

RINGFIETSPAD ANTWERP
ANTWERP, ANTWERP, BELGIUM

Reinforced Soil Walls and Slope Reinforcement

Problem

This project has implied reinforced soil wall design, material supply and installation for a high-speed bike lane between the neighborhood of Deurne and Borgerhout in the city of Antwerp (Belgium).

The main contractor was the Colas Group. Tractebel Engineering N.V. made the whole design with several different inclinations of the RSS to give a more natural and pleasant view.

The walls were built along a very trafficked highway and they were aimed to act as a sound barrier for the houses in the suburban neighborhood as well.

Solution

Mainly, four different types of facing inclinations have been used for this project: 27°, 34°, 45° and 60°. The main product used is Terramesh Green Light that was produced specifically to meet the design requirements and slope inclinations. The project included also welded gabions walls and RSS built using EPS blocks to reduce the weight of the walls since the poor bearing capacity of the soil in situ. The construction took place between May 2019 and November 2019. In May 2020 the slopes were already completely vegetated.

Client: Texion Geosynthetics N.V.

Designer / Consultant: Tractebel Engineering N.V.

Contractor: Colas Group

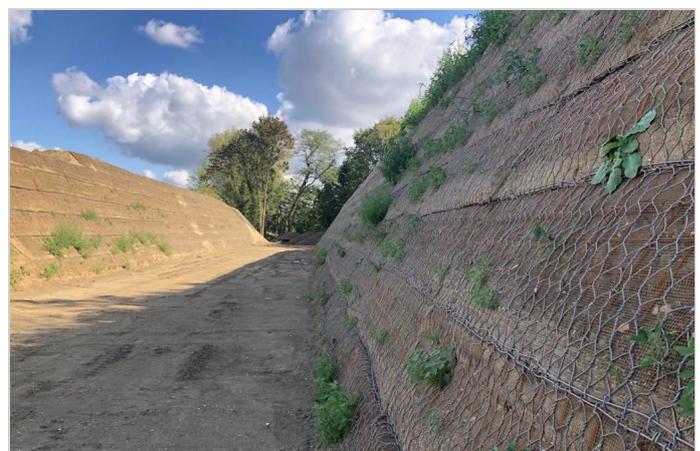
Products used (Qty.)

- Terramesh 1600 pcs

Date of construction: 05/2019 - 11/2019



May 2020



After installation



During the installation



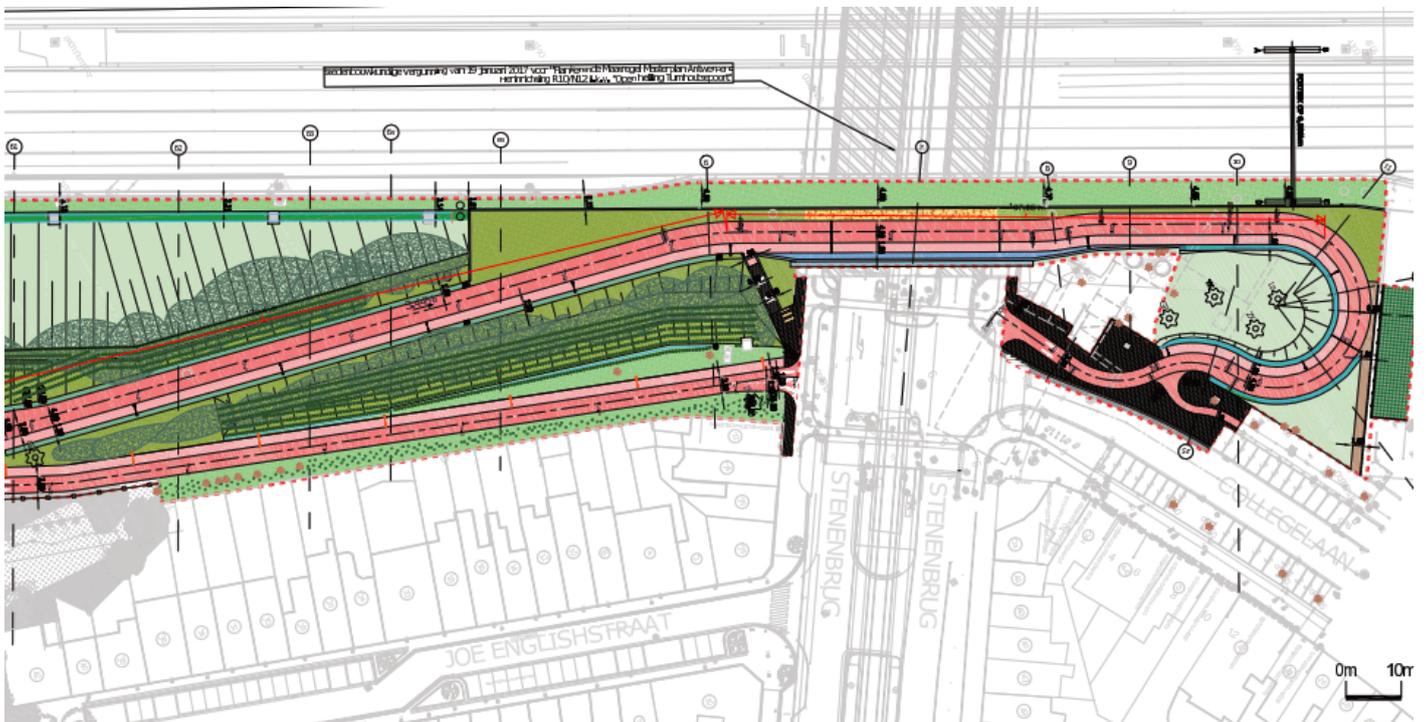
During the installation



After installation



Detail of the welded gabion wall



Top view

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