

GROUND IMPROVEMENT

Lotus Hotel Ground Enhancement Works

Underpinning of existing basement

HOTELS & LEISURE • TUBE A MANCHETTE (TAM) GROUTING • MICRO-PILING



Client
Wasl LLC

Consultant
WSP Middle East

Main Contractor
NSCC International

Location
Dubai, UAE

Start Date
April 2016

Completion Date
November 2016

Project Details

Micropiles
Length : 15 m
Number of piles : 312
Total length drilled : 4,680 m
Cement : 233.5 tons

TAM Grouting
Grouting pipes : 582 nos.
Pipe length : 3.5 - 4.5 m
Total length installed : 2,132 m
Cement : 262.6 tons
Through the TAM valves 136,609 litres of grout were permeated through the surrounding soil.

Area of treatment : 1,832 m²