

LOT CLASSIFICATION REPORT

Prepared for: Better Built Homes
Site Address: Lot 3 132-144 Mayfair Road
MULGOA



LOT CLASSIFICATION RESULTS

Site Classification in accordance with AS2870-2011

Site Classification

P

Soil Classification

M

Wind Classification

N1 (W28)

1.1 Ys value

Ys = 20 - 40


1.2 Soil sample sent to lab

No

1.3 Under slab services to be suspended

No



	Customer Job: 0300/2100	Ideal Job: 27464-BET	Date: 29-May-2017
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2.0 SITE ANALYSIS

Is there current evidence of the following that would likely effect this site?
NB: * denotes relevant to PROBLEM SITE

2.1* Existing fill (>400mm onsite)	<input type="checkbox"/> No
2.2* Fill suitable for founding	<input type="checkbox"/> No
2.3* Fill containing wood, metal, plastic or other deleterious materials	<input type="checkbox"/> No
2.4* Residential allotment (<1000m2) with over 1.6m fill	<input type="checkbox"/> No
2.5* Rural allotment (>1000m2) with over 2.4m fill	<input type="checkbox"/> No
2.6* Soft or collapsing soils	<input type="checkbox"/> No
2.7* Are there any trees (or removed trees) on site or adjoining site? If Yes Show locations at 6.0)	<input checked="" type="checkbox"/> Yes

	Large 4m+	Group	Onsite/Adjoining Site
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2.8 Floating boulders	<input type="checkbox"/> No
2.9 Rock (difficult excavation)	<input type="checkbox"/> Yes
2.10 Underground flowing water and/or seepage evidence	<input type="checkbox"/> No
2.11 Marine environment or other risk of corrosion	<input type="checkbox"/> No
2.12 Erosion	<input type="checkbox"/> No

3.0 INSPECTION OF SITE

3.1 Site status - platform slope is:

3.1.1 Rural / Acreage	○ Slope =	4 °	Fall direction	N To S
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3.2 Slope stability assessment recommended (≥11 Degrees) ☐ No

3.3 Are there any Retaining Walls supporting this site?
(if YES, show locations at 6.0). ☐ No

4.0 VISUAL OBSERVATION OF NEIGHBOURHOOD

4.1 Presence of rock
Is surface rock visible on this site or on adjoining lots, or is rock visible in nearby excavations? ☒ Yes

4.2 Existing masonry buildings
Is there significant cracking of existing masonry walls? ☐ No Type: New Estate

4.3 Indicators of movement in the following:
Roads, Kerbs, Pavements, Masonry Fences, and/or Ground Surfaces
Is there significant movement in any of the above? ☐ No

5.0 FIELD RECORD OF TEST BORING AND/OR IN SITU TESTING

Fill

Natural Soil

FOUNDING

Bore Hole 1			Bore Hole 2			Bore Hole 3					
Depth (m)	DCP 1	P.P	Soil Profile	Depth (m)	DCP 2	P.P	Soil Profile	Depth (m)	DCP 3	P.P	Soil Profile
0.0	3		NATURAL SILTY CLAY, CI brown, moist , stiff	0.0	3		FILL SILTY GRAVELLY CLAY, CI brown, moist , stiff	0.0	4		
	4				3				5		
	3				3				3		
	6				4				11		
0.5	21		ROCK (XW)	0.5	5		RESIDUAL SOIL (RS) SILTY CLAY , CI grey mottled brown, moist , stiff	0.5	40+		End 0.5m
	40+				4						
					4						
					8						
1.0			ROCK (XW)	1.0	17		ROCK (XW)	1.0			
					40+						
			End Bore 1m				End Bore 1.5m				
1.5				1.5				1.5			
2.0				2.0				2.0			
2.5				2.5				2.5			
3.0				3.0				3.0			
3.5				3.5				3.5			
4.0				4.0				4.0			
4.5				4.5				4.5			
5.0				5.0				5.0			
5.5				5.5				5.5			
6.0				6.0				6.0			

Notes: DCP = Dynamic Cone Penetrometer blow counts (blows/100mm)

P.P = Pocket Penetrometer (Undrained Shear Strength C_u)

PSP = Perth Sand Penetrometer (blows/100mm)

UTP = Unable to penetrate

TABLE 5.1 For SAND correlation between Density Index & Penetrometer results			TABLE 5.2 For SILTS & CLAY correlation between C_u & Penetrometer results			
DENSITY Term	Density Index (%)	Approx DCP Blow Count (blows/100mm)	CONSISTENCY Term	Undrained Shear Strength (kPa)	Approx DCP Blow Count (blows/100mm)	PP Idial indicator)
Very Loose	< 15	< 1	Very Soft	0 - 12	< 1	0 to < 0.2
Loose	15 to <35	1 to <3	Soft	12 to <25	1 to < 2	0.2 to <0.5
Medium Dense	35 to <65	3 to <9	Firm	25 to <50	2 to <3	0.5 to <1
Dense	65 to <85	9 to <15	Stiff	50 to <100	3 to <5	1 to <2
Very Dense	> 85	> 15	Very Stiff	100 to <200	5 to <8	2 to <4
			Hard	> 200	> 8	>4

6.0 LOCATION OF BOREHOLES

The location of boreholes are marked and numbered as set out on the following site sketch. (Not to scale)



7.0 COMMENTS & RECOMMENDATIONS

7.1 Site notes:

8.0 CERTIFICATION

The attachment of the signature below is to certify that this report has been compiled in accordance with Australian Standards AS2870-2011, AS1726-1993 and AS3798-2007

Yours Faithfully

[Signature]

Miles Opacic BE (Civil)