



Tonkin & Taylor

Silverstream Landfill, Detention Dam, Upper Hutt

Client

Hutt City Council.

Project

The project involved investigation, design and construction supervision of a silt/flood detention dam at Silverstream Landfill, Upper Hutt, Wellington.

Extension of the landfill necessitated the de-commissioning of existing silt ponds and the construction of a new detention dam.

The project involved:

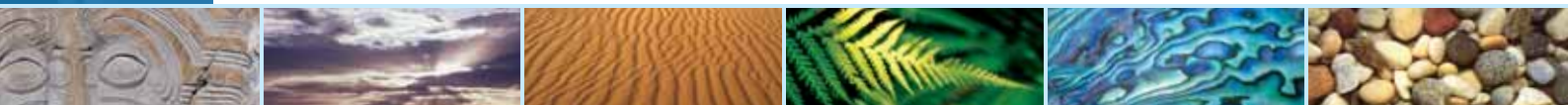
- Formation of an access road in the lower valley with cuts up to 30 m in height
- Realignment of the stormwater diversion channels and pipe work around the current and future stages of the landfill
- Realignment of leachate discharge pipe
- Identification of borrow sources for construction materials
- Construction of a 13 m zoned earth fill embankment with ancillary bell mouth intake and conduit, auxiliary spillway and plunge pool
- Construction of forebay rockbund
- Impoundment of a 200 m long pond with 40,000 m³ storage capacity.

Services provided

- Consents and consultation
- Investigation, design and construction management
- Environmental monitoring.



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