

Project Title : SOIL IMPROVEMENT FOR JACK-IN PIPE SHAFT AT PIE (EUNOS / BEDOK RESERVOIR)

Owner : Land Transport Authority

Engineer : Fong Consults

Main Contractor : Or Kim Peow Contractors (Pte) Ltd

Contract Sum : S\$ 87,000.00 (excludes materials)

Period : Nov 2004 to Dec 2004

Scope of Works : 20 nos of 900mm diameter secant pile wall of 7m length as ground improvement for jacking and receiving shafts

**Sub soil condition : 0 to 3/4m loose to m. dense sand
3/4 to 12m soft peaty / marine clay
> 12m loose sand**

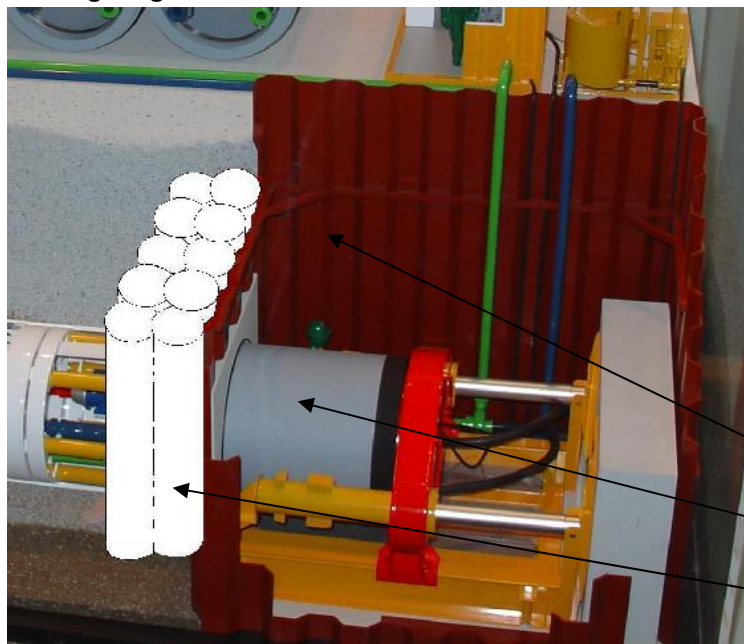
Stabilization fluid : nil (dry)

Major equipment deployed :

- Boring Rig Soilmec R16
- Rotary Drive Adaptor
- 900mm Double Wall Casing
- Excavator

Tools :

- Auger, bucket & core barrel
- Casing lengths bet 7.5 & 10m



MODEL OF JACK-IN SHAFT WITH SECANT PILE WALL AS GROUND IMPROVEMENT

sheet pile

jack-in equipment

Series of interlocking 900mm diameter secant piles to act as ground improvement for jack-in shaft opening