



The Institute of Materials, Minerals and Mining
Hong Kong Branch
材料礦物及探礦學會
香港分會

Technical Visit to Landslide Preventive Works Site at Po Shan Road – Tunnelling by Non-Explosive Methods



TBM Setup in Po Shan Tunnel

Date, Assembly Time & Place

15 December 2007 (Sat); 9:30am

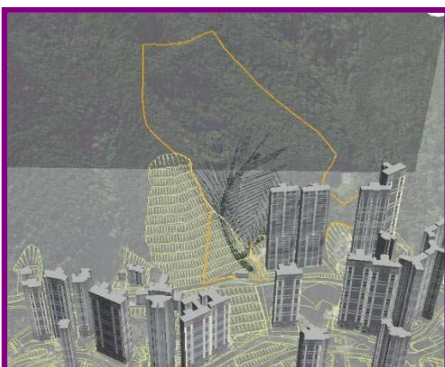
Maunsell Site Office, 18/F Tung Che Commercial Centre,
246 Des Voeux Road West, Sheung Wan, Hong Kong

Programme Highlights

Landslide Preventive Works at Po Shan Road, Mid-Levels have been carried out under Contract No. GE/2005/45 since the Contract started in July 2006. The main elements of the Contract include the construction of two underground drainage adits with 3.5m outer diameter and a total length of about 500m, a 5m high flexible barrier along the lower portion of the Po Shan Catchment, a series of sub-vertical drains, and some soil nailing works.

The drainage adits (i.e. Tunnels) are being constructed by drill & break method at the portal, and will be driven by TBM from the portal chamber. After completing the High Tunnel of 260m, the TBM will be retracted and re-orientated to excavate the Low Tunnel for another 180m. As no blasting is allowed to be used for the tunnel construction, the portal chamber and the launching chambers have been formed by another non-explosive “Drill & Break” method.

Comprehensive instrumentation and monitoring system has been provided on site, which includes a series of automatic groundwater monitoring stations, extensometers, inclinometer, etc. Engineers can make use of the data to closely monitor the environment during the construction and post-construction periods.



*Two Underground Drainage
Adits at Po Shan Catchment*

Registrations & Enquiries

The number of participants is limited to 25 numbers. Applications will be accepted on a first-come-first-served basis, and priority will be given to the members of IOM3. For registration, please complete and return the Reply Form to Ms. Janice Tam by Fax: 2730-7110 or Email: Janice.Tam@maunsell.aecom.com. Successful applicants will be notified about one week before the event via e-mail. For enquiries, please contact Mr. Y. C. Lam by email at Yik.Lam@maunsell.aecom.com.