

STERLING MANORS SLOPE PROTECTION

Imus City, Cavite, Philippines

ENVIRONMENTAL / RETAINING WALL / SLOPE PROTECTION**Products: Maccaferri Gabions, Reno Mattress & MacTex Nonwoven Geotextile****Problem**

A classic of English style and elegance subdivision is to be constructed by CitiHomes Builders and Development Inc. in the developing city of Imus, Cavite, Philippines — the Sterling Manors Subdivision.

A 5m-high slope is located at the east perimeter of the subdivision, adjacent to a creek. During rainy season, the water level in the creek reaches up to 3 meters in height, which causes scouring at the base of the slope and a number of landslides. This problem must be solved to ensure safety of structures close to the creek.

Solution

The Owner/Contractor asked the assistance of Maccaferri (Philippines), Inc. for a cheap and suitable slope protection system.

A gravity retaining wall structure using Maccaferri gabions was proposed and due to its economical benefits and structural integrity, the Owner/Contractor approved the system.



Before Construction

November 2007

Project Owner

CitiHomes Builders & Dev't. Inc.

General Contractor

CitiHomes Builders & Dev't. Inc.

Consultant

CitiHomes Builders & Dev't. Inc.

Maccaferri Products

2,560.00 cu.m. Maccaferri Gabions
4,480.00 sq.m. MacTex Nonwoven Geotextile

Construction Info

Start of Construction : April 2008

Completion Date : February 2009



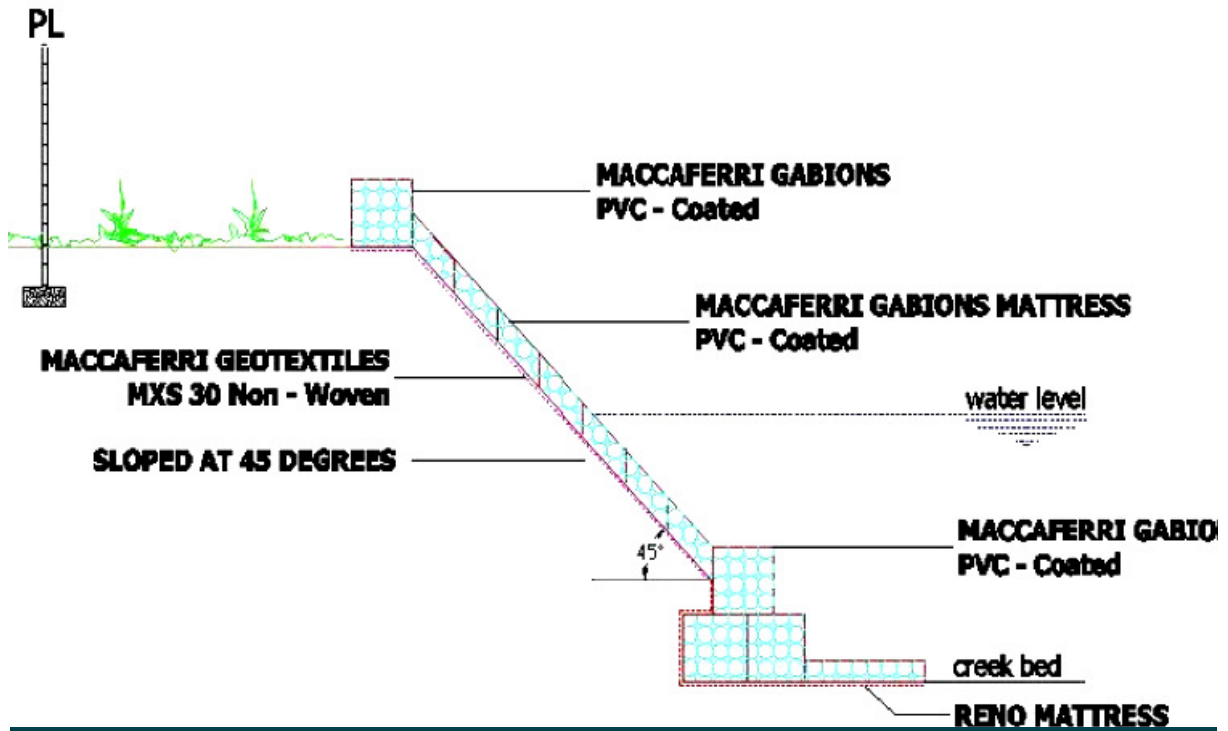
Before Construction

March 2008

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MACCAFERRI



Proposed Section



Project Completed

February 2009

MACCAFERRI (PHILIPPINES), INC.

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Engineering a Better Solution