

136750 Redacted
Tree Asset Owner Approval – Application Form



Application Details – The following is to be completed for the assessment of the application

Site Details:	
Street address:	1-11-21 Adams Avenue
Park name and address:	Beachside Holiday Park
GPS coordinates:	Lat: 37.63282° S Lon: 176.17491° E
This Application Is For:	
<input checked="" type="checkbox"/>	Transplanting x 2 nikau trees – no TCC asset ID
<input checked="" type="checkbox"/>	Working within dripline of pohutukawa tree – no TCC asset ID
<input type="checkbox"/>	
<input type="checkbox"/>	
Scope of Works:	
Justification: describe why the tree works are necessary.	There has been a slip, and remediation requires regrading of the bank. This will expose the roots of the nikau, so they are best removed and planted elsewhere. It will also require working within the dripline of mature pohutukawa tree
Are you providing any plans, reports or photos?	Yes
Please list names of attachments if applicable.	<ol style="list-style-type: none"> 1. Email trail and discussion on best option and approach for this site 2. Tree Protection Report by Full Circle arborist
What impact will the works have on public, park users, neighbours?	Remediating the slip will mean the area can be accessed safely by TCC staff and holiday park users

Tauranga City Council

91 Willow Street, Private Bag 12022, Tauranga 3143, New Zealand

Phone 07 577 7000 Fax 07 577 7193 Email info@tauranga.govt.nz www.tauranga.govt.nz

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Tauranga City

Describe mitigation methods, e.g. replanting.	<p>The nikau trees will be replanted at a more suitable location within Beachside Holiday Park.</p> <p>Work under the dripline of the pohutukawa tree will take place as per attached tree protection methodology.</p>	
Describe tree protection measures (if applicable, e.g. for works around trees).	See attached report and assessment	
Alternative Options:		
What alternative options have been explored?	Installing a retaining wall	
Why were the alternatives dismissed?	This would affect the underlying archaeology, encroach on the campsite area, would disturb the nikau during construction and be subject to building consent.	
Resource consent details if applicable:		
Resource consent No.	n/a	
Other Details:	n/a	
Applicant details		
Name:	s 7(2)(f)(ii) [redacted] acting on behalf of the S&P Mount Beachside Holiday Park Team	
Postal Address:	s 7(2)(f)(ii) [redacted]	
Contact:	Mobile:	s 7(2)(f)(ii) [redacted]
	Daytime Phone:	07 577 7000
Email:	s 7(2)(f)(ii) [redacted]	
Applicant Signature		Date

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Tree Asset Owner Approval – Application Form



Please submit completed application form along with relevant attachments in a Word Document via email

Please note that asset owner approval does not allow you to proceed until you have all relevant consent approvals required for your project.

Official Use Only

Asset owner approval is granted subject to the following conditions:

Approved By:

Date: ...

Name:

Signature:

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s 7(2)(f)(ii)

From: s 6(c) - Maintenance of Law
Sent: Thursday, 12 October 2023 8:24 am
To: s 7(2)(f)(ii)
Cc:
Subject: RE: Beachside progress..

Hi s 7(2)(f)(ii)

Yes I'm happy with this option rather than pursuing a retaining wall. Thank you.

Kind regards

s 6(c) - Maintenance of Law

www.mountbeachside.co.nz | www.tauranga.govt.nz



From: s 7(2)(f)(ii)
Sent: Thursday, 12 October 2023 8:21 AM
To: s 7(2)(f)(ii) s 6(c) - Maintenance of Law
Cc: s 7(2)(f)(ii)
Subject: FW: Beachside progress..

Hi s 7(2)(f)(ii) and s 6(c) - Maintenance of Law

I'm happy to move forward on this if you agree this is the best option for BeachsideHP, rather than pursuing a retaining wall.

s 6(c) - Maintenance of Law had said even a retaining wall would affect the nikau if a wall was placed in front of it...

Please confirm this is the approach you would like me to take

Ngā mihi / Kind regards

s 7(2)(f)(ii)

Tauranga City Council | 07 577 7000 | s 7(2)(f)(ii)

www.tauranga.govt.nz

From: s 7(2)(f)(ii)

Sent: Thursday, 12 October 2023 7:42 am

To: s 7(2)(f)(ii)

s 6(c) - Maintenance of Law

s 7(2)(f)(ii)

s 7(2)(f)(ii)

Cc: s 7(2)(f)(ii)

Subject: RE: Beachside progress..

Morena s 7(2)(f)(ii)

As these trees fall under our vegetation and tree policy we should really follow the right process. If the project needs to work under the dripline of the Pohutukawa and you are looking to relocate the Nikaus you will need to provide an arboricultural report with protection methodology. I would suggest s 7(2)(a) - Privacy from Full Circle. He will be able to provide the report and costings for potential palm relocation and maintenance.

Please fill in the application form attached alongside the arb report and return to me, thank you

Cheers

s 7(2)(f)(ii)

From: s 7(2)(f)(ii)

Sent: Wednesday, 11 October 2023 4:39 PM

To: s 7(2)(f)(ii)

s 6(c) - Maintenance of Law

s 7(2)(f)(ii)

s 7(2)(f)(ii)

Cc: s 7(2)(f)(ii)

Subject: RE: Beachside progress..

Hi all

Following conversation with s 7(2)(f)(ii) and s 7(2)(f)(ii) – s 7(2)(f)(ii) will look into obtaining a contractor to move the nikau, and will liaise with s 7(2)(f)(ii) / s 7(2)(f)(ii) regarding location.

Once we have details and proposed methodology – I'll liaise with s 7(2)(f)(ii) and s 7(2)(f)(ii) and check we can do this under existing archaeological authority

Ngā mihi / Kind regards

s 7(2)(f)(ii)

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s 7(2)(f)(ii)

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From: s 7(2)(f)(ii)

Sent: Wednesday, 11 October 2023 9:29 am

To: s 6(c) - Maintenance of Law

s 7(2)(f)(ii)

s 6(c) - Maintenance of Law

s 7(2)(f)(ii)

<s 7(2)(f)(ii)>

Cc: s 7(2)(f)(ii)

Subject: RE: Beachside progress.

Morning all

s 7(2)(e) - Privacy

popped up there yesterday to review rough extend of the works. The slip does encompass the two nikau, so they would be affected if the slope was to be regraded. The extent of excavation also goes under the dripline of the large pohutukawa.

Is it too late in the season to look at replanting the nikau?

@ s 7(2)(f)(ii) – who usually maintains your trees? They are not showing on TCC GIS system , so I am assuming you engage arborists as required?

Can these works take place in the proximity of the large pohutukawa as shown below. Would an arborist stand over suffice?

The alternative to trimming back the slope is to build a retaining wall. This will require consenting, encroach on the campsite, cost more, take longer and likely to require a new archaeological authority.

It will also have a different aesthetic look and feel to the site .

@ s 7(2)(f)(ii) – can you discuss with your team and let me know how you would like me to ask s 7(2)(e) - Privacy to proceed.



Ngā mihi / Kind regards

s 7(2)(f)(ii)



From: s 7(2)(f)(ii)
Sent: Tuesday, October 10, 2023 3:08 PM
To: s 6(c) - Maintenance of Law ; s 7(2)(f)(ii)
Cc: s 7(2)(f)(ii) ; s 6(c) - Maintenance of Law
Subject: FW: Beachside progress..

Hi [redacted] and [redacted] s 7(2)(f)(ii)

Please review draft report below. Are you able to discuss and get back to me on Friday as to your feedback?

Also copying in [REDACTED] – as I know he has an interest with the site being so close to Mauao.

Also – would you like me to pass it by Ngai Tukairangi for their feedback (any other hapū/iwi) and possibly [REDACTED] or [REDACTED] too ?

Ngā mihi / Kind regards

[REDACTED]

[REDACTED]

Tauranga City Council [REDACTED]

www.tauranga.govt.nz

From: [REDACTED] - Privacy

Sent: Tuesday, 10 October 2023 2:27 pm

To: [REDACTED]

Subject: RE: Beachside progress..

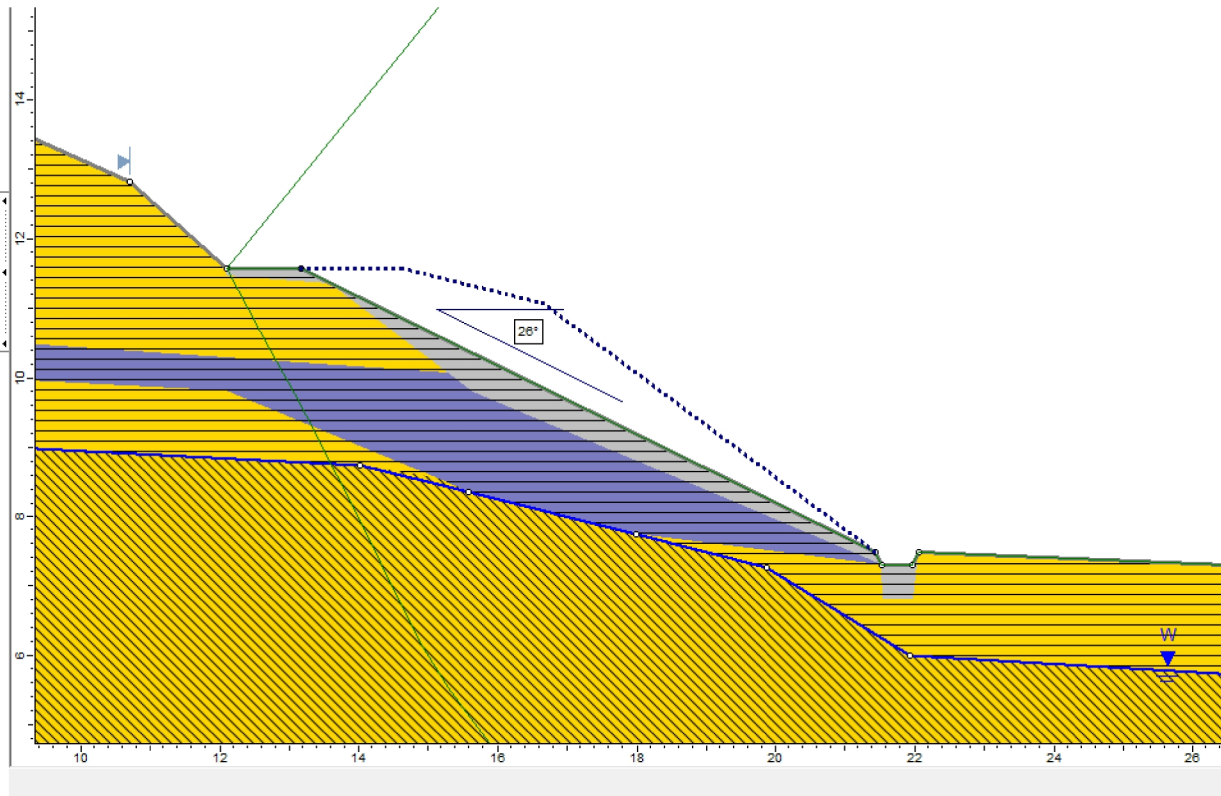
CAUTION: External Email.

Hi [REDACTED],

A summary to date, including findings and recommendations as follows. You are welcome to discuss these within your wider team and let us know if there are any questions or thoughts before we finalise our report.

- Our investigation identified a wedge of fill, placed along the outside of the track and possibly to widen the track historically.
- The fill is of variable quality, was wet and has been formed quite steep.
- Our investigation suggests the fill has slumped because of the above, with the recent and heavy rainfall being the main contributor to driving the instability.
- Numerical modelling and analyses suggest they can remove the skip, but they should keep as close to the inside of the track as possible with their truck so they aren't driving directly over the land that has slumped. This should only be done following a period of fine weather and not if there has been recent poor weather.
- Long-term, to allow a habitable structure below the slope, the fill should be regraded to not be steeper than 1:2 (vertical to horizontal) or 26 degrees. See screenshot below, cutting from the dotted profile to the profile shown. By achieving this new profile, the requisite factors for prevailing, elevated groundwater and seismic scenarios are achieved.
- The newly formed cut would need to be topsoiled and/or hydroseeded, and a cutoff drain installed above to help shed water away from the slope.
- This would mean decommissioning of the track, though it would appear the track is only used for access to the skip anyway.

- The cut is also expected to only intercept the fill and not the underlying native ground. However, we don't know if the fill itself is sourced from the Mount (or elsewhere) so cultural standover may be required in any instance.
- Other options could include retaining walls (timber post, or concrete block) however these would take up room within the campsite below and would require building consent. Happy to explore these options, however we feel removing the fill is the ideal solution.



Kind regards,

s 7(2)(a) - Privacy

ENGEO
NEW ZEALAND / AUSTRALIA / UNITED STATES

s 7(2)(a) - Privacy

Geotechnical Engineer, CPEng, TCC Cat 1
022 164 7779
1/314 Maunganui Road, Mt Maunganui 3116
<http://www.engeo.co.nz>



FULL CIRCLE
TREE & LAND SPECIALISTS

Phone: s 7(2)(a) - Privacy
Email: s 7(2)(a) - Privacy

Tree Protection Plan
Excavation at Beachside Holiday Park,
Mount Maunganui, Tauranga
31st October 2023



Inspection and plan by: s 7(2)(a) - Privacy

Prepared for: s 7(2)(f)(ii) Tauranga
City Council

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1. Introduction

1.1 Scope

I have been asked by s 7(2)(f)(ii) for Tauranga City Council, construct a Tree Protection Plan, outlining the tree protection measures required to ensure the protection of the trees during the excavation of a bank at the Beachside Holiday Park in Mount Maunganui. And to assess the health and stability of the trees prior to the excavation.

1.2 Tree protection status

The Tauranga City plan does not afford the tree any specific protection, however the tree is protected and managed in accordance with the Tauranga City Council Tree Policy. The tree is also held to significant cultural value by the Iwi and Hapu; a karakia should be said prior to any work commencing.

1.3 Achievability

It is possible for the bank to be excavated while maintaining the health of the trees. This is providing the measures for tree protection provided in this Tree Protection Plan are adhered to. From previous experiences of excavating/root pruning Pohutukawa trees, I have found that the species is tolerant of moderate root disturbance/loss.

1.4 Requirements

This Tree Protection Plan must be communicated with the entire excavation/construction team(s), including subcontractors, prior to commence.

All works within the Tree Protection Zone (TPZ) should be overseen by the approved monitoring arborist.



2. Observations

2.1 Site description

The multi-stemmed Pohutukawa (*Metrosideros excelsa*) is situated on a bank, angled approximately 60°. The bank sits in between a row of grass covered accommodation blocks below (E) and a gravel maintenance track above (W). The whole of the tree's Eastern canopy stretches out over a cabin and there are several small understory trees either side of the tree on the bank; mainly Kawakawa, Karaka and Mahoe.

2.2 Current tree measurements and health

2.2.1 Measurements

Height: 25.4m

Canopy spread: N-S 25m E-W 25.5m

DBH: 4.5m¹

2.2.2 Health

The trees appear to be in good health, with no obvious defects or signs of decline. There is very minor root damage which does not appear to be affecting the health of the tree. The foliage is of normal size, growth and colour, and the branch structures have good form. There is approximately 5% dieback in the canopy, although major deadwood is also found within the canopy, as natural exterior growth progresses to overshadow the inner branches. This major deadwood should be removed prior to excavation work commencing.

2.3 Proposed excavation

The proposed excavation is approximately 7.2m South from the closet stem of the Pohutukawa, which is approximately 6m within the tree dripline. The excavation is also approximately 1m from a medium sized Karaka which sits beneath the Pohutukawa canopy. This Karaka is likely to be affected by the excavation. I anticipate the excavation encroaching on 10-15% of the Pohutukawa TPZ.

¹ DBH – overall diameter of multi-stemmed tree calculated by summing the squared DBH of the nine individual stems.



3. Tree protection measures

3.1 Pre-establishment

Prior to any site works, including the establishment of machinery or materials, the contractor is required to meet with the consulting arborist on site to review all work procedures, access routes, storage areas, and tree protection measures.

3.2 Onsite works around trees

The monitoring arborist must directly supervise all works within the Tree Protection Zone (TPZ) of the tree. The TPZ will be defined on site by the monitoring arborist only, prior to any works commencing.

3.3 Tree protection fencing

Tree protection fencing shall be put in place marking the TPZ prior to commencement. The TPZ shall be 1m outside the extremities of the tree's drip-line¹ unless otherwise approved by the monitoring arborist. Please see the Tree Protection Plan Map found in Appendix 6.2 of this report for clarification.

Fencing shall consist of a 1.8m high immovable barrier preferably sectional mesh and/or a previously Tauranga City Council approved 1.8m high fencing system.

The position of the protection fencing will be adjusted and approved by the monitoring arborist prior to commencement of any construction works.

Protection fencing shall remain in place until project completion and not be moved or adjusted without the permission of the monitoring arborist or Tauranga City Council arborist.

The fencing should be sign posted, prohibiting the entry and movement of the fence without authority from the monitoring arborist.

No machinery or other equipment shall enter the TPZ unless approved by TCC arborist and only under the direct supervision of the monitoring arborist.

¹ Dripline - Where a line is taken from the outermost tree branches vertically down to the ground and includes the entire area within this zone.

3.4 Requirements for hand excavation

Careful excavation within the TPZ of trees can be done with the use of machinery, but only with the monitoring arborist preset and great care is taken to not pull or scrape any roots.

Where excavation is required within the TPZ it is to be carefully machine dug, with the assigned arborist monitoring at all times. The aim is to retain as much of the root system, undamaged, as possible.



All roots of 40 mm or greater in diameter should be carefully worked around so as to retain them in an undamaged condition unless pruning has been approved by the City Arborist. Clumps of fine hair roots should also be retained. Any roots found greater than 40 mm in diameter, must be hand dug. If these roots must be pruned, they should only be cut by the monitoring arborist, using sharp pruning tools and following current best pruning practices. Roots found greater than 100mm in diameter require consultation with the TCC Urban Forest Team.

Once the hand dug trench is opened, the roots become vulnerable to desiccation, damage by ultraviolet light and changes in temperature, particularly in winter and summer. To prevent damage the roots shall be covered, as soon as possible, by moist hessian or similar, until the trench is backfilled. Remove the cover before backfilling. The trench should be backfilled as soon as possible with using the approved backfill medium.

3.5 Compacting backfill

If backfilling is required, care should be taken to ensure that the roots are not damaged during the backfilling process. If compacting plates or rollers are used the roots must be protected by a layer of sand, woodchip or similar compaction resistant material.

3.6 Potential above ground damage

It is possible that damage may occur to the trees by machinery passing under the canopy or by stockpiling materials for example, paving slabs and fill against the trees. Machinery access routes and site storage areas will be designated and approved prior to commencement and no materials shall be stored within the TPZs.

Where practical minor pruning should be done before working near the trees to prevent damage occurring, however some root pruning may need to occur during construction. Any pruning of small branches and roots shall be approved and undertaken by the monitoring arborist.

Vehicles and/or other machinery shall not be parked within any TPZ.

Materials, excavated fill and equipment shall NOT be stored within any TPZ, even as a temporary measure.

Vehicles and machinery shall not be washed within the vicinity of the trees. The alkaline content in concrete can easily leach into the soil and be taken up by tree roots, damaging the trees.

Under no circumstances should fuel or chemicals be stored in a situation which would allow a spillage to make contact with any tree roots.

3.7 Use of trees during construction

No cables, signage or other services will be attached to any tree.



3.8 Herbicide

No use of herbicide is permitted unless herbicide and application method is approved by the monitoring arborist and compliant with Tauranga City Council's Use of Toxic Agrichemicals for Vegetation Management Policy.

3.9 Tree damage

If injury should occur to any tree during excavation, it shall be evaluated as soon as possible by the monitoring arborist so that appropriate treatments can be applied.

3.10 Ground level changes

Ground level changes within the TPZ can adversely affect the moisture and oxygen levels available to trees. Due to the large area of soil being removed within the TPZ, the health of the tree should be assessed 6 months after the excavation/construction is completed.



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4. Mandatory actions

4.1 Communication

This Tree Protection Plan must be communicated with the entire excavation/construction team, including subcontractors, prior to commence.

4.2 Construction sequence

The Construction Sequence outlined below must be followed.

Construction Sequence	
1	Site meeting – Monitoring arborist & Contractor
2	Remedial tree pruning
3	Erection of protective fencing and flooring
4	Excavation
5	Construction
6	Removal of protective fencing
7	Final inspection

4.3 Protection fences

It is prohibited for the protection fences to be moved or entered once the final position of the fences has been decided by the monitoring arborist.

4.4 Arborist monitoring

All work within the Tree Protection Zone (TPZ) is prohibited without the consent of the approved monitoring arborist.

4.5 Root size

All tree work, including root pruning within the TPZ, will be carried out by the monitoring arborist. Roots greater than 25mm, whether inside, or outside the TPZ, which must be pruned, must be done so by the monitoring arborist only. Roots found greater than 100mm require consultation with the TCC Urban Forest Team.



5. Glossary

Tree Protection Zone (TPZ): Where the integral roots are located, roughly, but not restricted to, 1m outside the entire circumference of the tree's dripline.

Dripline: Where a line is taken from the outermost tree branches vertically down to the ground and includes the entire area within this zone.

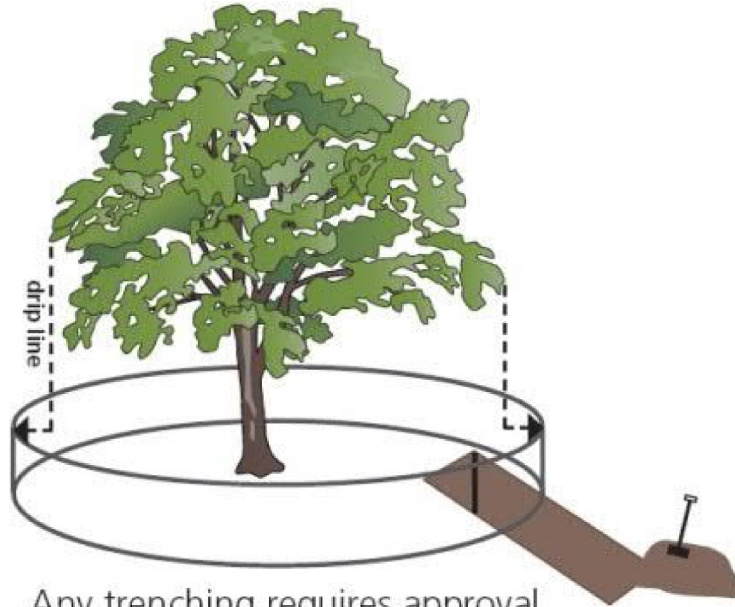
DBH: Diameter of stem at 1.4m above ground level



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6. Appendix

6.1 Tree Protection Zone



Any trenching requires approval.
Trenching may be permitted on
the extremities of the TPZ.



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6.2 Tree Protection Plan - Map

