

### PHASE V BUILDING EXPANSION - TEXAS INSTRUMENTS TIPI COMPOUND, PEZA, LOAKAN ROAD BAGUIO CITY PHILIPPINES

ENVIRONMENTAL / GEOTECHNICAL / GRAVITY RETAINING WALLS / SOIL REINFORCEMENT AND SLOPE PROTECTION

**Product:** System Terramesh / Terramesh Panel / Gabions / Non - Woven Geotextiles

#### Problem

The construction of Texas Instrument Phase V Building Expansion Project was faced with major slope protection problems. At the crane way area, the main soil reinforcement used on this location is soil nailing. The absence of a suitable facing caused the slope to start collapsing especially when the rain started pouring in constantly. Initial remedy using sand bags and blue sheets to cover the slope was adopted by the contractor but the collapse was inevitable.

#### Solution

Taking into consideration the weather at the site and the schedule to complete the whole project, the Contractor (CCT Toyo ), the consultant (TCGI Philippines), in coordination with Philippine Gabions Inc., agreed that the Maccaferri Gabions and Maccaferri System Terramesh are the best solution to use as secondary reinforcement on the Crane Area location. PGI helped the contractor in the accreditation process of a reputable subcontractor to do the installation. A well experienced project engineer was assigned at the site to do the supervision during the installation period. The construction was finished within 2 months, in time for the turn-over of the facility to the owners.



Before Construction

Date : November 2007

Client name

TEXAS INSTRUMENTS

Main contractor name

CCT—TOYO

Consultant

TCGI PHILIPPINES

Product used

269 CUBIC METRE - GABIONS  
998 SQUARE METER - SYSTEM TERRAMESH  
10,400 SQUARE METER - MACTEX

Construction info

Construction Date : November 2007

Completion Date : December 2007



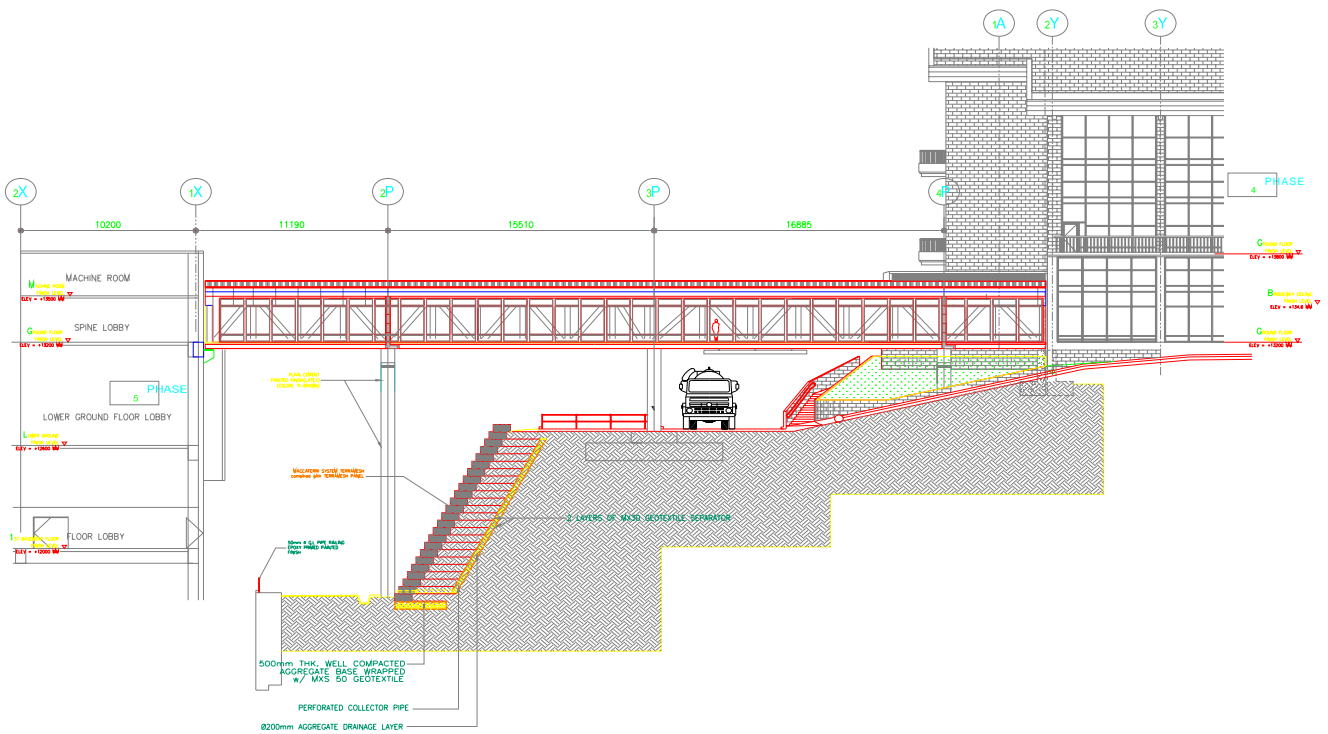
Before Construction

Date : November 2007



During Construction

Date: November 2007



## CROSS SECTION AT CRANE WAY AREA

### Project Section

#### Maccaferri Asia

Unit 511, Block G, Phileo Damansara 1, 46350 Petaling Jaya, Selangor, Malaysia

Tel : ( + 60 ) 3 7957 8330—Fax ( + 60 ) 3 7957 9080

E-mail: mm@maccaferri-asia.com - Web site: www.maccaferri.com



# MACCAFERRI



Project Completed

Date: December 2007



Project Completed

Date: December 2007

## Maccaferri Asia

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Tel : ( + 60 ) 3 7957 8330—Fax ( + 60 ) 3 7957 9080

E-mail: [mm@maccaferri-asia.com](mailto:mm@maccaferri-asia.com) - Web site: [www.maccaferri.com](http://www.maccaferri.com)

