

Case Study

CHURCH STREET, DUNEDIN - NEW ZEALAND

Consultant: GeoSolve Ltd
Main Contractor: Fulton Hogan
Sub Contractor: Earth Stability
Distributor: Cirtex Industries Ltd



PROJECT SPECIFICATION

The main trunk line running through Dunedin suffered a large slip, approximately 15m wide by 23m long, into the back of old railway buildings at the base of the slope. This caused the need for fast remediation to allow the track to be reopened. The track was realigned back from the edge of the slip as far as it could be immediately and speed restrictions were put in place. Once this was done work started immediately to stabilize the slip face and construct an MSE wall so the track realignment could return to its original position.

SOLUTION

Cirtex[®] was contacted by the engineer to provide a temporary works solution using Platipus Percussion Driven Earth Anchors (PDEA[®]) to stabilize the slip face. Cirtex[®] provided onsite support during the installation of the PDEA[®] systems to ensure the tight deadlines were achieved. These were installed by rope access teams who were themselves secured by Platipus S8 anchor systems. As these anchors could be installed without heavy installation equipment there was minimal disruption to the train service and the installers could work around the 11 KVA cable.



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