

# ROAD EMBANKMENT RETAINING WALL FOR KENGTENG BYPASS ROAD

## KENG TENG, SHAN STATE (EASTERN PART), MYANMAR

### Reinforced Soil Walls and Slope Reinforcement

#### Problem

KengTeng Bypass Road is a 10km new highway built to bypass the old road which goes into the town of Kyine Tone. The embankment was previously built to be a railway embankment. Given the low longitudinal gradient foreseen for this type of application, the embankment is very heigh, around 30m. Maccaferri Paramesh hybrid system, which consists of Terramesh® System and Paragrid® was used to construct the reinforced soil wall to guarantee the stability of the embankment.

#### Solution

The Paramesh system has been used in three different locations along the 10km road. The walls are around 6m high and the design has been done with Maccaferri in house software MacStars W. Both static and seismic conditions have been checked.

**Client:** Road Department (Ministry of Construction, Myanmar)

**Designer / Consultant:** Authentic Trading Company

**Contractor:**

**Products used (Qty.)**

- Terramesh
- ParaGrid

**Date of construction:** 09/2022 - 04/2023



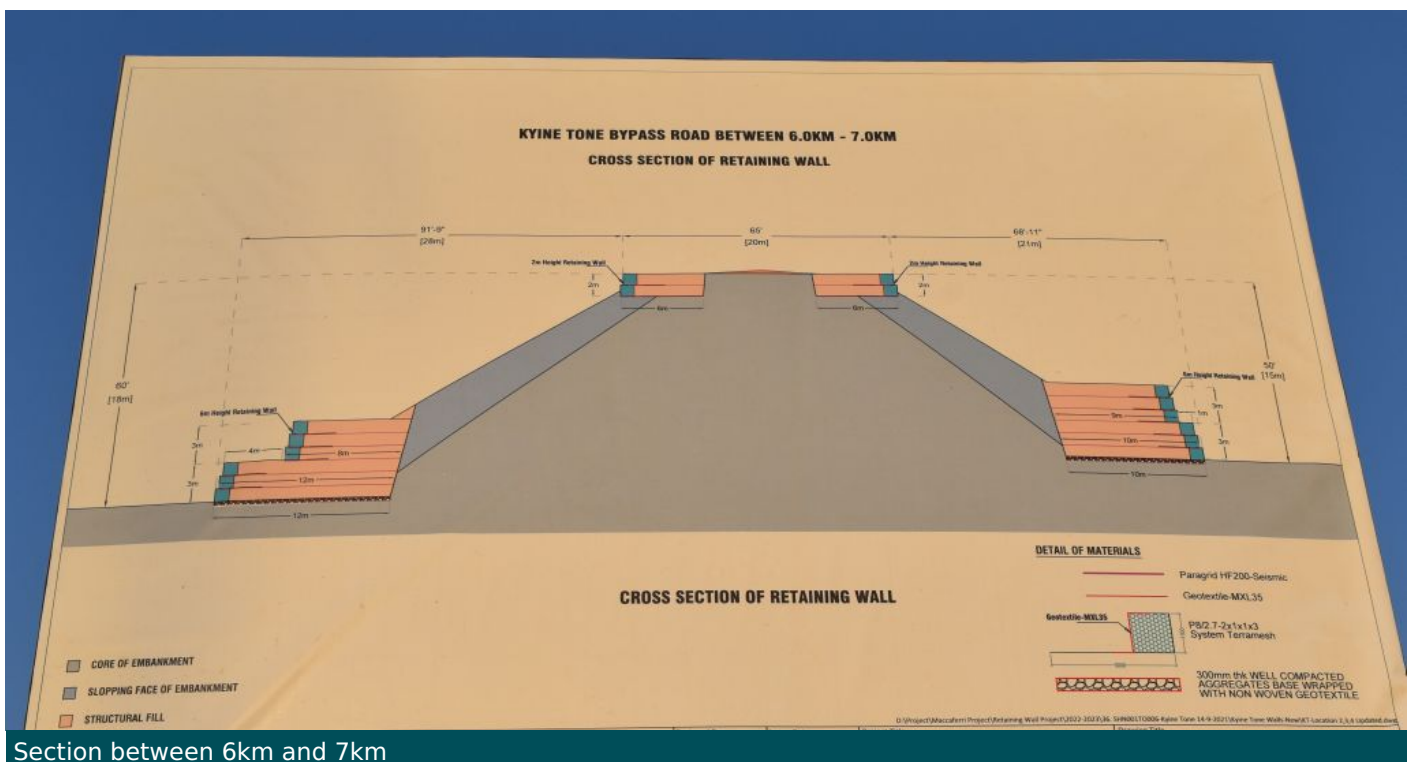
Location 1



During compaction



Location 2



Section between 6km and 7km