

## FOUNDATION ENGINEERING

# Royal Pearls Residential Community

## Meydan City Development

RESIDENTIAL • COMMERCIAL • RETAIL • ROTARY BORED PILES • SECANT PILED WALLS



### Client

Oriental Pearls Investment

### Consultant

CONIN

### Main Contractor

NSCC International

### Location

Dubai, UAE

### Start Date

November 2016

### Completion Date

July 2017

### Project Details

#### Main Piles

|                      |             |                            |
|----------------------|-------------|----------------------------|
| 600 mm dia. piles    | : 266 nos.  | Drilling depth : 22 - 25 m |
| 800 mm dia. piles    | : 362 nos.  | Drilling depth : 22 - 25 m |
| 1000 mm dia. piles   | : 476 nos.  | Drilling depth : 22 - 25 m |
| Total length drilled | : 25,929 LM |                            |

#### Secant Piled Walls

|                      |            |
|----------------------|------------|
| Perimeter            | : 198 m    |
| Retained height      | : 12 m     |
| Thickness            | : 750 mm   |
| Shoring piles        | : 330 nos. |
| Total length drilled | : 3,960 LM |

|                     |                          |
|---------------------|--------------------------|
| Concrete volume     | : 16,500 m <sup>3</sup>  |
| Reinforcement steel | : 1,360 tons             |
| Excavation volume   | : 170,000 m <sup>3</sup> |

This premier residential development is located on 460,000 sqm plot with a total GFA of approximately 900,000 sqm. It comprises a gate building, two signature towers and 18 mixed use, commercial and residential buildings, with retail and recreational facilities.