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

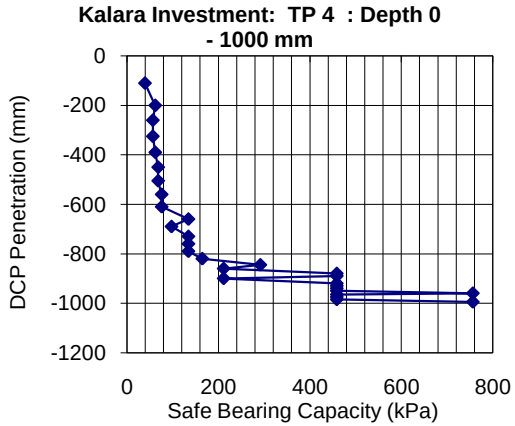
BORROW PIT NO.: **POSITION :** **Tn 4** **TRH Classification :**

SOIL PROFILE

DESCRIPTION

Soil Horizon	Depth (mm)	Soil type
A	400	Dry red sandy gravel
B	800	Sandy gravel wit calcretes stones.
C	1000	dry, soft calcrete

DCP PENETRATION



INDICATOR RESULTS

Sample no.	KC1435	KC1436	KC1437	Sample no	KC1435	KC1436	KC1437
Horizon	A	B	C	Horizon	A	B	C
Sieve (mm)	% Passing			Sieve (mm)	% Passing		
> 75		100	100	0.425	96	76	74
75		96	96	0.075	13.1	9.4	28.7
63			93	C sand			
53		94	90	F sand			
37.5		90	86	Atterberg Limits			
26.5		84	81	LL			
19	99	80	78	LS			
13.2	99	79	77	PI	SP	SP	SP
4.75	99	77	76	GM	0.93	1.38	1.23
2	98	77	75				

CBR RESULTS

Sample no		KC1435	KC1436	KC1437
Horizon		A	B	C
MDD				2158
OMC				5.6
CBR @	100%			133
	98%			103
	95%			61
	93%			39
	90%			18
Swell	MDD			
	NRB			
	PROC			

DCP Results

In situ		
Depth	CBR	kPa
300		70
600		95
1000		>200