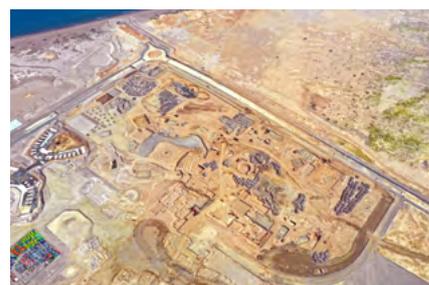


# FOUNDATION ENGINEERING & GROUND IMPROVEMENT

## A'Sharq RDE, Theme Park & Water Park

### Soil Improvement & Earthworks

HOSPITALITY & LEISURE • CFA PILES • RIGID INCLUSIONS • VIBRO COMPACTION



#### Client

Kayan Al Omaniya Contracting Company  
(SAOC)

#### Consultant

AECOM Middle East Consultant Engineer LLC

#### Main Contractor

NSSC International

#### Location

Barka, Oman

#### Start Date

February 2021

#### Completion Date

December 2021

#### Project Details

##### Rigid Inclusions (RI)

450 mm dia. columns : 3058 nos.

RI column length : 8 - 12.3 m

Grid spacing : 4 m

Total length drilled : 30,583 LM

Concrete volume : 4,864 m<sup>3</sup>

##### Vibro Compaction

Depth of treatment : 8.714 & 9.422 m

Grid spacing : 2.5 - 3.5 m

Volume of treatment : 171,707 m<sup>3</sup>

##### Continuous Flight Auger (CFA) Piles

750 mm dia. : 397 nos., to a depth of 10 - 12.3 m

900 mm dia. : 4 nos., to a depth of 12.6 m

Total length drilled : 4931.8 LM

Concrete volume : 2,119.9 m<sup>3</sup>

Reinforcement steel : 124.35 tons

Excavation volume : 32,022 m<sup>3</sup>

Backfilling : 275,179 m<sup>3</sup>