

JOB NUMBER	22/0016 SITE CLASSIFICATION REPORT
CLIENT	STROUD HOMES CALOUNDRA
SITE LOCATION	PROPOSED DWELLING LOT 51 CREEKLINE PLACE, MOOLOOLAH VALLEY
REPORT DATE	02/02/2022

1. INTRODUCTION

The purpose of this report is to classify the subject allotment in accordance with Australian Standard 2870 - 2011 'Residential Slabs and Footings'. From this classification, a footing system can be recommended for the structure so as to allow adequate performance of the footings under the soil conditions determined at the site.

Trees: The classification herein excludes the effect of trees on the site.

2. SITE DESCRIPTION

Type of Allotment	Residential
Vegetation	Grassed
Road Status	Sealed
Slope	Approximately Level
Surface Water will Drain Towards	N/a
Will Surface Water from adjoining allotments traverse this site?	No
Surrounding Allotments	
Left	Vacant
Right	Vacant
Rear	Vacant
Depth to Weathered Rock	BH1 (N/a), BH2 (N/a)
Depth to Water Table	BH1 (N/a), BH2 (N/a)

3. SITE CLASSIFICATION AND TARGET STRATA

Based on the findings of the site investigation, the classification of the site is considered to conform to:

CLASS "P" – (Due to Uncontrolled Fill - See Target Stratum)

PLEASE NOTE: If not for the above reasons, this site would have the characteristics of a Class H1 Site.

in accordance with Australian Standard 2870 - 2011, 'Residential Slabs and Footings, Construction'.

The target stratum for the foundation of the structure is to be by the designing engineer.

It is the designing engineer's responsibility to address the potential influence of any trees present on or around the proposed building site.

If any fill is placed over the existing ground, the structure shall be pierced through the fill into the existing material. Further note that the placement of reactive material as fill, or cutting of the site may change the site's classification.

4. SOIL PROFILE

Refer to Soil Profile Report for borelog information.

Whilst every effort has been made to ensure that the borelogs carried out at the subject allotment are indicative of the soil profile over the site any discrepancy between the profile detailed in the borelogs and that observed during construction shall be referred to Global Testing for immediate attention.

5. MATERIALS LABORATORY TEST RESULTS

Soil Laboratory testing carried out on samples of the soil taken from the site gave the following results:

BOREHOLE	BH1
DEPTH RANGE OF SAMPLE	500-700mm
LIQUID LIMIT (%)	N/a
PLASTIC LIMIT (%)	N/a
PLASTIC INDEX (%)	N/a
LINEAR SHRINKAGE (%)	N/a
INSTABILITY INDEX (%)	N/a
SHRINK SWELL INDEX, I_{ss} (%)	3.4
PREDICTED SURFACE MOVEMENT	60mm

Please note that the Plasticity Index (PI) determined by the Atterberg Test may be correlated to an Instability Index (I_{ps}) with reference to the results of extensive testing carried out by others, notably, Dr P Mitchell, 'Footings for Small Scale Domestic Structures,' March 1990.

Yours Sincerely,



(Michael Pinkney - Office Manager- QBCC Licence No. 1018403)

LIMITATIONS

Recommendations given in this report are based on the information supplied by the client regarding the proposed building construction in conjunction with the findings of the investigation. Any change in construction type, building location or omission in the client supplied information, may require additional testing and/or make the recommendations invalid.

The recommendations herein identify a target soil stratum into which the footings are to be founded. The target stratum has been located by the depth in mm of the target stratum's upper horizon boundary below the existing ground surface level at the time of the site investigation. Any cutting or filling works and any surface erosion or deposits subsequent to the site investigation, will alter the measured location of the stratum relative to the surface. Where required, the author should be notified in such cases to confirm the location of the target stratum.

The description of the soil given in the Soil Profile section of this report is intended as a brief overview of the soil's primary constituents. For a detailed classification of the soil, the reader should refer to the Soil Profile Reports and/or Borehole Reports attached to this report.

Every reasonable effort has been made to locate the test sites so that the borehole profiles are representative of the soil conditions within the area investigated. The client should be made aware however, that exploration is limited by time available and economic restraints. In some cases, soil conditions can change dramatically over short distances, therefore, even careful exploration programs may not locate all the variations.

If soil conditions different from those shown in this report are encountered or are inferred from other sources, then the author must be notified immediately.

This report may not be reproduced except in full. The information and drawings provided with this report shall only be used and will only be applicable for the development shown on the client supplied information provided for this site.

Any dimensions, contours, slope directions and magnitudes shown on the Test Locality Plan shall not be used for any building construction or costing calculations. The purpose of the plan is to show approximate location of field tests only.

Any changes made to these recommendations by persons unauthorised by the author will legally be interpreted as that person assuming the responsibility for the long-term performance of the footing system.

The recommendations contained in this report have not taken into consideration the long-term effects of any previous, current or potential subsurface work by mining companies or potential slope instability problems. At the time of writing this report neither our client (nor his agent) nor the local authority had made the author aware that these problems may be affecting this allotment. If a mining subsidence or slope stability assessment is required for this allotment, the recommendations of a suitably qualified geotechnical engineer should be sought.

SOIL PROFILE REPORT

CLIENT:	STROUD HOMES	AUTHORISED	STROUD HOMES
	CALOUNDRA	BY:	CALOUNDRA
PROJECT:	LOT 51 CREEKLINE	DATE TESTED:	02/02/2022
	PLACE, MOOLOOLAH	JOB NO:	22/0016
	VALLEY		

Drilling Method: Jacro 105 100mm.					Borehole No.1	
Depth (mm)	Description	PENET. (blows per 100mm)				Est. Bearing Capacity (kPa)
		1	2	3	4	
0	FILL SANDY CLAY (CI)-Medium plasticity, grey, fine to coarse sand, moist, stiff					100
100		3				
200		4				
300		8				
400	FILL SANDY CLAY (CH)-High plasticity, red-brown to pale grey, fine to coarse sand, moist, stiff	7				150
500		6				
600		5				
700		4				
800		4				100
900		4				
1000		5				
1100		5				
1200	FILL SANDY CLAY (CI)-Medium plasticity, pale brown, fine to coarse sand, moist, stiff	4				150
1300		5				
1400		5				
1500		5				
1600	Hole Terminated	5				150
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						

SOIL PROFILE REPORT

CLIENT:	STROUD HOMES	AUTHORISED	STROUD HOMES
	CALOUNDRA	BY:	CALOUNDRA
PROJECT:	LOT 51 CREEKLINE	DATE TESTED:	02/02/2022
	PLACE, MOOLOOLAH	JOB NO:	22/0016
	VALLEY		

Drilling Method: Jacro 105 100mm.					Borehole No.2	
Depth (mm)	Description	PENET. (blows per 100mm)				Est. Bearing Capacity (kPa)
		1	2	3	4	
0	FILL SANDY CLAY (CI)-Medium plasticity, grey, fine to coarse sand, moist, stiff					100
100			3			
200			5			
300			8			
400	FILL SANDY CLAY (CH)-High plasticity, red-brown to pale grey, fine to coarse sand, moist, stiff		9			150
500			7			
600			6			
700			4			
800	FILL SANDY CLAY (CI)-Medium plasticity, pale brown, fine to coarse sand, moist, stiff		4			100
900			4			
1000			5			
1100			7			
1200	FILL SANDY CLAY (CH)-High plasticity, red-brown to pale grey, fine to coarse sand, moist, stiff		7			150
1300			8			
1400			9			
1500			6			
1600	FILL SANDY CLAY (CI)-Medium plasticity, pale brown, fine to coarse sand, moist, stiff		6			150
1700						
1800						
1900						
2000	Hole Terminated					
2100						
2200						
2300						
2400						



2500				
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Site- LOT 51 CREEKLINE PLACE, MOOLOOLAH VALLEY

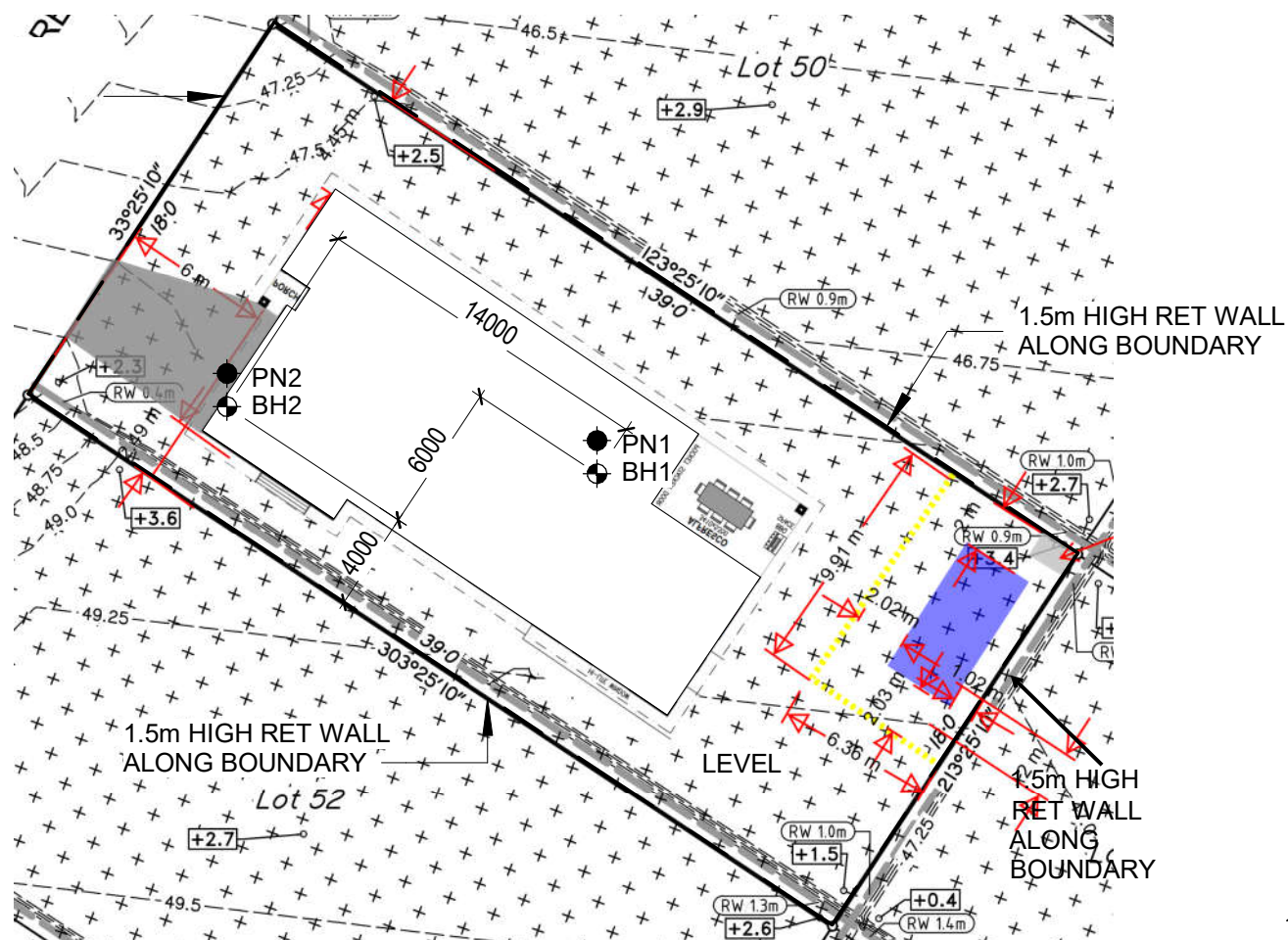


Global Testing
THE ONLY NAME IN SOILS

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3/53 Gateway Drive, Noosaville 4566
globaltesting@westnet.com.au



TEST LOCATION PLAN



1. Locations are Approximate
2. Not to Scale
3. For Illustrative purposes only

Legend:

-  Borehole Location
-  DCP Location
-  Percolation Location
-  Trees
-  North Direction