DEBRIS FLOW PROTECTION - RESIDENTIAL PROPERTY

ROMETTA, MESSINA

DEBRIS FLOW PROTECTION

Product: DF Series Debris Flow Fences

Problem

The village of Rometta was one of many severely affected by heavy rains and serious flooding in autumn of 2009.

The flooding caused damage but also resulted many mud flows and debris slides that caused swathes of damage and many fatalities throughout the region.

Solution

Many areas required extensive civil engineering works during the rebuild process. Included amongst those was the village of Rometta. Here a channel in the steep hill side had brought debris flows and the decision was taken to use flexible debris flow fences to prevent future flows from reaching the residential properties.

Maccaleri worked closely with the designer to provide the required Type 2 DF Series fences. Here required due to the complex topography on site. Different length posts were required along with a modified trapezoidal shape in order to fill the channel profile in the most effective way.

Client:

MESSINA PROVINCE CIVIL PROTECTION DEPARTMENT

Main contractor:

IMPRESA COSTRUZIONI FAZIO - LAVORI VERTICALI

Designer:

MESSINA PROVINCE CIVIL PROTECTION DEPARTMENT

Products used:

2no. TYPE 3 DF SERIES DEBRIS FLOW FENCES

Date of construction

October 2011