

INDEPENDENT SOIL TESTING

**MULHCORP PTY LTD
T/AS INDEPENDENT SOIL TESTING
P.O. Box 3234
Victoria Point West Qld 4165**

**Telephone: (07) 55 109 148
Mobile: Michael Mulholland 0421 180 040**

Email: info@insoil.com.au

16th January 2024

Wilson Design & Build

Site location: 25 Blackbutt Street, Crestmead Job ref: 24/18

Dear Sir,

Please find attached soil report carried out at the above location.

This site has been classified "P" due to low bearing capacity in the top 1.0m of strata.

Material taken from site for laboratory testing is of a "H2" classification but under the guidelines of AS2870 we must classify this site "P".

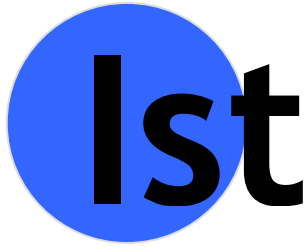
***For plumbing purposes, articulation for plumbing fixtures will be required on this site.
"H2" class soils.***

Any cut/fill operations carried out after this report may change the classification.

If you have any further queries, please do not hesitate to contact our office.

Yours faithfully
INDEPENDENT SOIL TESTING

Michael Mulholland
Manager



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**REPORT ON FIELD AND LABORATORY TESTING
PROPOSED SECONDARY DWELLING FOR
WILSON DESIGN & BUILD**

STREET N°: 25 BLACKBUTT STREET, CRETMEAD

SITE CLASSIFICATION "P"

<u>DIRECTION OF SLOPE</u>	<u>SLOPE</u>	<u>SURFACE VEGETATION</u>	<u>SURFACE DRAINAGE</u>
South West	Slight	Grassed	Fair

FIELD WORK

Test bores were put down on the site using a truck mounted power auger.

Disturbed and undisturbed samples were obtained in representative soils for checking of field classifications and laboratory testing.

Dynamic cone penetrometer test or pocket penetrometer test were carried out adjacent or within the bores to provide an indication of density of cohesionless soils and strengths in cohesive soils.

Test bore locations are as follows:

- **bore no. 1 - : See appendix A2 for location**

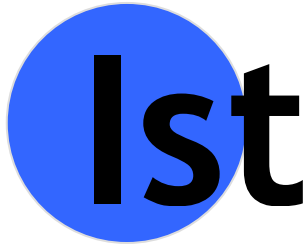
Soil Profiles and Dynamic Cone penetrometer test or pocket penetrometer test results at the test bore locations are given in Appendix A1, attached. Appendix A2 contains information useful in interpreting field and laboratory tests.

LABORATORY WORK

Testing was carried out on samples recovered during the fieldwork to determine plasticity and shrinkage of the founding soils. Test results are presented in Appendix A2, attached.

Authorised Signatory

Michael Mulholland



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APPENDIX A1

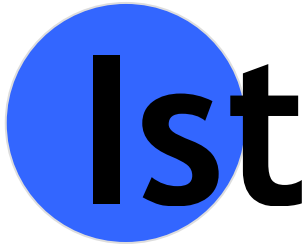
BORELOGS

Date: 16th January 2024

25 Blackbutt Street, Crestmead Job no: 24/18

BOREHOLE NO. 1

Depth (m)	SOIL CLASSIFICATION	kPa
0.1	SILTY SAND	
0.2	Very moist loose	
0.3	Grey	
0.4	SILTY VERY SANDY CLAY	30
0.5	Very moist soft	
0.6	Grey	
0.7	SILTY SANDY CLAY	40
0.8	Moist soft to firm	50
0.9		
1.0	Grey/Lt Brown	70
1.1	SANDY SILTY CLAY	100
1.2		
1.3	Moist stiff to very stiff	120
1.4		
1.5		150
1.6	Grey/Lt Brown/Orange/Red	
1.7	VERY SILTY CLAY TRACE OF SAND	
1.8	Moist very stiff	180
1.9		
2.0	Grey/Red	
2.1	EXTREMELY WEATHERED ROCK	
2.2		
2.3		
2.4		
2.5	UNABLE TO PENETRATE	400+
2.6	WEATHERED ROCK	
2.7		
2.8		
2.9		
3.0		
3.1		
3.2		
3.3		
3.4		
3.5		



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APPENDIX A2

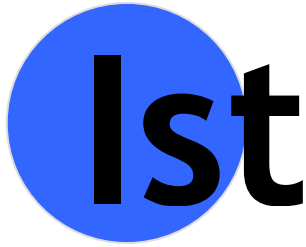
Date: 16th January 2024

SITE SKETCH (Not to Scale)

25 Blackbutt Street, Crestmead

Job no: 24/18





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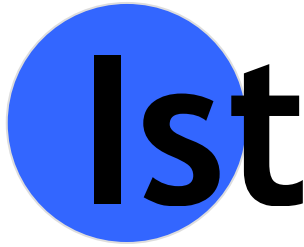
PHOTO OF SITE

Date: 16th January 2024

25 Blackbutt Street, Crestmead

Job no: 24/18





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LABORATORY TEST RESULTS

Date: 16th January 2024

25 Blackbutt Street, Crestmead

Job no: 24/18

SITE CLASSIFICATION "P"

BOREHOLE NO.	1
DEPTH IN METRES	1.1
NATURAL MOISTURE CONTENT %	27
LIQUID LIMIT %	68
PLASTIC LIMIT %	19
PLASTIC INDEX %	49
LINEAR SHRINKAGE %	18.5

TEST METHOD: AS 1289 2.1.1, 3.1.2, 3.2.1, 3.3.1, 3.4.1, 6.3.

Disclaimer:

The results contained in this report are accurate at the time of testing. Subsequent weather conditions can vary these results and create inconsistencies, especially in regard to bearing capacity. If at the time of excavation, there is any concerns or variations and differences from what has been reported, please contact us immediately. We will attend site free of charge, to confirm any discrepancies and assess the suitability of founding materials. Independent Soil Testing will not be held liable in the event that the soils do vary from those disclosed, and we have not been contacted to rectify any variances before a foundation has been installed.