

SGS MATROCAST (PTY) LTD
- CIVIL ENGINEERING SERVICES -
Reg.No.: 2000/030983/07 - VAT. Reg.No.: 4130197405
a SANAS Accredited Testing Laboratory, No. T0245

BUILDING 2, 10 HYDRO STREET
STIKLAND INDUSTRIAL, BELLVILLE
Tel. : 021 9815558/9
Fax : 021 9416724
Email : gregory.bell@sgs.com

CLIENT : TRANSNET FREIGHT RAIL (RME)
ADDRESS : P.O.BOX 338
KASSELSVLEI
7533
ATTENTION : MR. B MANUAL

OUR REF.: 69164.1

YOUR REF.:

DATE : 19.06.2025

PROJECT : WOSELEY - SUBSTATION

SGS MATROCAST

a SANAS Accredited Testing Laboratory, No. T0245

Tests marked * "Not SANAS Accredited" in this Report are not included in the SANAS Schedule of Accreditation for the laboratory.

TEST REPORT / RESULTS

Sample/s: Sampled by : Client
Date Received / Sampled : 13.06.2025
Date Tested : 13.06.2025 - 19.06.2025
Tested at : SGS MATROCAST (PTY) LTD

Sampling method : Sampled by client and results apply to the sample as received

Section / Position tested identified by : CUSTOMER

Number of pages in this Report : 4

General : FOUNDATION INDICATOR TEST RESULTS.

Opinions and interpretations expressed herein are outside the Scope of SANAS Accreditation.
Results only have bearing on the samples tested.
This report may only be reproduced in full without any omission.
Sections may only be reproduced with written approval from SGS MATROCAST

This document is issued by the Company under its General Condition of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS MATROCAST (PTY) LTD
 - CIVIL ENGINEERING SERVICES -
 Reg.No.: 2000/030983/07 - VAT. Reg.No.: 4130197405
 a SANAS Accredited Testing Laboratory, No. T0245

BUILDING 2, 10 HYDRO STREET
 STIKLAND INDUSTRIAL, BELLVILLE
 Tel. : 021 9815558/9
 Fax : 021 9416724
 Email : gregory.bell@sgs.com

TEST RESULTS

TRANSNET FREIGHT RAIL (RME)
 P.O.BOX 338
 KASSELSVLEI
 7533
 Attention: MR. B MANUAL

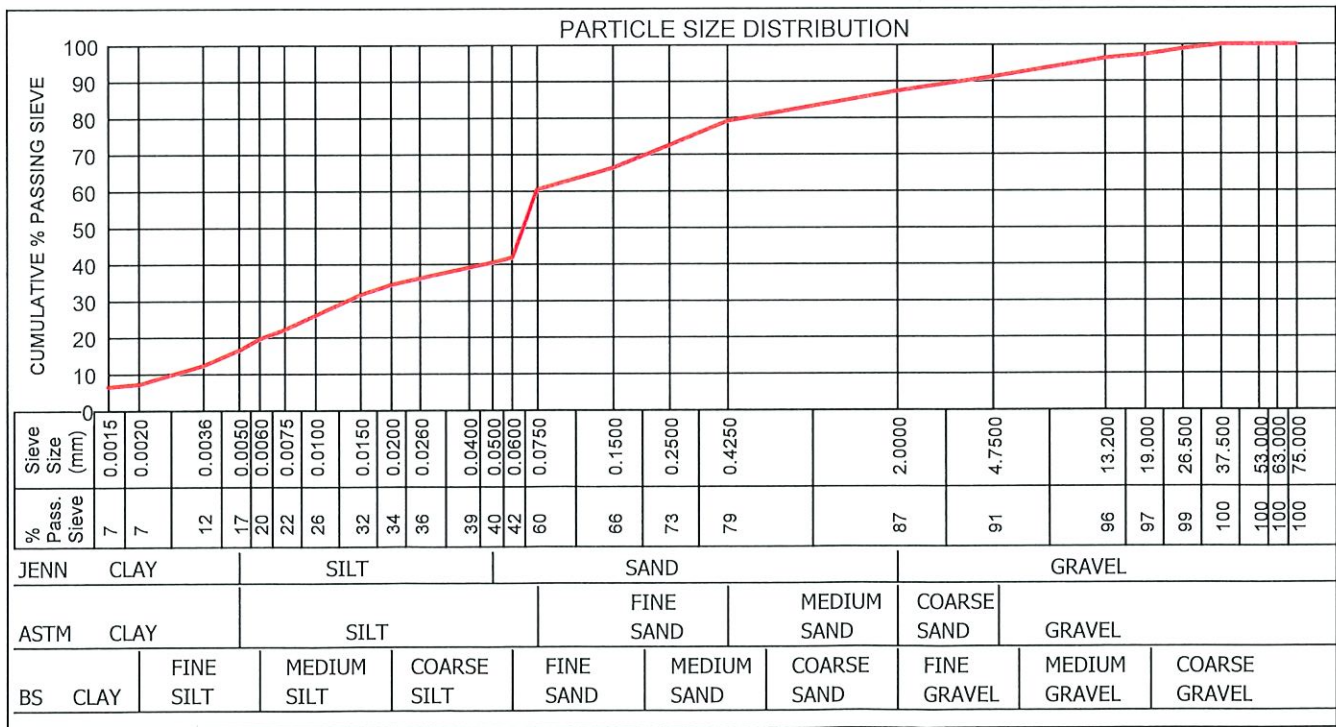
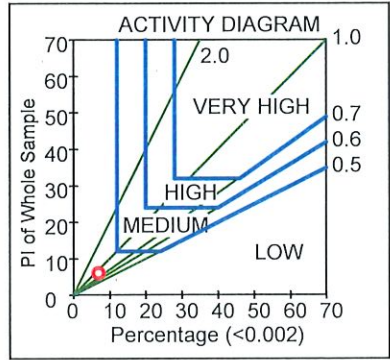
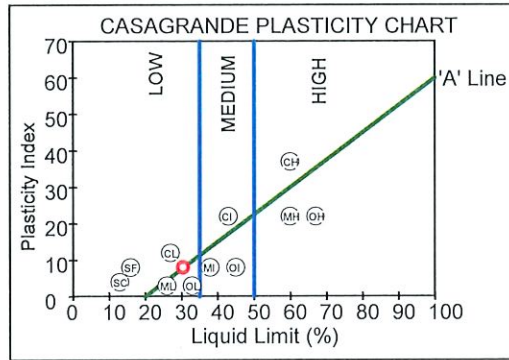
Project : WOLSELEY - SUBSTATION
 Your Ref :
 Our Ref : 69164
 Date Reported : 02.07.2025

FOUNDATION INDICATOR (ASTM: D422)

Sample No. : D 06892
 Hole No. : 1
 Depth : 1.30 - 2.50m
 Liquid Limit (%) : 31
 Plasticity Index : 8
 Linear Shrinkage (%) : 4,0
 PI of Whole Sample : 6
 P.R.A. Classification : A-4(5)
 Unified Soil Classificati: ML
 Activity : 0,86
 Heave Classification : LOW
 Grading Modulus : 0,74
 Percentage (<0.002) : 7,0
 Moisture Content (%) : 19,4
 Relative Density : 2,638

Material Description : Yellowish Clay

	Clay (%)	Silt (%)	Sand (%)	Gravel (%)	Classification
Jennings	16,6	23,8	47,0	12,6	SILTY SAND
Astm	16,6	43,8	30,7	8,8	SANDY SILT
British Standard	7,2	34,6	45,6	12,6	SILTY SAND



Remarks : Sampled and Delivered by customer in good condition.
 FORM: A6
 4.5.0(SGS)(2021.05.05) Technical Signatory : MR GREGORY BELL (N.DIP CIV.ENG) 2 Of 4

MATROCAST IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

This document is issued by the Company under its General Condition of Service accessible at http://www.sgs.com/en/Terms_and_Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SGS MATROCAST (PTY) LTD
 - CIVIL ENGINEERING SERVICES -
 Reg.No.: 2000/030983/07 - VAT. Reg.No.: 4130197405

BUILDING 2, 10 HYDRO STREET
 STIKLAND INDUSTRIAL, BELLVILLE
 Tel. : 021 9815558/9
 Fax : 021 9416724
 Email : gregory.bell@sgs.com

a SANAS Accredited Testing Laboratory, No. T0245

TEST RESULTS

TRANSNET FREIGHT RAIL (RME)
 P.O.BOX 338
 KASSELSVLEI
 7533
 Attention: MR. B MANUAL

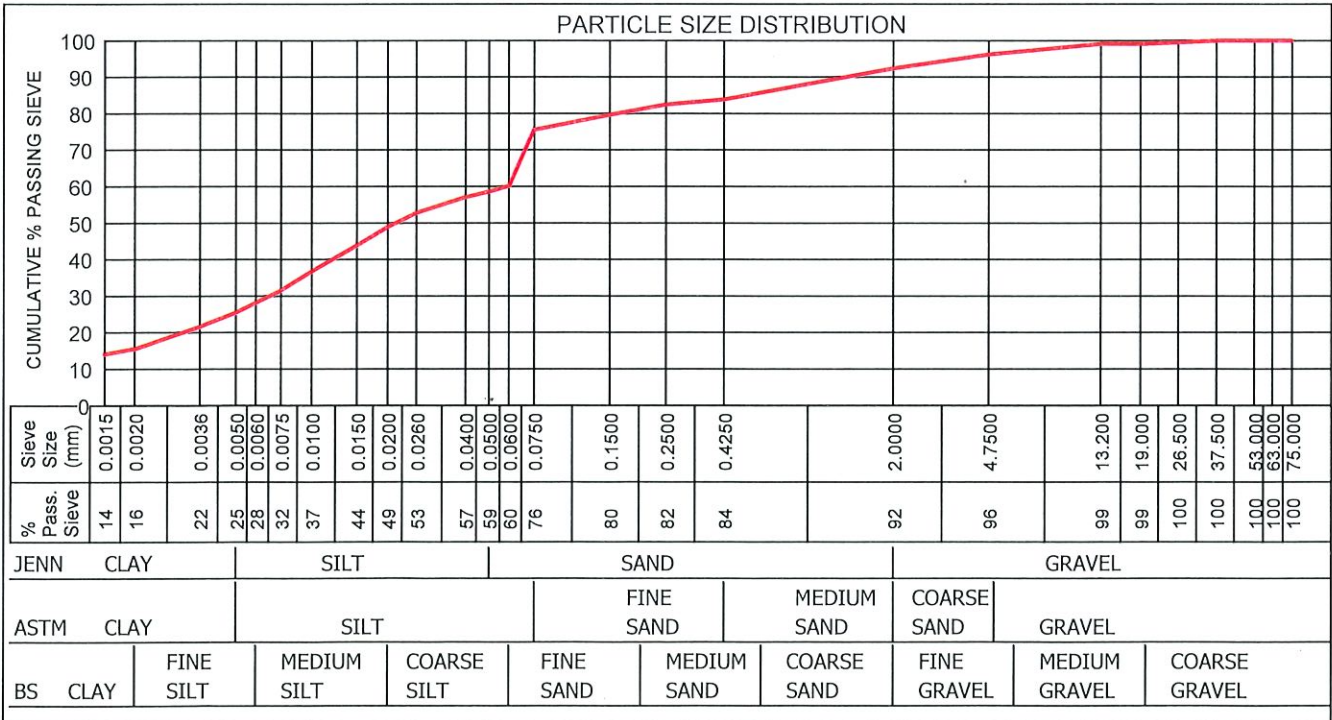
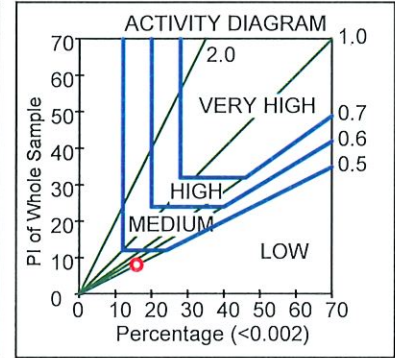
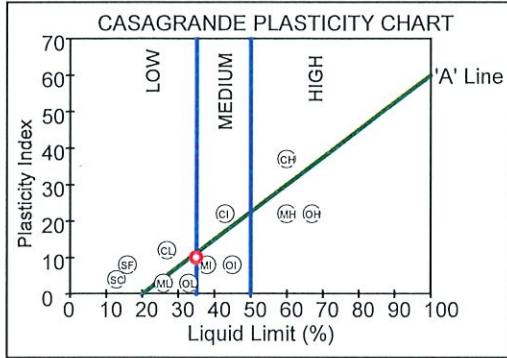
Project : WOLSELEY - SUBSTATION
 Your Ref :
 Our Ref : 69164
 Date Reported : 02.07.2025

FOUNDATION INDICATOR (ASTM: D422)

Sample No. : D 06893
 Hole No. : 2
 Depth : 1.0 - 2.0m
 Liquid Limit (%) : 35
 Plasticity Index : 10
 Linear Shrinkage (%) : 5,0
 PI of Whole Sample : 8
 P.R.A. Classification : A-4(8)
 Unified Soil Classificati: ML
 Activity : 0,50
 Heave Classification : LOW
 Grading Modulus : 0,48
 Percentage (<0.002) : 16,0
 Moisture Content (%) : 16,3
 Relative Density : 2,546

Material Description : Brown Clayey Sand

	Clay (%)	Silt (%)	Sand (%)	Gravel (%)	Classification
Jennings	25,5	33,1	33,8	7,6	CLAYEY SILT
Astm	25,5	50,0	20,7	3,8	CLAYEY SILT
British Standard	15,5	44,6	32,3	7,6	SANDY SILT



Remarks : Sampled and Delivered by customer in good condition.

FORM: A6

4.5.0(SGS)(2021.05.05)

Technical Signatory : MR GREGORY BELL (N.DIP CIV.ENG)

3 Of 4

MATROCAST IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

This document is issued by the Company under its General Condition of Service accessible at http://www.sgs.com/en/Terms_and_Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SGS MATROCAST (PTY) LTD
 - CIVIL ENGINEERING SERVICES -
 Reg.No.: 2000/030983/07 - VAT. Reg.No.: 4130197405
 a SANAS Accredited Testing Laboratory, No. T0245

BUILDING 2, 10 HYDRO STREET
 STIKLAND INDUSTRIAL, BELLVILLE
 Tel. : 021 9815558/9
 Fax : 021 9416724
 Email : gregory.bell@sgs.com

TEST RESULTS

TRANSNET FREIGHT RAIL (RME)
 P.O.BOX 338
 KASSELSVLEI
 7533
 Attention: MR. B MANUAL

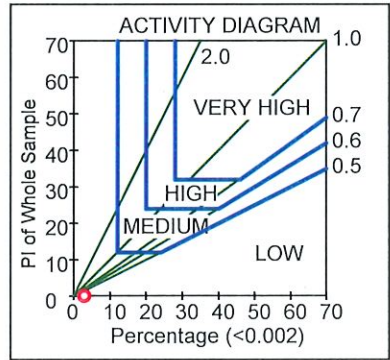
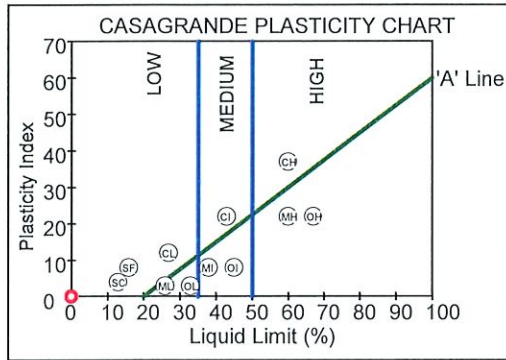
Project : WOLSELEY - SUBSTATION
 Your Ref :
 Our Ref : 69164
 Date Reported : 02.07.2025

FOUNDATION INDICATOR (ASTM: D422)

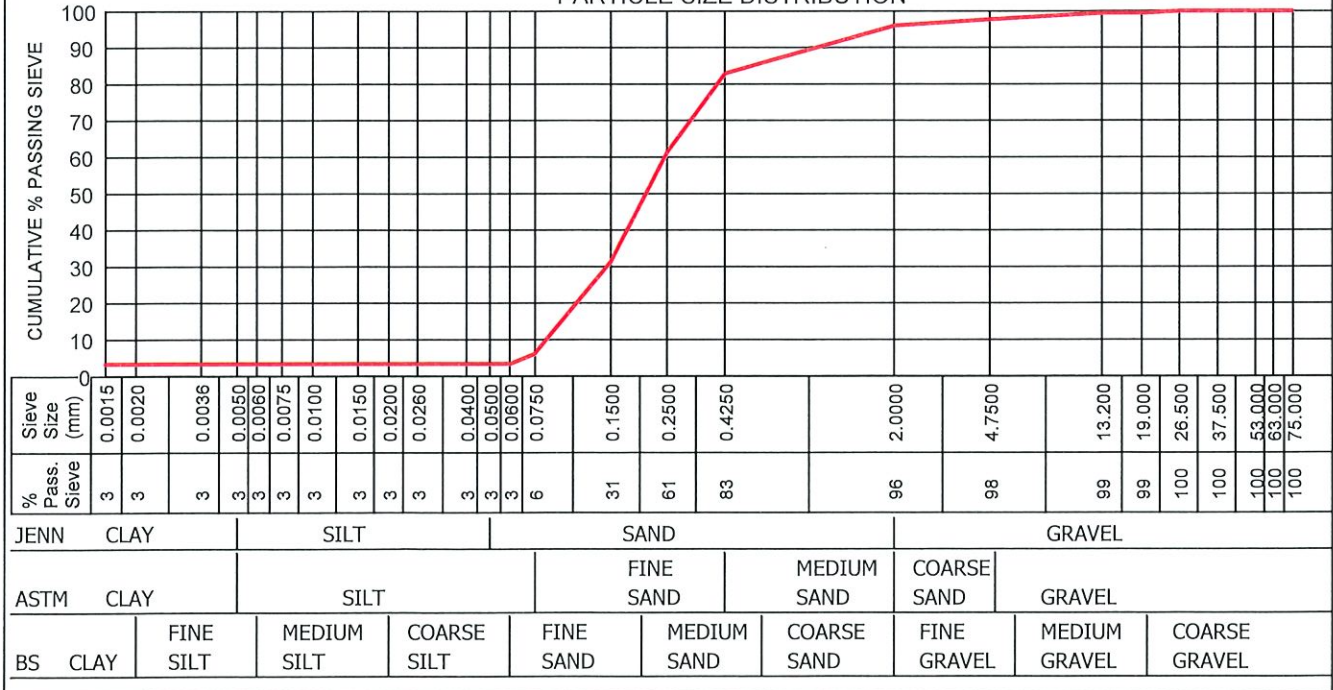
Sample No. : D 06894
 Hole No. : 3
 Depth : 0.15 - 1.0m
 Liquid Limit (%) : -
 Plasticity Index : NP
 Linear Shrinkage (%) : 0,0
 PI of Whole Sample : 0
 P.R.A. Classification : A-3(0)
 Unified Soil Classificati: SP-SC
 Activity : 0,00
 Heave Classification : LOW
 Grading Modulus : 1,15
 Percentage (<0.002) : 3,0
 Moisture Content (%) : 2,1
 Relative Density : 2,139

Material Description : Brown Sand

	Clay (%)	Silt (%)	Sand (%)	Gravel (%)	Classification
Jennings	3,3	0,0	92,7	4,0	SAND
Astm	3,3	2,7	91,6	2,3	SAND
British Standard	3,3	0,0	92,7	4,0	SAND



PARTICLE SIZE DISTRIBUTION



Remarks : Sampled and Delivered by customer in good condition.

FORM: A6

4.5.0(SGS)(2021.05.05)

Technical Signatory : MR GREGORY BELL (N.DIP CIV.ENG)

End Of Report

MATROCAST IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

This document is issued by the Company under its General Condition of Service Accessible at <http://www.sas.com/en/terms> and Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.