

FOUNDATION ENGINEERING

Maram Residence

Burj Khalifa District

RESIDENTIAL • LUXURY • SECANT PILED WALLS • I-BEAM SHORING • GROUND ANCHORS • ROTARY BORED PILES



Client

Maraya Residence LLC (Dubai Properties)

Consultant

LACASA

Main Contractor

NSCC International

Location

Dubai, UAE

Start Date

September 2014

Completion Date

March 2015

This luxury residential development will offer a range of luxurious apartment and penthouse options with panoramic views of Dubai, overlooking the distinguished Business Bay and the prestigious Burj Khalifa district.

Project Details

Secant Piled Wall

Perimeter	: 171 LM
Retained height	: 6 m - 7.5 m
Shoring piles	: 349 nos.
Pile details	: 600 mm dia. @ 500 mm c/c, 12 m long

Ground Anchors	: 86 nos.
I-Beam shoring	: 88 nos.

Main Piles

1000 mm dia. piles	: 48 nos., to a depth of 20 m
1200 mm dia. piles	: 247 nos., to a depth of 20 m
Total length drilled	: 5000 LM

Concrete volume	: 6,365 m ³
Reinforcement steel	: 345 tons
Excavation volume	: 48,980 m ³