FOUNDATION ENGINEERING Doha Metro Green Line - Al Rayyan/C-Ring (The White Palace) Station

TRANSPORT-RAIL • CONTIGUOUS PILED WALL • SOLDIER PILES • GROUND ANCHORS • SHOTCRETING • WEEP HOLES









Client Qatar Railways Company

Consultant DB International GmbH

Main Contractor Porr-SBG-HBK Joint Venture

Location Doha, Qatar

Start Date April 2014

Expected Completion Date April 2016

Project Details

The Al Rayyan/C-Ring Station is the largest station along the Green Line and also serves as an interchange for the Blue Line crossing. The enabling works awarded to NSCC for this site makes up approximately 28% of the entire works required for the Green Line.

Contiguous Piled Wa Perimeter (Type 1) No. of piles Retained depth Pile details	: 32 m : 16 nos.
Perimeter (Type 2) No. of piles Retained depth Pile details	: 720 m : 360 nos. : 17 m - 27 m : 1000 mm dia.@ 2000 mm c/c, 20m - 35m long
Perimeter (Type 3) No. of piles Retained depth Pile details	: 112 nos.
Ground Anchors	: 2,455 nos.
Concrete volume Reinforcement steel Shotcreting works Weep holes, 3" dia. Protective netting	: 9,400 m ²

