Object
Construction of foundation mats and basements of 4 condominium towers (50 stories each).

Project Description
Sheet pile wall with bracing for excavation up to -6.0m to construct 3.0m thick foundation mats and basements.

Type of Work
Deep excavation with temporary bracing, Civil Construction.

Owner
MR SUKHUMVIT Company Limited.

Designer
MEINHARDT (Thailand) LTD.

Project Schedule
2006–2007

Construction Method
- Braced excavation to -6.00m with temporary sheet pile wall using bottom up construction method.

Construction Details
Temporary bracing: 822 tons
Earth excavation: 42,000cu.m
Basement floor area: 5,150sq.m.

Subsoil Conditions
Soft clay: 0.0–12.0m
Medium clay: 12.0–16.0m
Stiff clay: 16.0–22.0m
Very stiff clay: 22.0–25.0m
Dense sand: 25.0–26.0m
Hard clay: 26.0–48.0m
Very dense sand: 48.0–55.0m

REFERENCES:
• General view of site (after Chad, skyscrapercity.com).
• Piling Plan.
• Rebar fixing for foundation mat in progress.
• No. 144, Prayasuren Road, Bangchan, Khlong Sam Wah, Bangkok 10510, Thailand. Tel. (662) 919-0090 to 97, Fax. (662) 919-0098, 518-3088. Email: seafco@seafco.co.th, Homepage: www.seafco.co.th.