

CASE STUDY

WAINUIOMATA HILL SLIP REMEDICATION

✉ info@abseilaccess.co.nz

🌐 www.abseilaccess.co.nz



INTRODUCTION

Between May and August 2024, Abseil Access undertook critical slope stabilisation works on Wainuiomata Hill Road for the Hutt City Council, with ENGEO as the project consultant. This route is the only road link connecting the Wainuiomata community, making slope safety and reliability a top priority. The project aimed to restore long-term stability to the hillside through the installation of an anchored mesh system and associated remediation works, ensuring safer access for daily commuters and local residents.

PROCESS

The project began with site clearing, including de-vegetation and debris removal of loose material using a temporary mesh drape and catch-fence at road level. Trial anchors were installed and pull-out tested to verify ground conditions before the installation of production rock anchors. The team then installed Tecmat and Tecco G80/3 mesh systems to provide surface stabilisation, followed by hydroseeding to promote vegetation regrowth.

OUTCOME

The completed works significantly improved slope stability and reduced the risk of future slips. Through close coordination with the traffic management team, Abseil Access maintained effective safety controls, allowing the project to be completed with minimal disruption to road users and enabling the removal of a long-standing temporary safety barrier.

