

Project: Rock face protection, Wieda
Location: Wieda, Germany
Year: 2016



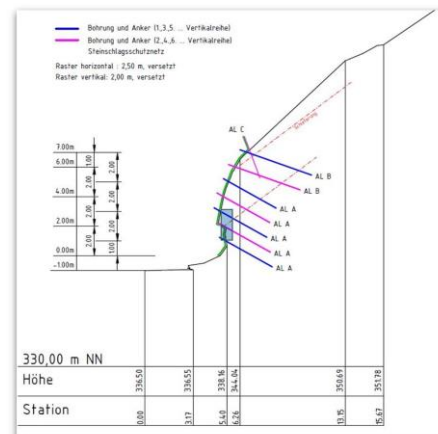
Rock face protection by anchors and nets

Project description

A 14 m high and approx. 75 m long rock slope is located in the valley west of the village Wieda. The rock slope exists between a hiking trail and the river „Wieda“ next to the old railway line. The hiking trail is located directly at the toe of the rock slope where rock parts loosened and fell down from time to time. The rock slope is fractured due to tectonic influence so that the rock parts potentially falling down have a size of 10 to 30 cm. Due to the rash of rock parts overhangs developed so that larger rock parts potentially fall down. Falling rock parts may be a risk for the hiking trail.

Project facts

- 14 m high rock slope with extremely steep sections
- Rock face batter ranging from 60° to 135°
- Size of potential instable rock segments ranging from 1.0m to 1.5m
- Existing rock: Diabas and clay shale with joint planes and joint face
- Nail pattern ranging from 2.5m x 2.0m to 2.5m x 3.0m
- Gewi nails with nail length > 3.5m
- Steel mesh TECCO using spike plate type P33



typical cross-section

Our Services

- Design of the rock face protection, soil nails and net layout
- Adaption and optimisation of the nail pattern compared to the draft design
- Geotechnical advise to the project owner before and during the installation



secured rock face

For further information please visit our website or get in touch with us.