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10<sup>th</sup> August 2021

Job Number: 202182

#### Shaun Wright

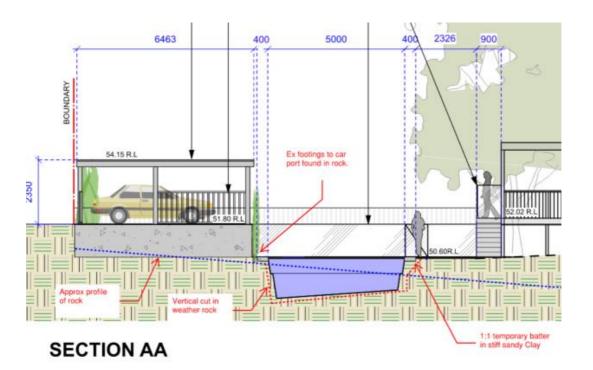
Contour Landscape Architects PO Box 698 Mona Vale NSW 1660

Dear Shaun,

# RE: 36 Kempbridge Avenue, Seaforth 2029 - Geotechnical Report

We understand a swimming pool is to be constructed at the above address which will require an excavation of up to 1.8m deep in the existing lawn area.

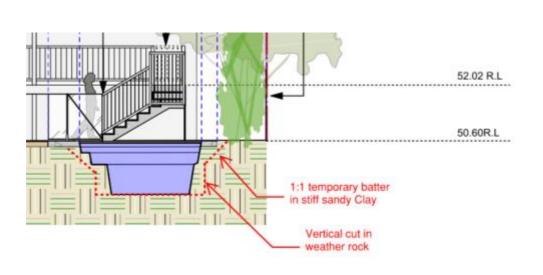
The site has been previously excavated to reveal a shallow layer of sandy clay (stiff) overlying weathered Sandstone rock. The approximate rock profile is shown on the long section through the pool below.



### Temporary batters for the excavation should be based on the following:

- Stiff sandy clay: 1:1 batter
- Weathered Sandstone: vertical cut.
- The setback on the Western boundary is generous to accommodate the temporary batter (refer to cross section).
- The existing footings to the car port should be exposed and inspected by Northrop engineers prior to commencing the bulk excavation.





## Bearing Pressures should be based on the following:

- Stiff sandy clay: 100kPa
- Weathered Sandstone: 700-1000Pa .

## Groundwater:

• There was no groundwater present.

We trust you find this report satisfactory and please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully,

Stephen Maher Principal | Structural Engineer BEng Civil (Hons) MIEAust CPEng NER On behalf of: Northrop Consulting Engineers Pty Ltd