

GROUND IMPROVEMENT

Meraas' Bluewaters Coastline 132/11kV Substation

RESIDENTIAL • RETAIL • STONE COLUMNS (VIBRO REPLACEMENT)



Client
DEWA

Consultant
Ennergoprojekt Entel

Main Contractor
Emirates Electrical Engineering (EEE)

Location
Dubai, UAE

Start Date
October 2014

Completion Date
November 2014

Project Details

The scope of works includes vibro replacement works via installation of stone columns, to enable the construction of a 132/11kV Substation for DEWA.

Method	: Wet Top Feed
Stone columns	: 735 nos.
Stone columns diameter	: 1,000 mm
Depth	: 12 m
Total linear metre	: 8,700 m
Volume	: 20,280 cubic metres
Area of treatment	: 1,690 m ²
Equipment used	: 1 no. Vibroflot B27

Located off the Jumeirah Beach Residence coastline, Bluewaters by Meraas Development will feature a boutique five-star hotel, luxury residences and retail stores encircled by a promenade that will boast alfresco dining outlets. A 210-meter Ferris wheel will serve as the centrepiece of the island project, offering breathtaking views of Dubai's coastline and iconic landmarks.