

## Dear Sir/Madam,

Enclosed herewith, please find the original reports pertaining to the above-mentioned project.

Date Received	06-12-2022			
Date Tested	07-12-2022 to 12-12-2022			
Sample Location	See Reports			
Sampling Method	N/A			
Sample Condition	N/A			
Sampling Environmental Condition	N/A			
Sampler(s) Name	Client			
Total Number of Pages	2			
Test Carri	ed Out			
Consolidated-Drained Triaxial Compression Test With The	BS 1377: Part8:1990 including BS 1377: Part1:1990			
Consolidated-Undrained Triaxial Compression Test With The	BS 1377: Part8:1990 including BS 1377: Part1:1990			
Determination of The Undrained Shear Strength In A Triaxial	BS 1377: Part7:1990 including BS 1377: Part1:1990			
Determination of Shear Strength By Direct Shear	BS 1377: Part7:1990 including BS 1377: Part1:1990			
Detemination Of The One-Dimensional Consolidation Properties	BS 1377: Part5:1990 including BS 1377: Part1:1990			
K.H. Head - Falling Head Permeability	BS 1377: Part5:1990 including BS 1377: Part1:1990			

We would like to take this opportunity of thanking you for your continued support. Should you have any queries please do not hesitate to contact me.

Yours faithfully

Bradley Hariram for Geosure (Pty) Ltd.

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Page 1 of 2							

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e-mail: lab@ge Client :		Is Investigations (Pty) Ltd				www.geosure.co.	Job No :	GEO-638		
Project :	Geozone - The	Square of Thornville					Your Ref. :	-		
Attention : Mr B Govender Date Reported : 13-Dec-22										
PERMEABILITY										
		-	Falling Head F	Permeability Te	est					
	-	Ms S. Naicker								
	Date Tested:	07-12-2022 to 12-12-2022	TEST	REPORT						
Sample	Depth	Material	Field	Initial Moisture Content (%)	Initial Bulk Density (Mg/m3)	Specific	Degree Of	Coefficien Permeabili		
Number	(m)	Description			(WIG/113)	Gravity	Permeability	(cm/s)	-5	
2522	1.0-2.0m	Reddish orange sandy silty CLAY	P2771 @ 90% MOD	26.33%	1.667	2.61	Low to Very Low	2.21 x 10 2.21 x 10 <sup>-7</sup> (		
CLASSIFICATION OF SOIL ACCORDING TO PERMEABILITY										
Degree of Permeability  Range of Coefficient of Permeability, k (m/s)										
				-						
	High Greater than 10 <sup>-3</sup>									
		Medium Low	10 <sup>-3</sup> - 10 <sup>-5</sup> 10 <sup>-5</sup> - 10 <sup>-7</sup>							
		Very Low	10 <sup>-7</sup> - 10 <sup>-9</sup>							
		Practically Impermeable	Less than 10 <sup>-9</sup>							
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NOTE: Test specimens were Recompacted to 90 MOD. MOD Supplied by Client.										