

Reference Project

Geotechnical Slope Stabilisation

Active slope stabilization on the steep face and recent slip behind residential property on Oriental Parade, Wellington

Location 158 Oriental Parade, Wellington
Date December 2019
Client Wellington City Council
Consultant Tonkin & Taylor

The recent slip and the resulting exposed slope put the residents in the property below at risk. Abseil Access Ltd won the tendering process for the slope stabilization project on Oriental Parade 158 to mitigate this risk.

The work included:

- 39x RB25 Rock Anchors up to 6m deep in 100mm holes
- 200m2 Maccaferri Steelgrid HR PVC100 and HR PVC30
- 200m2 of Biomac erosion matting and 50x soil filled hessian bags with plants to support growth on this steep slope
- 100kJ rockfall fence at the toe of slope with 5m deep 22mm steel cable strand anchors
- Hydroseeding
- 1.2m high pedestrian galvanized steel fence at the top of slope

The challenging access to the slope was managed using rope access techniques and creative rigging. Limited parking on a steep street and pedestrian traffic as well as residents in the property below had to be managed. The project was completed within budget fulfilling all QA and safety requirements of the client and the consultant.

