

## Reference Project

## Geotechnical Slope Stabilisation

### Geotechnical: Slope Stabilisation

<b>Location</b>	Kaiwharawhara Switchyard, Wellington
<b>Date</b>	February 2020
<b>Client</b>	Transpower
<b>Consultant</b>	Downer

A recent rockfall had damaged the fence and further rockfall threatened the high voltage terminals. Abseil Access Geotechnical Division was engaged by Downer's Group to install ground anchors and mesh adjacent to critical switchyard appliances.

The work included:

- Complying with Transpower switchyard safety procedures
- Shaping of the bank to improve the face profile.
- Drilling 100mm holes and installation of 25mm diameter glass reinforced plastic (GRP) anchors using a 5t digger as a drill vehicle.
- Installation of Geofabrics double twist PVC coated mesh.
- Developing an alternative methodology for the upper section when a suspected asbestos coated pipe was discovered in the area.

Abseil Access completed this scope within the allocated 2-week switchyard isolation period with no damage to the critical high voltage equipment. As result, Abseil Access have been requested to submit proposals to complete additional work which was outside of the original design.

