

Report 15.38  
Date 10 February 2015  
File N/23/04/04-v1

Committee Hutt Valley Flood Management Subcommittee  
Author Alistair J N Allan, Senior Projects Engineer

## **Pinehaven Stream Floodplain Management Plan: Appointment of Consultant to Complete Flood Hazard Mapping Audit**

### **1. Purpose**

To recommend the appointment of an appropriately qualified consultant, who will carry out an independent audit of the flood modelling and mapping for the Pinehaven Stream catchment.

### **2. Background**

#### **2.1 Decision to carry out audit**

At the meeting of this Subcommittee on 20 November 2014, the Subcommittee received a report summarising submissions about the Pinehaven Stream Floodplain Management plan and details of a request from the community to carry out an independent audit of the flood modelling and mapping.

At this meeting the Subcommittee made an amendment to the recommendations of the report to carry out an independent audit of the flood modelling and mapping.

The recommendations made at that meeting were;

3. *Endorses the undertaking of an independent audit of the flood model comprising the hydrology, hydraulic model and application of freeboard and notes there will be an opportunity for community input into the audit process.*
4. *Defers further consideration of submissions and implementation of the Pinehaven Floodplain Management Plan, until the report on the independent audit of the flood mapping has been received, reviewed and actioned as necessary.*

## **2.2 Development of terms of reference**

Greater Wellington Regional Council (GWRC) developed a draft terms of reference subsequent to this meeting and sent this out to several community groups within the project area. One written submission was received from one of these groups and is included as **Attachment 2** and **3** to this report.

On 23 January 2015 GWRC councillors Lamason and Swain, UHCC Mayor Guppy, the project team, Flood Protection department manager, and key leadership officers from UHCC met with representatives of four community groups to discuss and develop further the terms of reference. The notes of this meeting taken by GWRC are included as **Attachment 4**.

## **2.3 Additional items included in terms of reference**

At the discussion with the community on 23 January, it was agreed that several additional items identified by the Save Our Hills group as discrepancies, would be added to the terms of reference. These are;

### **2.3.1 Save Our Hills case studies**

The Save Our Hills group has carried out several case studies that they believe prove the flood maps incorrect. It was agreed that all information held by GWRC including that given to us by the community group would be supplied to the auditor and comment on these will be included as part of the audit.

GWRC currently only holds the results of these case studies, and not the working by which these results were generated.

### **2.3.2 Guidance on how to set storm water neutrality provisions within district plan**

In addition to the assessing the correctness of the flood information we will ask the auditor to advise on how to establish a base line for run-off against which any future development proposal will be measured, in the context of district plan provisions.

### **2.3.3 The impact of intensification of development on the run off characteristics of the Pinehaven hills**

In addition to assessing the correctness of the flood maps the auditor will be asked to advise on the impact of intensification of development on run off flows and characteristics in comparison to current land use run-off.

## **2.4 Deliverables**

The audit will deliver a report containing an executive summary identifying if the work carried out is fit for purpose, a checklist of components identifying if each component item is fit for purpose, a summary of any issues and what follow up work may be required, the guidance requested from the additional items identified in section 2.3 of this report.

## **2.5 Selection of consultant**

The community were asked to provide names of any appropriately qualified experts that they would like considered to carry out the audit. No names were provided by these groups.

Expressions of interest were sought from a range of individuals and consultancies. Following consideration of the interested parties six consultancies were approached to seek proposals to carry out the audit as set out in the terms of reference.

## **2.6 Recommended appointment**

We recommend that BECA Ltd is appointed to carry out the audit of the Pinehaven Stream Flood mapping.

Beca Ltd is a New Zealand and Asia Pacific consultancy, with 3000 employees situated at hubs in Australia, Singapore and New Zealand.

Beca have proposed a team of two experts with a combined total of 56 years' experience across water resources, storm-water and hydrological specialties, with a particular focus on carrying out review type work.

## **3. Communication**

- Draft terms of reference circulated to community group representatives December 2014.
- Meeting held with community group representatives January 2015.

## **4. The decision-making process and significance**

The matter requiring decision in this report has been considered by officers against the requirements of Part 6 of the Local Government Act 2002 (the Act). Part 6 sets out the obligations of local authorities in relation to the making of decisions.

### **4.1 Significance of the decision**

Part 6 requires Greater Wellington Regional Council to consider the significance of the decision. The term 'significance' has a statutory definition set out in the Act.

Officers have considered the significance of the matter, taking the Council's significance and engagement policy and decision-making guidelines into account. Officers recommend that the matter be considered to have low significance.

Officers do not consider that a formal record outlining consideration of the decision-making process is required in this instance.

### **4.2 Engagement**

In accordance with the significance and engagement policy, no engagement on the matters for decision is required.

## 5. Recommendations

*That the Committee:*

1. *Receives the report.*
2. *Notes the content of the report.*
3. *Approves the terms of reference for the audit.*
4. *Appoints the recommended consultancy to complete the audit.*

Report prepared by:

**Alistair J N Allan**  
Senior Projects Engineer

Report approved by:

**Graeme Campbell**  
Manager, Flood Protection

Report approved by:

**Wayne O'Donnell**  
General Manager

### ATTACHMENTS

- |                     |                                                                       |
|---------------------|-----------------------------------------------------------------------|
| <b>Attachment 1</b> | Terms of Reference for Pinehaven Audit                                |
| <b>Attachment 2</b> | Save Our Hills comments on Terms of Reference                         |
| <b>Attachment 3</b> | Save Our Hills technical attachment to comments on Terms of Reference |
| <b>Attachment 4</b> | GWRC notes of 23 January meeting                                      |