 4000

GPO Box 2454, Brisbane QLD 4001

Arts and Heritage acknowledges the Traditional Owners and Custodians of the lands, waters and seas on which we work and live paying respects to Elders, past, present and future.

Please note: In keeping with the Government's requirements, Heritage branch staff are operating remotely. For us, it is business as usual. However, to best channel your enquiry, we can be contacted by email through the contacts below. If you would like us to give you a call, please indicate this in your email. We ask for your patience as we work through these arrangements.

- For enquiries about the Queensland Heritage Register: heritage@des.qld.gov.au
- To contact the Queensland Heritage Council: heritage.council@des.qld.gov.au
- To report damage to Queensland Heritage Register places: pollutionhotline@des.qld.gov.au
- For enquiries about getting approval to do development at a Queensland heritage place: palm@des.qld.gov.au
- For enquires about terrestrial archaeology and underwater cultural heritage like historic shipwrecks: archaeology@des.qld.gov.au

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BLAVIUS Janelle

From: PALM

Sent: Tuesday, 11 May 2021 8:37 AM

To: BLAVIUS Janelle

Subject: Fw: 202012-11135 EC (QHR600934) - S74 APPROVAL - Replace weeping figs, Anzac

Memorial Park, Townsville

From: Ted Brandi < Ted. Brandi@townsville.qld.gov.au>

Sent: Wednesday, 10 March 2021 1:17 PM

To: PALM < PALM@des.qld.gov.au>

Cc: Sebastian Paris <sebastian.paris@townsville.qld.gov.au>

Subject: FW: 202012-11135 EC (QHR600934) - S74 APPROVAL - Replace weeping figs, Anzac Memorial Park,

Townsville

Hello.

I write in accordance with Condition 3 of the above-referenced Exemption Certificate, that works are due to commence on 18 March. Council will advise DES upon completion as well.

Please let me know if additional information is required

Many thanks,

Ted Brandi

Heritage Officer - Land Use & Urban Design Planning & Community Engagement

P 07 4727 9455 M CTPI 49-Sch4 E ted.brandi@townsville.qld.gov.au

143 Walker Street, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

From ^{73(2)Irrele} Jason < Jason. ^{73(2)Irrel}@dva.gov.au>

Sent: Wednesday, 10 March 2021 12:54 PM

To: Sebastian Paris <sebastian.paris@townsville.qld.gov.au>

Cc: Ted Brandi (Ted.Brandi @townsville.qld.gov.au>; 73(2)|rreleventer | 73(2)|rreleven

Allison <Allison, 73(2)Irreleva @dva.gov.au>; 73(2)Irreleva Danielle <Danielle | 73(2)Irreleva @dva.gov.au>

Subject: RE: 202012-11135 EC (QHR600934) - S74 APPROVAL - Replace weeping figs [TO BE CLASSIFIED]

[SEC=OFFICIAL]

Hi Sebastian,

A further update to let you know that Skilled Trees will commence the removal of the two Ficus benjaminas from the North Queensland Garden or Remembrance in Anzac Park next week on Thursday the 18th of March.

Regards,

Jason 73(2)Irrelev Regional Manager – North Qld Office of Australian War Graves.

e: jason. 73(2)Irrel@dva.gov.au
p: 73(2)Irrelevant
m 73(2)Irrelevant

PO Box 72 Belgian Gardens QLD 4810



The department acknowledges the traditional owners of the land throughout Australia and their continuing connection to country, sea and community. We pay our respect to all Aboriginal and Torres Strait Islander peoples, their cultures and to their elders past and present.

☐ Regional Info & Filing (hard copy) ☐ Electronic a	pplication received 🖂 Regional - Action Required				
Department/Office: 400 George Street	AR / ZenDesk No.: 72005				
Project No: N/A	Application No: N/A				
Permit No: N/A	PaLM Coordinator: Philip Wright				
Heritage No: 600934 – ANZAC Memoria	ıl Park				
Queensland Heritage Act 1992 &	Queensland Heritage Regulation 2003				
Palm NON-SPA	Validation Checklist				
Application Type Indicate	by Yes ⊠				
Development by the State (s71)	☐ Nominate a place to the Heritage Register (s35)				
Exemption Certificate (s72)	☐ Remove a place from the Heritage Register (s36)				
Exemption Certificate by the State (s72)	NOTE: No validation required for nomination and removal				
Application Details	applications – No application checks or searches required.				
Company/Business Name: Townsville City Council	105				
Individual or Contact Name: Theodore Brandi					
Lot/Plan & Location details: Lot 290 Plan CP859212					
Application Dates	6 0				
Date Received: 21/09/2020 Application Date: 21/09/2020					
Due Date: 05/10/2020					
Application Checks Indicate by Yes ⊠ Please note: A blank box may indicate an 'INVALID' application					
☑ Current version of application form used					
⊠ Applicant details completed					
⊠ Name & address of QLD Heritage Registered place					
⊠ Heritage Register number provided					
⊠ Forms signed and dated					
☑ Supporting documentation provided (This includes for example; reports, plans, photos etc)					
	proposing development, material required under s4 of the ed development & impact of development on significance)				
S72 applications require: Scaled site plan, recent photographs, Heritage agreeme	nt, Heritage Impact Statement				
☑ Title search completed - Smartmaps					
☐ Is on EMR/CLR: ☐ Bring-up sent via email to Herita					
No ☐ Yes - Email: EMR.CLR.Registry@ehp.qld.gov.au Team					

□ CHIMS search completed

Application form

Heritage

Exemption Certificate

Use this form to apply for an Exemption Certificate under the Queensland Heritage Act 1992 for development on a Queensland Heritage Place (a place entered in the Queensland Heritage Register).

An Exemption Certificate may only be issued for development at a Queensland Heritage Place that:

- will not have a detrimental impact on its cultural heritage significance, or
- will have no more than a minimal detrimental impact on the cultural heritage significance of the place, or
- is permitted under a heritage agreement.

1. **Applicant details**

Is this application being m	ade by, or on behalf o	of, a departm	ent or agency of th	e Queensla	and Government?
⊠ NO		YES	S)		
DEPARTMENT/AGENCY OR C Townsville City Council	CORPORATION NAME		COLO		
FAMILY NAME OF APPLICANT Brandi	FOR ORGANISATION RE	PRESENTATIVE	9		
GIVEN NAME (S) Theodore Frederic		() x	200	TITLE MR.	
RESIDENTIAL ADDRESS, OR PO BOX 1268, TOWNSV		S ADDRESS FOR	CORPORATIONS	POSTCOD 4810	E
TELEPHONE 4727 9455	000				
EMAIL Ted.brandi@townsville.gl	d.gov.au				
POSTAL ADRESS (WRITE "AS AS ABOVE	ABOVE" IF SAME AS RE	ESIDENTIAL/REC	BISTERED BUSINESS	ADDRESS)	POSTCODE

Details of place

NAME OF HERITAGE PLACE A Anzac Memorial Park	AND/ OR FORMER NAME		
QUEENSLAND HERITAGE REGISTER NUMBER 600934			
STREET ADDRESS 14 The Strand, Townsville	e City 4810		
REAL PROPERTY DESCRIPTION	LOT 290	PLAN CP 859212 (NB – subject tree is partially in adjacent road reserve)	

File C

LOCAL GOVERNMENT AUTHORITY TOWNSVILLE CITY COUNCIL				
OWNERSHIP DETAILS COUNCIL OF THE CITY OF TOWNSVILLI	E AS TRUSTEE			
3. Pre-lodgement				
3.1 Have you consulted with the De application or other applications	partment of Environment and Science (DES) about this relating to this place?			
\square NO \rightarrow Go to secti	on 3.2			
\boxtimes YES \rightarrow Provide fol	lowing details			
NAME OF DES CONTACT OFFICER Charles Rowe				
BRIEF DESCRIPTION OF ADVICE GIVEN Prepare arborist report and lodge Exemp	tion Certificate application.			
3.2 Have you attended a pre-lodgen	nent meeting with DES about this application?			
NO → Go to secti				
\square YES \rightarrow Provide fol	lowing details			
DATE OF MEETING	Ois o			
NAMES OF PERSONS WHO ATTENDED THE ME	EETING			
4. Proposed Development	0, 3,			
4.1 General details				
Type of development proposed (e.g. building work, landscaping, archaeological excavation)	Landscaping.			
Brief description of proposed development	Partial removal of banyan tree identified as unsafe.			
Reason for carrying out development	As above – council senior arborist has identified a high risk of collapse of affected portion of tree.			
Estimated cost of development \$5,000. (for statistical purposes)				
4.2 Is the development permitted ur	nder a current heritage agreement?			
\boxtimes NO \rightarrow Go to section 4.3				
\square YES \rightarrow Provide the following	ng details			
NAME OF AGREEMENT				
DATE OF COMMENCEMENT				
PERSONS WHO ENTERED THE AGREEMENT				



4.3 Will the development help to conserve the place?

	NO \rightarrow	Go to section 4.4
\boxtimes	YES \rightarrow	Provide the following details

List conservation techniques to be used	The tree had initially been proposed for complete removal; however, an in-depth assessment identified that approximately half the tree can be retained.
List any heritage policies for the place that have been used to guide the development	Regular monitoring of significant trees and other natural features of Anzac Memorial Park.
Has advice been sought from a heritage consultant or specialist conservation tradesperson (if yes, provide details)	See attached report by council's arborist. There will also be a period of public notification, to inform the community about the removal of a portion of the tree.

4.4 How will the development change the place?

Describe the existing condition of the place including any structural or maintenance issues	Anzac Park is the primary war memorial location in Townsville. As above and per attached report, the structural integrity of part of one banyan tree has been identified as having a high risk of failure and poses a threat to public safety.
List the changes that will be made to the place as a consequence of the development	As above and per attached report. The map shows the approximate portion of the tree proposed for removal (in red), and for retention (in green).
Provide details of any existing features to be removed or demolished	As above and per attached report.
List significant features of the place affected by development	As above and per attached report.
Describe work that alters or varies original building details (e.g. vents, capping, carving, chimneys, window and door hardware, fittings, decoration or glazing)	N/A.
Describe changes to the setting or context of the place (including views to and from the place)	The works will have moderate visual impact in the tree's immediate vicinity within Anzac Park. In an overall context (from farther away), in some parts of the park there will be little to no discernible change.

4.5		•	-	-	g or other work required by the development directly age feature?
		NO	\rightarrow	Go to secti	on 5
	\boxtimes	YES	\rightarrow	Provide the	e following details
	List the wo developme		ed to c	arry out the	Removal of a portion of a large banyan tree.
	List trade sout the wor		used i	n carrying	Arboriculture.
I	List conser methods to existing ap materials a	be used pearance	that wi , techn	ll match iques or	N/A
ı	List new m not previou place that v	sly found	at the		N/A
	Provide de cleaning tre				N/A
on	pporting in the cultura	formation I heritage	must b	e provided to	rger than A3 format) fully describe the development and enable assessment of its impact Queensland heritage place. A request for further information may be rovided.
5.1	l Manda	tory info	ormati	on required	for all applications attached to support the application.
	\boxtimes			· ·	tage register boundary, existing features of the place, location and any proposed demolition)
		Recen	t photo	graphs of the	place (show all areas that will be affected by the development)
		Copy o	of herita	age agreemen	t (for development under a heritage agreement only)
5.2		-	•	•	on as required primation is attached to support the application.
		Scale	ed draw	rings of propos	sed development including plans, sections and elevations
		Spec	ification	n of works pro	posed
				ports (e.g. arb nt plan)	porist's report, engineer's structural assessment, archaeological
		Herita	age imp	oact statemen	t

File C

6. Consent of owner

Under the *Queensland Heritage Act 1992* an Exemption Certificate application may be made by the owner of a place or with the owner's consent another person who has an interest in the place.

Are y			of the place?	
	YES	\rightarrow	Go to Section 7	
\boxtimes	NO	\rightarrow	Provide the following details	
WHAT IS YO			HE PLACE? (e.g. lessee, trustee) isation	
OWNER'S N Townsville			DR ORGANISATION) 3 Trustee)	<u> </u>
2 Is the	owner a	n orga	anisation or represented by	a legally authorised entity?
	NO	\rightarrow	Go to Section 6.3	. O
\boxtimes	YES	\rightarrow	Provide the following details	
NAME OF P		THORISE	ED TO PROVIDE OWNER'S CONSENT	103

6.3 Signature of owner or authorised person

POSITION OF AUTHORISED PERSON

Coordinator Land Use

As owner of the place, the subject of this application, or the legally authorised representative of the owner, I consent to the making of this application.

OWNER'S OR AUTHORISED PERSON'S SIGNATURE	DATE
CTPI 49-Sch4	21 September 2020
OWNER'S OR AUTHORISED PERSON'S FULL NAME BRONWYN BIGNOUX	

7. Applicant declaration

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my
 knowledge and I make this solemn declaration conscientiously believing the same to be true and by virtue of
 the provisions of the Oaths Act 1867.
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

APPLICANT'S FULL NAME	
Theodore Frederic Brandi	

File C

APPLICANT'S SIGNATURE CTPI 49-Sch4	DATE 21 September 2020
-------------------------------------	------------------------

8. Applicant checklist

Application form completed and signed

Owner's consent given

Supporting information attached (no larger than A3 format)

Send one copy of the completed form and supporting information to:

Email:

PaLM@des.qld.gov.au

OR

Mail:

Permit and Licence Management Department of Environment and Science GPO Box 2454 Brisbane QLD 4001

Further information

- email palm@des.qld.gov.au
- call 13 QGOV (13 74 68) and ask to speak to an officer in heritage development
- visit www.qld.gov.au/environment/land/heritage/





Anzac Memorial Park September 2020

PREPARED FOR: Senior Heritage Officer- Arts and Heritage Department of Environment and Science

PREPARDED BY: Senior Arboricultural Officer- Townsville City Council



01 BRIEF AND ASSESSMENT METHODOLGY

The onsite tree assessment followed a process to quantify tree risks using information and techniques from nationally/internationally recognised tree assessment systems such as Visual Tree Assessment (VTA), with consideration of the subject trees characteristics of health, structural form and potential risks posed by applying a risk matrix that aligns with standard AS/NZS ISO 31000:2009 Risk Management – Principles and Guidelines.

This report has been prepared in accordance with the brief which included: Undertake a tree assessment and provide a report to provide guidance on the viable retention or removal of the subject tree to mitigate the associate risk. Tree assessment consisted of a visual inspection of all parameters relating to the subject tree(s) present and future health, and the influence of previous and future activities which may have impacted the subject tree(s) applying modern Arboricultural principles and practices. Soil characteristics and tree architecture were generally noted and/or analysed employing standard industry tools such as optical laser equipment, measuring tapes, microscopes and auger/coring devices etc. The assessment did not involve a detailed examination of the below ground characteristics or internal tree parts. The assessment was undertaken from the ground to determine tree health, structure, form, and tree classification with measurements taken to establish trunk and canopy dimensions.

The weather was clear, and I had an unobstructed view of the subject tree/s.

02 INTRODUCTION

An on-site tree assessment was conducted on 9th September 2020 to collect the relevant information to assist in the preparation of this report. The purpose of this assessment is to provide quantitative and qualitative information on the subject tree(s) assessed. The appendix at the rear of this report helps explain my findings, supports my analysis, and validates our conclusions.



03 individual tree evaluation

TREE ATTRIBUTES

1
Ficus benghalensis
Banyan Fig
18
d 26 x 25
Multi stemmed
18.96m
12.92m
Fair
Hazardous
OF CL
STICS
FINDINGS CRITERIA
3 *1 deteriorated apical form - *2 average apical form *3 healthy apical form *4

TREE CHARACTERISTICS

TREE CITITOTES	101100	
FIELD	FINDINGS	CRITERIA
Bud architecture	3	*1 deteriorated apical form - *2 average apical form *3 healthy apical form *4 deteriorated internal form - *5 average internal form - *6 healthy internal form
Crown class	1	*1 decurrent - *2 excurrent- *3 suppressed
Live crown ratio	90	*Percentage (%) of living crown/foliage
Age class	3	*1 young - *2 semi-mature - *3 mature - *4 senescent (over mature)
Pruning history	7	*1 crown thinned - *2 lopped - * 3 crown raised - *4 pollarded - *5 crown reduced *6 cabled/braced - *7 multiple pruning events - *8 none - *9 other.

TREE HEALTH

I KEE HEALIH		
FIELD	FINDINGS	CRITERIA
Foliage colour	1	*1 normal - *2 chlorotic
Epicormic growth	20	*Percentage (%) of epicormic growth present
Foliage density	1	*1 normal - *2 sparse - *3 dense
Leaf size	1	*1 normal - *2 small
Secondary stresses	Termites	Pests and other influences resulting from impaired primary growth conditions
Twig dieback	No	*Is twig dieback occurring – yes or no



Wound-v	vood	3	*1 excellent - *2 average - *3 poor - *4 no noted wounding
developn	nent		

TREE CONDITIONS

FIELD	FINDINGS	CRITERIA
Site character	5	*1 residence - *2 commercial - *3 park - *4 woodland -*5 open space - *6 other
Irrigation	1	*1 none present - *2 adequate - *3 in-adequate - *4 excessive
Recent site disturbance	6	*1 construction -*2 soil disturbance - *3 grade change - *4 site clearing - *5 hydrology* 6 none
% dripline paved	5	*1 (0%) - *2 (10 to 25%) - *3 (25 to 50%) - *4 (50 to 75%) - *5 (75 to 100%)
% dripline w/fill soil	2	*1 (0%) - *2 (10 to 25%) - *3 (25 to 50%) - *4 (50 to 75%) - *5 (75 to 100%)
% dripline grade lower	1	1 (0%) - *2 (10 to 25%) - *3 (25 to 50%) - *4 (50 to 75%) - *5 (75 to 100%)
Prevailing wind	South/ west	*Direction of prominent wind(s) on site.
	ished.	
	100	4
	5	
10		
On.		



04 OBSERVATIONS

The central trunk region of tree has extensive hollowing with a compromised central trunk/primary branch unions as illustrated in Figure 1.0 and 1.1. Secondary stress of termites and a previous fire adjacent to the tree and pathogen namely Ganoderma applanatum has caused a slow decline of the subject tree.

The compromised central trunk / primary branch unions were estimated at 2 m from ground level. A large wound has left exposed heartwood and other branch removals have decayed creating hollows to develop.

Based on the deformities associated with the hollowing the supporting timber characteristics observed further demonstrate the compromised structural integrity. Now consider the associated tree biomechanics, which is known as a quantitative assessment of the mechanical forces imposed on trees. It is clearly apparent that the tree canopy/sail area will contribute significantly to these associated forces and the central trunk/primary branch union deformity offers much movement. Therefore, the risk of failure is perceived as high and given the limited opportunities for canopy reduction. Removal is required to mitigate the associate risk.





Figure 1.0 – Compromised centre leader



Figure 1.1 – centre trunk separation from primary branching





Figure 1.2 – Basel flare showing movement with soil









Figure 1.4 – Retention of structurally sound Banyan



05 tree risk rating methodology for urban trees

The following assessment outlines a process to quantify tree risks using information and techniques from nationally/internationally recognised tree assessment systems such as Visual Tree Assessment (VTA), and then applying that information to align with the International standard AS/NZS ISO 31000:2009: Risk Management – Principles and Guidelines.

Definitions:

Hazard – a source or a situation with a potential for harm in terms of human injury or ill-health, damage to property, damage to the environment, or a combination of these. Trees are subject to decline and collapse and can be physically damaged or invaded by harmful organisms.

Risk – the likelihood that a harmful consequence (death, injury or illness) might result when exposed to the hazard. This will include the level of use of the areas surrounding trees, and the proximity of roads, buildings and other structures.

Risk Score Matrix	x Table for Tree I	Risks)				
						C	Conseque	nce			
Likeli	hood	Insig	nificant	Mi	nor	Mod	erate	Maj	jor	Catastrophic	
LIKEII			1	2	2	× :	3	-		5	
Failure Almost C	ertain 5	M	52	M	64	Н	76	Н	88	Н	100
Failure Likely	4	L	44	M	56	M	68	H	- 30	Н	92
Failure Possible	3	L	36	M	48	M	60	Н	72	Н	84
Failure Unlikely	2	O _r	28	L	40	М	52	M	64	Н	76
Failure Rare	1	L	20	L	32	L	44	M	56	M	68
	.10),										
Formula: [(C x 3) + (L x 2)] x 4 / 1	.00 = risk %	6								
High (Red)	High Risk: Risk cannot be justified except for extraordinary circumstances										
Medium (Amber)	Medium Risk: Residual risk tolerable only if further risk reduction is impracticable										
Low (Green)	Low Risk: Risk reduction not likely to be required as resources likely to be grossly disproportionate to the reduction achieved										

RISK RATING SCORE: 88% = Major. The tree risk rating score was recorded as major based on the estimated volume of woody roots loss. The dislodgement and the declining characteristics and occupancy within the fall zone.



06 CONCLUSION AND RECOMMENDATIONS

A total of one (1) tree was assessed for the purposes of this report, the subject tree is established adjacent to a busy road and park with a continual occupancy with the fall zone of the subject tree. The subject tree requires removal, with the retention of section of the tree which has sound structural integrity located in the park (figure 1.4), the retention of part of the tree with ensure the visual landscape amenity of the park.

Given the subjects tree age, significant and establishment location future tree preservation strategies need to be considered. The main reasons for managing over-mature trees are to:

- Keep the individual tree alive for along as possible to enable a new generation to replace the subject tree
- a land • Perpetuate aesthetics values, such as characterises landscape features
- Habitat and/or educational value
- Secure the future of landmark tree
- Fulfil safety requirements.



Thank you for the opportunity to provide advice on this matter and if you have any questions about this report please contact CTPI 49-Sch4

Unless states otherwise:

- o This report cannot be used within a court of law or any legal situation without the prior consent of the author.
- o Information contained in this report covers only the tree(s) that were examined and reflects the condition of the tree(s) at the time of inspection, and
- o There is no warranty or guarantee, expressed or implied, that problems and/or deficiencies of the subject tree may not arise in the future.

Yours Faithfully

CTPI 49-Sch4		

Sebastian Paris (Senior Arboricultural Officer) for Townsville City Council



CERTIFICATION of PERFORMANCE

I Sebastian Paris, certify have formal qualifications that meet and exceed AQF level 5 in Arboriculture:

That I have personally inspected the tree(s) and/or the property referred to in this report and have stated my findings accurately to the best of my ability. The extent of the evaluation and appraisal is stated in the report.

That I have no current or prospective interest in the vegetation or the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.

That the analysis, opinions and conclusions stated herein are my own, and are based on current scientific procedures and facts.

That my compensation is not contingent upon the reporting of a predetermined conclusion that favours the cause of the client or any other party, nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events;

That my analysis, opinions and conclusions were developed, and the report has been prepared according to commonly accepted Arboricultural practices.

I further certify that I am an active member of the 'International Society of Arboriculture' (162861) and 'Arboriculture Australia' (#1649). I am an International Society of Arboriculture Certified Arborist (AU – 0027A) since 2005 and meet the minimum qualification for writing Arboricultural reports under the AQF (Australian Qualification Framework – Level 5). I have been involved in Arboriculture since 2002 and am committed to ongoing professional development through regular attendance at and participation in arboriculture and other related conferences and seminars to retain by International Arborist Certification.



APPENDIX ONE: Tree Age

Infancy/pre sexual maturity (IPSM): Young tree, healthy, growth then enhanced by mycorrhiza

root associates.

Juvenile to early mature (JTEM): Continued to fast growth net cease in annual increment, low

volume of dysfunctional tissue.

Full to late maturity (FTLM): Growth to peak, deadwood formation, maximum pollination

and seed capacity, some nature limb loss, increase of dysfunctional tissue, accelerated fungal colonisation and

activity.

Over-mature/Early ancient stage (EAS): Retrenchment of growth, reduction in net annual increment

contraction of live crown, increased vegetative vitality in lower crown, increased fungal activity and wood decay,

increase colonisation by flora and deadwood.

Veteran stage / Late ancient stage (LAS): Advanced retrenchment decline in crown size, and annual

increment, extensive hollowing, crown collapse, decline in vitality, advance heartwood decay and hollowing, advanced

fauna and flora.

Senescent (S): Terminal decline, tree death, continual in fungal activity,

nutrient recycling.

APPENDIX TWO: Tree Health

Excellent: Exceptional specimen; tree canopy/crown full and balanced; foliage entire with good colour.

Good: Tree canopy/crown full; can be unbalanced; foliage entire with good colour; minimal or no

pathogen damage.

Fair: Tree canopy can be unbalanced; foliage generally with good colour; some discoloration may be

present, minor pathogens damage present with notable damage thresholds present; typical of

species in location.

Fair-Poor Below than average vigour; exhibits declining symptoms which is perceived as more than typical;

pest and disease extreme exceeds damage threshold

Poor: Minimal vigour with 20% dieback equal or greater, considerable foliage deficiencies such as

discoloured or distorted leaves or stress symptom that could lead to decline; pest and disease

extreme and contributing to tree decline



Very poor: Irreversible decline; 50% dieback equal or greater; exhibiting severe foliage deficiencies; extensive

pest and disease infestation/colonisation

Dead: Tree is dead/dysfunctional, with no leaves and/or dead leaves

APPENDIX THREE: Tree Structure

Excellent: No damage or notable decay to root plate, trunk or primary branches; visual basal flare with

massive buttressing and substantial trunk taper; primary and secondary branches display good progressive taper with open branch unions; no branch over extension; exceptional specimen.

Good: Minor damage or decay to root plate, trunk, or primary branches; typical formed branch unions;

minor end-weight; with threshold. Standard tree - no notable major defects to suggest that there is

an increased likelihood of tree failure.

Fair: Moderate damage or decay to the root plate, trunk or primary branches; bark missing and cavities

could be present; minimal basal flare; acute branch unions; past branch failures; moderate branch

end-weight; approaching threshold.

Poor: Major damage or decay to the root plate, trunk or primary branches; fungal fruiting bodies present

and correctly identified; hollowing compromising the structural integrity; unstable in ground;

excessive branch end-weight; severe included bark unions; exceeding threshold.

Hazardous: Tree poses immediate hazard potential; failure of root plate; trunk, primary branches; active split

between trunk/primary branch unions; severe damage to the primary tree structure.



APPENDIX FOUR: Individual Tree Risk Rating Methodology for Urban Trees

The following assessment outlines a process to quantify tree risks using information and techniques from nationally/internationally recognised tree assessment systems such as Visual Tree Assessment (VTA), and then applying that information to align with Risk Management Policy and the International standard AS/NZS ISO 31000:2009 Risk Management – Principles and Guidelines.

Definitions:

Hazard – a source or a situation with a potential for harm in terms of human injury or ill-health, damage to property, damage to the environment, or a combination of these. Trees are subject to decline and collapse and can be physically damaged or invaded by harmful organisms.

Risk – the likelihood that a harmful consequence (death, injury or illness) might result when exposed to the hazard. This will include the level of use of the areas surrounding trees, and the proximity of roads, buildings and other structures.

Risk Score Matrix T	Γable for '	Tree Ri	isks			X						
						C	C	onseque	nce			
r el 1el	1		Insign	ificant	Mi	nor	Mod	erate	Мај	or	Catasti	ophic
Likeliho	ood			1		2	:	3	4		5	
Failure Almost Cert	tain	5	M	52	M	64	Н	76	Н	88	Н	100
Failure Likely		4	O _P	44	М	56	M	68	Н	80	Н	92
Failure Possible		3	L	36	M	48	М	60	Н	72	Н	84
Failure Unlikely	0	2	L	28	L	40	М	52	М	64	Н	76
Failure Rare	Failure Rare 1		L	20	L	32	L	44	М	56	М	68
X												
Formula : [(C x 3) +	+ (L x 2)]	x 4 / 10	00 = risk %)								
High (Red)	High Risk: Risk cannot be justified except for extraordinary circumstances											
Medium (Amber)	Medium Risk: Residual risk tolerable only if further risk reduction is impracticable											
	Low Risk: Risk reduction not likely to be required as resources likely to be grossly disproportionate to the reduction achieved											



Assessment Criteria Likelihood:

Like	elihood	Example description
5	Failure almost certain	The event is expected to occur in most circumstances once a year or more frequently. The subject tree has considerable structural damage, unsupported active split trunk(s), unsupported splintered /hanging branches, and dead branches/trunks and therefore failure is almost certain to occur in most circumstances
4	Failure likely	The event will probably occur in most circumstances once every three (3) years. The subject tree indicates signs of disproportionate lateral branch weight, decay threshold has been compromised, root damage, supporting heavily embedded included bark, supporting fractured branches, major declining branches/trunks and therefore failure is likely to occur in most circumstances
3	Failure possible	The event might occur at some time once every ten (10) years. Mature to aged tree specimen in declining condition, structure concerns, decay apparent, history of branch shedding, and therefore failure may possibly occur at some time
2	Failure unlikely	The event could occur at some time once every thirty (30) years. The subject tree appears healthy and has a potential to develop only minor deadwood and therefore failure is unlikely to occur except in exceptional circumstances
1	Failure rare	The event may occur in exceptional circumstances once every hundred (100) years. The subject tree appears healthy, has no apparent signs of disease or damage, or is not of a size or condition to pose a threat, and therefore failure would occur rarely and only in exceptional circumstances

Note: These guidelines are intended to aid the process of judging the potential likelihood of a risk; they are not intended to be comprehensive or exact. In many cases the assessment of risk may require aggregating of various likelihoods Consequence:

Cons	sequence	Example description
5	Catastrophic	Death or significant financial/property loss
4	Major	Extensive injuries or major financial/property loss
3	Moderate	Medical treatment required or moderate financial/property loss
2	Minor	First Aid treatment or minor financial/property loss
1	Insignificant	No injuries or insignificant financial/property loss



Risk levels and Priority:

Risk levels	Recommended time-frame for remedial action
High (84 – 100)	Immediate remedial works required
High (72 – 80)	Urgent remedial works required within 10 working days
Medium (48 – 68)	Remedial works required within 60 days
Low (20 - 44)	Remedial works only required if/when identified as a part of routine pro-active maintenance program

It should be recognised that the professional assessment is merely a snapshot of the subject trees condition and estimated risk at a given point of time and that environmental conditions may alter the condition of the assessed tree(s) within a relatively short timeframe. The assessment should provide the foundation for an ongoing monitoring and/or tree management program.

Land/tree management concepts should be considered to mitigate risk such as remedial canopy works, understorey planting, fencing and frequent inspection etc., prior to granting tree removal.



APPENDIX FIVE: Glossary of Terms

Abiotic disorders: Plant problems caused by non-living agents.

Adventitious buds: Bud that arises from a place other than a leaf axil.

Anatomy: Study of the structure and composition (of plants).

Bark: Protective covering over branches and stems that arise from the cork cambium.

Branch collar: Trunk tissue that forms around the base of a branch between the main stem and the branch.

Branch union: Point where a branch originates from the trunk or another branch; crotch.

Buttress roots: Roots at the base of the trunk; root flare.

Callus: In general, a hardened and thicken region of a wounded tissue, a mass of cells developed as a protective covering, capable, under suitable conditions, of active division to form new structures.

Cambium: The meristematic tissue that gives rise to phloem and xylem.

Cavity: An open wound or hollow within a tree, usually associated with decay.

Central leader: The main stem/primary trunk of a tree, particularly an excurrent specimen.

Co-dominant branch/leader: Forked branch of nearly the same size in diameter and lacking a normal branch union.

Compaction: Compaction is the compression of soil and this decreases the total soil pore spaces.

Compartmentalisation: Physiological process that creates the chemical and physical boundaries that act to limit the spread of disease and decay organisms.

Crown: The above ground portion of a tree.

Decay: Decomposition of woody tissue by fungi or bacteria.

Decurrent: Referring to crowns that are made up of a system of Co-dominant scaffold branches; lacking a central leader. Contrast with excurrent.

Desiccation: Total drying out.

Drip line: Perimeter of the area under a tree delineated by the crown.

Epicormic shoots: Shoots that arise from latent or adventitious buds that occur on stems, branches and trunk of the tree.

Excurrent: Crown form in which a strong central leader is present to the top of the tree.

Foliage: The leaves of a plant; dynamic mass.

Fruiting bodies: The reproductive structure of fungi, the presence of which may indicate decay in trees.



Gall: Swelling of plant tissues; frequently caused insects, nematodes, fungi, or bacteria.

Geotropism: Plant growth produced as a response to the forces of gravity; it can be positive as in roots, or negative as in the trunk.

Gummosis: Exudation of sap or gum, often in response to disease or insect damage.

Hazard potential: Degree of risk posed by a tree.

Heartwood: Inner, non-functional xylem tissue that provides structural resistance to the trunk.

Included bark: Bark that becomes embedded in a crotch between branch and trunk or between Co-dominant leaders and causes a weak structure.

Lateral: Secondary or subordinate branch.

Lateral bud: Vegetative bud on the side of a stem.

Lopped/topped: Tree lopping/topping is the practice of removing whole tops of trees or large branches and/or trunks from the tops of trees, leaving stubs or lateral branches that are too small to assume the role of a terminal leader. This type of pruning is not in accordance with AS4373-2007: Pruning of Amenity Trees, which results in epicormic growth and increases the risk of tree branch failure.

Morphology: Study of the form and structure of living organisms; in this case, of plants.

Mortality spiral: Sequence of events causes causing decline, and eventual death, of a tree.

Necrosis: Localised death of tissue in a living organism.

Photosynthesis: The process in green plants (and in some bacteria) by which light energy is used to form organic compounds from water and carbon dioxide.

Phototropism: Influence of light on the direction of plant growth.

Reaction wood: Wood formed in leaning trees or twisted stems, or on lower or upper sides of branches.

Reaction zone: A natural boundary formed by the tree to separate wood infected by disease organisms from healthy wood; important in the process of compartmentalisation.

Sapwood: Outer wood that actively transports water and minerals.

Scaffolding branches: The permanent or structural branches of a tree.

Soil compaction: Compression of soil resulting in a reduction of the total pore space, especially the macropores.

Taper: The change in diameter over the length of trunks and branches.

Target: Person, object, or structure that could be injured or damaged in the event of tree or branch failure.

Vigour: Overall health; a plants ability to deal effectively with stress.



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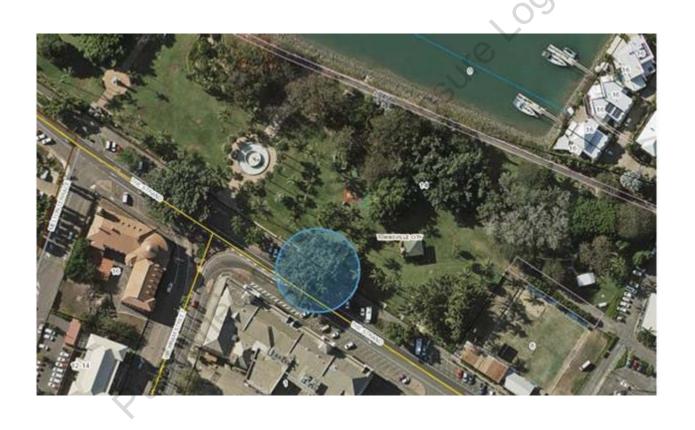
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Published on Prince Los







File C



#72005 Exemption Certificate application - Anzac Memorial Park, Townsville - QHR 600934

Submitted Received via Requester

September 21, 2020, 3:41 PM Ted Brandi <ted.brandi@townsville.qld.gov.au>

Status Type Priority Group **Assignee**

Task PaL AO3 Validate Open Due date Normal

Application Type Source **Business Area Action Type Exemption Certificate Email** Heritage Application

Ted Brandi Sep 21, 3:41 PM

Hello,

Please find attached a completed Exemption Certificate application, arborist's report and other supporting documentation, for proposed works at the above-referenced location.

Please let me know if additional information is required.

Many thanks,

Ted Brandi

Heritage Officer - Land Use & Urban Design Planning & Community Engagement

P 07 4727 9455

TPI 49-Sch4

E ted.brandi@townsville.qld.gov.au

143 Walker Street, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

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Department of Environment and Science (DES)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
www.des.qld.gov.au

SEARCH RESPONSE

ENVIRONMENTAL MANAGEMENT REGISTER (EMR) CONTAMINATED LAND REGISTER (CLR)

Transaction ID: 50628824 EMR Site Id: 22 September 2020

This response relates to a search request received for the site:

Lot: 290 Plan: CP859212

EMR RESULT

The above site is NOT included on the Environmental Management Register.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

All search responses include particulars of land listed in the EMR/CLR when the search was generated. The EMR/CLR does NOT include:-

- 1. land which is contaminated land (or a complete list of contamination) if DES has not been notified
- 2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DES has not been notified

If you have any queries in relation to this search please phone 13QGOV (13 74 68)

Administering Authority

CURRENT RESERVE SEARCH

NATURAL RESOURCES, MINES AND ENERGY, QUEENSLAND

Request No: 35015502

Search Date: 22/09/2020 13:07 Title Reference: 49014601

Date GAZETTED: 22/06/1912

PAGE: 1582

Opening Ref: RES 195 Purpose: PARK

Sub-Purpose:

Local Name: ANZAC MEMORIAL PARK
Address: THE STRAND, TOWNSVILLE

County (R) No: R272 File Ref: RES 195

TRUSTEES

TOWNSVILLE CITY COUNCIL GAZETTED ON 31/07/1926 PAGE 284

LAND DESCRIPTION

LOT 290 CROWN PLAN 859212 GAZETTED ON 15/04/1994 PAGE 1437,8

Local Government: TOWNSVILLE

Area: 3.282000 Ha. (SURVEYED)

EASEMENTS AND ENCUMBRANCES

1. EASEMENT IN GROSS No 713245298 20/05/2010 at 15:06 burdening the land ERGON ENERGY CORPORATION LIMITED A.C.N. 087 646 062 over EASEMENTS B AND C ON SP185597

ADMINISTRATIVE ADVICES

Dealing Type Lodgement Date Status 717802634 HERITGE SITE 27/01/2017 13:23 CURRENT

QUEENSLAND HERITAGE ACT 1992

UNREGISTERED DEALINGS - NIL

Caution - Charges do not necessarily appear in order of priority

** End of Current Reserve Search **

COPYRIGHT THE STATE OF QUEENSLAND (NATURAL RESOURCES, MINES AND ENERGY) [2020] Requested By: SMIS .

Queensland Heritage Act 1992

Section 74 Exemption Certificate

Application no:	202009-10721 EC
Date application received:	21 September 2020
Date of decision:	1 October 2020
Applicant:	Townsville City Council Ted Brandi ted.brandi@townsville.qld.gov.au
QHR place ID:	600934
QHR place name:	Anzac Memorial Park and adjacent Banyan trees
Location:	The Strand, TOWNSVILLE, 4810
Approval summary:	Building work: Remove section of diseased Banyan tree (Ficus benghalensis)

The application for an exemption certificate to carry out the development described above, is approved with conditions under section 74 of the *Queensland Heritage Act 1992*.

This exemption certificate attaches to the premises. Any person, including the owners, owners' successors in title and occupiers of the premises, may carry out development permitted by this exemption certificate and is bound by the conditions.

This exemption certificate only applies to development substantially started within 4 years of this decision.

If more information is required, contact the project manager, Charles Rowe, Senior Heritage Officer, on (07) 3330 5026 or via email charles.rowe@des.qld.gov.au.

CTPI 49-Sch4

Anthony Simmons **Cultural Heritage Coordinator**Heritage, Arts and Heritage

Department of Environment and Science

Delegate for the Chief Executive

administering the *Queensland Heritage Act 1992*



Conditions of approval:		
No.	Condition	Condition timing
1.	Scope of development approved Carry out the development as described in the application received on 21 September 2020 from the applicant Ted Brandi - Townsville City Council. In the case of a discrepancy between application documents and conditions, conditions take precedence. (Reason - To ensure development is carried out as approved)	At all times.
2.	Keep a copy of the approval on site A copy of this exemption certificate and a copy of any documents that describe the approved development must be retained at the State heritage place. (Reason – To facilitate the monitoring of development for compliance purposes)	For the duration of the development.
3.	Notify start of development Provide written notice of the start of development to Environmental Services and Regulation, Department of Environment and Science at palm@des.qld.gov.au . The notice must state: name of State heritage place, exemption certificate number and condition number 3. (Reason – To facilitate the monitoring of development for compliance purposes)	No later than 2 business days prior to the commencement of the development.
4.	Photograph effect of development Submit photographs of the area where the development is undertaken, both before and after the development is completed to Environmental Services and Regulation, Department of Environment and Science at palmoodes.qld.gov.au . The submission must state: name of State heritage place, exemption certificate number and condition number 4. (Reason – To facilitate the monitoring of development for compliance purposes and to ensure change is adequately recorded)	Within 10 business days of completion of the development.
5.	Permit access to the State heritage place Permit access to the State heritage place by Department of Environment and Science officers if requested. (Reason – To facilitate the monitoring of development for compliance purposes)	For the duration of the development.
6.	Protect the place from damage Protect the existing features of the place from incidental damage. (Reason - To ensure the cultural heritage values of the place are appropriately recognised and managed)	For the duration of the development.
7.	Report any damage to the place that occurs During development, should damage occur to any features of the place report such incidents immediately to Environmental Services and Regulation, Department of Environment and Science at palm@des.qld.gov.au . (Reason - To ensure the cultural heritage values of the place are appropriately recognised and managed)	Immediately, should damage occur.
8.	Replace removed section of Banyan tree with new planting Establish a Banyan tree (Ficus benghalensis) within the area of the road reserve where the section of the tree is removed. (Reason – To ensure the intent and visual effect of the original Banyan tree plantings are maintained)	Within 2 years of the commencement of the development.

Take Notice: This certificate does not exempt the applicant from the need to obtain such other approvals as may be required under other legislation.



#77071 FW: 202009-10721 EC Notice of approval - Anzac Memorial Park. Townsville QHR600934

Submitted Received via

November 20, 2020 at 10:29 AM Mail

Requester

Heritage Assessment <stateheritagedevelop@des.qld.gov.au>

Status Type Priority Group **Assignee** Closed Task **Due date** Normal CSI AO4 Veronica L

Source **Business Area Action Type Email** Referred On Heritage

Ted Brandi November 20, 2020 at 10:29 AM

Hello.

I write in accordance with Condition 3 in the attached Exemption Certificate, to advise that works will commence tomorrow, 21 November 2020.

Please let me know if additional information is required

Many thanks,

Ted Brandi

Heritage Officer - Land Use & Urban Design Planning & Community Engagement

P 07 4727 9455 E ted.brandi@townsville.gld.gov.au

143 Walker Street, Townsville QLD 4810 PO Box 1268, Townsville QLD 4810

townsville.qld.gov.au

From: ROWE Charles < Charles. Rowe@des.gld.gov.au>

Sent: Thursday, 1 October 2020 5:19 PM

To: Ted Brandi < Ted.Brandi@townsville.qld.gov.au>

Subject: 202009-10721 EC Notice of approval - with conditions QHR600934

Good afternoon Ted,

Your application for an exemption certificate has been approved, with conditions – for the removal of a section of one of the Banyan trees at Anzac Memorial Park.

Please find attached your certificate.

To manage public expectations I understand we have discussed some signage being included on site to alert the public as to the need for the works and the future replacement of the section. I would expect this would form part of the intent in the application to manage the public consultation so it has not been required as a condition of the approval.

Let me know if you have any further questions.

Thank-you,



Charles Rowe

Senior Heritage Officer

Arts and Heritage

Department of Environment and Science

E: Charles.rowe@des.qld.gov.au P: 07 3330 5026 Level 27, 400 George Street, Brisbane QLD 4000 GPO Box 2454, Brisbane QLD 4001

Arts and Heritage acknowledges the Traditional Owners and Custodians of the lands, waters and seas on which we work and live paying respects to Elders, past, present and future.

Please note: In keeping with the Government's requirements, Heritage branch staff are operating remotely. For us, it is business as usual. However, to best channel your enquiry, we can be contacted by email through the contacts below. If you would like us to give you a call, please indicate this in your email. We ask for your patience as we work through these arrangements.

- For enquiries about the Queensland Heritage Register: heritage@des.qld.gov.au
- To contact the Queensland Heritage Council: heritage.council@des.qld.gov.au
- To report damage to Queensland Heritage Register places: pollutionhotline@des.qld.gov.au
- For enquiries about getting approval to do development at a Queensland heritage place: palm@des.qld.gov.au
- For enquires about terrestrial archaeology and underwater cultural heritage like historic shipwrecks: archaeology@des.qld.gov.au

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Veronica L November 20, 2020 at 3:06 PM

Good afternoon

ted.brandi@townsville.qld.gov.au

Please refer to the email below and the attachments for your information.

Regards

Veronica L

Permit and Licence Management

Regulatory Support

Department of Environment and Science www.des.qld.gov.au

P 1300 130 372 (select option 4)

F: (07) 3330 5875

E: palm@des.gld.gov.au

400 George Street Brisbane 4000 GPO Box 2454 BRISBANE QLD 4001

https://aldenvironment.zendesk.com/tickets/77071/print

Support Software by Zondock

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