

Project Title : ADDITIONS & ALTERATIONS TO EXISTING TAMPINES NORTH COMMUNITY CLUB, TAMPINES STREET 41

Owner : People's Association

Engineer : Hainal-Konyi (S) Pte Ltd

Architect : Architect Vista

Main Contractor : Top Global Ltd

Contract Sum : S\$ 173,500.00

Period : September 2004 to October 2004



**Scope of Works : 47 nos of 500mm diameter bored piles (lengths between 10 & 20m)
4 nos of 600mm diameter bored piles (lengths between 18 & 20m)
12 nos of 250mm diameter bored micropiles (length 12m)**

Site constraints :

- due to proximity of existing structure, casing installation by vibro was not allowed
- Mini micropile rig for limited access width of 2.3m

**Sub soil condition : 0 to 4/5m medium stiff to stiff silty clay
4/5 to 6/7m dense silty clayey sand
> 6/7m very dense silty clayey sand**

Stabilization fluid : Bored Pile – nil (dry), Micro pile - water

Major equipment deployed :

Bored Pile -

- Boring Rigs Soilmec R12
- 50 ton crawler crane
- Rotary drive adaptor for casing installation
- Excavator

Tools :

- Auger & bucket
- Casing lengths bet 4 & 6m

Bored Micro-Pile -

- Mini Micropile Rig U54



bored piles for building extension



micropiles for new lift