

**Project Title : PROPOSED CROWNE PLAZA HOTEL AT CHANGI AIRPORT
TERMINAL 3**

Owner : LC Airport Hotel Pte Ltd

Architects : Woha Architects Pte Ltd

Engineer : RSP Architects Planners & Engineers (Pte) Ltd

Main Contractor : Lum Chang Building Contractors Pte Ltd

Contract Sum : S\$ 106,000.00

Period : Feb 2007 to Feb 2007

**Scope of Works : 2 nos of 1000mm diameter bored piles (pile length 43.5m)
4 nos of 700mm diameter bored piles for tower crane (pile length 25m)**

In view of the proximity to existing fly-over structure and site space constraints, the use of a crawler crane and vibro hammer were not feasible. All lifting was with boring rig's auxiliary winch and casing installation was by boring rig's rotary drive

**Sub soil condition : 0 to 9/10m Clayey Silt (Backfill)
> 9/10m Dense to V Dense Silty Sand (SPT 40 to 75)**

Stabilization fluid : nil (dry hole)

Major equipment deployed :

- Boring Rig : Soilmec R16
- Rotary drive adaptor for casing installation
- Excavator

Tools :

- Boring Bucket, Auger, & Cleaning Bucket
- Casing lengths bet 9 & 10m

Testing :

- PDA test

