

# Catchment Specific Options

## LOWER WAIWHETU AND AWAMUTU

### S4 LOWER WAIWHETU STRUCTURAL OPTIONS

- Option 1:* 50 year, minimum in-stream work, maximum height of floodwalls and stopbanks
- Option 2:* 50 year, intermediate in-stream work and height of flood defences
- Option 3:* 50 year, maximum in-stream work (widening and deepening existing channel), minimum height of flood defences
- Option 4:* 100 year, *Option 3* with higher flood defences

### S5 AWAMUTU STRUCTURAL OPTIONS

- Option 1:* 50 year, divert upper catchment, pump station and floodgates at Waiwhetu confluence
- Option 2:* 50 year, divert upper catchment, floodgates at Waiwhetu confluence, use Hutt Park for storage
- Option 3:* 50/100 year, channel upgrades, culvert replacement, pump station and floodgates at Waiwhetu confluence
- Option 4:* 50 year, channel upgrades, culvert replacement, floodgates at Waiwhetu confluence, use Hutt Park for storage
- Option 5:* 50 year, partial catchment diversion, pump station York Park, discharging into Hutt Park
- Option 6:* pipe the Awamutu Stream (this was considered an no go option, as it goes against GWRC and HCC's policies and the vision and objectives of the WSWG for the Stream)

### S9 BRIDGE RAISING

Increase the area for water beneath bridges that impede flood flows by raising bridge spans or excavating into stream bed and banks.

- Ontrack Rail Bridge
- Wainui Road
- Bell Road
- Seaview Road
- White Lines East
- Hutt Park Bridge
- Port Road



White Lines East Road Bridge