

## FOUNDATION ENGINEERING

# Dubai Water Canal - Safa B

## Mixed Use Development

COMMERCIAL - MIXED-USE • ROTARY BORED PILES • SECANT PILED WALLS



**Client**  
Meydan Group LLC

**Consultant**  
AE7

**Main Contractor**  
NSCC International

**Location**  
Dubai, UAE

**Start Date**  
July 2017

**Completion Date**  
April 2018

### Project Details

#### Rotary Bored Piles

1000 mm dia. piles : 863 nos., to depths of 17 m to 27 m  
Total length drilled : 17,201 LM

#### Secant Piled Walls

Perimeter : 496 m & 790 m  
Retained height : 8.625 m  
750 mm dia. piles : 819 nos. @ 625mm c/c spacing  
1000 mm dia. piles : 54 nos. @ 750 mm c/c spacing  
Total length drilled : 13,968 LM

**Strutting Systems** : 800 mm, 863.6 mm, 1050 mm,  
1100 mm and 1422.4 mm dia.

Concrete volume : 31,580 m<sup>3</sup>  
Reinforcement steel : 3,750 tons  
Excavation volume : 193,950 m<sup>3</sup>

Located on the south side of the Dubai Water Canal, Safa B mixed-use development has a total gross floor area of 71,344m<sup>2</sup>, comprising retail and residential units.