

STERLING MANORS
IMUS CITY, CAVITE, REGION IV-A, PHILIPPINES

Channelling Works

Problem

Sterling Manors is a classic of English style and elegance residential subdivision developed by CitiHomes Builders and Development, Inc. in the city of Imus, Cavite, Philippines.

During rainy season, the water level in the creek reaches up to three meters in height, which causes scouring at the base of the slope. A 5m-high slope at the east perimeter of the Sterling Manors and adjacent to a creek has been eroded. The slope must be rehabilitated immediately to ensure safety of structures near the creek.

Solution

Maccaferri engineers recommended a cheap and suitable hydraulic works protection that addressed scouring and erosion of the concerned slope. A channeling protection using Maccaferri gabions was proposed, and due to its economical benefits and structural integrity, the system was accepted.

Client: CitiHomes Builders & Dev't. Inc.

Designer / Consultant: CitiHomes Builders & Dev't., Inc.

Contractor: CitiHomes Builders & Dev't., Inc.

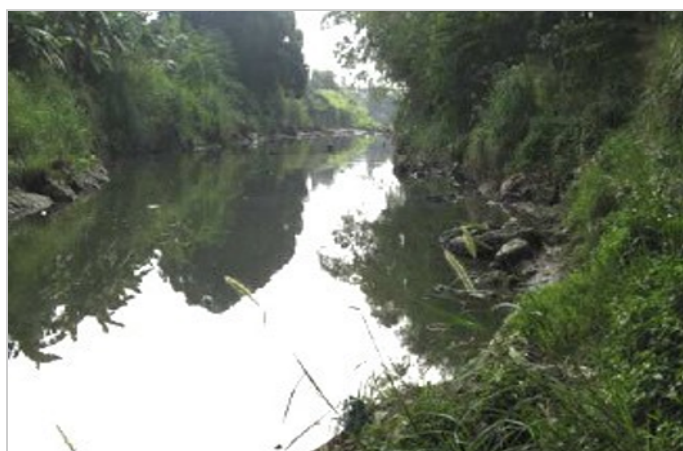
Products used (Qty.)

| | |
|-------------------------------|-----|
| - Gabion | N/A |
| - Terramesh | N/A |
| - MacTex Non-woven Geotextile | N/A |

Date of construction: 04/2008 - 02/2009



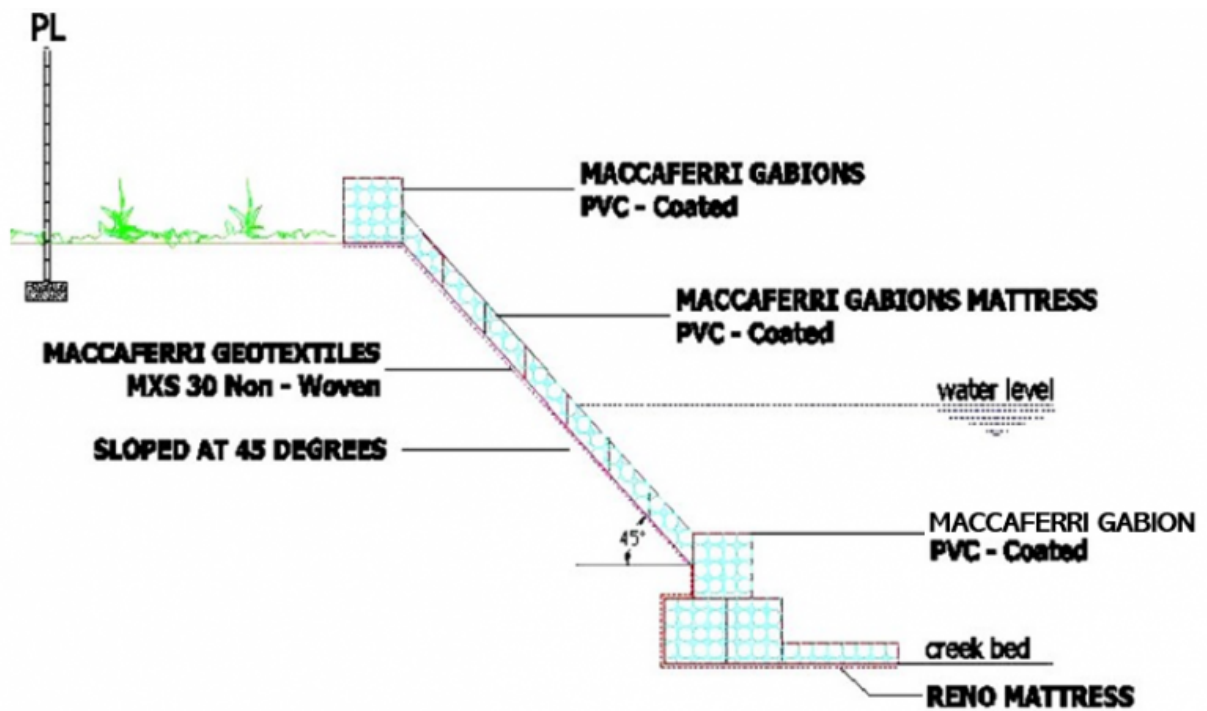
Before Construction



Before Construction



Project Completed



Typical Cross Section Detail