

**Project Title : 19 STOREY RESIDENTIAL BLOCK AT 23 JALAN RAJAH
(106 units) – THE VERVE**

Owner / Client : Ascend Land Pte Ltd

Architect : Place Architects

Engineer : Qi Ping / KKT Consultants

Contract Sum : S\$ 2,438,913.00

Period : Dec 2008 to Jun 2009



The Verve

Scope of Works :

- 21nos of 600mm diameter bored pile
- 2nos of 700mm diameter bored pile
- 2nos of 1000mm diameter bored pile
- 17nos of 1200mm diameter bored pile
- 11nos of 1400mm diameter bored pile
- 70nos of 1000mm diameter contiguous bored pile
- Removal of about 12 to 15 existing RC piles
- Pile lengths app. 25 & 35m with rock socketing into granite bedrock upto 3m

Sub soil condition :

0 to 2/4m	M Stiff to Stiff Clayey Silt
2/4 to 8/12m	Peaty / Marine Clay
8/12 to 14/16m	V Stiff to Hard Clayey Silt
> 14/16	Hard Clayey Silt
> 20/25m	Granite bedrock

Tools :

- Boring Bucket, Auger, Core Barrel, Rock Roller Bit Core Barrel, Chisel, & Cleaning Bucket
- Casing lengths 10/12m

Stabilization fluid : polymer

Major equipment deployed :

- Boring Rig Bauer BG28 & Soilmec R618
- Crawler Crane – 65 ton
- Excavator
- ICE 423C vibro
- Polymer plant

Pile Load Tests :

- Kentledge & PDA

