

# FOUNDATION ENGINEERING

## Vida Residences

### Downtown Dubai

RESIDENTIAL • LUXURY • DIAPHRAGM WALLS • GROUND ANCHORS • ROTARY BORED PILES



**Client**  
Emaar Properties

**Consultant**  
NORR

**Main Contractor**  
NSCC International

**Location**  
Dubai, UAE

**Start Date**  
April 2015

**Completion Date**  
November 2015

Vida Residence Downtown Dubai will be a 57-storey luxury serviced residence, linked directly to Vida Downtown Dubai, a stylish hotel opposite Souk Al Bahar.

#### Project Details

##### Diaphragm Wall

Length of wall : 319 m  
Retained depth : 14.05 - 15.23 m  
Thickness of wall : 800 mm  
Anchors : 217 nos.  
Struts : 9 nos.

##### Main Piles

1000 mm dia. piles : 39 nos., 23 m deep  
1500 mm dia. piles : 171 nos., 35.5 m deep  
1500 mm dia. piles : 26 nos., 47 m deep

Excavation volume : 89,428 m<sup>3</sup>  
Concrete volume : 18,739 m<sup>3</sup>  
Reinforcement steel : 2,042 tons