

TERRAMESH RETAINING WALL OVER PILE FOUNDATIONS VLORA BYPASS

VLORA, ALBANIA, ALBANIA

Reinforced Soil Walls and Slope Reinforcement

Problem

The Vlora bypass is located in the southeast of Albania. The 29-kilometre road segment shortens the travelling time towards the Albanian Riviera.

The overall objective of the project is the improvement of the transport conditions around Vlora, a major touristic city, and in the wider coastal area, directly related to commerce and tourism.

Due to high cost of construction, 2 concrete bridges near the village Kanina were redesigned to RSW walls.

Solution

The contractor decided to build a 30m height Terramesh, which was designed by Maccaferri and calculated using our software MacStARS W.

In order to lower the excavations on the hill and to increase the stability safety factors, pile foundations were designed.

Client: Garden Line

Designer / Consultant: Gener 2 & Maccaferri

Contractor: Gener 2

Products used (Qty.)

- Terramesh	1'500 pc
- ParaLink	20'000 m2
- MacGrid WG	41'000 m2

Date of construction: 01/2022 - 07/2022



During Construction



After Construction

