

DESIGN AND BUILD ROCKFALL BARRIER POS SLIM, MALAYSIA

ENVIRONMENTAL / ROCKFALL PROTECTION / ROCKFALL BARRRIER

Product: MACCAFERRI ROCKFALL BARRIER CTR

Problem:

The slope is located in a geo-morphologically unstable region and it consists of unstable rock and soil which are constantly exposed to erosion due to heavy rain. Lack of vegetation increases the risk of failure because there is nothing to restrain and hold the unstable rocky materials together. The effect of weathering in this extreme climate further exacerbates the fragmentation of the rock formations on the slopes. This exposed rocky slope poses a serious threat and a grave danger to all the road users at the foot of the hill.

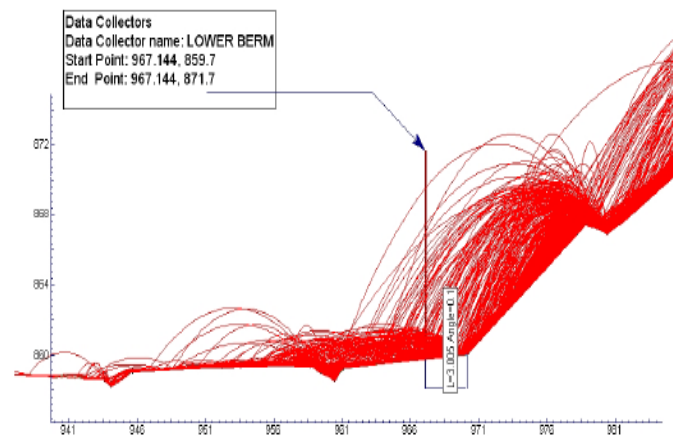


During construction

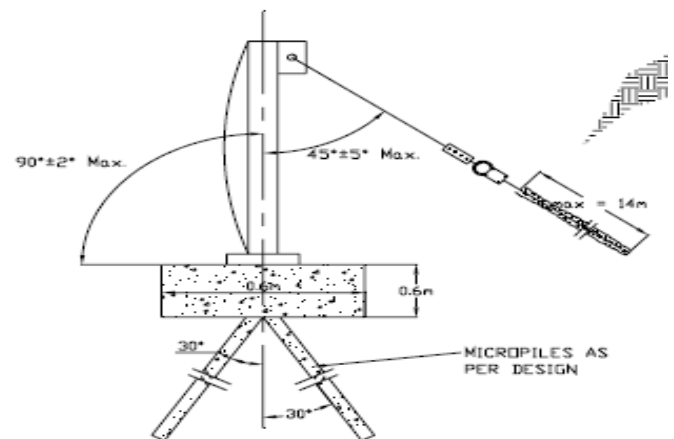
Solution:

Maccaferri Rockfall Protection System using rock fall barrier was proposed which consists of the following items:

- Posts
- Connection structures which act to transfer the energy to the energy dissipation devices
- Energy Dissipation Devices which help in the dissipation of the generated energy on impact.
- Intervention structure which acts to catch the falling rock mass
- Foundations and anchors



Design Analysis



Proposed Section

Client name:

KEMENTERIAN KERJARAYA

Main contractor name:

MTD CONSTRUCTION SDN BHD

Consultant:

ENGINEERING & ENVIRONMENT CONSULTANT

Product used:

CTR

MACCAFERRI



During Construction



After Completion

Maccaferri Asia

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