

RETAINING WALL BONTANG CITY OFFICE BONTANG, EAST KALIMANTAN, INDONESIA

Reinforced Soil Walls and Slope Reinforcement

Problem

To support the economic development, Bontang city started to construct Bontang City Office as its administrative facility office. It is located on a hill which consists of saturated clay. The failure of concrete retaining wall structure (rigid structure) requires a comprehensive solution to solve problem of retaining wall structure.

Solution

Maccaferri Terramesh System as a flexible structure can provide solution for the problem of unstable soil condition. It is a reinforced embankment structure with permeable facing in the form of gabion to reduce the pore water pressure. The using of Mactex behind the gabion as filter will keep the groundwater flowing without losing soil grain. The availability of materials, easy installation and the possibility of using local manpower will increase the effectiveness and productivity of the construction work. Terramesh System is constructed to a high standard and can deliver a structure that not only looks good but reflects the natural environment.

Client: MINISTRY OF PUBLIC WORK

Designer / Consultant: ARDEKON

Contractor: DUTA GRAHA INDAH

Products used (Qty.)

- Terramesh

N/A

Date of construction: 12/2008 - 03/2009



Preparation before construction



Construction process



Finished construction