

BLACK MOUNTAIN GOLF COURSE

AMPHUR HUAHIN, PRACHUABKHIRIKHAN PROVINCE, THAILAND

Slope Protection

Problem

The Black Mountain Golf Course is constructed in hilly area of Prachuabkhirikhan province. The main attraction of the golf course includes man made ponds located beside the fairway. A durable retaining wall is required to support the embankment and at the same time the structure must be flexible so that the retaining wall can be constructed as per the proposed alignment of the pond. The structure must also be able to withstand aquatic environment for a long period of time. The most important criteria is that the final look of the completed structure must be pleasant looking and blend with the surrounding landscape.

Solution

After considering all the options, finally the client had accepted Maccaferri Gabion Retaining Wall as the best solution. Not only the gravity wall constructed using gabions are economical and easy to install, it also fulfill all other conditions set by the client. A 2 m high wall was constructed around the pond using 2 x 1 x 1 gabion box. The Galmac coated wire mesh was proposed to give additional life span to the gabion box in aquatic condition. The other advantage of gabion retaining wall besides aesthetic look is that in some condition, green facing is possible when vegetation starts to grow through the aperture of the wire mesh.

Client: THAI NORDIC PROPERTY

Designer / Consultant: THAI NORDIC PROPERTY

Contractor: THAI NORDIC PROPERTY

Products used (Qty.)

- Gabion 1,200 nos

Date of construction: 04/2008 - 07/2008



Before construction (April 2008)



During construction (June 2008)



During construction (July 2008)