Slope Protection

SENDALL TUNNEL, GD
Slope Protection

Project: Sendall Tunnel
Street: Sendal Tunnel
Place: St. George
Country/Region: Grenada
Year of installation: 2016
Customer: Government of Grenada / World Bank
Engineering: Glean’s Construction and Engineering Co. Ltd.
Contractor: Jiangsu Geology & Engineering Co. Caribbean Ltd.
Other participating companies: Ameritech Slope Constructors Inc.

Initial situation
The slope at the western portal of the Sendall tunnel was affected by rockfall events, which represented a high risk for pedestrians and motorists travelling daily in the touristy port area of St. George. At the top of the embankment there is also a Presbyterian church from the XIXth century, which has been restored for its historical and touristical significance.

Description
The designer decided to install high tensile TECCO® G65/3 mesh as a drape due to its unique features, low maintenance requirements and corrosion protection.

As a direction protection of the Presbyterian Church, ca. 20 meters long retaining wall was constructed just below, along its western boundry.

Protected object
Road, Touristic infrastructure

Systems
TECCO® G65/3

Corrosion protection
GEOBURGG SUPERCOATING®

Geology
Colluvium soil of sand soil with rock blocks.

Stabilized area
1680 m²

Maximum slope height
16 m

Slope inclination
75 ° - 80 °

Exposition
West
TECCO® G65/3 high tensile steel mesh serving as passive protection (drape) - view from under the slope - the mesh is nearly invisible

The area where the Ameritec specialists installed the drapery mesh to stabilize the rocks

The retaining wall built to support the Presbyterian Church located just above the historic Sendall Tunnel
Closer look on the slope covered with drape made out of high tensile steel TECCO® G65/3 mesh

View from the top of the secure slope on the tourist port of St. George
For questions please contact our Geobrugg specialist at your side

Kevin H. Coyle
Regional Manager Northeast
Phone +1 860 377 3230
kevin.coyle@geobrugg.com

Geobrugg
info@geobrugg.com | www.geobrugg.com
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