

Project Title : MRT DOWNTOWN LINE PHASE 1 – C909 CHINA TOWN STATION

Owner : Land Transport Authority

Engineer : Meinhardt (Singapore) Pte Ltd

Main Contractor : Gammon Pte Ltd

Contract Sum : S\$ 4,205,802.00 (excludes steel reinforcement & steel sections)

Period : Feb 2008 to Sep 2009

**Scope of Works : 100 nos 1200mm diameter Tension & Compression Bored Pile with Plunged in Steel Columns
15 nos 1200mm diameter Pre-Bore Soldier Pile
23 nos 1000mm, 1200mm & 1500mm diameters Hard Hard Secant Pile Wall
*Working within MRTC's Reserves (North East Line) – chiseling & vibro not allowed***

Pile lengths between 25m & 40m socketing up to 5m into siltstone, sandstone & boulderly clay layers

Sub soil condition	: 0 - 2/5m	Fill
	2/5 - 10/20m	Peaty clay / marine clay
	10/20 - 18/30m	Sandy silt / clayey silt
	> 18/30m	Siltstone, Sandstone & Boulderly clay

Stabilization fluid : polymer

Tools :

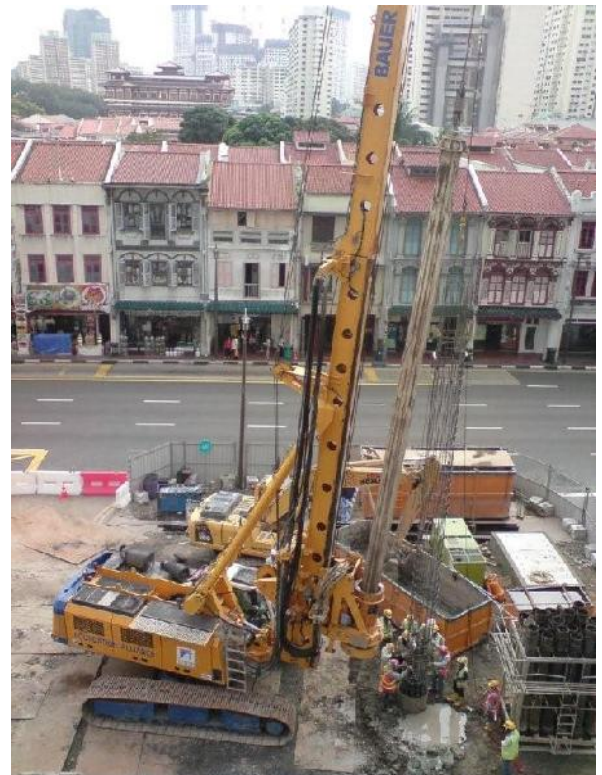
Major equipment deployed :

- Boring Bucket, Auger, Core Barrel, Roller Bit Core Barrel, & Cleaning Bucket
- Casing lengths bet 8m & 12m

- Boring Rig : Bauer BG28
- Rotary drive adaptor for casing installation
- Crawler crane
- Excavator

Testing :

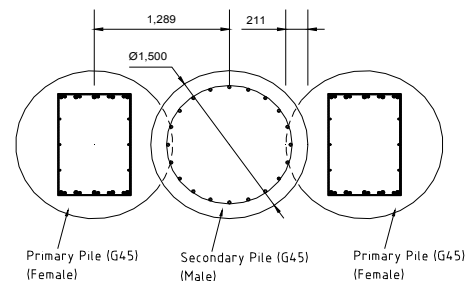
- Tension load test – upto 1000t
- PDA



Installing Ultimate Tension Pile



Groundbreaking Ceremony – DownTown Line Ph 1



1500mm diameter secant pile