

30th August 2004

Hello,

Welcome to our latest project review – I thought these would be of greatest interest to you.

1. Concrete Backyard Pool – Gladesville

Whilst Rudy, the builder for this pool, has been planning this project for many years, he has finally brought it to reality. And, with views like this, I am sure he will need to hurry the contractors to get their jobs finished.



Both these photographs were taken during the inspection of the steel reinforcement. It makes a difference having good steel fixers. Rudy chose well.

The reason for choosing this project is because there were a few surprises, such as:

- The initial design assumed clay foundations – rock was struck approximately 2 metres from the surface.
- The stability of the retaining wall around the perimeter of the pool was of concern.
- The pool had to be redesigned to accommodate the piers on the rock and a water feature.

Siga assisted on this project by providing the following:

- The original site plan and structural details of the pool for council approval.
- Subsequent updates of the design to incorporate the water feature.
- Site inspections of piers, steel reinforcement and professional advice regarding existing retaining walls.
- The redesign of the pool base to accommodate rock foundations of piers & slab.

2. Safety Rails & Ladder - Greenacre

Our client behind this project is Octo. Of great importance to this concrete batching plant was the maintenance and fine tuning of these lime silos.



Before: This photograph was taken of the silos on our initial inspection.



After: Safety rails, platforms and ladders were installed for maintenance access to the very top of the silos.

The challenges overcome on this project were:

- ☐ Simplifying the maintenance procedure and improving safety.
- ☐ Installing safety rails, ladders and stairs in an area with many obstructions.
- ☐ Planning the details of each component to make sure that they would work easily.
- ☐ The high location meant that installation needed to be quick and efficient and that the components could be easily brought up to them.

Siga assisted on this project with the following:

- ☐ Initial site inspection to discuss and check proposed design loads, supports and details.
- ☐ Review of workshop details, checking for structural adequacy.
- ☐ Certification of structural adequacy of the design.

Perhaps the most satisfying thing about these two jobs is that they were both from valued clients who have been associated with Siga for some time.

Congratulations to both Rudy and Octo for making sure their respective projects came together.

I hope you have found this information of interest and look forward to hearing from you soon.

Regards,

Frank Simone
SIGA Structural Engineering