

# SIGA

## STRUCTURAL ENGINEERING

Siga News

November – December 2008

**Imagine a four storey home ..... Like this!**



**Project: Residential - Lugarno**

### Key Objectives

- Providing suitable documentation for a beautiful dream home to be constructed on a difficult site.
- Accommodating for the very rocky site and the intended design.
- Constructing the residence efficiently based on the prevailing conditions.

### Challenges

- Determining the necessary specifications to accommodate the complex site conditions.
- Extensive existing stable sandstone was to be utilised.
- Minimising costs related to retaining wall and general construction due to high rock cuts (2 storeys).



### Siga Solutions

- Design and documentation of initial structural details to all of the residence including blockwork retaining walls, strip footings and suspended concrete floors.
- Ongoing advice and flexibility of design to accommodate site conditions during site inspections.
- Site inspections and certification of structural items.

#### **Chloe's Joke:**

Q – Why don't eggs laugh?

**A – Because they might crack-up!!**

*Chloe Simone – 7 years old – hopes you enjoy this joke*

Warm Regards,  
FRANK SIMONE