

**Project Title : WIDENING OF CTE FROM PIE TO BRADELL INTERCHANGE
(CONTRACT ER 288)**

Owner : Land Transport Authority

Engineer : CPG Corporation Pte Ltd

Client : Or Kim Peow Contractors (Pte) Ltd

Contract Sum : S\$ 7,300,000.00

Period : Jul 2009 to Dec 2010

**Scope of Works : 73nos of 600mm diameter bored piles (Across Kallang River)
210nos of 700mm diameter bored piles
39nos of 700mm diameter bored piles
(some piles debonding due to DTSS tunnels)**

Pile lengths approximately 35 & 50m

Sub soil condition :
 0 to 2/4m **Fill**
 2/4 to 8/20m **V Soft Marine Clay / Peaty Clay**
 8/20 to 12/20m **Loose Silty Sand**
 12/20 to 20/35m **M Dense to Dense Silty Sand**
 > 20/35m **V Dense Silty Sand / Hard Sandy Silt**

Stabilization fluid : polymer

Major equipment deployed :

- Boring Rigs Soilmec R618 & R16
- Crawler Cranes – 55 ton
- Excavators
- ICE 423C vibros

Tools :

- Boring Bucket, Auger, Core Barrel,
& Cleaning Bucket
- Casing lengths 9/12m

Pile Load Tests :

- Kentledge, Tension Piles Reaction
method & PDA

