

## THE CASITAS CANYON RANCH CARMONA, CAVITE, PHILIPPINE

ENVIRONMENTAL / GEOTECHNICAL / SOIL REINFORCEMENT RETAINING WALLS / SLOPE PROTECTION

**Product:** Green Terramesh, MacGrids & MacTex

**Problem**

A 6m meter retaining wall between the Casitas (small house) has been designed to separate the upper and lower houses. Using a retaining wall with blocks as fascia is not very ideal as far as the engineers and architect are concerned . A green finish is preferred since they will use this area as a showcase in promoting the canyon Ranch Subdivision.

Halfway through the installation, the engineers decided to increase the height of the structure by 3 meter hence , additional reinforcements need to be considered.

**Solution**

The engineers of Century Communities Corporation finally accepted Philippine Gabions Inc. proposal using Green Terramesh System for the first 6 meters reinforcement and MacGrids for the additional 3 meters reinforcement. The fascia will be hydro seeded to create green finish.

The proposed system achieved the aesthetic finish the owner wanted and the durability has not been compromised. A Philippine Gabions Inc. design engineer supervised the installation to ensure that the soil was compacted according to requirements during construction. .



Before construction Date: June 2007

Client name:

CENTURY COMMUNITIES CORPORATION

Main contractor name:

CENTURY COMMUNITIES CORPORATION

Consultant:

NA

Product used:

1,755 SQUARE METER - GREEN TERRAMESH  
 878 SQUARE METER - MAC GRID  
 10,260 SQUARE METER - MAC TEX GEOTEXTILE

Construction info

Construction Date : JUNE 2007

Completion Date : OCTOBER 2007

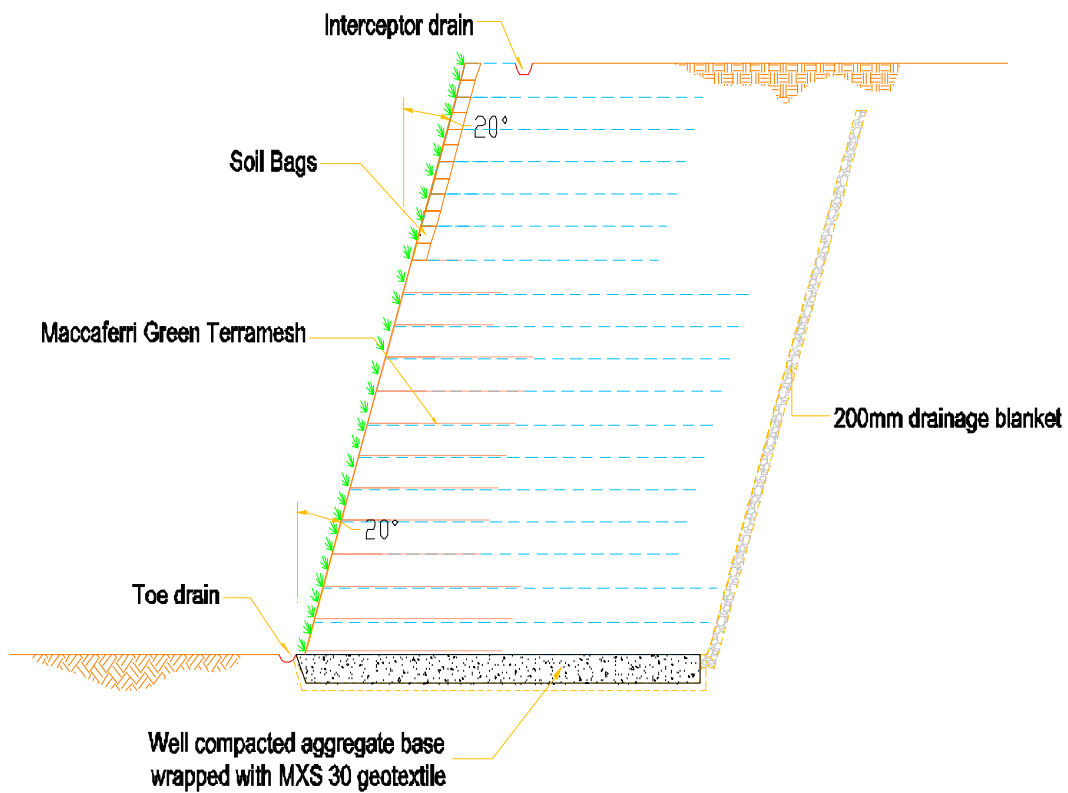


During construction Date: June 2007



Project Completed

Date: October 2007



## Project section

### Maccaferri Asia

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