

ROADLAB/MOSSLAB JV

Civil Engineering Materials Laboratory

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Client:	V3 Consulting Engineers
	P.O. Box 730
	Mossel Bay
	6500
Attention:	Danie Wessels

SOIL ANALYSIS TEST REPORT

Job No:	M11702	
Order No:	-	
Sample No:	6068	
Project Information:	Development of the farm Outeniquasbosch 149 and part 10 & 28 of the farm Hartenbos 217	
Number of pages:	2	
Date Received:	04/10/2018	
Date Sampled:	05/10/2018	
Sampled by:	Roadlab Mosslab JV	
Sample plan included:	-	
Environmental Conditions:	Sunny	
Delivered by:	Roadlab Mosslab JV	
Sampling method:	TMH5	
Source of sample	TP F	
Condition of sample:	Good	
Subcontractor (if any)	-	
Material description:	Silty sandy clay	
Tests Requested/Method:	SANS	
	Grading	SANS 3001-GR1
	Atterberg Limits	SANS 3001-GR10
	M.D.D	SANS 3001-GR30
	C.B.R.	SANS 3001-GR40
Sampling of:		
Date Completed:	22/10/2018	

Notes

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-
-
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Remarks:

1. All tests marked (#) are not included in our schedule of Accreditation.
2. The results reported relate only to the sample tested, Further use of the above information is not the responsibility or liability of Roadlab Mosslab JV (Mossel Bay).
3. This document is the correct record of all measurements made, and may not be reproduced other than with full written approval from the Technical Manager of Roadlab Mosslab JV .
4. Measuring equipment is traceable to national standards (Where applicable).
5. Samples will be retained, for a three month period, before disposal.
6. Tests are reported with an approximate 95% level of confidence.
7. Uncertainty of measurement will only be reported if requested by the client.

Technical Signatory
Jaco van Rensburg

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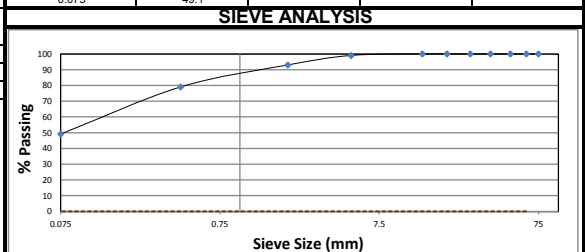
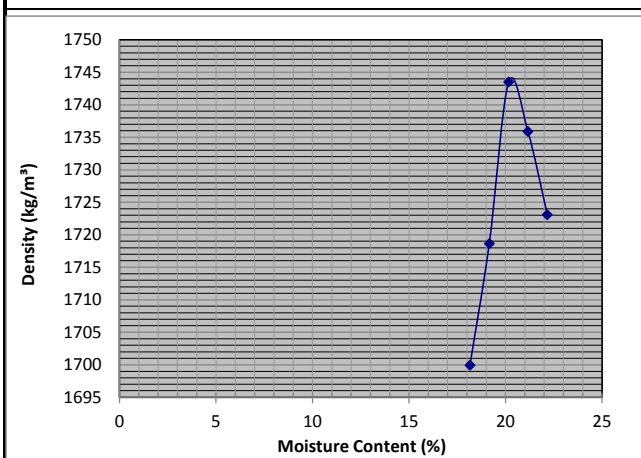
Client:	V3 Consulting Engineers P.O. Box 730 Mossel Bay 6500	Date Reported:	25/10/2018	Job nr:	M11702
Attention:	Danie Wessels	Specification:	COLTO	Order no:	-
		Project:	Development of the farm Outeniquasbosch 149 and part 10 & 28 of the farm Hartenbos 217		

SOIL ANALYSIS TEST REPORT

SAMPLE INFORMATION						MATERIAL PROPERTIES				
Material Description	Silty sandy clay					GRADING		G9	Uncertainty	Opinion
Source	TP F	Position/ Layer	2nd Layer			Sieve Size	% Passing	Specifications		✓ or x
Date Received	04/10/2018	Date Tested	22/10/2018			75	100			
Sampling Method	TMH5	Sample Number	6068			63	100			
MOD Analysis						50	100			
MDD	1744	kg/m³	OMC	20.2	%	37.5	100			
Method	Scalped	% Scalped	0.0		%	28	100			
Uncertainty						20	100			
MDD		kg/m³	OMC		%	14	100			
						5	99			
						2	93			
						0.425	79			
						0.075	49.1			

SIEVE ANALYSIS

Sieve Size (mm)	Percent Passing (%)
75	100
63	100
50	100
37.5	100
28	100
20	100
14	100
5	99
2	93
0.425	79
0.075	49.1



Test	Results	Specifications	Opinion
Grading Modulus	0.8	0.75 < 2.7	✓
Coarse Sand Ratio	15	N/A	
Strength			
10% FACT (kN)		Mudrock Only	
CBR			
Moulding MC%	20.4		
CBR @ 98%	7		
CBR @ 97%	6		
CBR @ 95%	4		
CBR @ 93%	3	Min 7	✗
CBR @ 90%	2		



Swell			
Swell @ 100%	0.9	Swell < 1.5%	✓
Durability			
ACV (%)			
Flakiness Index			
20mm < 28mm			
14mm < 20mm			
Atterberg Limits			
-0.425			
Liquid Limit	41		
Plastic Limit	29		
Linear Shrinkage	6.5		
LSx%Pass0.425	514		
Plasticity index	12	Max 12.4	✓
-0.075			
Liquid Limit	-		
Plastic Limit	-		
Linear Shrinkage	-		
Plasticity index	-		

Fractured Faces					
Size	Fractured Faces %	Size	Fractured Faces %	#N/A	
37.5		14			
28		5			
20		All>5			
		✓	In Spec		
		✗	Out of Spec		
		☐	Even with a 95% Certainty, Reading could be Out of Spec.		

Classification: <G9

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End of Report

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