



# SCHWÄBISCH GMÜND, ALLEMAGNE

Stabilisation des pentes

# Schwäbisch Gmünd

## Stabilisation des pentes

|                                       |   |
|---------------------------------------|---|
| <b>Projet</b>                         | Schwäbisch Gmünd  |
| <b>Ville</b>                          | Schwäbisch Gmünd  |
| <b>Pays</b>                           | Allemagne   |
| <b>Année d'installation</b>           | 2015  |
| <b>Client</b>                         | ((... will be completed by STS/GRE))  |
| <b>Autres sociétés participantes</b>  | Sidla & Schönberger Spezialtiefbau GmbH   |
| <b>Situation de départ</b>            | <p>The developer was planning several residential buildings on the hillside north of the river Rems in Schwabisch Gmund (near Stuttgart). The pit was created with a pile wall for excavation support. This area was backfilled after the buildings were completed. In the upper slope area, which remains visible; however, the developer chose to implement a solution that allows revegetation.</p>  |
| <b>Description</b>                    | <p>For dimensioning the nail grid pattern global stability was observed and recorded first. In a second step the near-surface instabilities were dimensioned. As is typical for most excavation activity, this slope was excavated from the top down in 1.5 m increments. Immediately following excavation the erosion control mat and TECCO® System were anchored in place with soil nails.</p> <p>The solution was chosen because:</p> <ul style="list-style-type: none"><li>- Cohesive soils / grounds with an appropriate supply of nutrients for successful revegetation,</li><li>- Active and immediate greening of the embankment by hydroseeding,</li><li>- Through future building the slope will be shaded,</li><li>- Four years ago, a similar project using TECCO® System was completed nearby and has shown successful revegetation.</li></ul> |
| <b>Site protégé</b>                   | Bâtiment  |
| <b>Protection anticorrosion</b>       | GEOBRUGG SUPERCOATING   |
| <b>Géologie</b>                       | The slope incision is located in the Stubensandstein layer, and is therefore partly based on stiff loams.   |
| <b>Zone stabilisée</b>                | 900 m²  |
| <b>Hauteur de la pente</b>            | 15 m  |
| <b>Inclinaison de la pente</b>        | 45 ° - 60 °   |
| <b>Écologisation</b>                  | Oui   |
| <b>Tapis de contrôle de l'érosion</b> | Oui   |
| <b>Exposition</b>                     |   |

Pour toute question, contactez votre spécialiste Geobrugg le plus proche

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