

Execution of a 16.0 m excavation using a shoring system composed of top shoring and an anchored soldier pile wall associated to a top shoring system of nailed shotcrete wall.

TOTAL CONTRACT AMOUNT + VO's.: 1,475,431 USD

- The project was excavated by around 8 meters from natural ground level without any shoring when MGM took over. Some backfilling works were needed in some areas to prepare suitable working platforms for piling, soil nailing and shotcrete works.
- The typical soil profile consists of: top fill material, clay with cobbles and boulders followed by sandstone rock formation.
- The overall duration of the shoring works was 6 months.
- Cavity probing was done after reaching the bottom of excavation and some cavities were detected; grouting procedure was carried on to ensure that all cavities were filled by grout.



General View of Site Area

Client:	Trillium Development
Architect:	DNA
Structural Eng.:	Dr. Assad Kallassy
Main Contractor:	Dolmen Contracting
Sub-Contractor:	HOMEN

Main Quantities

3,495 lm of soldier piles
298 lm of capping beam
7,367 lm of Ground Anchors
528 lm of soil nailing
395 m ² of Shotcrete



Cavity probing works underway

