Object
Construction of foundation mats, footings, deep basements for car parking and wastewater treatment tanks.

Project Description
Diaphragm wall with 2-3 levels temporary bracing for deep excavation up to –15.90m to construct 3.5 level basements for car parking.

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

Owner
B&G Park Company Limited.

Designer
Palmer and Turner (Thailand) Ltd.

Project Schedule
March 2005– November 2006

Construction Method
• Braced excavation to –15.90m with diaphragm wall using bottom up construction method.

Construction Details
Temporary bracing: 1,478 tons
Earth excavation: 54,000 cu.m
Basement floor area: 13,000 sq.m.

Subsoil Conditions
Soft clay: 0.0-14.0m
Medium clay: 14.0-15.0m
Stiff clay: 15.0-24.0m
Hard clay: 24.0-40.0m
Very dense sand: 40.0m+

REFERENCES:
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