

TEST REPORT

Client Earth Environmental & Geotechnical Ltd

Address Houldsworth Mill Business & Arts Centre
Houldsworth Mill
Reddish
Stockport
SK5 6DA

Contract A5635 -
Moorgate Farm East

Job Number MRN 4589/98
Date of Issue 30 October 2023
Page 1 of 6

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

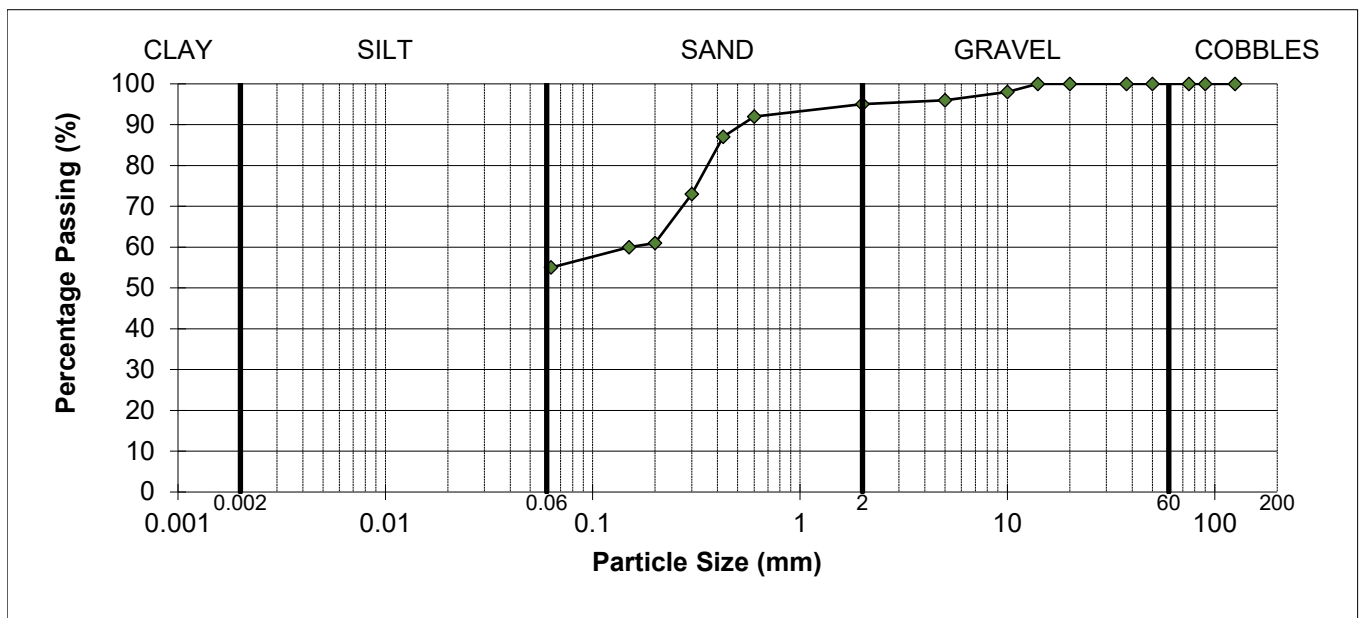
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A5635 - Moorgate Farm East
JOB NUMBER	MRN 4589/98

SAMPLE LABEL	WS1 D 1.00	DATE SAMPLED	03-Oct-23
LAB SAMPLE No	132093	DATE RECEIVED	04-Oct-23
DATE TESTED	09-Oct-23	SAMPLED BY	Client

MATERIAL	Brown silty sandy slightly gravelly CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		5	96	
90	100		2	95	
75	100		0.6	92	
50	100		0.425	87	
37.5	100		0.3	73	
20	100		0.2	61	
14	100		0.15	60	
10	98		0.063	55	



REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

30-Oct-23

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

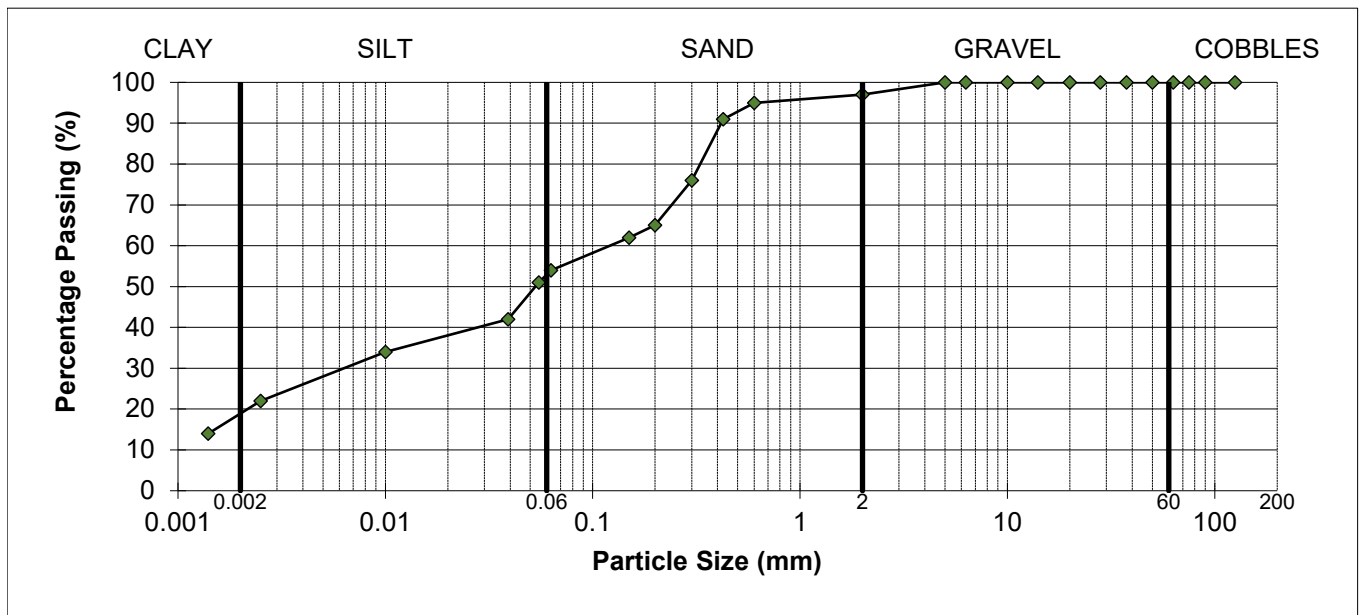
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A5635 - Moorgate Farm East
JOB NUMBER	MRN 4589/98

SAMPLE LABEL	WS4 D 1.50	DATE SAMPLED	03-Oct-23
LAB SAMPLE No	132096	DATE RECEIVED	04-Oct-23
DATE TESTED	09-Oct-23	SAMPLED BY	Client

MATERIAL	Grey silty sandy slightly gravelly CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	97	
90	100		0.6	95	
75	100		0.425	91	
63	100		0.3	76	
50	100		0.2	65	
37.5	100		0.15	62	
28	100		0.063	54	
20	100		0.055	51	
14	100		0.039	42	
10	100		0.01	34	
6.3	100		0.0025	22	
5	100		0.0014	14	



REMARKS

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O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

30-Oct-23

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE

DETERMINATION OF WATER-SOLUBLE SULPHATE IN SOIL
& DETERMINATION OF THE pH VALUE
BS 1377-3:2018+A1:2021, Cl. 7.3 & Cl. 12

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A5635 - Moorgate Farm East
JOB NUMBER	MRN 4589/98

DATE TESTED	09-Oct-23	DATE SAMPLED	03-Oct-23
SAMPLED BY	Client	DATE RECEIVED	04-Oct-23
PRE-TREATMENT	Air Dried	ADVISED SOURCE	Site Investigation Samples

Sample Number	Sample Label	Material	% Ret. 2mm	pH Value	Water Soluble Sulphate as SO ₄ (mg/l)
132094	WS1 D 1.00	Brown silty slightly sandy slightly gravelly CLAY	24	7.5	150
132096	WS4 D 1.50	Grey silty sandy slightly gravelly CLAY	35	7.3	120

REMARKS

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NAME



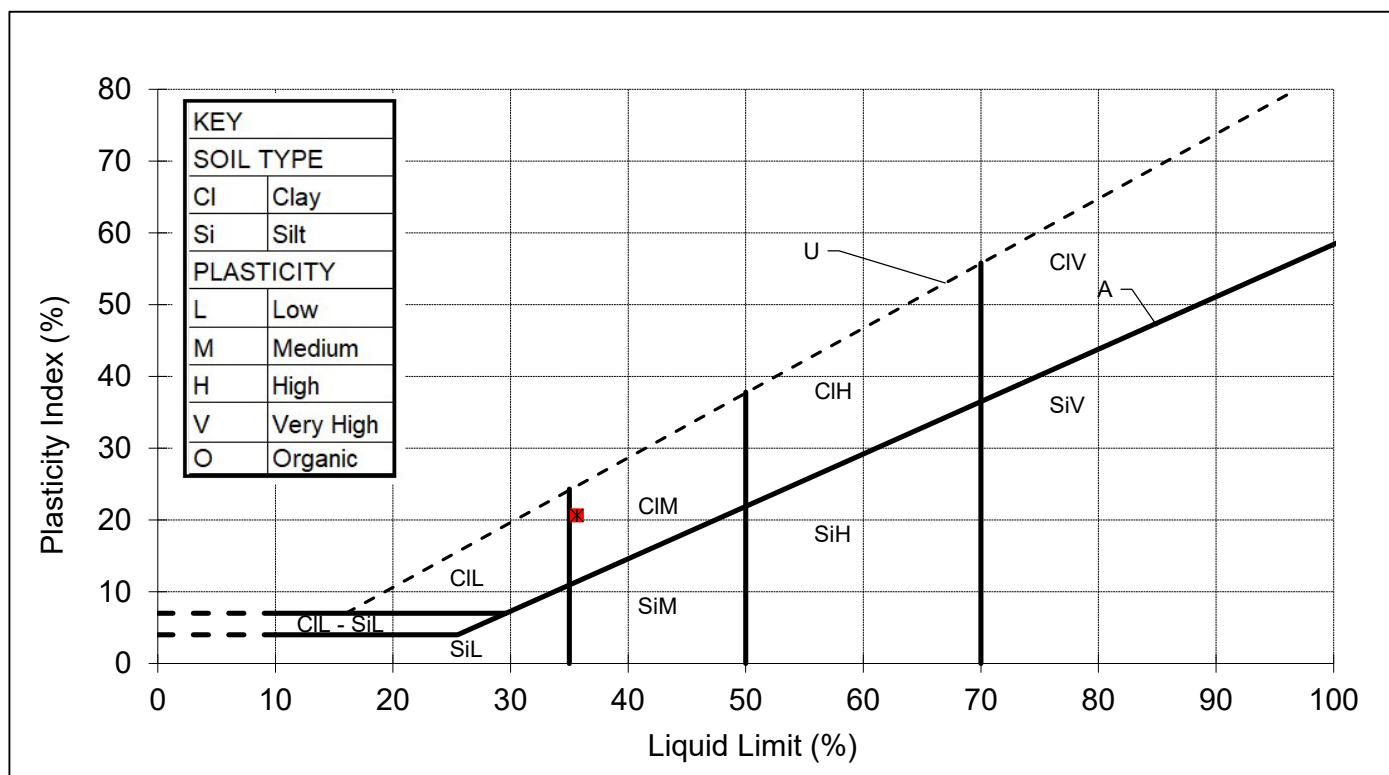
O.P. Davies BA (Hons)
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DATE

30-Oct-23

1580

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD
PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5
WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022



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TEST CERTIFICATE

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD

PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5

WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

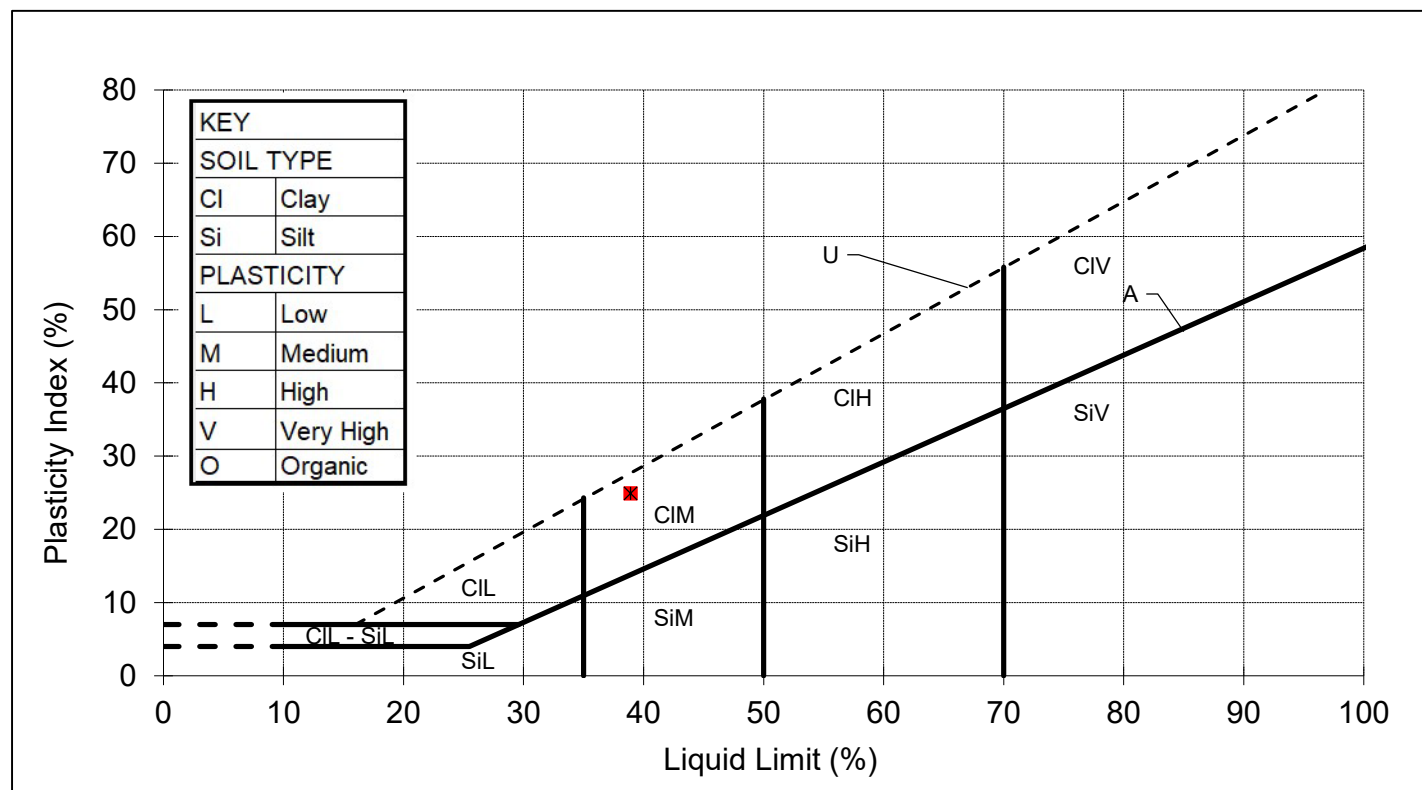
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A5635 - Moorgate Farm East
JOB NUMBER	MRN 4589/98

SAMPLE LABEL	WS4 D 1.50m	DATE SAMPLED	03-Oct-23
SAMPLE No.	132096	DATE RECEIVED	04-Oct-23
DATE TESTED	09-Oct-23	SAMPLED BY	Client

MATERIAL	Grey silty sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Hand Picked

Test Readings mm (average)		Moisture Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.4	38.4	1.012	
Determination 2 (avg)	19.4	38.5		

Natural Moisture Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
17.2	39	14	25	91



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