I hereby give notice that an ordinary meeting of the Pukekiwiriki Paa Joint Management Committee will be held on:

**Date:** Friday, 12 October 2018
**Time:** 11.00am
**Meeting Room:** Papakura Local Board Chambers
**Venue:** Level 1
Papakura Service Centre
35 Coles Crescent
Papakura

Pukekiwiriki Paa Joint Management Committee

OPEN AGENDA

**MEMBERSHIP**

**Chairperson**
Karen Wilson
Te Akitai Waiohua

**Deputy Chairperson**
Brent Catchpole
Papakura Local Board

**Members**
Bill McEntee
Felicity Auva’a
Gavin Anderson
Hon. George Hawkins, QSO
Gabriel Kirkwood
Edith Tuhimata
Katrina Winn
Michael Turner
Ted Ngataki

**Alternate Members**
Willy Brown
David Wilson
Martin Te moni

(Quorum 3 members Papakura Local Board Members and 3 Iwi Representatives)

**Note:** The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted. Should Members require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.
Pukekiwiriki Paa Joint Management Committee

Terms of Reference

Members

**Papakura Local Board:**
- Brent Catchpole (Chairperson)
- Felicity Auva’a (Deputy Chairperson)
- Bill McEntee
- Hon. George Hawkins
- Michael Turner
- Katrina Winn

**Iwi Representatives:**
- Te Akitai Waiohua: Karen Wilson
- Ngāi Tai ki Tāmaki: Gabriel Kirkwood
- Ngāti Tamaoho: Ted Ngataki
- Ngāti Te Ata: Edith Tuhimata
- Ngāti Whanaunga: Gavin Anderson

**Alternate members:**
- Ngāti Tamaoho: Willy Brown
- Ngāti Te Ata: David Wilson
- Te Akitai Waiohua: Martin Te Moni
- Ngāti Whanaunga: Martin Te Moni

Where an iwi representative cannot attend a meeting, the alternate member for that iwi representative may attend the meeting on behalf of that iwi representative.

Background:

The *Pukekiwiriki Paa Reserve Joint Management Plan* ("the Plan") was prepared by the former Papakura District Council and Te Roopu Kaitiaki o Papakura and contains long-term objectives and detailed implementation actions for the effective management of Pukekiwiriki Paa.

The Plan was adopted by Papakura District Council on 11 May 2010 following a public process which began in June 2008. The Plan was approved pursuant to the provisions of section 41(1) of the Reserves Act 1977 and to a delegation from the Minister of Conservation.

One of the Plan’s objectives is to ensure that mana whenua and council work together in partnership to manage the reserve. To give effect to this objective and implement the Plan, Papakura Local Board has established the Pukekiwiriki Paa Joint Management Committee, comprising representatives of the local board and mana whenua. The local board has delegated its Reserves Act powers and responsibilities for the Pukekiwiriki Paa reserve management to the joint management committee.
Purpose:

To implement the visions, principles, goals and objectives outlined in the Plan whilst recognising the integrity and policies of each party, and working together in the spirit of partnership. To exercise delegated powers under the Reserves Act 1977.

Goal:

To co-manage the Pukekiwiriki Paa Reserve according to the vision, principles and objectives of the Plan, in accordance with the Reserves Act 1977.

Chairperson and deputy chairperson:

The committee will appoint the chairperson and the deputy chairperson at the first meeting. The term of the chairperson and deputy chairperson will be up to one year, or until a new chairperson and the deputy chairperson is appointed (whichever is longer).

Decision making:

The committee will aspire to make all decisions by consensus.

Quorum:

Three iwi representatives (or alternates) and three local board representatives.

Meeting Frequency:

Meetings of the committee will be held twice a year unless otherwise resolved by the committee. The committee will agree upon a meeting schedule at its first meeting.

Funding:

Auckland Council will be responsible for funding the implementation of the Reserve Management Plan and resourcing the committee to give effect to its decisions. Papakura Local Board will make annual provision for ongoing implementation, maintenance and management of the reserve within the capital and operating budgets allocated to local parks services.
Responsibilities:

The Pukekiwiriki Paa Joint Management Committee has responsibility for the administration and management of the Pukekiwiriki Paa Historic Reserve, as outlined in the Pukekiwiriki Paa Reserve Management Plan/Ta Mahere Whakahaere o Pukekiwiriki.

The Pukekiwiriki Paa Joint Management Committee is responsible for the implementation and monitoring of the Pukekiwiriki Paa Reserve Management Plan at a governance level. The Committee has the decision making authority regarding allocation of the Papakura Local Board budget for implementation of the Reserve Management Plan.

Powers may include, but are not limited to:

- Determining the priorities for implementing the Pukekiwiriki Paa Reserve Management Plan
- Managing the implementation actions of the Plan
- Monitoring the progress of implementation of the Plan
- Monitoring the effects of implementation on the land
- Ensuring that maintenance resources and actions are targeted to meeting the objectives and implementation actions of the management plan
- Ensuring that funding and resourcing for the reserve takes account of the specific and unique needs of the reserve as set out in the management plan
- Viewing and treating the Paa, not just as a reserve, but as a significant taonga that requires particular care and joint expertise to manage
- Setting a prescribed process for works to be carried out on the reserve, in accordance with Reserves Act requirements
- Ensuring that maintenance is carried out in accordance with the Reserve Management Plan and that the Joint Management Committee agrees the levels of service for maintenance on the reserve, subject to any wider council standards
- Ensuring that maintenance regimes for the Paa are developed from the Reserve Management Plan, subject to any wider council standards
- Ensuring that actions identified in the Reserve Management Plan are carried out in the manner set out in the Plan, as resources permit
- Review of the Joint Management Agreement adopted on 28 September 2010

Note: relevant legislation includes but is not limited to:
Local Government Act 2002
Local Government (Auckland Council) Act 2009
Reserves Act 1977
<table>
<thead>
<tr>
<th>ITEM</th>
<th>TABLE OF CONTENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Karakia / Mihi / Welcome</td>
<td>7</td>
</tr>
<tr>
<td>2</td>
<td>Apologies</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>Declaration of Interest</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>Confirmation of Minutes</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Leave of Absence</td>
<td>7</td>
</tr>
<tr>
<td>6</td>
<td>Acknowledgements and Tributes</td>
<td>7</td>
</tr>
<tr>
<td>7</td>
<td>Petitions</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>Deputations</td>
<td>7</td>
</tr>
<tr>
<td>9</td>
<td>Extraordinary Business</td>
<td>7</td>
</tr>
<tr>
<td>10</td>
<td>Notices of Motion</td>
<td>8</td>
</tr>
<tr>
<td>11</td>
<td>24 October 2017 Pukekiwiriki Paa Joint Management Committee minutes</td>
<td>9</td>
</tr>
<tr>
<td>12</td>
<td>Pukekiwiriki Paa Historic Reserve - General update</td>
<td>17</td>
</tr>
<tr>
<td>13</td>
<td>Consideration of Extraordinary Items</td>
<td></td>
</tr>
</tbody>
</table>
1 **Karakia / Mihi / Welcome**
A member will lead the meeting in a karakia (prayer).

2. **Apologies**
At the close of the agenda no apologies had been received.

3 **Declaration of Interest**
Members are reminded of the need to be vigilant to stand aside from decision making when a conflict arises between their role as a member and any private or other external interest they might have.

4 **Confirmation of Minutes**
That the Pukekiwiriki Paa Joint Management Committee:

   a) confirm the ordinary minutes of its meeting, held on Tuesday, 10 April 2018, as a true and correct record.

5 **Petitions**
At the close of the agenda no requests to present petitions had been received.

5 **Leave of Absence**
At the close of the agenda no requests for leave of absence had been received.

6 **Acknowledgements and Tributes**
At the close of the agenda no requests for acknowledgements had been received.

7 **Petitions**
At the close of the agenda no requests to present petitions had been received.

8 **Deputations**
Standing Order 3.20 provides for deputations. Those applying for deputations are required to give seven working days notice of subject matter and applications are approved by the Chairperson of the Pukekiwiriki Paa Joint Management Committee. This means that details relating to deputations can be included in the published agenda. Total speaking time per deputation is ten minutes or as resolved by the meeting.

At the close of the agenda no requests for deputations had been received.

9 **Extraordinary Business**
Section 46A(7) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

---

**Note:** The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted. Should Members require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.
“An item that is not on the agenda for a meeting may be dealt with at that meeting if-

(a) The local authority by resolution so decides; and

(b) The presiding member explains at the meeting, at a time when it is open to the public,-

(i) The reason why the item is not on the agenda; and

(ii) The reason why the discussion of the item cannot be delayed until a subsequent meeting.”

Section 46A(7A) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

“Where an item is not on the agenda for a meeting,-

(a) That item may be discussed at that meeting if-

(i) That item is a minor matter relating to the general business of the local authority; and

(ii) the presiding member explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at the meeting; but

(b) no resolution, decision or recommendation may be made in respect of that item except to refer that item to a subsequent meeting of the local authority for further discussion.”

10 **Notices of Motion**

There were no notices of motion.
Te take mō te pūrongo / Purpose of the report
1. Attaching a copy of the 10 April 2018 Pukekiwiriki Paa Joint Management Committee minutes for members’ information.

Secretarial note: The minutes will be approved under item 4 of the agenda.

Ngā tāpirihanga / Attachments

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0</td>
<td>10 April 2018 Pukekiwiriki Paa Joint Management Committee minutes</td>
<td>11</td>
</tr>
</tbody>
</table>

Ngā kaihaina / Signatories

<table>
<thead>
<tr>
<th>Authors</th>
<th>Paula Brooke - Democracy Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorisers</td>
<td>Manoj Ragupathy - Relationship Manager Manurewa &amp; Papakura</td>
</tr>
</tbody>
</table>
Pukekiwiriki Paa Joint Management Committee

OPEN MINUTES

Minutes of a meeting of the Pukekiwiriki Paa Joint Management Committee held in the Papakura Local Board Chambers, Level 1, Papakura Service Centre, 35 Coles Crescent, Papakura on Tuesday, 10 April 2018 at 11.00am.

PRESENT
Chairperson                 Karen Wilson (Te Ākitai Waichua)
Deputy Chairperson          Brent Catchpole (Papakura Local Board)
Members                     Gavin Anderson (Ngāti Whanaunga)
                            Willie Brown (Ngāti Te Ata Waiohua)
                            Jonathan Billington (Ngāi Tai ki Tāmaki Trust)
                            Bill McEntee (Papakura Local Board)
                            Ted Ngataki (Ngāti Tamaoho)
                            Edith Tuhimata (Ngāti Te Ata Waiohua)
                            Katrina Winn (Papakura Local Board)

ABSENT
Members                     Felicity Auva’a (Papakura Local Board) (with apology)
                            Karl Flavel (Ngāti Te Ata Waiohua)
                            Hon. George Hawkins, QSO (Papakura Local Board) (with apology)
                            Mahu Rawiri (Ngāti Paoa Iwi Trust) (withdrawn from the committee)
1  Karakia / Mihi / Welcome  
   Member Gavin Anderson opened the meeting with a brief mihi and karakia.

2  Apologies  
   Resolution number PUK/2018/1  
   MOVED by Chairperson KW Wilson, seconded by Deputy Chairperson B Catchpole:  
   That the Pukekiwiriki Paa Joint Management Committee:  
   a) accept the apologies from Hon. George Hawkins, QSO (Papakura Local Board), and Felicity Auva’a (Papakura Local Board).  
   CARRIED

3  Declaration of Interest  
   Although not considered a conflict of interest the Papakura Local Board Chairperson, Brent Catchpole, advised he lived in Tanah Merah Drive. Tanah Merah Drive is being discussed in relation to access to the Pukekiwiriki Paa site.

4  Confirmation of Minutes  
   Resolution number PUK/2018/2  
   MOVED by Member B McEntee, seconded by Deputy Chairperson B Catchpole:  
   That the Pukekiwiriki Paa Joint Management Committee:  
   a) confirm the ordinary minutes of its meeting, held on Tuesday, 24 October 2017, as a true and correct record.  
   CARRIED

5  Leave of Absence  
   There were no requests for leave of absence.

6  Acknowledgements and Tributes  
   There were no acknowledgements and tributes.

7  Petitions  
   There were no petitions.

8  Deputations  
   There were no deputations.

9  Extraordinary Business  
   There was no extraordinary business.
10 Notices of Motion

There were no notices of motion.

11 24 October 2017 Pukekiwiriki Paa Joint Management Committee minutes

Secretarial note: The minutes were confirmed under item 4 of the minutes.

12 Pukekiwiriki Paa Historic Reserve Access Renewal Improvement Option

Resolution number PUK/2018/3

MOVED by Member T Ngataki, seconded by the Deputy Chairperson B Catchpole:

That the Pukekiwiriki Paa Joint Management Committee:

a) approve option one outlined in Attachment A (Pukekiwiriki Paa Feasibility Report from Frame Group Ltd) to the report entitled “Pukekiwiriki Paa Historic Reserve Access Renewal Improvement Option”, to renew and upgrade the current access into the Pukekiwiriki Paa Historic Reserve off Red Hill Road, being:

- Renew and make safe the existing entrance track and access to the summit of the Paa – by upgrading the existing 91 metre long southern route track from Red Hill Road; including re-shaping and surfacing the track, the installation of new boxed steps overtop of the existing worn out stone steps, and the installation of a new 9 metre long timber staircase with two flights. (Estimated cost of construction and professional services - $109,000 excluding GST).

b) request that option two be retained as a secondary access for future consideration. Option two is outlined in Attachment A (Pukekiwiriki Paa Feasibility Report from Frame Group Ltd) to the report entitled “Pukekiwiriki Paa Historic Reserve Access Renewal Improvement Option”, as follows:

- Formation of a new Northern route off Tanah Merah Drive into the reserve connecting to the summit of the Paa. This would involve the build of a new 199m long northern route track including new track benching and surfacing, the installation of new boxed steps through vegetated areas, and the installation of a new 44m long timber staircase with nine flights. (estimated cost of construction and professional services - $332,000 excluding GST).

c) request that the Community Facilities Department proceed with this track renewal and that this be funded from the Community Facilities Department renewal programme. This approval to proceed is conditional upon the following conditions:

i) Detailed design should avoid archaeological sites and sites of cultural significance where possible. If it is shown, through detailed design, that the objectives cannot be achieved without impacting on these sites then the Pukekiwiriki Paa Joint Management Committee shall be advised and given the opportunity to provide feedback on detail design.
options.

ii) Mana whenua, with an interest in the site, be offered the opportunity to undertake cultural monitoring.

iii) Mana whenua, with an interest in this site, shall be invited to jointly input to the tender documentation and evaluate tenders. The tender document shall include criteria that evaluate and support businesses that have an understanding of the values of the site and the significance to mana whenua.

iv) The detailed design shall utilise materials that look natural and are in keeping with the site.

d) note that:

i) the Pukekiwiriki Paa Joint Management Committee is a co-governance committee who has been delegated decision making power by the Papakura Local Board to:
   • determine priorities for implementation of the Pukekiwiriki Paa Reserve Management Plan,
   • manage the implementation of actions of the Plan,
   • monitor the progress and effects of implementation on the land.

ii) The committee is made up of representatives of the Papakura Local Board, Te Äkitai Waiohua, Ngāi Tai ki Tāmaki, Ngāti Tamaoho, Ngāti Te Ata, and Ngāti Whanaunga.

iii) Ngāti Paoa Iwi Trust has formally withdrawn their membership from the committee noting that they have a secondary interest in Pukekiwiriki Paa and the Papakura area and fully support other mana whenua and the committee.

iv) This decision therefore reflects the collective views of those mana whenua listed above.

CARRIED

13 Consideration of Extraordinary Items

There was no consideration of extraordinary items.

The meeting finished at 11.30 am

The Chairperson thanked Members for their attendance and attention to business and declared the meeting closed.

CONFIRMED AS A TRUE AND CORRECT RECORD
AT A MEETING OF THE PUKEKIWIRIKI PAA JOINT MANAGEMENT COMMITTEE HELD ON

DATE:.................................................................

CHAIRPERSON:.....................................................
Pukekiwiriki Paa Historic Reserve - General update

File No.: CP2018/18637

Te take mō te pūrongo / Purpose of the report
1. To provide the Pukekiwiriki Pā Joint Management Committee with a general update on the management of the Pā and to seek endorsement for the design of the access track.

Whakarāpopototanga matua / Executive summary
2. A draft design for the pedestrian access into and through Pukekiwiriki Pā Reserve has been developed by Frame Group Ltd. This is attached for review and approval.
3. General updates on other activities are also included in this report.

Ngā tūtohunga / Recommendations
That the Pukekiwiriki Paa Joint Management Committee:

a) approve the attached design for the track renewal and upgrade from Red Hill Road to the Pā site.

b) provide direction on the use of hardwood decking timbers.

c) endorse the development of some draft concept design options for an access gateway, tohu or pou at the entrance to Pukekiwiriki Pā, which are based on the requirements noted in this report.

d) provide direction on any specific designers to be invited to provide a proposal and direction on committee member participation in the process to select the designer for an access gateway, tohu or pou at the entrance.

e) request that gateway, tohu or pou design options be reported back to the committee for consideration

Horopaki / Context
4. At its meeting on 10 April 2018, the Pukekiwiriki Paa Joint Management Committee (committee) resolved to:

   a) approve option one outlined in Attachment A (Pukekiwiriki Pā Feasibility Report from Frame Group Ltd)… entitled “Pukekiwiriki Pā Historic Reserve Access Renewal Improvement Option”, to renew and upgrade the current access into the Pukekiwiriki Pā Historic Reserve off Red Hill Road…

   b) request that option two be retained as a secondary access for future consideration… (formation of a new northern route off Tanah Merah Drive).

5. Since then several site visits have occurred. This included an onsite induction with mana whenua.

6. A range of specialists have provided advice resulting in a track renewal draft design which is presented here (Attachment A and B) for review and approval.

7. In addition to this, meetings in 2016 and 2017 provided direction on a number of matters in relation to the Pā including, signage, visitor activities, ecological management, maintenance and health and safety. An update on these is provided below.
Tātaritanga me ngā tohutohu / Analysis and advice

Access Track

8. The attached draft design shows a new access track that is 87 metres long. It is largely based on the existing route from Red Hill Road. It includes a re-shaped surface and installation of a new 9 metre long timber staircase, with two flights, which minimises drilling and impact on the limestone cliff face.

9. While ground disturbance has been kept to a minimum, the topography and significance of the site means there will be some foundation work that will be in areas of archaeological significance.

10. A range of materials and designs were considered in order to address the committee request and to ensure best practice or innovative solutions are being employed at this site. Attachment C shows alternative options for construction that have been considered in the design development.

11. The attachments show a design that includes:
   - Minor modification to the current route through the bush
   - A timber structure built on site piece by piece, and lifted into place by manual labour.
   - 20mm holes drilled into the rock and a grouted bar fixing. This includes minimal ground penetration.
   - Hardwood decking is noted as an option. It will have increased cost and there may be availability problems. The benefit of hardwood timbers is that it avoids the risk of chromated copper arsenate leaching which can occur from treated pine timber. However some hardwood timbers have issues with stainability and will require pre-cutting. Research will be required to ensure a suitable timber is chosen that meets the lifespan requirements as per the NZ Building Code.

12. Specific conditions provided by the committee in April 2018 included the need to either avoid work on archaeological sites and sites of cultural significance where possible, or if not, advise the committee to provide an opportunity for feedback on the offered detailed design options.

13. Another condition was that the detailed design shall utilise materials that look natural and are in keeping with the site.

14. Noting the impact, albeit minimised, the attached design option requires endorsement from the committee in order to progress to resource consent. Direction on the use of hardwood timbers is also sought.

15. As a normal part of developing this design, a range of expert advisors have assessed the proposal including a track designer, archaeologist, arborist and planner.

16. Five mana whenua, who have an interest in the area (as recorded by Auckland Council) and who do not sit on this co-governance committee, have been notified prior to lodgement of resource consent. This is a courtesy and provides an opportunity to understand concerns prior to all 10 mana whenua, who have a noted interest in the area, being notified as part of the regulatory process.

Signage

17. A new sign (which is a skin on the old sign) has been installed at the entrance to Pukekiwiriki Pā. This is in line with previous resolutions of the committee and speaks to the risk of the steep and slippery track access. This is shown below.
18. With progress being made on the track renewal and upgrade, consideration now needs to be given to replacing this sign at the conclusion of the project.

19. The Pukekiwiriki Pā Reserve Management Plan 2010 makes several references to signage. These include the need to keep signage to a minimum, to restrict signs to those signs that are required or are illustrative of the site’s history and the plan states that:

   “Signs will be placed to explain why refuse and food inside the site is unacceptable. The eating of food and the deposition of rubbish on tapu sites is not practiced and signage to this effect will discourage ‘picnics’ and littering.” page 57.

20. The plan also notes that historical information related to the Pā should be prepared in Māori and English and historic photographs should be used where possible.

21. Under the management action of “new development and buildings” the management plan states:

   “Any proposed buildings on the site must be integral to the purposes of the plan such as access, pou whenua, education, illustration and interpretation of the history of the site” the explanation for this section notes that “The only buildings that are envisaged by the plan are structures for access, signs, access gateway (Tohu and pou).”

22. Previous work programmes and reports to this committee have discussed the need for signage.

23. At the October 2017 hui it was resolved that “future proposed signage for Pukekiwiriki Pā Historical Reserve reflects strongly the no alcohol and smoke free status for this reserve”

24. Most mana whenua have considered the need for signage as part of their cultural values assessment and there are no objections to signage in principle.

25. Given the range of messages that need to be conveyed to address the points above, and noting the reference to an access gateway, tohu or pou in the management plan, it is recommended that a range of options for an entranceway feature be considered. These options should be commensurate with the significance of the site but also cognisant of the remote nature and smaller scale of the public accessible Pā area. In other words, the entrance should not give off the impression of destination with significant capacity.

26. Draft concept designs would also need to reference the recently received cultural values assessments.
27. It is noted that there is funding available for the development of designs but capital funding will be needed for any new build.

28. If no additional capital funding can be sourced, then a new skin, on the current sign, will be implemented at the conclusion of the track upgrade project. This can be implemented with operational funding and will amend the messages to include some of the messages noted above.

29. In terms of process it is recommended that:
   - a proposal for signage design options be sought from mana whenua endorsed designers. This recommendation reflects this is a site of significance to mana whenua and the list of requirements point to the need for this entrance to imbue te ao Māori principles of manaakitanga and tikanga (welcoming visitors to a site and supporting appropriate use of the site).
   - One or more mana whenua representatives be selected to review the proposal (with council officers) and select a single designer to provide the entranceway and signage options. This idea of working with one designer reflects the relatively small nature of the task and the need for options to include something very simple and cost effective, as well as more elaborate options. Understated options are less likely to be achieved when designers are in competition with each other.
   - The selected designer to provide 3-4 high level options including an artist impression. Options should include a simple sign and a waharoa or similar gateway, with a few other options being at the designers creative discretion. This will ensure a range of options is provided with a useful comparison of cost and visual impact.
   - These options be brought back to the committee for consideration.

30. An issue raised through the development of the Cultural Values Assessments, that may need to be considered prior to any new sign being installed, is the potential need to undertake a name correction to Pukekiwiriki. The Ngā Mana Whenua o Tāmaki Makaurau Act 2014 specifically legislated the name Pukekiwiriki Pā. Direction is sought from mana whenua members on the committee, on the next steps for naming, if any.

Ecological management

31. Wildlands have been contracted to undertake the first stage of weed control. Following a site induction with mana whenua on 17 April, Wildlands have removed all woody weeds from the pits by cutting at the base and stump treating i.e. no foliar spray used. As there is no ground disturbance and these were plants under four meters in height, consent was not required for this work. The cut material was manually removed off site.

32. A quote for the management of the rest of the site is now been developed in line with the ecological management plan previously developed for the Pā. This includes the need to tackle large tree privet and gorse to the north of the site and extensive weed banks on the north eastern cliff face. This will all require a longer term staged approach.

Visitor Activity

33. The committee requested a report back on visitor activities on this cultural and historically significant reserve and, if appropriate, asked for a strategy to mitigate any impact from such activity.

34. Following the April committee meeting, the Council Events team were briefed on the committee aspirations including the unique values of the site and the desire to manage activity very carefully, commensurate with both the nature of the access track and the significance of the Pā. The Events team have reported back that in the subsequent four months no applications for activity has been received for approval. They will continue to monitor and note the uniqueness of the site.
Maintenance

35. On 26 June 2018, City Care and Community Facilities staff were inducted onto site by mana whenua. City Care provide the maintenance services for the site including grass maintenance and litter management. This induction provided an opportunity for City Care to discuss the values of the site with mana whenua and to understand how their work may damage the site (if not managed correctly) and conversely to help protect the site. It was a really helpful visit which resulted in changes to both City Care’s maintenance practice and to update the asset maps for mowing.

Health and Safety

36. Health and safety was reported to the committee by way of a workshop at the April meeting. The need for a more bespoke cultural induction process was discussed and a follow-up hui with mana whenua occurred to discuss ways in which this could be progressed. Representatives from Te Akitai Waiohua and Ngāti Whanaunga provided the input to this hui.

37. It was noted that there are four or so groups to consider in relation to cultural safety at Pukekoiwiriki Pā:
   - Workers - both one off and regular maintenance crew
   - Staff - including local board services staff, contract managers, parks staff and events staff
   - Event groups/schools groups
   - Casual users/neighbours

38. It was agreed that an induction document would be commissioned from mana whenua, which could be universally used for any of the groups noted above. This should include:
   - History/values
   - How to respect the site
   - Wahi tapu - what not to do
   - What can be done to add value

39. It was agreed that for any new contractors, workers or change in workers, an onsite karakia and induction should be arranged. To support this it was agreed a tikanga guideline would be helpful to support workers prior to attending the cultural induction i.e. understand what to expect and how to prepare for an onsite cultural induction.

40. It was also agreed that the risk register should be amended to include:
   - Cultural safety consideration
     - It is important to understand the cultural significance of the site and the importance of keeping workers and visitors safe from a te ao Māori (Māori world) point of view as they work or visit the site
   - Supporting workers and visitor safety
     - Mana whenua want to support workers and visitors safety. The following tools are available/will be available to support this:
       - Any staff and contractor working on the site will be requested to show their cultural competence/understanding of the history and will be inducted onto site by mana whenua
       - A cultural induction document, developed my mana whenua, is provided to all workers
       - Any school groups or events will first be consented by a mana whenua representative and groups will be provided the cultural induction document
and will be invited to ask mana whenua to induct them onto the site (this is subject to resourcing and availability of mana whenua)

- Signage - this will improve over time and will ideally capture elements of the cultural induction document so that the public are cared for

41. Some of these actions have been progressed while others are yet to commence and remain on the work programme to complete.

Ngā whakaaweawe ā-rohe me ngā tirohanga a te poari ā-rohe / Local impacts and local board views

42. The Papakura Local Board is aware of the disrepair and safety issues related to the entrance and track into Puakeiwiriki Paa, and continue to advocate for this matter to be resolved.

43. The Puakeiwiriki Pā Joint Management Committee has been established to address these issues in a co-governance partnership between the local board and mana whenua.

Tauākī whakaaweawe Māori / Māori impact statement

44. The Puakeiwiriki Pā Joint Management Committee is a co-governance committee of Auckland Council including iwi and the Papakura Local Board. The role of this committee is to determine governance and operational decisions in the management of this site of significance.

Ngā ritenga ā-pūtea / Financial implications

45. The Community Facilities Department have confirmed that funding has been allocated to enable repairs and improvements to be made to the Puakeiwiriki Pā access path.

46. Operational funding is available for maintenance, ecological works and design.

47. No capital funds are available for signage or entrance works. It is recommended options and costs be presented at the next committee meeting so the financial implications can be discussed.

Ngā raru tūpono / Risks

48. The current access route is navigable by fit individuals with appropriate footwear and with confidence navigating steep uneven off road routes. It is not advisable that larger groups use this route unless taking care to use in single file. It is not considered safe to navigate in very wet conditions due to mud and slippery rock faces combined with the steep incline along parts of the route.

49. A sign has being placed on site to warn users of these limitations but as a publicly accessible site it is not possible to prevent visitors who are not appropriately attired or physically capable from using the current route.

Ngā koringa ā-muri / Next steps

50. Subject to direction from the committee, the track design will be lodged for resource consent before being tended and then constructed. In addition to this and as outlined above, design options will be sought for the entranceway, further costing will be sought on weed management and the health and safety documentation will be further developed.
### Ngā tāpirihanga / Attachments

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Track development scheme_draft</td>
<td>25</td>
</tr>
<tr>
<td>B</td>
<td>Track development detail_draft</td>
<td>27</td>
</tr>
<tr>
<td>C</td>
<td>Construction option analysis</td>
<td>33</td>
</tr>
</tbody>
</table>

### Ngā kaihaina / Signatories

<table>
<thead>
<tr>
<th>Authors</th>
<th>Jane Aickin - Paeurungi Te Waka Tai-ranga-whenua</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorisers</td>
<td>Mace Ward - General Manager Parks, Sports and Recreation</td>
</tr>
</tbody>
</table>
Attachment B

Item 9

NOTES:

1. TIMBER GRADE:
   - ALL TIMBER TO BE SB GRADE

2. TIMBER TREATMENT:
   - ROUND PILES IN CONTACT WITH GROUND TO BE HS.
   - SAWN TIMBER NOT IN CONTACT WITH GROUND TO BE HS?
   - SAWN TIMBER IN CONTACT WITH GROUND TO BE HS?
   - TREATMENT SHALL COMPLY WITH THE CURRENT REQUIREMENTS OF THE TIMBER
     PRESERVATION COUNCIL. ALL TIMBER SHALL BE BRANDED WITH THE APPROPRIATE
     WOODMARK AND BE TREATED AT LEAST 2 MONTHS prior TO USE.

3. NAILS:
   - GENERAL STRUCTURAL USE 100 x 4mm FH
   - ALL NAILS SHALL BE HOT DIPPED GALVANISED

4. BOLTS:
   - BOLTS SHALL BE M12 HOT DIPPED GALVANISED BOLTS FITTED WITH DOWELS.
   - GALVANISED SQUARE WASHERS BETWEEN. ALL GALVANISED BOLTS IN CONTACT
     WITH TREATED TIMBER SHALL BE PROTECTED USING SP GREASE IN PRE GREASED HOLE.

DRAFT

PUKEKIWIKI Pa TRACK DEVELOPMENT

DO NOT SCALE

Boxed Steps Plan and Elevation

Pukekiwiriki Historic Reserve - General update
Pukekiwiriki Paa Historic Reserve - General update

Attachment B

Item 9

PUKEKIWIRIKI Pa TRACK DEVELOPMENT
BOXED STEPS
SECTIONS AND DETAILS

DRAFT

Frame Group Limited
PREPARED FOR
Auckland Council
PROJECT
PUKEKIWIRIKI Pa TRACK DEVELOPMENT

DO NOT SCALE

A1
BOXED STEP SECTION WITH 800mm HIGH EDGE

A2
TYPICAL SECTION ON BOXED STEPS

Attachment B

Item 9
Attachment B

Item 9

Pukekiwiriki Pa Track Development

DO NOT SCALE

STAIRCASE DETAIL

STAIRCASE TREAD DETAIL

TOP RAIL SPLICE PLAN

17

SHT - 1:10 @ A3

DO NOT SCALE

TOP RAIL SPLICE ELEVATION

19

SHT - 1:10 @ A3

TOP LANDING SUPPORT DETAIL

STAIRCASE LANDING SECTION

C

SHT - 1:20 @ A3

TYPICAL STAIRCASE SECTION

1. BHP ANAC B11 BRACKET PER JOIST

2. 100 x 100 x 4mm FH NAILS TO EACH PLANK

3. 100 x 100 x 4mm FH NAILS TO EACH PLANK

4. 150 x 50 CENTRAL CLEAT FIXED WITH

5. 150 x 50 CENTRAL CLEAT FIXED WITH

6. 150 x 50 CENTRAL CLEAT FIXED WITH

Refer to Section B for barrier details

DO NOT SCALE

Pukekiwiriki Paa Joint Management Committee
12 October 2018

Pukekiwiriki Paa Historic Reserve - General update

Page 32
<table>
<thead>
<tr>
<th>Design Option</th>
<th>High level reasoning for considering this option</th>
<th>Practicality for Pukekiwiriki Pā (site topography, construction methodology/access, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel helical screw piles as the foundation (galvanised)</td>
<td>Steel helical screw piles as the foundation can minimise disturbance of important cultural heritage. NZ manufactured, galvanised steel screw footings are considered the least intrusive mechanism for placing sustainable and durable foundations to support the boardwalk.</td>
<td>Screw-piles and helical anchors are generally limited to installation in soils. They are not suited for rock fixing. Attempting to use these particularly on the upper walkway section could fracture off the edge of the limestone cliff. Generally on the preliminary design, where suitable, Framecorp Ltd have shown 20mm holes drilled into the rock and a grouted bar fixing. This detail was chosen because of the minimal ground penetration required for installation, and would only be suitable where multiple piles are braced together.</td>
</tr>
<tr>
<td>Superstructure</td>
<td>The use of a steel superstructure reduces the number of piles required (increased span width) and consequently reduces the visual bulk of the superstructure required. Steel substructures are visually light structure, with the ability to be recycled at end-of-life.</td>
<td>Although a welded steel structure could reduce the number of piles required for ground fixing, this causes some concern with the design. Eliminating the middle sets of piles (under the landing) would result in all the loading being transferred to the top at the narrow bench on the limestone cliff. In addition to an excavated concrete pad that would be required in this location, a Geotechnical Engineering investigation would then be recommended to ensure there is no risk of collapse. This large welded steel structure would then need to be transferred to the site by truck and trailer, and lifted mechanically into place. It would be possible to construct a welded steel staircase in two pre-fabricated sections, each with a top landing. This would eliminate the need to have a geotechnical engineering investigation; however would require a central pier under the middle landing. As bracing multiple piles together in this location would not be an option, it would be necessary to drill and concrete this piles set into the rock. Although this option would be lighter than a single welded steel structure, vehicle access and mechanical lifting is still likely required. A benefit of a timber structure is that it can be built on site piece by piece, and lifted into place.</td>
</tr>
<tr>
<td>Item 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| **Decking material options** | A combination of timber and if possible steel decking materials to provide a recessive and visually permeable structure in the landscape.  
Consider usage of Totara or Forest Stewardship Council certified hardwood as a decking material due to its sustainability properties. Chromated copper arsenate (CCA) treated timber not encouraged around sites of significant ecological value, wetlands and waterways and sites of cultural significance.  
Steel decking is loud and very unnatural sounding. Hardwood decking is an option with the normal increased cost and availability problems. It is noted that CCA leaching can occur from treated pine timber, but this is particularly from freshly treated material. Allowing the contractor time to order and have timber dry before use reduces this to only slightly above natural occurring background levels. Some hardwood timbers have issues with stainability and will require pre-cutting. Research will be required to ensure a suitable timber is chosen that meets the lifespan requirements as per the NZ Building Code. |
| **On-grade options** | Monoslope tracks of compacted gravel with a high clay content, grade dips to manage water flow, soft retaining structures (not retaining walls), boxed steps or stringer boxed steps where required, no timber edging.  
The preliminary design shows edge boards in the following two locations:  
1) At the track entrance to enable the track to be filled over exposed roots. It would be possible to eliminate this edge board if additional fill was used and battered onto the cross fall.  
2) Between the stringer boxed steps near the top of the site. This is only a short length (up to 200mm high) required to fill the track formation to obtain the minimum track width. Timber is preferred as it that will blend with the proposed timber boxed step at both ends and does not require reshaping where the subbase is rutted. Other options such as filled bags would require additional earthworks formation on the track edge for support; therefore have not been considered. |
| Proposal is to use ground penetrating radar (GPR) | Use GPR before using screw in foundations. | Boxed step and edge board fixing is shown on the preliminary design with either driven pegs or drilled bars into the rock. Staircase pile fixing is shown as drilled bars into the rock or in one location a shallow 400mm deep pile into the rock. In most locations the ground consists of a shallow layer of soil/leaf litter over the limestone rock formation; therefore GPR would have little use. For the small amount of earthworks required at the staircase it is believed that the Archaeological Discovery Protocol to be outlined in the specification documents will be suitable. |