Object
To improve shear strength of soft clay for excavation work using deep soil mixing method, soil-cement column construction.

Project Description
Up to –5.0m deep excavation in soft clay for construction of foundation footings and basements of the Next Condominium, Sukhumvit Soi 52.

Type of Work
Construction of block type soil retaining walls with soil-cement columns.

Owner
KD Asset and Development Company Limited.

Main Contractor
Built Right Co., Ltd.

Project Schedule
April-May 2008

Construction Method
• Mechanical Deep Soil Mixing

Construction Details
Soil-Cement Columns: 653 (φ0.8mx11m)
H Piles: H100x100-17.2kg = 5

Subsoil Conditions
Fill: 0.0-3.0
Soft clay: 1.5-11.0m
Medium clay: 10.5-16.0m
Stiff clay: 15.5-21.5m
Clayey fine sand: 21.0-25.0m

REFERENCES: