



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.	Opinion				50009	
Depth (mm)	N/A	G7 -						
Sample No	50009	TRH 14						
Materials Description	Robberg Quarry Light Brown Crushed Quartzitic Sandstone Proposed -28mm SSG (G7)							
Source	Robberg Quarry							
Colour	Light Brown							
Soil Type	Crushed Quartzitic Sandstone							
Classification	Proposed -28mm 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	100						
	19.0 mm	95						
	13.2 mm	79						
	4.75 mm	41						
	2.00 mm	27						
	0.425 mm	16						
0.075 mm	7.4							
Soil Mortar & Constants								
Grading Modulus	2.49	≥0.75	✓					
Coarse Sand <2.0 >0.425	41.0							
Med. <0.250 >0.150	31.9							
Silt <0.075	27.1							
Liquid Limit (%)	16							
Plasticity Index (%)	4	≤12	✓					
Linear Shrinkage (%)	2.0							
CBR / Density Relationship								
MOD	Max Dry Density (kg/m³)	2242						
	Opt Moisture Content (%)	6.2						
	Mould Moisture Con. (%)	6.5						
	@ 100% Mod AASHTO	100.1						
	Swell (%)	0.02	≤1.5	✓				
NRB	100% NRB	96.0						
	Swell (%)	0.02						
	100% Proctor	93.0						
CBR	Swell (%)	0.06						
	@ 100% Mod AASHTO	161						
	@ 98% Mod AASHTO	139						
	@ 95% Mod AASHTO	107						
	@ 93% Mod AASHTO	85	≥15	✓				
@ 90% Mod AASHTO	53							
Insitu Moisture Content (%)								
Soil Classification								
TRH 14	G7							
PRA System	A-1-a / 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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