

FOUNDATION ENGINEERING

Velodrome

Al Hudayriyat Island (West)

HOSPITALITY & LEISURE • SPORTS FACILITIES • DOUBLE ROTARY BORED PILES



Client

Modon Properties PJSC

Consultant

Ellisdon

Main Contractor

Trojan General Contracting LLC

Location

Abu Dhabi, UAE

Start Date

March 2023

Completion Date

April 2023

Project Details

The Velodrome is to be a stadium which holds a banked cycle-racing track used for racing events, with a seating capacity of 3,500.

Rotary Bored Piles

1000 mm dia.	: 752 nos. drilled to depths ranging from 5.4 m to 12.6 m
800 mm dia.	: 113 nos. drilled to depths ranging from 6.2 m to 7 m
Total length drilled	: 6,974.1 LM
Static pile load tests	: 20 nos.
Integrity tests	: 865 nos.
Sonic coring tests	: 142 nos.
Concrete volume	: 6,062 m ³
Reinforcement steel	: 688 tons