



**STRUCTURAL ENGINEERING**  
ACCURATE • PRACTICAL • PROFESSIONAL

February 13, 2006

Dear Client,

Welcome to our first feature project for 2006. I hope you have enjoyed your Christmas break and are looking forward to this year.

To kick start 2006, we thought you would be interested in our residential project located in West Pennant Hills. And, as you may be aware this area is not only renowned for its large prestigious residences but also for the sloping sites which require careful attention-to-detail.

The builder of this residence has been a client of ours for over 5 years and certainly wanted reassurance that the structural details would be taken care of. The results are attached and will also be available for viewing on our website.

We hope you enjoy this review and certainly look forward to working with you on your projects in the very near future.

As always, thank you for your ongoing support and if we can be of any assistance, please feel free to call us.

Regards,



Frank Simone  
Managing Director

*PS How do you remove columns from an existing portal frame building – especially two columns in a row? And, how do you do this when they support crane rails?*

*Well, take a look at the enclosed page which previews our next feature project – we're still working on this job so stay tuned!*

# FEATURE PROJECT

FEBRUARY 2006



The residence as it is today.

**Location:** West Pennant Hills

**Type:** Residential

## Key Objective

- Constructing a large and well built quality residence on a difficult site required not only an experienced structural engineer but builder as well so that the finished project was worth the effort.
- Based on the prevailing conditions-knowing what to do, being flexible and making cost-effective decisions was very important.

## Challenges

- Sloping site - requiring piling and sometimes high perimeter retaining walls.
- Foundation materials - often varying in depth, requiring site instructions which then resulted in changes to the original design.
- Conventionally framed timber roof and walls – requiring various steel support beams.



## SIGA Solutions

- Providing accurate details to establish the design and to cover as many 'unknown' factors onsite as possible.
- Providing onsite advice to enable the construction to be as seamless as possible and support where required for any additional information.

# FEATURE PROJECT - COMING SOON

**Location:** Campbelltown

**Type:** Industrial

**Key Objective:** 18 metre crane rail truss

*Whilst this exciting project will be featured soon, we wanted you to get an overview of what we're currently working on.*

This project involves an 18 metre truss being fabricated in 6 locations on an existing building.



So, stay tuned to see what interesting challenges were created and solved with this project.