

Project Title : REMOVAL OF GRANITE MOLE AT MARINA BAY FOR URA

Owner : Urban Redevelopment Authority (URA)

Architect : URA

Engineer : URA

Client : Gammon Pte Ltd

Contract Sum : S\$ 320,000.00

**Period : Phase 1 – Apr 2007 to May 2007
Phase 2 – Feb 2008 to Mar 2008**

Scope of Works : Pre boring of 1500/1800mm diameter hole of depth 60mm to facilitate installation of 1800mm diameter casing as retaining wall for removal of mole

Bauer BG28 with winch system was able to carry out pre -boring with 1800mm diameter casing protruding up to 9m above working platform

Sub soil condition :

0 to 7/9m	Loose Sand Fill
7/9 to 16/35m	Soft Marine Clay
> 16/35m	Old Alluvium

Stabilization fluid : water

Major equipment deployed :

- Boring Rig Bauer BG28

provided by Gammon :

- Vibro hammer**
- Crawler Crane – 100 / 150ton**
- Excavator**

Tools :

- Boring Buckets & Augers

