



Report 09.691  
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File N/03/15/06

Committee Hutt River Advisory Subcommittee  
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## Hutt River Floodplain Management Plan: Whirinaki Crescent stopbank upgrade

### 1. Purpose

- To update the Subcommittee on progress made with upgrade of the Whirinaki Crescent stopbank.
- To obtain the Subcommittee's recommendation to increase the project budget, by \$38,000, to \$955,000.

### 2. Significance of the decision

The matters for decision in this report do not trigger the significance policy of the Council or otherwise trigger section 76(3) (b) of the Local Government Act 2002.

### 3. Background

The upgrade to the Whirinaki Crescent stopbank will provide the Hutt River Floodplain Management Plan recommended 2,300 cumec (440-year) standard of flood protection to the Whirinaki Crescent community. To construct the stopbank, land was acquired from both Silverstream St Patrick's College and the Royal Wellington Golf Club (RWGC).

In 2007, Council approved the project budget of \$917,000 prior to commencing stopbank construction (Report 07.239). Flood Protection's 2009 – 2019 Operating Plan provided for completing the stopbank upgrade by June 2009. However, the last 50 metres of stopbank could not be completed on time due to delays in obtaining resource consent to remove two protected trees.

### 4. Project status

The project has been implemented in three stages. Stages one and two are complete and stage three is in progress.

#### **4.1 Stages one and two: Main stopbank**

Stage one was completed in May 2007 and involved the upgrade of 175 metres of stopbank on the RWGC's boundary. Stage two was completed in June 2008 and involved the upgrade of the remaining 700 metres of stopbank from the RWGC to St Joseph's Home of Compassion. **Attachment 1** shows a plan of the completed and planned sections of the Whirinaki Crescent stopbank.

#### **4.2 Stage three: Wineglass subdivision connection**

In May 2009 resource consent to remove two protected trees was granted; the tree removal is necessary to facilitate stopbank construction. Through the resource consent process, the stopbank alignment was amended to address concerns raised by submitters and Upper Hutt City Council (UHCC). With the alternative stopbank alignment, only two protected trees, rather than five originally proposed, require removal. **Attachment 2** shows the stopbank footprint, and the protected trees to be retained and those to be removed.

A condition of the resource consent granted required the development of a planting plan for UHCC's reserve strip at the rear of numbers 10, 12 and 14 Whirinaki Crescent; this was to be done in consultation with those residents who submitted on our resource consent application, and UHCC as landowner. This plan has been developed and we are currently waiting for the formal approval from UHCC before we remove the two protected trees.

The remaining work to complete this stage will involve:

- Stripping the stopbank footprint and UHCC's reserve strip of existing vegetation.
- Establishing a temporary fence to safeguard protected trees from damage by machinery.
- Importing and compacting approximately 1,300 m<sup>3</sup> of quarry overburden to form the stopbank.
- Constructing 200 m of new drainage works at the rear of the stopbank on the residential boundary to alleviate runoff from the existing stopbank being experienced by residents.
- Planting of UHCC's reserve strip.
- Continued consultation with adjoining residents and major landowners.

Construction of the stopbank, and associated works, will be done by our own operations staff and will be completed by Christmas.

### **5. Project costs**

The stage one and two works were completed on time and under budget. However, stage three was delayed when the site on which the stopbank is to be constructed was rezoned as Residential Conservation and the tree removal,

which was previously permitted, became a discretionary activity requiring resource consent.

Total project expenditure to September 2009 is \$866,982. To complete the project, we have estimated the cost at \$88,122.50 (a break down of this figure is shown in **attachment 3**). This brings the estimated total project cost to \$955,000, an increase of \$38,000 from the current budget; this unforeseen increase is mainly due to:

- Costs associated with consultation, development of stopbank options, and gaining resource consent to remove two protected trees. These are estimated at \$36,000.
- Development of a planting plan and landscape planting of UHCC's reserve strip required by the resource consent at an approximate cost of \$10,000.
- Construction of drainage works at an approximate cost of \$6,500.

## **6. Project budget**

The total revised project cost is now \$955,000, with an approved budget of \$917,000, leaving a budget shortfall of \$38,000. The increased cost can be accommodated within existing 2009/10 Hutt River capital works budgets.

## **7. Communication**

Those residents who border the stage 3 construction site have already been advised of our construction programme. A further letter will be sent to these residents upon completion of this work.

## **8. Recommendations**

*That the Subcommittee:*

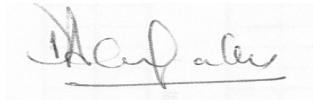
1. ***Receives the report.***
2. ***Notes the content of the report.***
3. ***Recommends to the Catchment Management Committee that the budget for the upgrade of the Whirinaki Crescent stopbank is increased from \$917,000 to \$955,000.***

Report prepared by:



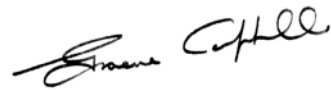
**Jacky Cox**  
Engineer

Report prepared by:



**Daya Atapattu**  
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Report approved by:



**Graeme Campbell**  
Manager, Flood Protection

Report approved by:



**Wayne O'Donnell**  
Divisional Manager,  
Catchment Management

- Attachment 1: Plan of the Whirinaki Crescent stopbank**
- Attachment 2: Plan of the Wineglass subdivision connection**
- Attachment 3: Cost estimate**