

GTW RESIDENTIAL COMPOUND SLOPE PROTECTION TAGAYTAY, REGION IV-A, PHILIPPINES

Reinforced Soil Walls and Slope Reinforcement

Problem

GTW would like to construct a private structure in Tagaytay near Girl Scouts of the Philippines. The site development and land development are simultaneously done. The soil in the lower portion of the area is a combination of silty sand and the upper portion of the area is dominantly adobe. The owner would like to have a slope stabilization solution to stabilize their soil for their driveway without disturbing the as built structures. In addition, the owner would like to have a green portion in their slope.

Solution

The slope in the said area is a fill slope; hence, the combination of the use of system terramesh with wrap-around geogrid above was recommended in some of the portions in the site. Maccaferri has supplied materials for the whole system terramesh and wrap-around geogrids. An almost 20 m high STM was built in one area on the site. The construction is still ongoing; hence, many slope stabilization measure still awaits in the other areas of the project.

Client: GTW

Designer / Consultant: WRC

Contractor: WRC

Products used (Qty.)

- Terramesh	1700 pcs
- MacGrid WG	MacGrid WG 8 - 22360 sqm
- MacTex Non-woven Geotextile	MXL 35 - 10400 sqm
- MacDrain W	MacDrain W1061 - 1170 sqm
- MacBag	Soil bags - 10000 pcs

Date of construction: 01/2022 - 12/2022



During Construction



During Construction



During Construction



During Construction



During Construction



During Construction