



Customer :	Robberg Quarry	Project :	Yard
	Po Box 3021	Date Received :	04/02/13
	Plettenberg Bay	Date Reported :	22/02/13
Attention :	6600	Req. Number :	0200/13
	R Julian	No. of Pages :	1

TEST REPORT

CALIFORNIA BEARING RATIO - (TMH 1 Method A1(a),A2,A3,A4,A5,A7,A8)

Material Indicators				Opinion		Opinion	
Sample Position (SV)		Stockpile	Spec.				
Depth (mm)		N/A	G7 -				
Sample No		50013	TRH 14				
Materials Description	Source	Robberg Quarry					
	Colour	Dark Brown Yellowish					
	Soil Type	Crushed Quartzitic Sandstone					
	Classification	Proposed SSG G7					
Max. Stone size in hole (mm)							
Percentage Passing	75.0 mm	100					
	63.0 mm	100					
	53.0 mm	100					
	37.5 mm	100					
	26.5 mm	94					
	19.0 mm	88					
	13.2 mm	76					
	4.75 mm	53					
	2.00 mm	44					
	0.425 mm	31					
0.075 mm	11.1						
Soil Mortar & Constants							
Grading Modulus		2.14	≥0.75	✓			
Coarse Sand <2.0 >0.425		29.5					
Med. <0.250 >0.150		45.2					
Silt <0.075		25.2					
Liquid Limit (%)		14					
Plasticity Index (%)		2	≤12	✓			
Linear Shrinkage (%)		1.0					
CBR / Density Relationship							
MOD	Max Dry Density (kg/m ³)	2226					
	Opt Moisture Content (%)	4.9					
	Mould Moisture Con. (%)	5.2					
	@ 100% Mod AASHTO	99.9					
	Swell (%)	0.00	≤1.5	✓			
NRB	100% NRB	96.1					
	Swell (%)	0.02					
	100% Proctor	92.9					
Proc	Swell (%)	0.03					
	@ 100% Mod AASHTO	83					
CBR	@ 98% Mod AASHTO	75					
	@ 95% Mod AASHTO	64					
	@ 93% Mod AASHTO	56	≥15	✓			
	@ 90% Mod AASHTO	44					
	Insitu Moisture Content (%)						
Soil Classification							
TRH 14		G7					
PRA System		A-1-b / A-2-4					
Unified System		GP-GM					

- Specimens sampled by Outeniqua Lab according to sampling Plan TMH 5 Methods MB1 & MC1
- Specimens sampled by : M Sangwe
- The weather conditions are such that there is no detrimental effect on the sample taken.

L Heathcote (Director)
For Outeniqua Lab (Pty) Ltd
Technical Signatory

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- The opinion column is an interpretation of the direct comparison between the quoted specification and the single test sample results obtained. The compliant (✓), non compliant (×) and uncertain (*) opinion indicators are based on an approximate 95% level of confidence with reference to SAMM GUIDANCE 1, Issue 2 : 20 June 2007 Section 2.
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