

# ABSEIL ACCESS LTD

## Reference Project

### Geotechnical – Drill and Blast

Location: Claverley Railway Cutting

Date: February 2008

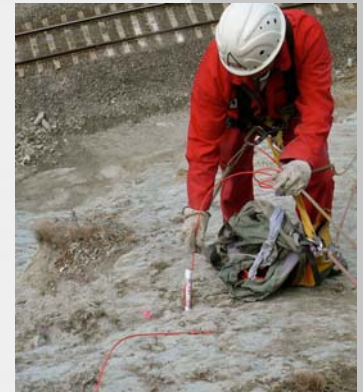
Client: Ontrack Infrastructure Ltd

This rail cutting is in a coastal location 30kms south of Kaikoura. The 50 degree face of interbedded mudstone rock extends 30m high above the Main North Line. Several areas of overhanging rock were identified as a potential threat to the railway line.

Abseil Access Ltd were contracted to inspect two areas and determine a suitable drill and blast pattern to remove the potential hazards. Also to rock scale unstable areas.

Four individually successful blasts were conducted. 50 x 40mm holes were drilled 1.2-1.6m deep with a 20kg hand air drill. Holes were plugged with 25mm Powergel cartridges and initiated with detonation cord. Zero delay between shots and tight stemming resulted in clean fractures. Angulation and positioning of the holes ensured a clean blast face was achieved requiring minimal scaling.

The project was completed within the allocated 5 day period.



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