MACCAFERRI

CASE HISTORY

Rev: 1, Issue Date 23.12.2024

AMPANG ROCK SLOPE BY MPAJ

AMPANG, ASEAN, MALAYSIA

Surface Strengthening and Support

Problem

A section of vertical slope at residential area was identified as high risk of rockfalls due to active development at the top of the slope. The slope situation is further worsened by factors i.e. rock weathering, presence of natural fractures or weak bedding planes and the rainy session. The slope which composed of weathered granite showed a sign of instability with frequent small rockfalls that hit the roof of houses below.

Solution

Steel grid SGHR 30 with anchors was proposed to address the rock slope instability issue. An estimated 1500m2 of the net was installed to strengthen and prevent detachment of loose rocks from the 18m - 20m height of slope. The rock bolts installed also increase the drapery stiffness by allowing the tensile stress developed within the net to be transferred and shared by the bolts

Client: MAJLIS PERBANDARAN AMPANG JAYA (MPAJ)

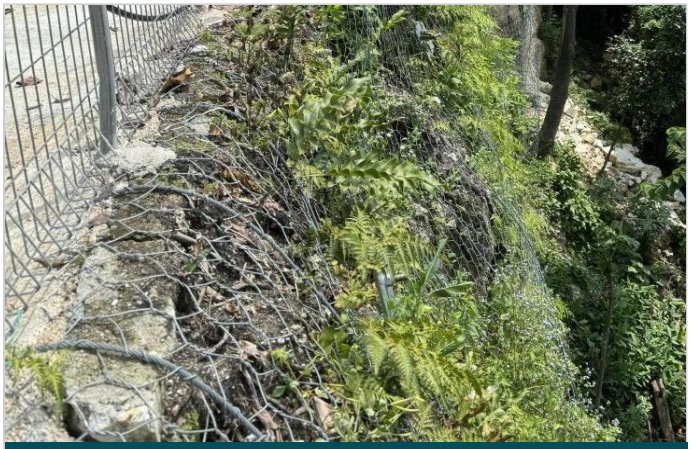
Designer / Consultant: MRSA ENGINEERING CONSULTANCY

Products used (Qty.)

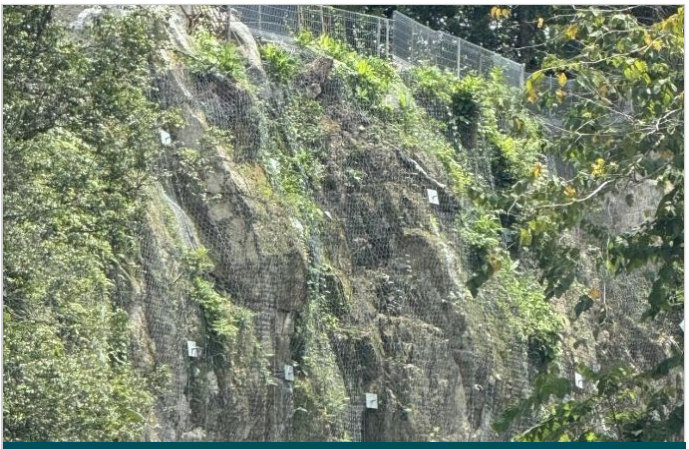
- Macarmour & Steelgrid 1500m2

Date of construction: 01/2024 - 04/2024

Google Maps Google Earth



Top View



Front view

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Top View



Top View

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