CASE HISTORY

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PONCE SOLAR FARM
PONCE, PUERTO RICO

Slope Erosion Control
Product: Biomac E2G

Problem
Maccaferri’s office in Puerto Rico was approached by a private owner who was constructing the first solar panel farm in Puerto Rico, to be built in the municipality of Ponce. The site development called for fill slopes to create large plateaus upon which to set the panels. Because Ponce lies within an arid region of Puerto Rico, the re-establishment of vegetation was a concern in order to protect the fill slopes after they were worked.

Solution
After evaluating the site and climate conditions, it was decided that the most cost effective and visually pleasing material was Maccaferri’s Biomac E2G. This double sided excelsior blanket was dyed with a special blend of dark green dye to approximate the color of local vegetation in order to cause less of a visual impact.

Construction Details
The Biomac E2G was installed using 6” U-Shaped staples patterned depending on the slope inclination. The soil was seeded prior to placement of the blanket, and palms and bushes were placed as per a landscape artists suggestion. Six months later, the site was completely vegetated, much to the owner’s satisfaction.

Client
CANTERA LA RITA
Main Contractor
WINDMAR RENEWABLE
Designer
MACCAFERRI, INC
Products Used
MACCAFERRI BIOMAC E2G
Date of Construction
SPRING 2010

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Installed E2G – Panoramic View

Fully Vegetated Slope – July 2011