

Report 12.421

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Committee Hutt Valley Floodplain Management Subcommittee

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Pinehaven Stream Floodplain Management Plan-Preferred option combination for further investigation

1. Purpose

To identify, for the purposes of further consultation and development, a preferred option combination for the Pinehaven Stream Floodplain Management Plan.

2. The decision-making process and significance

Officers recognise that the matters referenced in this report may have a high degree of importance to affected or interested parties.

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.

2.1 Significance of the decision

Part 6 requires Greater Wellington 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 policy and decision-making guidelines into account. Officers recommend that the matter be considered to have low significance.

The identification of a preferred option combination for further investigation is of low significance because it does not commit the council to a package of works. It is intended that this decision will enable officers to:

- 1. Focus project resources and future consultation on the refinement of the preferred option combination.
- 2. Engage with the community, including those individuals who may be significantly affected by the preferred options, in continuing the development of this combination.

3. Report back to this committee, at a later date, on the further developed preferred option combination.

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

3. Background

The Pinehaven Stream Floodplain Management Plan is in the 'Define Risk and Treatment Options' phase. The detailing work has been completed on four option combinations developed to manage the flood risks of the Pinehaven Stream.

These option combinations were presented to the community at an open day on 18 July 2012.

Subsequent to the open day, community feedback was assessed and a preferred option combination identified by the project steering group. These preferences were based on a combination of community feedback, Upper Hutt City Council's target levels of service, and Greater Wellington Regional Council's floodplain management philosophy.

4. Preferred Option Combination Summary

The technical detail report, 'Pinehaven Stream Floodplain Management Plan: Phase 3 – Preferred Option Combination for further Investigation', has been prepared which contains details, costs and alternatives investigated during the development of flood risk management options. Copies of this report will be available at the meeting for Councillors.

The preferred option combination for further development takes into consideration concerns at an individual level, community level and regional level. The combination integrates both structural and non structural options to manage the continuum of flood risk, and implementation of a complete flood risk management package would be required to deliver acceptable floodplain management planning outcomes.

4.1 Preferred Options Combination for further investigation

The table below, extracted from the attached summary report, contains details of the preferred option combination for further investigation, including indicative cost estimates for structural options.

The combination aims to deliver a 1-in-100 year level of flood protection to all habitable property within the Pinehaven catchment, and provide the 1-in-25 year Upper Hutt City Council target channel capacity.

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Option	Description	Indicative Cost
Sunbrae Drive to Whitemans Road Option 1.1	25 year channel capacity to protect residential floor levels up to the predicted peak 100 year flood level. Key features: Concrete lined section through 8 Blue Mountains Road (Dutch Reformed Church)	\$3,400,000
	" Naturalised channel with suitable riparian planting for the remainder of the reach.	
	., New bridge at Sunbrae Drive (25 year capacity)	
	., Replacement of private bridge crossings	
	Upgrade of piped stream & bypass inlet structures	
	" Negotiation of access with properties heavily impacted by works	
	., Securing secondary flow paths through a lowered driveway and easement servicing 13/14/15 Clinker Grove.	
	" Securing secondary flow paths from Deller Grove through 6 Sunbrae Drive and 1 Tapestry Grove	
Pinehaven Road to Sunbrae Drive	25 year channel capacity to protect residential floor levels up to the predicted peak 100 year flood level. Key features: ., Concrete lined section from Pinehaven Road to 26 Blue Mountains Road	\$3,940,000
	" Naturalised channel with suitable riparian planting for the remainder of reach.	
	" Bridge at Pinehaven Road (25 year capacity)	
	., Replacement of private crossings	
	Blockage reduction measures at inlet structures at Wyndham Rd	
	Swale to capture secondary flow paths at 2 and 4 Pinehaven Road	

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Option	Description	Indicative Cost
Pinehaven Reserve to Pinehaven Road Hybrid	Hybrid option of a concrete lined 25 year channel capacity through the space restricted areas adjacent to Birch Grove, no channel capacity upgrades in the Pinehaven Reserve or 50 Blue Mountains Road and the construction of a naturalised channel diversion through 48 Blue Mountains Road.	\$1,750,000
	Key features:	
	" 25 year capacity concrete lined section through Birch Grove properties	
	" Naturalised channel through 48 Blue Mountains Road	
	" Minimal works in 50 Blue Mountain Road	
	" No work in Pinehaven Reserve	
	Secure secondary flow path by lowering driveway in Birch Grove in conjunction with upgrading stormwater network	
Upper Catchment	Secure flow paths & blockage reduction upgrades to facilitate long term improvements in the upper catchment	\$185,000
Option 4.1	" Set a minimum underside of deck level, channel width and required capacity for any new vehicle and pedestrian access structures.	
	" Blockage reduction measures at inlet structures at Chichester Drive	
	" Upgrade intake to culvert at Pinehaven Community Hall	
	" Modifications to road kerbs, road grading, crossings and driveways as well as easements to secure secondary overflow paths at the intersection of Jocelyn Cr and Pinehaven Rd (both Northern and Southern) and Forest Road and Pinehaven Rd.	
	" Information, education and enforcement of upgrades to nuisance flooding from private structures.	

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Catchment Wide Option 5.0	Work with Upper Hutt City Council to secure increased planning controls to help prevent increases in flood risk from new development. Example planning controls: " Identify flood zonings and introduce associated development and subdivision controls " Zone and control important secondary flow paths " Hydraulic neutrality or reduction in runoff requirements for new development
	Source control measures for new buildings such as attenuation of peak flows in the catchment using onsite rainwater tanks
	" Enforcement around nuisance flooding associated with private stream crossings
	" Review of landuse in the upper catchment including potential controls on forestry

Option	Description	Indicative Cost
Catchment Wide		
Option 5.0	Civil Defence and Emergency Preparedness: Identify and map flood hazard warning time zones, including at risk residential property and area response priority.	
	" Identify critical infrastructure and lifelines	
	., Identify flooding types (nuisance, hazard to services, pollution hazard, property and life)	
	Raise community awareness of civil defence centres, alerts and public warning systems.	
	" Investigation options for location of additional flow gauge and rain gauging stations.	
	., Incorporation in future regional flood warning system.	

5. Phase 3: the next stage of the process

The technical detail report 'Pinehaven Stream Floodplain Management Plan: Phase 3 – Preferred Option Combination for further Investigation' identified the process by which a preferred option has been selected by the Project Steering Group. A round of consultation will be undertaken with the community to confirm that their views have been taken into account correctly. Once we have this confirmation from the community, we will seek confirmation of the preferred combination of options for further detailed investigation from this committee at the November 2012 meeting.

The next stage of Phase 3 will entail further detailed investigations, refinement and community engagement with the purpose to seek Council approval by the end of June 2013.

6. Communication

A community open day was held on 18 July 2012.

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7. Recommendations

That the Subcommittee:

- Receives the report.
- 2. *Notes* the content of the report.
- 3. Approves further development of the preferred option combination.
- 4. Approves presentation of the preferred option combination to the community and continued community engagement during further refinement and development work.

by:

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