

# ABSEIL ACCESS LTD

## Reference Project

### Geotechnical – Rock Fall Protection

Location: Private residence, Days Bay, Wellington.

Date: August 2007

Client: House owners

Consultant: Abuild, Johnsonville



A recent slip and continuing rock fall threatened the north side and deck of this private residence. Various solutions were put forward and the final and most cost effective design involved an active net with a catch fence along the top edge.

The slip site is a 60 degree cliff and consists of highly broken and fractured greywacke. The work site was also directly above an existing deck and the busy Marine Drive Parade with pedestrian and vehicular traffic.

The project involved installation of 27 x 3m deep galvanised 30/11 Ischebeck anchors. Ischebeck drill systems proved excellent in coping with the variable nature of the ground.

Excellent corrosion resistance was paramount in this design. The netting is Maccaferri galvanised PVC coated double twist covering an area of 140m<sup>2</sup>. The fence posts are galvanised steel, epoxy painted with additional Denso Steelcoat 400 on abrasion points. All cables and fixing are 316 stainless steel.

The whole project was completed within the designated 4 week period with minimal disturbance for the owners and no damage to the existing property.



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