

## REFERENCE PROJECT

### Geotechnical Slope Stabilisation Works

Location: Fortification Road, Karaka Bay, Wellington  
Date: October 2018  
Client: Home owner  
Consultant: Tonkin & Taylor (Wellington Office)

A landslide behind the house in Karaka Bay posed a threat to the home. Abseil Access was awarded the project based on the EQC report to install 10 rock bolts supporting a reinforced rockfall mesh with geotextile layer (MacMatR) to retain the bank and prevent further rockfalls and erosion.

Access to the site was via a small funicular as well as small walkways.

The area was cleared of loose debris and undermined trees and vegetation. It was then re-profiled as required to fit into the garden layout. Trees and plants were left in place where possible to assist with making the area as neat as possible.

Galvanised 20mm Reid Bar anchors 4m long were installed into 75mm diameter holes for the main rock anchors with additional 12mm Reid Bar anchor pins to assist with retaining the perimeter of the Geofabrics erosion control mesh. Air powered Copco hand drills were used to drill the anchor holes. A 10mm diameter galvanized cable holds the mesh down onto the face by connecting it to the rock anchors.

The works were completed on time within budget. The works were done in accordance with the Engineers preliminary design, specifications and quality requirements.

