

FOUNDATION ENGINEERING

Reem Hills

Phase 2D

RESIDENTIAL • LUXURY • RETAIL • CONTINUOUS FLIGHT AUGER (CFA) PILES



Client

Q Properties

Consultant

Engineering Consultants Group (ECG)

Main Contractor

NSCC International

Location

Abu Dhabi, UAE

Start Date

February 2024

Completion Date

October 2024

Project Details

Reem Hills is a new freehold community with a canal and plenty of beaches, located on a man-made hill, on the beautiful Al Reem Island. The development will include luxury villas, residential apartments, retail outlets and other community amenities.

CFA Piles

600 mm dia. piles : 1,237 nos., drilled to depths ranging from 12.5 to 16.8 m

900 mm dia. piles : 2,741 nos., drilled to depths ranging from 14.5 to 18 m

1000 mm dia. piles : 536 nos., drilled to depths ranging from 15.3 to 17.09 m

Total length drilled : 64,989 LM

Concrete volume : 45,135.5 m³

Reinforcement steel : 1,967.75 tons

Excavation volume : 10,500 m³

Backfilling : 206,000 m³