



Expert Advice Fill Slope Collapse in Hong Kong

Description of Work

A private Client has developed a new accommodation block in the eastern part of Central Hong Kong. During the site formation works there was a period of unusually heavy rainfall for that time of year that led to the collapse of a fill slope at the adjacent site where redevelopment was also in progress. As a result of the collapse, additional slope works were required to complete the project.

GCG (Asia) Ltd was commissioned to provide an expert view of the most probable cause of collapse of the fill slope on the adjacent development. As the works had been completed some time before this commission commenced, the assessment was based on the information available from a desk study. The bedrock in the area comprised predominantly Granite. The desk study carried out included assessment of rainfall records, old photographic records, construction records and the construction methodology. In addition, the design documents were reviewed.

The assessment revealed that the large volume of water involved was a key element in the cause of collapse of the slope.

Client: Confidential

Dates: 2003 – 2006

Estimated Project Cost:

n/a



Damage to Fill Slope



Completed Playground near to repaired slope