

MATROLAB (PTY) LTD

- CIVIL ENGINEERING SERVICES -
Reg.No.: 2003/029180/7 - VAT. Reg.No.: 4040210587

9b Wilken Street, Rocky Drift, White River, 1240
Posnet Suite #62, Private Bag x11326, Nelspruit, 1200

Tel. : 013 758 1302
Fax :
Email: gerrit.vanrooyen@sgs.com

TEST RESULTS

Lidwala Consulting Engineers
P.O Box 2930
Nelspruit
1200
Attention: Mr. Pieter de Jager

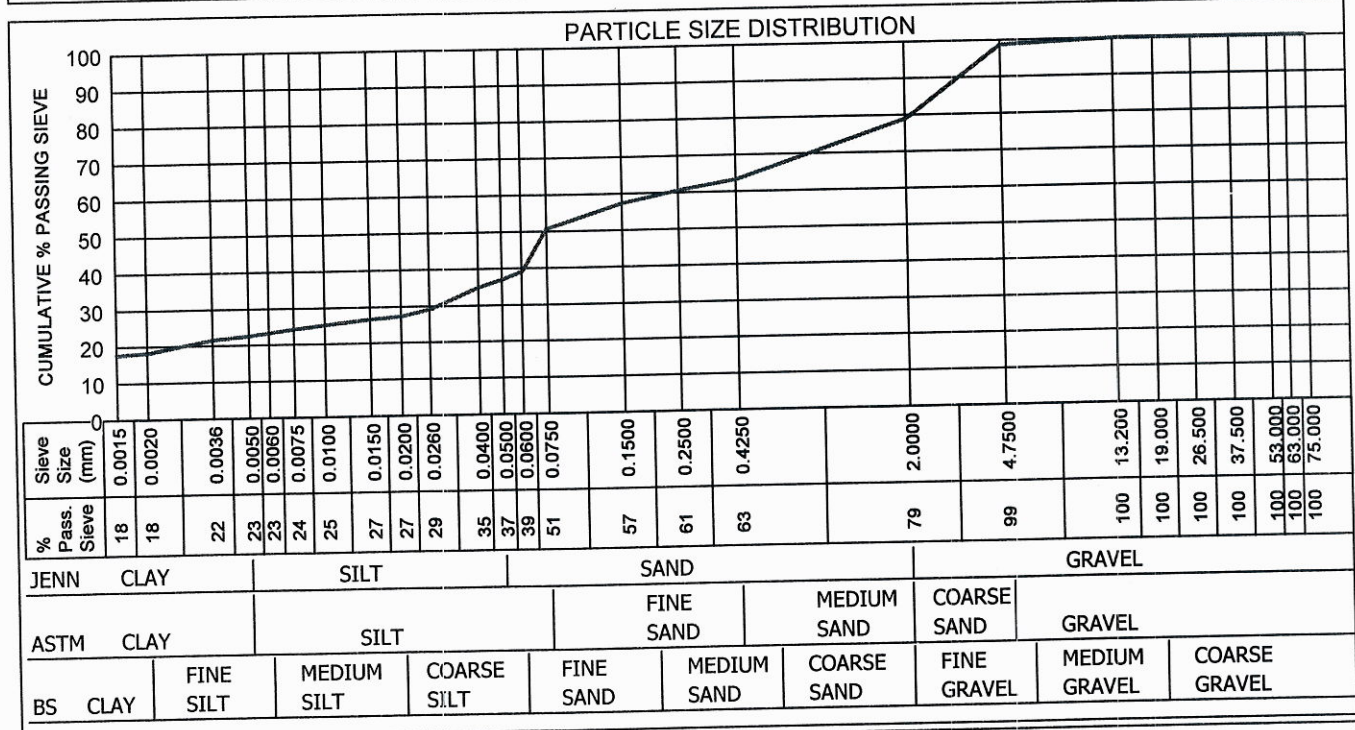
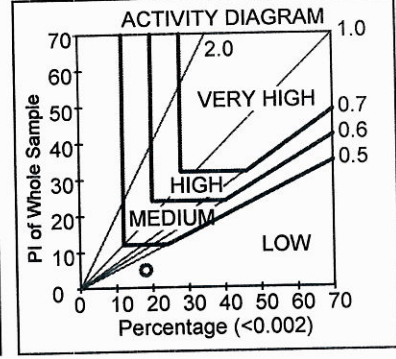
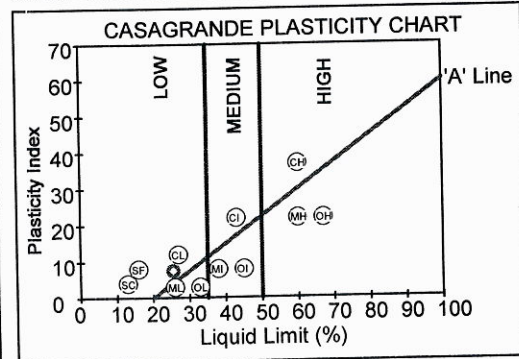
Project : Township Development at Mkhando Local Municipality
: Amsterdam
Your Ref :
Our Ref : 114302
Date Reported : 15/06/2016

FOUNDATION INDICATOR (ASTM: D422)

Sample No. : S6228
Hole No. : Tp16
Depth : 450-900
Liquid Limit (%) : 26
Plasticity Index : 8
Linear Shrinkage (%) : 3.5
PI of Whole Sample : 5
P.R.A. Classification : A-4(3)
Unified Soil Classificati: CL
Activity : 0.28
Heave Classification : LOW
Grading Modulus : 1.07
Percentage (<0.002) : 18.0
Moisture Content (%) : 0.0

Material Description : LIGHT YELLOWISH ORANGE CLAYEY SAND

	Clay (%)	Silt (%)	Sand (%)	Gravel (%)	Classification
Jennings	22.6	14.4	42.0	21.0	CLAYEY SAND
Astm	22.6	28.0	48.1	1.3	CLAYEY SAND
British Standard	18.2	20.9	39.9	21.0	CLAYEY SAND



Remarks :

FORM: A6

4.2.1R(SGS)(2016.02.12)

SANAS Technical Signatory : G.T. Van Rooyen