

Project: Carport, Geländeabtrag
 Location: Rheinfelden, Germany
 YEAR: 2010

Design of slope stabilization by the use of Geoweb®



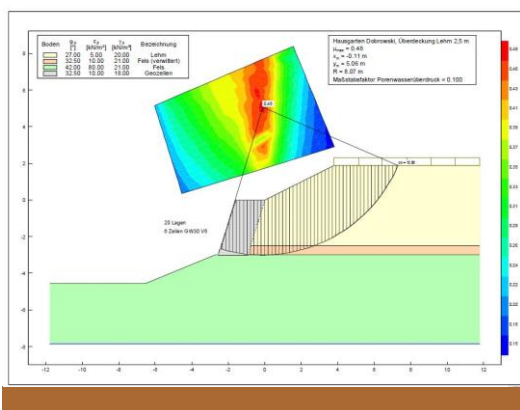
PROJECT DESCRIPTION

For the construction of a new carport for a private house, existing rock and soil material needed to be excavated. The existing ground is characterized by a soft clay layer situated on top of a rock surface. Due to less stability of the clay layer, the slope needed to stabilize. A Geoweb® mass wall was chosen to stabilize the excavated soil.



PROJECT FACTS

- Construction of new carport for private house
- Excavation of rock and clay layers required for adequate construction space
- Unstable new slope due to cohesive material on top of stable rock
- Slope stabilization required for slopes with heights up to 3 m
- Small footprint of the stabilization system required due to restricted working space and hard rock layer



OUR SERVICE

- Geotechnical Consultancy throughout the project
- Analysis of soil mechanical parameters gained from field tests
- Determination of soil mechanical design parameters for calculation
- Design of Geoweb® gravity wall
- Internal and external stability analyses according to DIN 1054
- Design report and recommendations for construction of Geoweb® wall