

**Project Title : PROPOSED CIRCLE LINE STAGE 4 & 5 – C854  
BUKIT BROWN STATION**

**Owner : Land Transport Authority**

**Engineer : CPG Consultants**

**Main Contractor : Taisei Corporation**

**Contract Sum : S\$ 422,000.00**

**Period : Sep 2005 to Jan 2006**

**Scope of Works : 62 nos of 1000mm diameter contiguous bored piles (CBP)  
31 nos of 350mm diameter micro pile king posts (MP KP)  
Pile lengths between 28 & 30m**

**Socketing 1.0m into G2/G3 granite (CBP)  
Socketing 8.0m into G2/G3 granite (MP KP)**

<b>Sub soil condition : 0 to 5/7m</b>	<b>Soft to Firm Clayey Silt / Silty Clay</b>
<b>5/7 to 18/22m</b>	<b>Stiff to V Stiff Sandy Silt</b>
<b>18/22 to 25/30m</b>	<b>Hard Sandy Silt</b>
<b>&gt; 25/30m</b>	<b>G2 / G3 Granite</b>

**Stabilization fluid : polymer**

**Major equipment deployed :**

- Boring Rig Soilmec R16
- Crawler Crane (50ton)
- Excavator
- Polymer Plant  
(mixer, pumps, water tanks, etc)
- Muller MS20 Vibro

**Tools :**

- Boring Bucket, Auger, Core Barrel  
Rock Roller Bit Core Barrel &  
Chisel
- Casing lengths bet 7 & 9m

**Micro Pile :**

- Casagrande C6
- Down the hole hammer

