ROADLAB/MOSSLAB JV
Civil Engineering Materials Laboratory

Bally Singel 7, Voorbaai, Mossel Bay
Tel. : (044) 695 2387. Fax.: 086 689 7135

P.O. Box 35, Hartenbos, 6520
e-mail : mosslab@roadlab.co.za

sanas Testing Laboratory T0716

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:	6050	
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:	04/10/2018	
Sampled by:	Roadlab Mosslab JV	
Sample plan included:	-	
Environmental Conditions:	Sunny	
Delivered by:	Roadlab Mosslab JV	
Sampling method:	TMH5	
Source of sample	TP C	
Condition of sample:	Good	
Subcontractor (if any)	-	
Material description:	Silty sandy quartzitic sandstone	
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
-
-
-
-
-

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.

Digitally signed by Jacobus Phillipus Van Rensburg
Date: 2018.10.25 07:39:13 +02'00'

Technical Signatory
Jaco van Rensburg

ROADLAB/MOSSLAB JV
Civil Engineering Materials Laboratory

Bally Singel 7, Voorbaai, Mossel Bay
Tel. : (044) 695 2387. Fax.: 086 689 7135
P.O. Box 35, Hartenbos, 6520
e-mail : mosslab@roadlab.co.za

sanas Testing Laboratory T0716

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

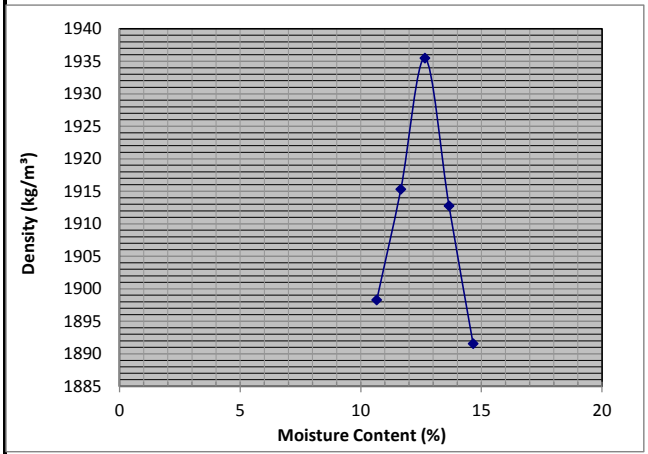
Material Description	Silty sandy quartzitic sandstone		
Source	TP C	Position/ Layer	2nd Layer
Date Received	04/10/2018	Date Tested	22/10/2018
Sampling Method	TMH5	Sample Number	6050

MOD Analysis

MDD	1935	kg/m³	OMC	12.7	%
Method	Scalped		% Scalped	12.4	%

Uncertainty

MDD		kg/m³	OMC		%



Fractured Faces

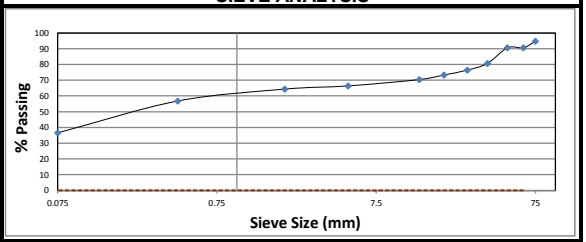
Size	Fractured Faces %	Size	Fractured Faces %	
37.5		14		#N/A
28		5		
20		All>5		

✓	In Spec
×	Out of Spec
☐	Even with a 95%Certainty, Reading could be Out of Spec.

MATERIAL PROPERTIES

GRADING		G9	Uncertainty	Opinion
Sieve Size	% Passing	Specifications		✓ or x
75	95			
63	91			
50	91			
37.5	81			
28	76			
20	73			
14	70			
5	66			
2	64			
0.425	57			
0.075	36.5			

SIEVE ANALYSIS



Test	Results	Specifications		Opinion
Grading Modulus	1.4	0.75<2.7		✓
Coarse Sand Ratio	12	N/A		
Strength				
10% FACT (kN)		Mudrock Only		
CBR				
Moulding MC%	12.8			
CBR @ 98%	12			
CBR @ 97%	11	-		
CBR @ 95%	9			
CBR @ 93%	7	Min 7		✓
CBR @ 90%	6	-		
Swell				
Swell @ 100%	0.5	Swell<1.5%		✓
Durability				
ACV (%)				
Flakiness Index				
20mm<28mm				
14mm<20mm				
Atterberg Limits				
-0.425				
Liquid Limit	37			
Plastic Limit	24			
Linear Shrinkage	5.0			
LSx%Pass0.425	284			
Plasticity index	13	Max 14.3		✓
-0.075				
Liquid Limit	-			
Plastic Limit	-			
Linear Shrinkage	-			
Plasticity index	-			
Classification:	**G9**			

Digitally signed by Jacobus Phillipus Van Rensburg
Date: 2018.10.25 07:39:35 +02'00'

Technical Signatory
Jaco van Rensburg

End of Report