

**Project Title : BUSPARK WITH ROOF TOP PLAYCOURTS TO EXISTING UNITED WORLD COLLEGE OF SOUTH EAST ASIA, DOVER RD**

**Owner : United World College of South East Asia**

**Architect : BLT Architecture & Design**

**Engineer : OGP Konsult Pte Ltd**

**Client : Brilliant General Building Construction Pte Ltd**

**Contract Sum : S\$ 785,286.00**

**Period : Jun 2009 to Oct 2009**

**Scope of Works : 136nos of 600mm diameter bored piles  
61nos of 800mm diameter bored piles**

**Pile lengths approximately 6 & 20m with socketing in fractured sandstone bedrock upto 5m**

**Sub soil condition :**

(profile after 2m overall site excavation)

<b>0 to 4/8m</b>	<b>Soft to V Stiff Sandy Silt</b>
<b>4/8 to 6/8m</b>	<b>V Stiff to Hard Sandy Silt</b>
<b>6/8 to 6/16m</b>	<b>V Dense Silty fine Sand</b>
<b>&gt; 6/16m</b>	<b>Fractured Sandstone</b>



**Stabilization fluid : nil**

**Major equipment deployed :**

- Boring Rigs Soilmec R618, R16 & Bauer BG28
- Crawler Crane – 55 ton
- Excavator
- ICE 423C vibro

**Tools :**

- Boring Bucket, Auger, Core Barrel, Rock Roller Bit Core Barrel, Chisel, & Cleaning Bucket
- Casing lengths 3/8m

**Pile Load Tests :**

- Kentledge & PDA

