



Asia

## Penny's Bay Reclamation

### *Description of Work*

Penny's Bay Reclamation, Stage 1 is a 200ha reclamation constructed at Penny's Bay on Lantau Island that forms the land platform for Hong Kong Disneyland being. The project commenced on a fast track programme in late 1998 with the reclamation carried out between 2000 and 2003 involving the removal of up to 40 million cubic metres of soft marine deposits and the placement of over 60 million cubic metres of marine sand. The design was undertaken to stringent residual settlement criteria and the construction subject to the scrutiny of a geotechnical checker.

GCG (Asia) Ltd were employed to carry out an independent settlement assessment for the whole of the site based on the available CPT and borehole data records. Assessments covered both total and differential settlement. The review was presented in an analytical report at the time of detailed design and was used as the basis for checking the reclamation performance during construction.

**Client:** Civil Engineering  
Department

**Dates:** 1998 – 2003

**Estimated Project Cost:**  
HK\$ 4 billion



Close-up of western seawall



Aerial view of Penny's Bay during construction - looking east