

FONTE DI VERSAILLES COASTAL PROTECTION

Brgy. Minglanilla, Cebu City, Philippines

ENVIRONMENTAL / GEOTECHNICAL / COASTAL PROTECTION
Products: Maccaferri Gabions, Reno Mattresses, MacTex Nonwoven Geotextile

Problem

Paramount Property Ventures Inc., one of Cebu's finest and reputable names in property development constructed a nine-hectare modern and Italian-inspired beachfront community along the Coast of Tulay, Brgy. Minglanilla, Cebu City — the FONTE DI VERSAILLES.

The beachfront area is fronting the Island province of Bohol, and its beachfront poses threat of scouring and erosion due to waves, storm surges, and tidal changes. A coastal protection system to safeguard and protect the community was needed, also to maintain the beachfront.

Solution

The Owner (Paramount) agreed that a coastal defense retaining wall structure made of Maccaferri gabions and Reno mattresses was the ideal solution on account of flexibility, natural drainage property, ease of installation, structural integrity, economy, and its ability to blend perfectly with the surrounding.

The great flexibility of this type of structure allows it to be placed even on sandy soils as it tolerates certain amount of deformation. Also, the porous nature of the structure helps in creating a 'wave-absorbing' mechanism, thereby reducing impact of waves on the whole system.

Project Owner

Paramount Property Ventures Inc.

General Contractor

Paramount Property Ventures Inc.

Consultant

Maccaferri Products

3,600 cu.m. Maccaferri Gabions
700 cu.m. Reno Mattresses
8,800 sq.m. MacTex Nonwoven Geotextile

Construction Info

Start of Construction : August 2010

Completion Date : October 2010



Before Construction

April 2008



During Construction

August 2010

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Minglanilla, Cebu, Philippines

MACCAFERRI



Near Completion

December 2008



Near Completion

December 2008

MACCAFERRI (PHILIPPINES), INC.

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Engineering a Better Solution

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Minglanilla, Cebu, Philippines

MACCAFERRI



Near Completion

September 2009



Near Completion

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