

# FOUNDATION ENGINEERING & GROUND IMPROVEMENT

## Visa CEMEA Headquarters

### Dubai Media City

RESIDENTIAL • DIAPHRAGM WALLS • ROTARY BORED PILES • GROUND ANCHORS



#### Client

Sweid & Sweid

#### Consultant

Brewer Smith Brewer Gulf (BSBG)

#### Main Contractor

NSCC International

#### Location

Dubai, UAE

#### Start Date

October 2019

#### Completion Date

March 2020

#### Project Details

##### Diaphragm Walls

Perimeter : 237.56 m  
Retained height : 21.5 m, 23.5 m & 27.5 m  
Thickness of wall : 800 mm  
Concrete volume : 4,643 m<sup>3</sup>  
Reinforcement steel : 260 tons

Excavation volume : 44,337 m<sup>3</sup>

Ground anchors : 180 nos. 4-strand, 103 nos. 5-strand,  
264 nos. 6-strand

##### Main Piles

1200 mm dia. piles : 9 nos., to depths of 25 to 30 m  
1000 mm dia. piles : 97 nos., to depths of 22 to 39 m  
Total length drilled : 2,863 LM  
Concrete volume : 1,376 m<sup>3</sup>  
Reinforcement steel : 309 tons