

DATE :3/05/2017OUR REFERENCE:76800MTYOUR REFERENCE:COTTEE/MARTINLOCATION:LOT 101 NO.43 BEATRICE STREET BALGOWLAH HEIGHTS



PROPERTY FEATURES

Property locality :	Established residential area
Existing building :	Residence remains
Building platform :	Not constructed
Exposed rock visible :	Not evident
Signs of soil reactivity :	No significant signs evident
Natural site slope :	Gentle fall
Retaining walls :	Existing on side boundaries
Environmental exposure :	Near coastal open water
Significant Trees :	Group of significant trees on site

WIND CLASSIFICATION

Wind Region :	А
Terrain Category :	TC3.0
Topographic Classification :	T2
Shielding Classification :	Full
Wind Classification :	N2

SITE INVESTIGATION

Fill encountered :	No
Soft or colapsing soils :	No
Floating boulders encountered :	No
Presence of bedrock or shale :	Yes
Seepage evident during borehole:	No
Approximate soil bearing pessure (kPa) :	800

RESULTS AND RECOMMENDATIONS

Approx pier depth (mm) :	Variable to bedrock
Site Classification :	Refer to lab results
Comments :	

FIELD INVESTIGATION:

BOREHOLE 1		
Depth mm	Material description	
00	Surface level	
100		
200	grey brown white yellow	
300	Sandy Clay material	
400	moist and soft also crumbly	
500	Refusal on Sandstone	
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		

BOREHOLE 2		
Depth mm	Material description	
00	Surface level	
100		
200	grey dark brown white	
300	Sandy Clay material	
400	moist and soft	
500	Refusal on Sandstone	
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		

Taken: Left of existing dwelling

Taken : Rear of existing residence

CERTIFICATION

Engineer John Rafeletos B.E. MIE Aust.

Notations:

- Provide piering through any uncontrolled fill, founded to natural ground. The extent of piering shall be established on site. - Where rock is encountered, the slab and footings are to be founded or piered to rock. The extent of piering determined on site. - Some difficult soil conditions may require the use of helical screw piers or driven piles at the discression of the engineer.

- This report is based on observations and investigations by Rafeletos Zanuttini Pty Ltd for the purpose of establishing design

criteria to be adopted exclusively by Rafeletos Zanuttini Pty Ltd for the design of any future slab and/or footing system.

- This report is to be read in conjunction with any other design documentation and instructions given by Rafeletos Zanuttini - The site conditions at the time of issuing this report shall be confirmed by the client prior to and during any construction works. - This report does not include any field or laboratory assessment of the acid sulfate soils or salinity requirements of the site, and is to be investigated by the client if specifically required. However it is advised that certain Sydney councils such as Camden, Fairfield, Wollondilly etc have adopted a council wide acid sulfate soils policy and that all properties within these councils need to be designed and constructed to saline affected requirements unless site specific testing is undertaken and confirms otherwise.

- Deep excavations may encounter bedrock or shale, in such circumstances deeper piers to even bearing may be required.