

[Re: Update on the Proposed Mauao Base Track Remediation Project 2018](#)

Tēnā te mihi ki a koutou katoa ngā kaitiaki o te Poari Matua o Mauao,

Tauranga City Council (TCC) confirmed the successful team of consultants to develop and design a permanent long term solution as part of the remediation works to the Mauao base track as the result of a large land slip at Te Kawa Point during Cyclone Debbie in April 2017. The size and scale of the damage to the base track is shown in the photo below (TCC website).



Figure 1 - A large Pōhutukawa Tree and part of the base track slips 8 metres to the beach at Te Kawa Point in April 2017.

Tenders were called to provide a preliminary concept plan for Client approval and then full detailed engineering design plans and drawings for the consent process and construction. The tender was based on the Clients preference for Option 5 from the “Mauao Base Track Repair Assessment Options Report” by Tonkin and Taylor in June 2017.

TCC awarded the Mauao base track project in November 2017 with a team of experts including:

- Boffa Miskell Ltd Tauranga, led by § 7(2)(a) - Privacy to provide strategic planning, Iwi and hapū cultural, landscape architecture and design, ecology and coastal marine advice;
- GHD Tauranga an international engineering company, led by § 7(2)(a) - Privacy to provide the coastal engineering and geotechnical expertise to construct the proposed design;
- Alta, led by § 7(2)(a) - Privacy provides advice on the construction methodologies, machinery options and material storage sites, engineering and cost implications for the project;
- Arbor Care Ltd, § 7(2)(a) - Privacy provides the risk management assessment and maintenance plan for the existing trees and vegetation and in particular the iconic Pōhutukawa trees;
- Insitu-Heritage, § 7(2)(a) - Privacy project archaeologist.

- Lysaght Consultants provided the survey and contour data of the project area and slip site.

The project team will develop and provide TCC and Ngā Poutiriao o Mauao with an innovative concept design and engineering solution for a new section of the Mauao base track from Waipatukakahu Puna around Te Kawa Point and re-joining the track between the Te Kawa and Ruarapapari Waipuna.

The proposed walking track will be on top of an engineered structure built of rock materials that is designed to absorb the energy of the waves but to also allow the water to be dissipated, this is known as a “revetment.” Working examples of revetments in public use along the Fergusson Park and the Waikareao Estuary walkways. The final design of the Te Kawa Point base track will meet the following criteria:

- Consented, constructed and completed by Christmas 2018,
- Within the project budget of \$2.2 million;
- Meet the appropriate quality assurances;
- Provide safe public access for all abilities that enhances their Mauao experience;
- Recognise and enhance the cultural significance of Te Kawa Point and the surrounding natural character and landscape features of Mauao;
- Address the engineering constraints of construction within the coastal environment and the source of appropriate materials;
- Manage public access to the coastal marine area;
- Minimise effects on the archaeological features within the project site area;
- Manage effects on ecology and marine environment;
- Manage landscape and visual effects;
- Support the long term care and maintenance of the new track structure as well as the clean-up following further storm events.



Figure 2 – The proposed lower coastal track route is indicated by the red line shown above.

The proposed track will provide a new opportunity to formally access the southern coastal shoreline of Mauao, walk past the track and connect with the sandy Te Kawa beach area and large grass embankment.

The team met and visited the Te Kawa Point project site on 13 December 2017 and reconvened on 10 January 2018 to assess what the constraints and opportunities with the preferred alignment were and how we can address these matters in developing an initial concept design.

To project team recognises the cultural significance of Mauao to the Mauao Trustees, Tauranga Moana Iwi and hapū as well as Ngā Poutiriao o Mauao and TCC. The project team would like to meet with the Trustees and Ngā Poutiriao to discuss the following matters to appoint a Mauao Trust representative as a member of our project team to:

- (a) Assist and contribute to the cultural integrity of the proposed design and construction processes for the new track;
- (b) Report to the Trustees on specific project matters that require Trust sign off;
- (c) Confirm the cultural values and principles associated with Mauao for the Te Kawa Point project area including those values identified in the Mauao Historic Reserve Management Plan Section 3.2 Rangatiratanga, Mana, Kaitiaki and Mauri are enhanced within the project design;
- (d) Discuss impacts on cultural taonga along the proposed base track route:
 - (i) The Pōhutukawa trees around the Te Kawa slip site and the foreshore area are noted as important natural cultural features that should be maintained and enhanced by the project;
 - (ii) The natural boulder fields along the shoreline at the start of the proposed new track alignment;
 - (iii) The lower section of the Te Kawa Waipuna are notable natural cultural features and cultural sites located within the proposed base track route.
- (e) Review and comment on the “Cultural Monitoring of Earthworks Protocol” of TCC;
- (f) Undertake the role or facilitate the appointment of a cultural earthworks monitor with the appropriate skills and knowledge during the construction period for the new track;
- (g) Assist with the identification of an appropriate source of rock material to be used in the construction of the track revetments;
- (h) Assist in the identification of stock pile sites for rock and materials during the construction phase.

The project team will present a revised route for the base track that takes into consideration the current information and constraints (i.e. this is shown as the yellow and purple lines below) for discussion.



The project team looks forward to meeting you to discuss these significant matters and provide a project update on 13th February 2018.

Ngā mihi, nā

s 7(2)(a) - Privacy Project Manager
Boffa Miskell Ltd