

TERAMESH WALL FOR NOMAS MOUNTAIN DEVELOPMENT

Jeddah - Saudi Arabia



TERAMESH WALL FOR NOMAS MOUNTAIN DEVELOPMENT

TYPE OF PROJECT

Mass Gravity Retaining Walls

YEAR OF CONSTRUCTION

2015

CLIENT

Ministry Of Transport

CONTRACTOR

Al Mufrif Contracting Company

DESIGNER

Maccaferri

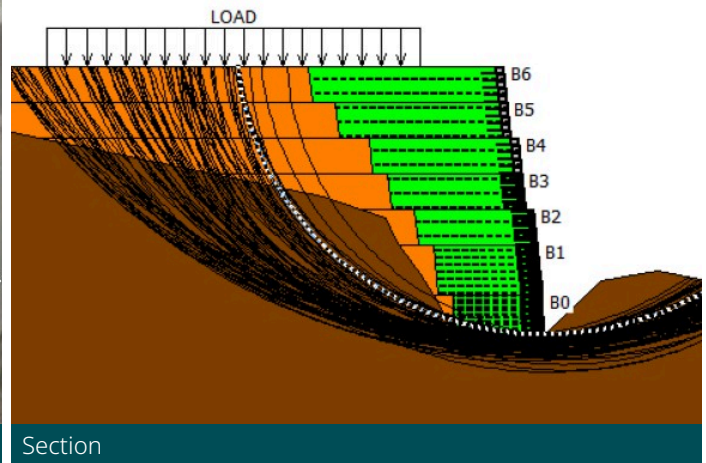
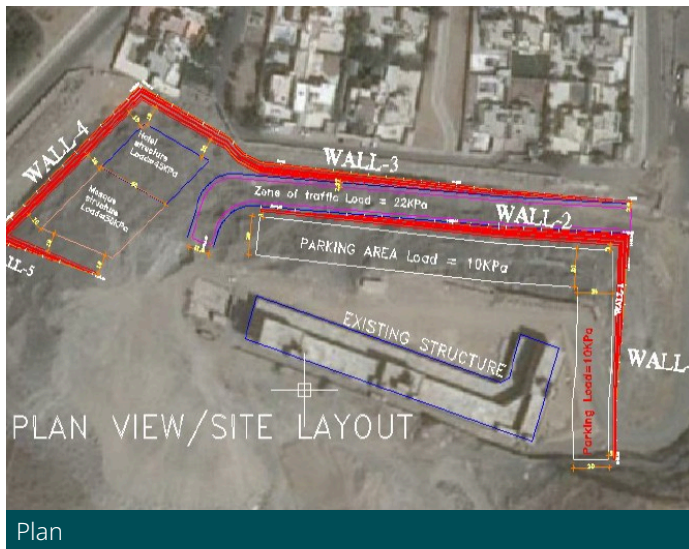
PROD. RELATED

TerraMesh (19,000 M2)

Challenge

The proposed Nomas Mountain Development project is located in the Al Amir Fawaz district of Jeddah, south of Makkah Al Mukarramah Road. The site is situated on a northern promontory of a range of hills to the south. The project development plateau is situated at the top of the hill at an elevation of approximately 106m above

Datum (AD) with the base of the hill being at an elevation of approximately 76m AD. The project site was approximately 250m long (east to west) and 60m wide (north to south). A large L- shaped building is located along the southern boundary of the site.



Solution

In order to attain a flat formation at the uphill area of the project site that is required for the proposed development, a series of retaining walls were required, up to a maximum height of 38m. Maccafferri's proposal of ParaMesh wall was approved by the client from

various other proposals, finding the ParaMesh wall was more economical, flexible and its simplicity of installation. The proposed ParaMesh wall is estimated to be between 400m and 500m long and up to 38m high at the junction of wall-2 & wall-3 (refer plan view).





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