

## San Lazaro Leisure & Business Park Slope Protection

Carmona, Cavite, Philippines

ENVIRONMENTAL / GEOTECHNICAL / MECHANICALLY-STABILIZED  
EARTH RETAINING WALL / SLOPE PROTECTION

Products: System Terramesh, MacTex Nonwoven Geotextile

### Problem

An 11-meter high x 334 meters long retaining wall was required by Manila Jockey Club Inc., the owner/ developer of San Lazaro Leisure & Business Park in Cavite .

### Solution

Competing against various other retaining wall systems, the developer finally decided in favor of the System Terramesh. Through its local subsidiary in the Philippines, Maccaferri Asia provided design assistance using the specially developed MACSTAR 2000 software for the detailed stability analysis of the reinforced earth wall. With this software, the following wall analyses provided the Consultant and the Owner assurance regarding the structural integrity of the proposed design:

- Surface stability
- Internal stability
- Global stability
- Sliding check
- Retaining wall check



Before Construction

November 2002

### Project Owner

Manila Jockey Club, Inc.

### General Contractor

Piedras Negras Const. Corp. / Ubaldo Eng'g. Co.

### Consultant

TCGI Engineers

### Maccaferri Products

System Terramesh

### Construction Info

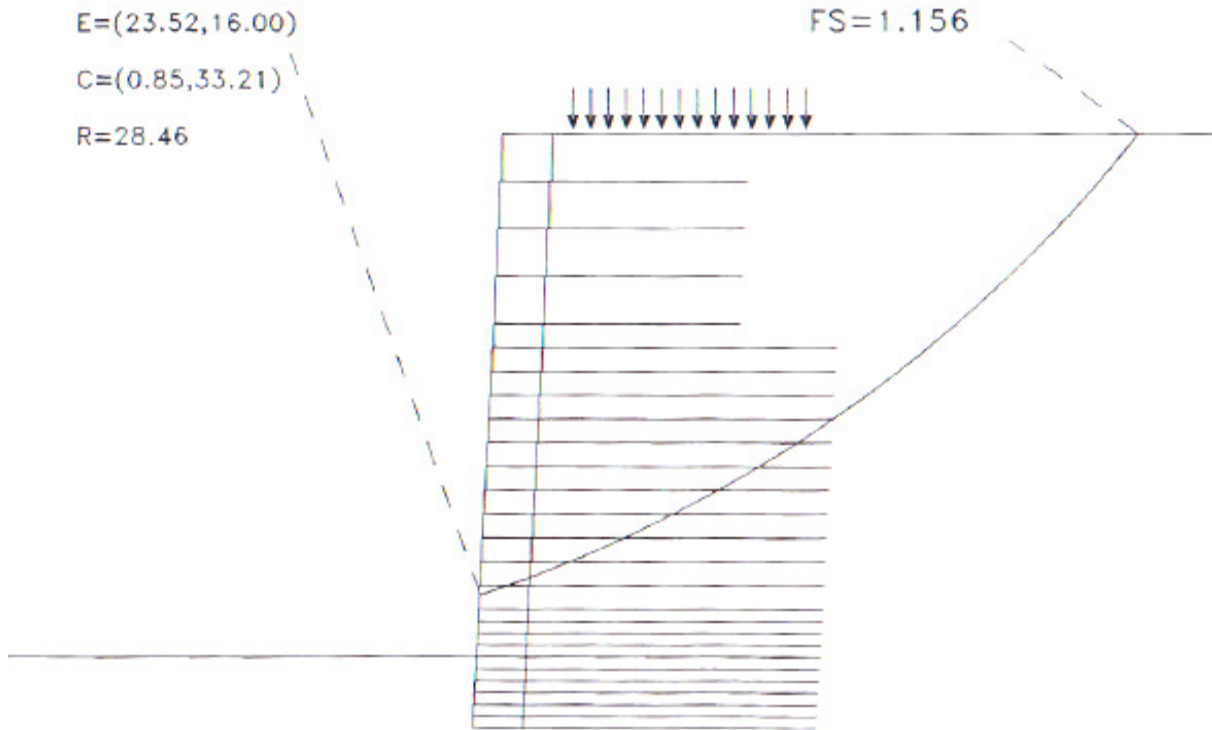
Start of Construction : October 2002

Completion Date : March 2003



During Construction

January 2003



Proposed Section (Result of Global Analysis, FS shall be greater than 1.125)



After Completion March 2003

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