

RABAT embankment

Rabat, MOROCCO



General view

General contractor

Société générale des travaux du MAROC (SGTM)

Customer/Owner

Rabat Région Aménagement

Engineer

Team Maroc

Freyssinet subsidiary

Freyssinet Products Company (Saint Eusebe)

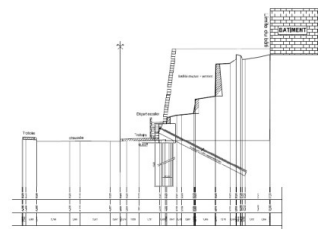
Others subsidiaries

Freyssima

Works period

Start date: January 2020

End date: March 2021



Typical drawing



Prefabrication at FPC

PROJECT DESCRIPTION

As part of the redevelopment of the roads of Douar MAADID and Douar DOUM on the outskirts of Rabat, work has been carried out to reinforce the embankments.

The project was divided into two lots:

- The slope stabilization in Douar Maadid which extends over approximately 670 m
- The slope stabilization in Douar Doum which extends over approximately 100 m

The work took place in several phases over a 14-month period :

- Demolition of existing structures : masonry walls, reinforced concrete wall, concrete stairs, etc.
- Stabilization by ground anchors (Freyssi type 500-E - 32 with double corrosion protection).
- Stabilization by a 600 mm and 1000 mm diameter piles net.
- Construction of a reinforced concrete retaining wall.
- Clearing the natural ground (soil or rock).
- Reinforced backfill comfort work with flexible strips, compaction, and block siding.

FREYSSINET MISSION

To achieve this stabilization, Freyssima in collaboration with Freyssinet Product Company (FPC) manufactured and delivered a total of 251 Freyssi 500-32 bar ground anchors with double corrosion protection prefabricated and injected with plant cement grout, in accordance with EN 1537 and TA2020.

The length of each ground anchors is 20.45ml.

Freyssima provided technical assistance and FPC, the prefabrication of the ground anchors in the factory.

