

SIGA

STRUCTURAL ENGINEERING

Siga News

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With over 180 foundation piers, Geoff didn't want to just bury concrete & money



Before Construction



Pouring the piers



Geoff and his team



The completed residence

Project: Residential - Windsor

Key Objectives

- Like most builders, Geoff wanted his house built perfectly. Of course with a house this big, any small detail could make a big difference in costs.
- Therefore, it was worthwhile spending extra engineering time to make sure that the details were as cost-effective as possible.

Challenges

- **Wind Loads:** Location of the residence and the fact that the wind has a considerable run up from the river at the base of this property - and additionally it has a light-weight roof (metal sheeting).
- **Length of slab:** the size of the actual slab being much larger than your typical residence.

Siga Solutions

- Providing the structural design and documentation for the floor slab & concrete piers, timber frame bracing and frame (wind) tie down details.
- Site inspections to discuss the foundation options with Geoff and the Geotechnical Engineer.
- Inspection and certification of the piers