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Client:	Zec 4 (Pty) Ltd
	P.O Box 154
	Hartenbos
	6520
Attention:	Dreyer van Zyl, 0825716279

SOIL ANALYSIS TEST REPORT

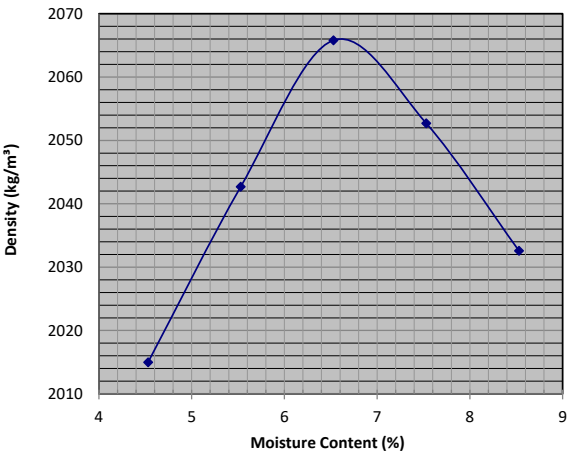
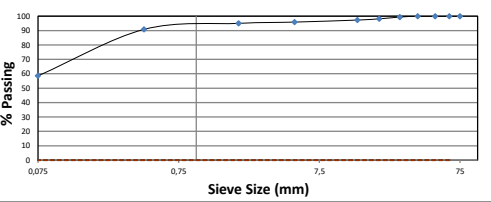
Job No:	TP18124	
Order No:	-	
Sample No:	2372	
Project Information:	Phase 12 & 14 Outeniquasbosch	
Number of pages:	2	
Date Received:	23/01/2023	
Date Sampled:	23/01/2023	
Sampled by:	TESTPRO Laboratory	
Sample plan included:	No	
Environmental Conditions:	Hot /	Sunny /
Delivered by:	TESTPRO Laboratory	
Sampling method:	TMH5:MA2	
Source of sample	Test Pit 1 (Phase 12)	
Condition of sample:	Good	
Conformity statement requested by client:	Yes	
Subcontractor (if any)	No	
Material description:	Yellowish Sandy Clay	
Tests Requested/Method:	SANS	
	Grading	SANS 3001-GR1
	Atterberg Limits	SANS 3001-GR10 & -GR20
	M.D.D	SANS 3001-GR30 & -GR20
	C.B.R.	SANS 3001-GR40 & -GR20
Date Completed:	31/01/2023	

Notes/Deviations

Remarks:

- All tests marked (#) are not included in our schedule of Accreditation.
- The results reported relate only to the sample tested. Statement of conformity are not made or implied in the report, unless required by the client. Review the results, expanded uncertainty, and specifications to ensure they meet your requirements.
The final decision rule will be the customers risk and not the Laboratory.
The Laboratory does not report a statement of conformity unless it is inherent in the requested specification or standard.
- 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 TESTPRO Laboratory.
- Measuring equipment is traceable to national standards (Where applicable).
- Samples will be retained, for a one month period, before disposal.
- Tests are reported with an approximate 95% level of confidence.
- Uncertainty of measurement will only be reported if requested by the client.
- Opinions & Interpretations are not included in our schedule of Accreditation.

Technical Signatory
Jaco van Rensburg

 TESTPRO LABORATORY Materials Testing Laboratory				 sanas Testing Laboratory 10552															
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SOIL ANALYSIS TEST REPORT																			
SAMPLE INFORMATION				MATERIAL PROPERTIES															
Material Description	Yellowish Sandy Clay			GRADING		G9													
Source	Test Pit 1 (Phase 12)	Position/ Layer	Layer 3	Sieve Size	% Passing	Specifications	Uncertainty												
Date Received	23/01/2023	Date Tested	31/01/2023	75	100														
Sampling Method	TMH5:MA2	Sample Number	2372	63	100														
MOD, BD & AD Analysis				50	100														
MDD	2066	kg/m ³	OMC	37.5	100														
BD	-		WA	28	99														
AD	-			20	98														
Method	Scalped	% Scalped	1,0	14	97														
Uncertainty				5	96														
MDD		kg/m ³	OMC	2	95														
				0.425	91														
				0.075	58.6														
				SIEVE ANALYSIS															
																			
				<table border="1"> <thead> <tr> <th>Test</th> <th>Results</th> <th>Specifications</th> <th>Opinion</th> </tr> </thead> <tbody> <tr> <td>Grading Modulus</td> <td>0,6</td> <td>0.75<2.7</td> <td>✗</td> </tr> <tr> <td>Coarse Sand Ratio</td> <td>4</td> <td>N/A</td> <td></td> </tr> </tbody> </table>				Test	Results	Specifications	Opinion	Grading Modulus	0,6	0.75<2.7	✗	Coarse Sand Ratio	4	N/A	
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				Grading Modulus	0,6	0.75<2.7	✗												
				Coarse Sand Ratio	4	N/A													
Strength (kN)																			
10% FACT (Dry)																			
10% FACT (Wet)																			
Wet/Dry Rel. (%)																			
CBR																			
Moulding MC%																			
CBR @ 98%																			
CBR @ 97%																			
CBR @ 95%																			
CBR @ 93%																			
CBR @ 90%																			
Swell																			
Swell @ 100%																			
Durability (%)																			
ACV (Dry)																			
ACV (Wet)																			
Flakiness Index																			
20mm<28mm																			
14mm<20mm																			
Atterberg Limits																			
Liquid Limit																			
Plastic Limit																			
Linear Shrinkage																			
LSx%Pass0.425																			
Plasticity index																			
Classification																			
<G9																			
Technical Signatory Jaco van Rensburg																			