

**THE GREENFIELDS
MELBOURNE, VICTORIA, AUSTRALIA**

Architectural Cladding

Problem

In 2006 the architect was approached to design a garden for a large property at the foothills of the Dandenong's in Victoria. a large home had just been completed and the client required a swimming pool and entertaining area. The site was very testing with heavy clay soils, excessive groundwater and 1:3 slopes all causing major design challenges.

Solution

The original concept was to canter lever a pool out from the sope with a negative edge and the city skyline being the focal point. The initial thoughts were to utilise masonry walls with a Wistow Stone cladding (from Mt Barker in South Australia) but 'way over budget' quotations were received, which priced the walls at somewhere in the vicinity of \$250,000.

This was unacceptable to the client and so the architect turned to the Gabion construction option initially to save money but also from a design perspective as the suited the tricky site. Geofabrics supplied Gabions are flexible, permeable and meet the design life requirements. Their woven Galmac (Zinc/Aluminium Mischmetal Alloy) wire construction and visual appearance complimented the modern architecture. The client was somewhat hesitant initially but with the saving in the region or around \$150,000 he was more than happy to proceed with the Gabion option.

Client: Private Client

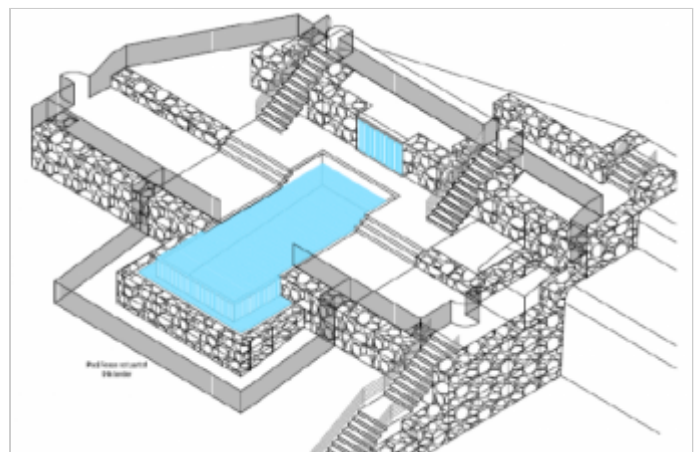
Designer / Consultant: Laidlaw & Laidlaw

Contractor: GroundTech

Products used (Qty.)

- Gabion 999

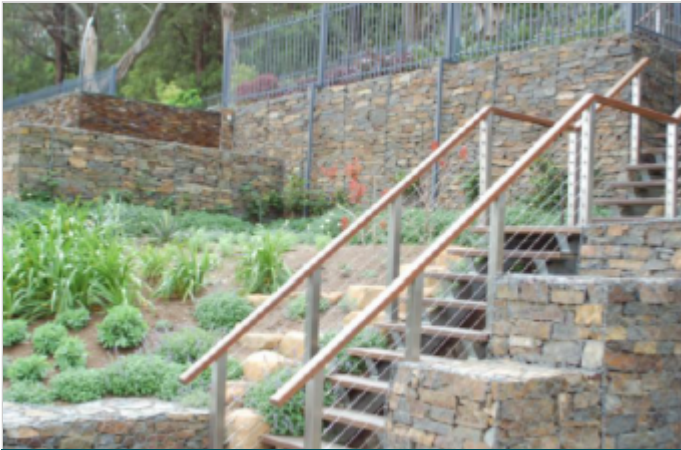
Date of construction: 05/2006 - 08/2007



Isometric View Of The Gabion Walls and Facades



500 mm Thick Gabion Facade Around The Swimming Pool



Terraced Walls With Vegetation



Stairway Within Gabion Walls