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

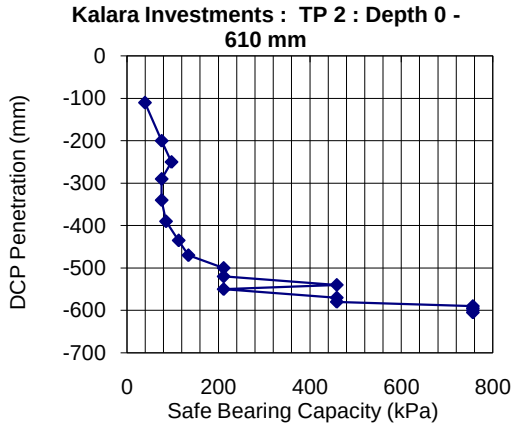
BORROW PIT NO.: **POSITION :** **Tn 2** **TRH Classification :**

SOIL PROFILE

DESCRIPTION

Soil Horizon	Depth (mm)	Soil type
A	400	Grey loam soil
B	700	Grey sandy gravel
C	1000	Yellow, dry, loam sand and gravel.

DCP PENETRATION



INDICATOR RESULTS

Sample no.	KC1428	KC1429	KC1430	Sample no	KC1428	KC1429	KC1430
Horizon	A	B	C	Horizon	A	B	C
Sieve (mm)	% Passing			Sieve (mm)	% Passing		
> 75		100		0.425	95	75	79
75		97		0.075	16.2	14.4	13.7
63		96		C sand			
53		95	100	F sand			
37.5	100	89	91	Atterberg Limits			
26.5	99	83	87	LL			20
19	98	78	83	LS			2
13.2	97	77	82	PI	SP	SP	4
4.75	96	76	81	GM	0.93	1.35	1.27
2	96	76	80				

CBR RESULTS

Sample no	KC1428	KC1429	KC1430
Horizon	A	B	C
MDD		2148	
OMC		8.3	
CBR @ 100%		132	
CBR @ 98%		107	
CBR @ 95%		71	
CBR @ 93%		50	
CBR @ 90%		19	
Swell MDD			
Swell NRB			
Swell PROC			

DCP Results

In situ		
Depth	CBR	kPa
300		100
600		>200