

REINFORCED SOIL SLOPE AT MARAN, PAHANG, MALAYSIA

MARAN, PAHANG, MALAYSIA

Reinforced Soil Walls and Slope Reinforcement

Problem

The FT002 Route is a federal road which connecting Kuala Lumpur to Maran, Pahang. An underground water pipe burst at Section 262, Bukit Genting and it caused a huge slope failure where the existing road collapsed. An emergency work repairing the damaged road needed to be done quickly so to avoid further interruption to the traffic.

Solution

Green Terramesh had been chosen by the consultant due to its suitability to site condition and its greenery fascia which blend it very well with the existing environment. Maccaferri had designed Green Terramesh combined with MacGrid WG15 as reinforcement for the reinforced soil slope. The height of the proposed reinforced soil slope was 9.6m and the length was approximately 80m. Granular fill was used for the system to prevent build up of pore water pressure. The rehabilitation works completed in a duration of 3 months and the client was satisfied with the fast completion.

Client: Public Works Department

Designer / Consultant: SZY Consultant Sdn Bhd

Contractor: Zahim Sdn Bhd

Products used (Qty.)

- Green Terramesh	400 M2
- MacGrid WG	500 M2

Date of construction: 08/2008 - 10/2008



before construction



During Construction



After Completion