

ABSEIL ACCESS LTD

Reference Project

Geotechnical – Rock Fall Protection

Location: Private residence, Seatoun, Wellington

Date: February 2011

Client: House owners

Consultant: A Build, Johnsonville

Rock fall from a 20m high escarpment caused occasional damage and threatened this private residence. The catch fence option was chosen as the cliff was on another property.

The fence foundations are on previous slip debris at an angle of 45 degrees. Each of the 9 posts sits on 1m³ of concrete anchored with an Ischebeck 30/11 rock bolt drilled up to 7m deep. The posts are 2.5m high and anchored to an uphill RB16 rock bolt at the base of the cliff.

Excellent corrosion resistance was paramount in this design. The netting is Maccaferri galvanised PVC coated double twist covering an area of 70m². The fence posts are galvanised steel, triple epoxy painted with additional Denso Steelcoat 400 on abrasion points. All cables and fixings are 316 stainless steel.

25m³ of debris was hand removed from the site at the end of the works. The whole project was completed within the designated five-week period, with minimal disturbance for the owners and no damage to the existing property.



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