

## FOUNDATION ENGINEERING

# Dubai Hills Estate Regional Mall

## Mohamed Bin Rashid City

RETAIL • ICONIC • PILED FOUNDATIONS • ROTARY BORED PILES



### Client

Emaar Properties PJSC

### Consultant

Holfords

### Main Contractor

NSCC International

### Location

Dubai, UAE

### Start Date

December 2016

### Completion Date

August 2017

### Project Details

#### Main Piles

1000 mm dia. piles : 1,970 nos., to depths of 12.4 to 25.4 m

1200 mm dia. piles : 1,625 nos., to depths of 14.4 to 19.4 m

Total length drilled : 59,957 LM

Static pile load tests : 36 nos.

Dynamic load tests : 180 nos.

Sonic coring tests : 539 nos.

Integrity tests : 3,595 nos.

Calliper logging tests : 359 nos.

Concrete volume : 61,285 m<sup>3</sup>

Reinforcement steel : 6,653 tons

Excavation volume : 377,248 m<sup>3</sup>

Spread over an area of 1.8 million square feet, this regional mall is located in the prestigious 11 square kilometre Dubai Hills Estate 'city-within-a-city'.