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

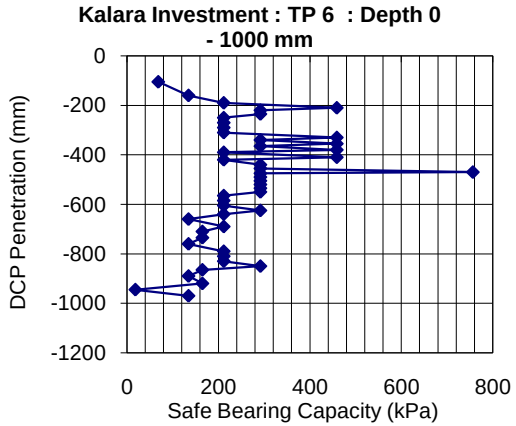
BORROW PIT NO.: **POSITION :** **Tn 6** **TRH Classification :**

SOIL PROFILE

DESCRIPTION

Soil Horizon	Depth (mm)	Soil type
A	600	Dry red sandy gravel.
B	>600	Dry red sandy gravel with large calcrete rocks

DCP PENETRATION



INDICATOR RESULTS

Sample no.	KC1438			Sample no	KC1438		
Horizon	A	B	C	Horizon	A	B	C
Sieve (mm)	% Passing			Sieve (mm)	% Passing		
> 75	100			0.425	69		
75	98			0.075	9.7		
63	98			C sand			
53	96			F sand			
37.5	88			Atterberg Limits			
26.5	82			LL			
19	74			LS			
13.2	74			PI	SP		
4.75	71			GM	1.51		
2	70						

CBR RESULTS

Sample no		KC1438		
Horizon		A	B	C
MDD		2184		
OMC		4.5		
CBR @	100%	80		
	98%	65		
	95%	43		
	93%	30		
	90%	11		
Swell	MDD			
	NRB			
	PROC			

DCP Results

In situ		
Depth	CBR	kPa
300		200
600		200
1000		150