NOORDKAAP GEOKON

Geological & Geotechnical Consultation & Materials Laboratory, KIMBERLEY Cell 082 821 0217

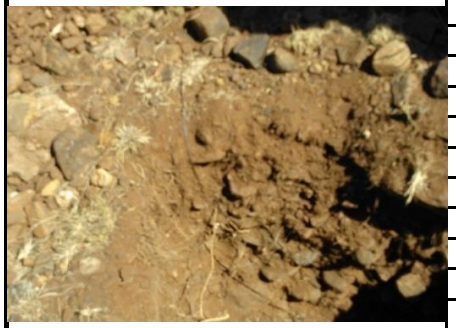
PROJECT: **Wrenchville : Kalara Development** **DATE:** 6 November 2013

CLIENT: Kalara Investments, Kuruman **JOB NO**

FIELD SURVEY : DATA SHEET

BORROW PIT NO.: **POSITION :** **Tn 1** **TRH Classification :**

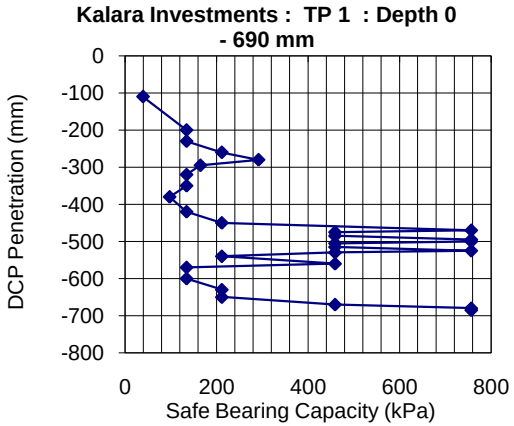
SOIL PROFILE



DESCRIPTION

Soil Horizon	Depth (mm)	Soil type
A	1000	Sandy red gravel.
B	>1000	Red gravel.

DCP PENETRATION



INDICATOR RESULTS

Sample no.	KC1431	KC1432		Sample no	KC1431	KC1432	
Horizon	A	B	C	Horizon	A	B	C
Sieve (mm)	% Passing			Sieve (mm)	% Passing		
> 75				0.425	70	73	
75	100	100		0.075	13	11.6	
63	98	98		C sand			
53	95	95		F sand			
37.5	87	89		Atterberg Limits			
26.5	81	85		LL			
19	75	78		LS			
13.2	75	77		PI	SP	SP	
4.75	72	75		GM	1.45	1.42	
2	71	74					

CBR RESULTS

Sample no		KC1431	KC1432	
Horizon		A	B	C
MDD				
OMC				
CBR @	100%			
	98%			
	95%			
	93%			
	90%			
Swell	MDD			
	NRB			
	PROC			

DCP Results

In situ		
Depth	CBR	kPa
300		150
600		100