**Problem**
Retaining wall 235-00 is located in the Martin town district. Retaining wall is creating an embankment of motorway D1 101-00. Concurrently along the wall is led a relocation of the small river Sučanka which has an inlet and an outlet portal at the motorway.

**Solution**
Retaining wall 235-00 is formed by system MacRes—reinforced soil structure with precast concrete facing panels reinforced with polymer geostrips. The wall is simple, inclination of wall is 90°. On the top of the wall is placed massive coping which is holding safety guardrail and 4,0 m high noise barrier.

Retaining wall is designed in the length of 760.00 m on the right side of the D1 motorway in the direction of Sučany. Height of retaining wall is between 3.0 - 8.0 m above the terrain.

Type of wall is mostly made up mostly of basic type panel 1,5 x 1,5 m. Due to the big coping and collision with polymeric reinforcement, the top panels are made with steel links and are part of the coping. A horizontal joint was created under top panels in order to split the coping and lower part of the wall.

**Client:**
NATIONAL MOTORWAY AUTHORITY

**Main contractor name:**
VÁHOSTAV-SK, a.s.

**Consultant:**
DOPRAVOPROYKT a.s.

**Used product:**
MacRes® - face area: 5 000m²

**Construction info:**
Start of construction: Date: October 2012
Construction start date: September 2012
Construction end date: September 2014

**Date:**
Date: May 2013
MACCAFERRI CENTRAL EUROPE s.r.o. has implemented and applies a quality management system pursuant to the standard EN ISO 9001:2008 certified by TSÚS CERTICOM.