CASE HISTORY
Ref: MM032 — Rev:00, June 2005

SLOP STABILIZATION & PROTECTION
ULU SLIM RIVER, PERAK, MALAYSIA

GEOTECHNICAL ENGINEERING
Product: GABIONS

Problem
The local authority built a road by a rubber plantation for the public and residents living around Ulu Slim River, Perak. The slope contains high water table where water streams onto the road and created several slope failures along the stretch.

Solution
After careful considerations, Jabatan Kerja Raya (JKR) Batang Padang adopted Maccaferri Gabions Retaining Wall to solve this problem and increase safety for road users. Gabion was selected due its porous and gravity retaining structure that allows water penetration and increases the overall stability of the slope.

An U Drain was built at the toe to contain excess water table that are channeled out from the slope.

The construction was cost effective, simple and speedy. It was completed within 2 months, with just 8 - 9 manpowers.

Client:
JABATAN KERA RAYA (JKR) BATANG PADANG

Main contractor:
PEMBINAAN M & L SDN BHD

Products used:
1,647 M² GABIONS

Date of construction:
MARCH - MAY 2004