

FOUNDATION ENGINEERING

Crown Prince Court

Khalifa City (A) Plot Nos. C54 to C67

COMMERCIAL - MIXED-USE • ROTARY BORED PILES • SECANT PILED WALLS • GROUND ANCHORS • STRUTS



Client

Abu Dhabi Crown Prince Court

Main Consultant

ADCE & APG

Main Contractor

NSCC International

Location

Abu Dhabi, UAE

Start Date

December 2016

Completion Date

December 2017

Project Details

Rotary Bored Piles

900 mm dia. piles : 1,218 nos. to a depth of 8 m
900 mm dia. piles : 234 nos. to a depth of 10 m
750 mm dia. piles : 93 nos. to a depth of 6 m
Total length drilled : 16,878 LM

Secant Piled Walls

Perimeter : 1,385 m
Retained height : 8.35 m
750 mm dia. piles : 2,084 nos. @ 650 mm c/c spacing
Total length drilled : 27,477 LM

Ground anchors : 694 nos.

Strutting System : 33 nos. of 700 OD mm dia. pipes

Concrete volume : 21,925 m³
Reinforcement steel : 2,753.46 tons
Excavation volume : 336,240 m³