

TEST REPORT

Client Earth Environmental & Geotechnical Ltd

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

Contract A6550 -
246 Palatine Road, Didsbury

Job Number MRN 25001/52
Date of Issue 01 August 2025
Page 1 of 7

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

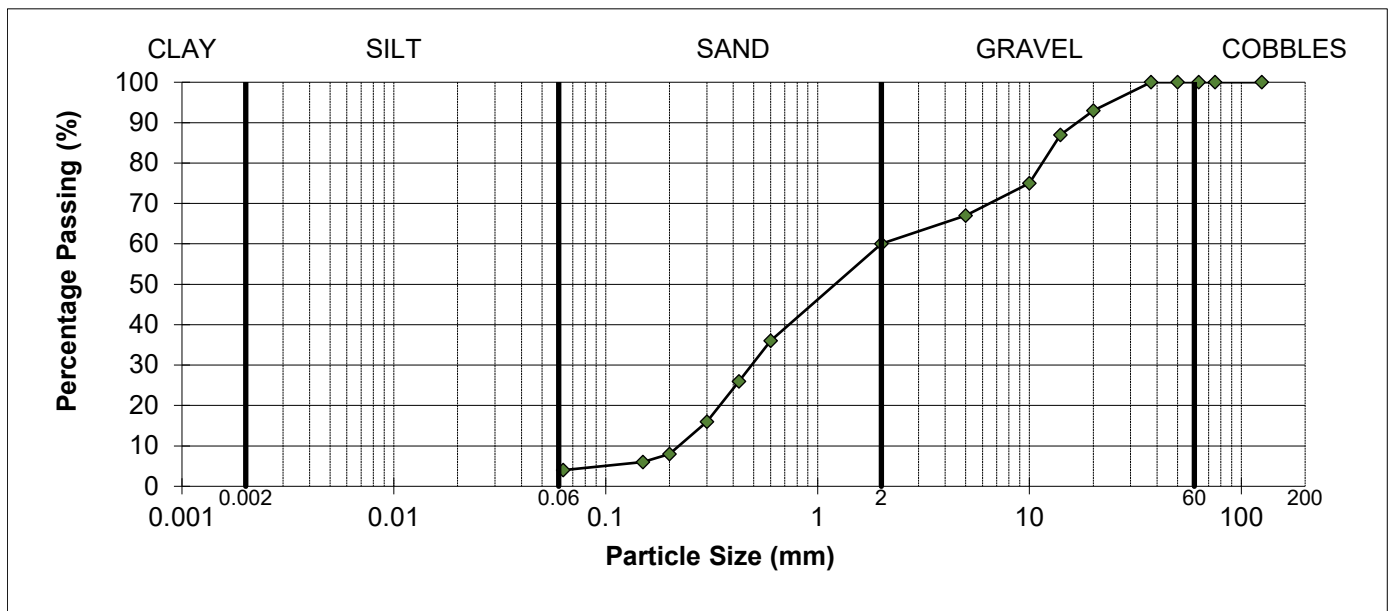
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6550 - 246 Palatine Road, Didsbury
JOB NUMBER	MRN 25001/52

SAMPLE LABEL	WS01 6.5m D	DATE SAMPLED	03-Jul-25
LAB SAMPLE No	5122308	DATE RECEIVED	07-Jul-25
DATE TESTED	11-Jul-25	SAMPLED BY	Client

MATERIAL	Brown slightly silty very gravelly SAND
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		5	67	
75	100		2	60	
63	100		0.6	36	
50	100		0.425	26	
37.5	100		0.3	16	
20	93		0.2	8	
14	87		0.15	6	
10	75		0.063	4	



REMARKS

SIGNED



NAME

O.P. Davies BA (Hons)
(Director / Head of Laboratory)

DATE

01-Aug-25

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

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

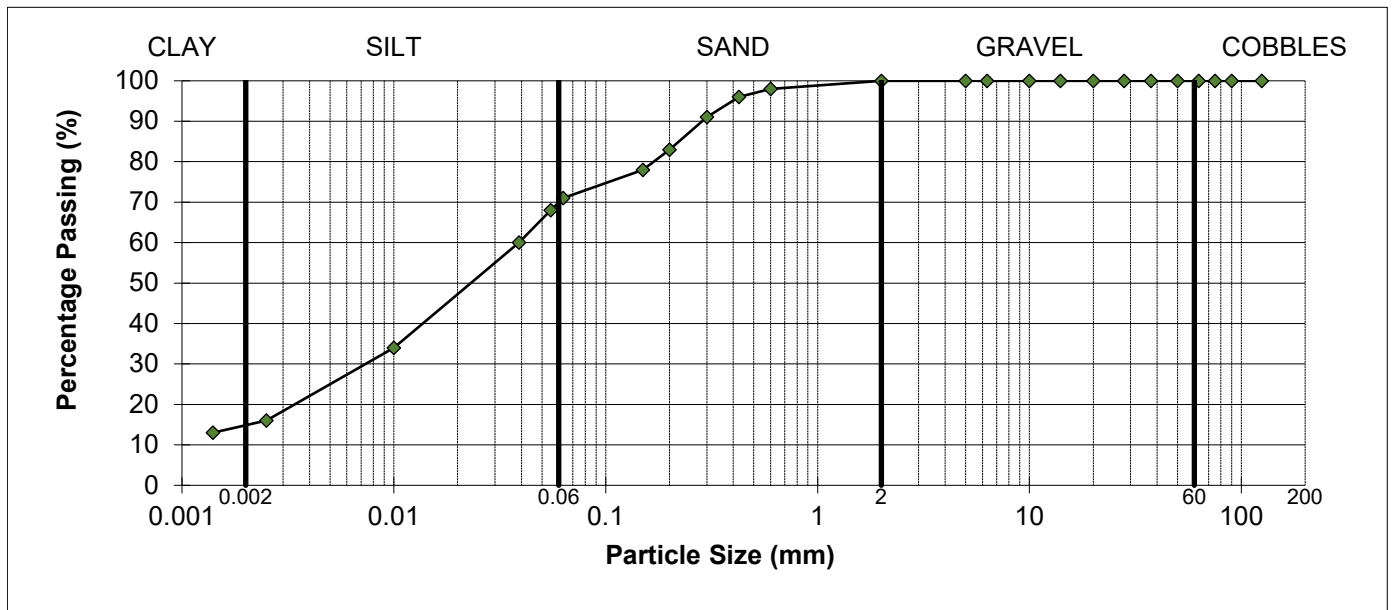
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd		
SITE	A6550 - 246 Palatine Road, Didsbury		
JOB NUMBER	MRN 25001/52		

SAMPLE LABEL	WS02 4.5m D	DATE SAMPLED	04-Jul-25
LAB SAMPLE No	5122319	DATE RECEIVED	07-Jul-25
DATE TESTED	12-Jun-25	SAMPLED BY	Client

MATERIAL	Brown silty sandy CLAY
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	100	
90	100		0.6	98	
75	100		0.425	96	
63	100		0.3	91	
50	100		0.2	83	
37.5	100		0.15	78	
28	100		0.063	71	
20	100		0.055	68	
14	100		0.039	60	
10	100		0.01	34	
6.3	100		0.0025	16	
5	100		0.0014	13	



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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

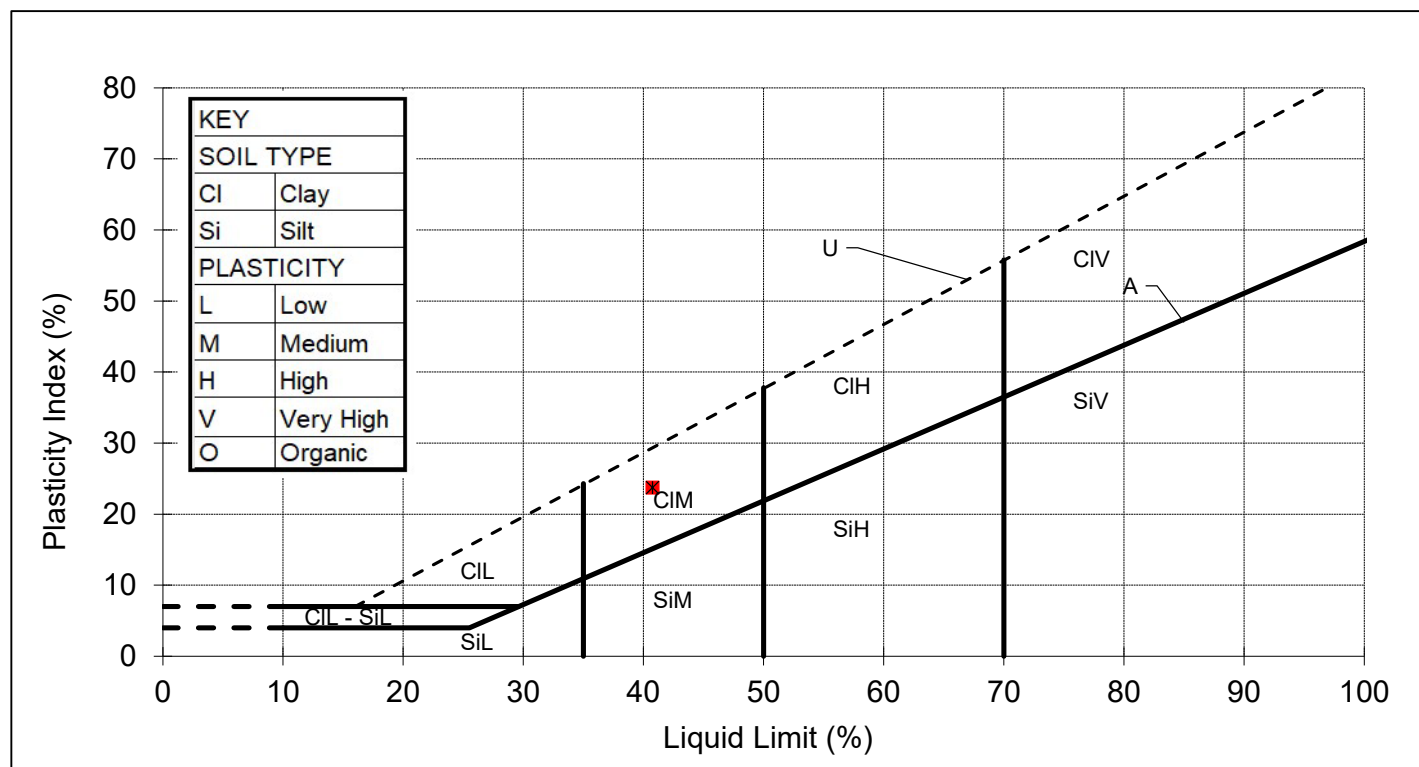
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6550 - 246 Palatine Road, Didsbury
JOB NUMBER	MRN 25001/52

SAMPLE LABEL	WS01 3.2m D	DATE SAMPLED	03-Jul-25
SAMPLE No.	5122301	DATE RECEIVED	07-Jul-25
DATE TESTED	17-Jul-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.6	40.5	1.005	
Determination 2 (avg)	19.9	40.6		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
33.9	41	17	24	98



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

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

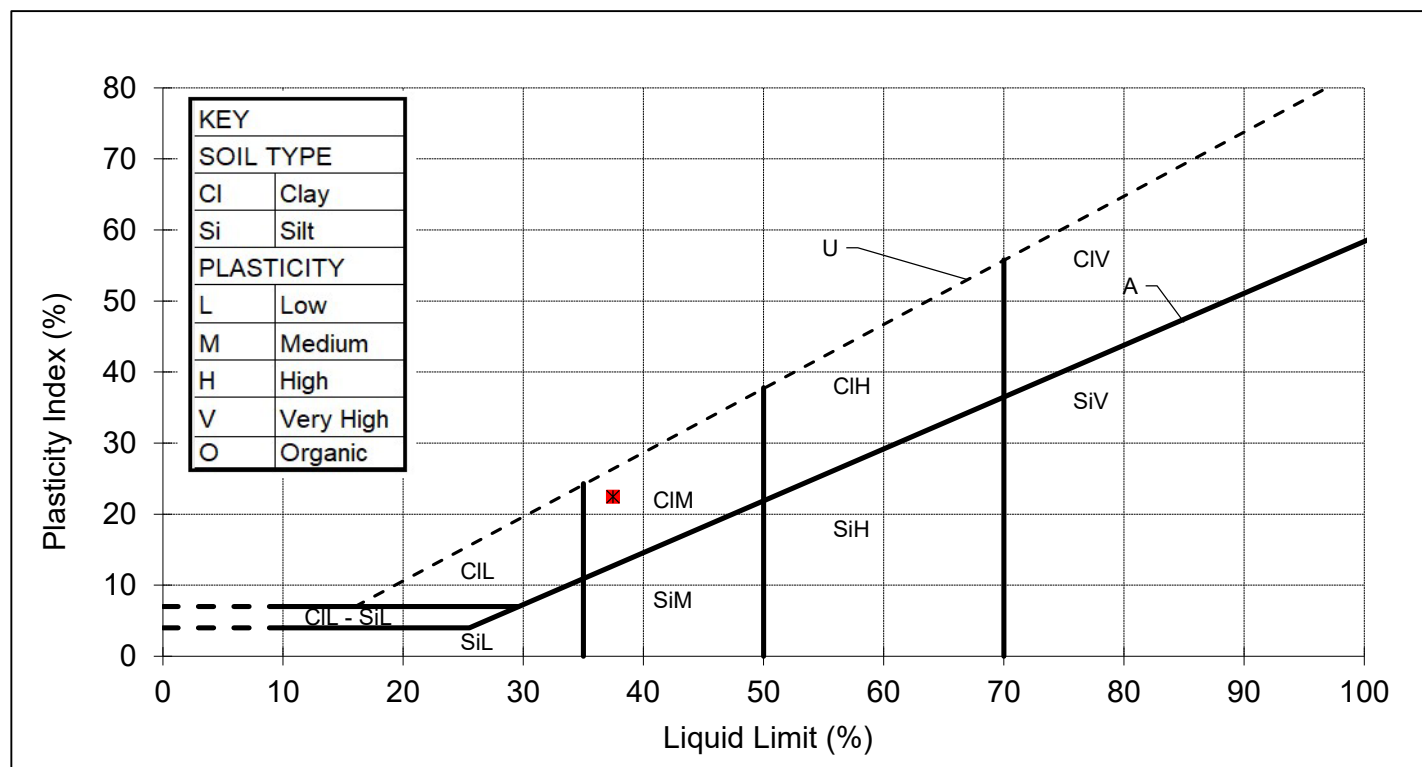
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6550 - 246 Palatine Road, Didsbury
JOB NUMBER	MRN 25001/52

SAMPLE LABEL	WS01 4.0-4.45m D	DATE SAMPLED	03-Jul-25
SAMPLE No.	5122303	DATE RECEIVED	07-Jul-25
DATE TESTED	17-Jul-25	SAMPLED BY	Client

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

Test Readings mm (average)	Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	21.2	38.2	
Determination 2 (avg)	20.9	38.0	

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
27.4	37	15	22	94



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

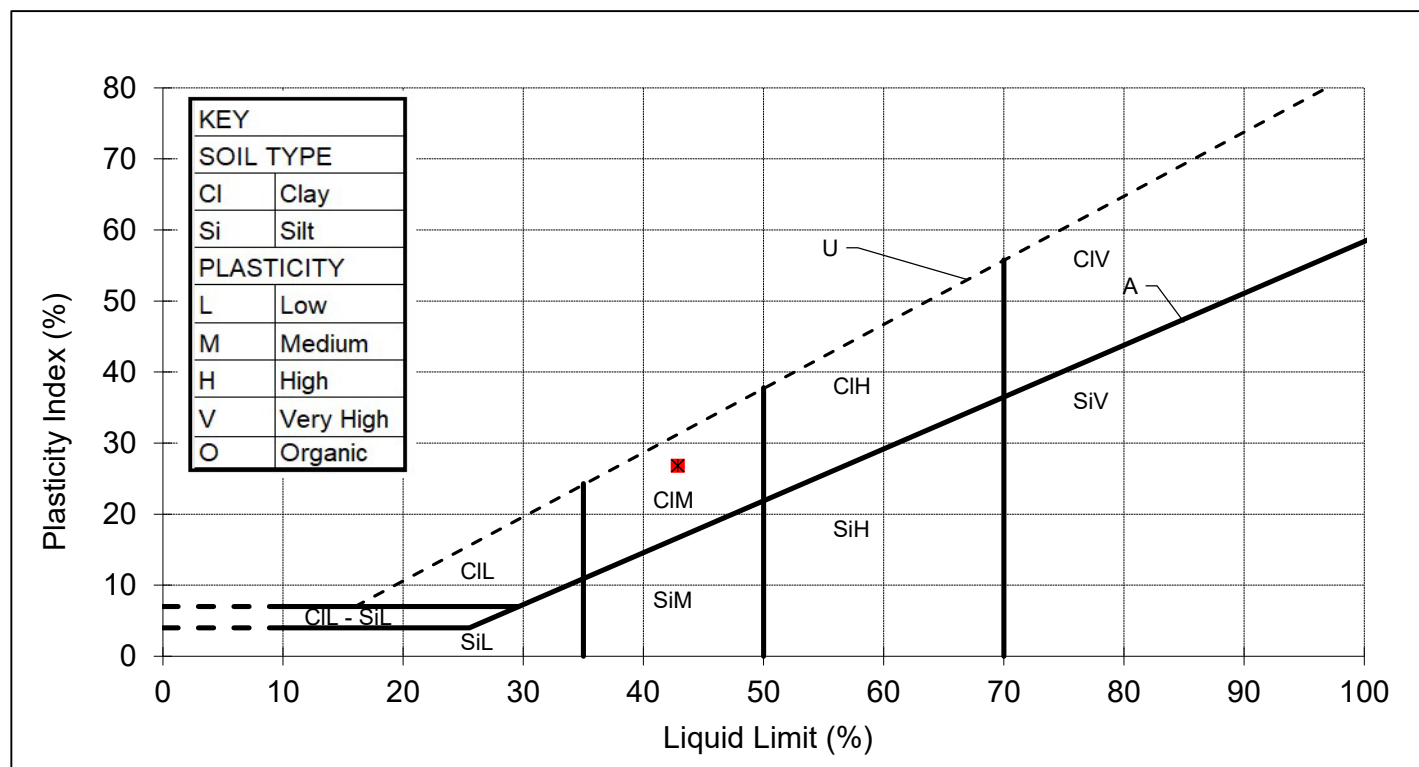
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6550 - 246 Palatine Road, Didsbury
JOB NUMBER	MRN 25001/52

SAMPLE LABEL	WS02 1.8m D	DATE SAMPLED	04-Jul-25
SAMPLE No.	5122313	DATE RECEIVED	07-Jul-25
DATE TESTED	17-Jul-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	20.0	42.8	1.001	
Determination 2 (avg)	19.9	42.8		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
22.9	43	16	27	99



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DATE

01-Aug-25

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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

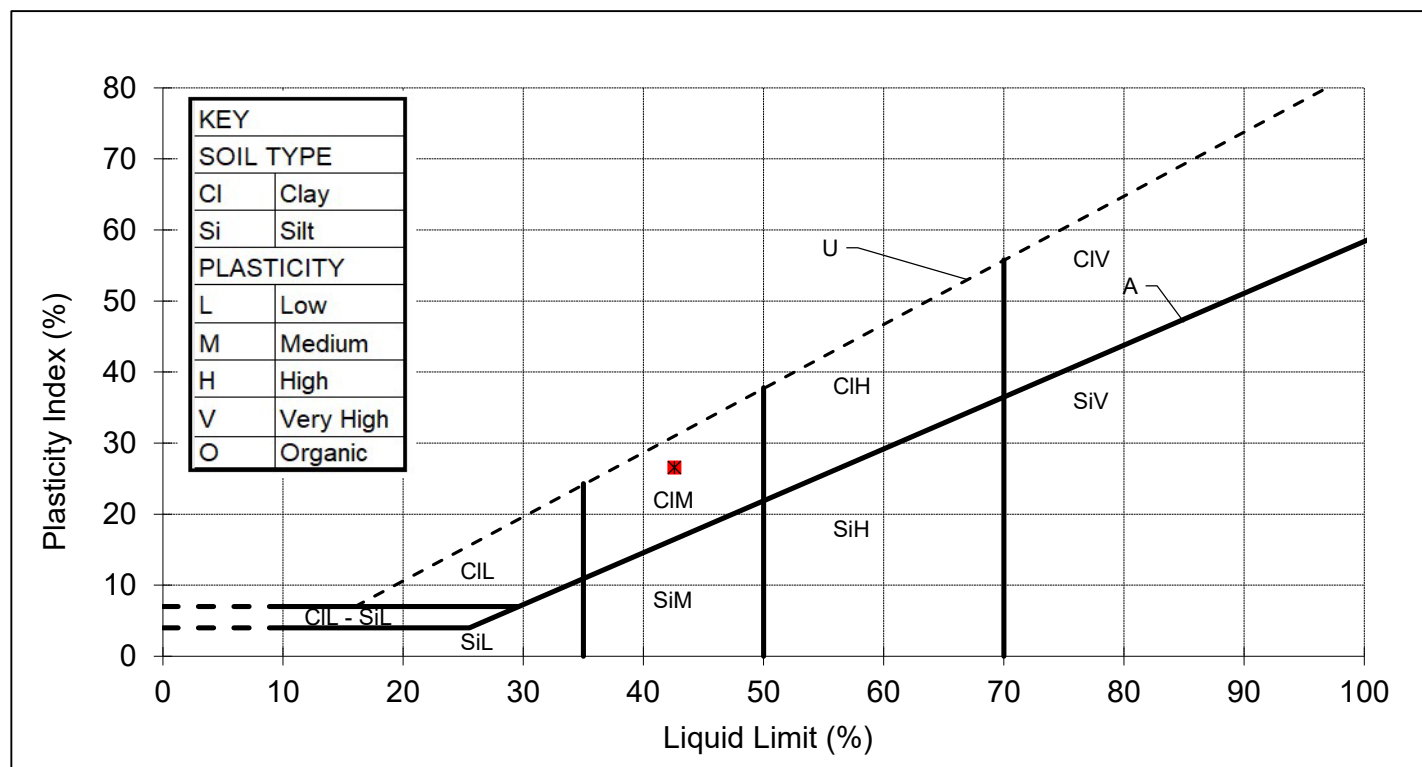
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6550 - 246 Palatine Road, Didsbury
JOB NUMBER	MRN 25001/52

SAMPLE LABEL	WS02 3.0m D	DATE SAMPLED	04-Jul-25
SAMPLE No.	5122316	DATE RECEIVED	07-Jul-25
DATE TESTED	17-Jul-25	SAMPLED BY	Client

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

Test Readings mm (average)	Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	18.6	41.6	
Determination 2 (avg)	18.8	41.7	

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
36.3	43	16	27	99



REMARKS

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(Director / Head of Laboratory)

DATE

01-Aug-25

FINAL ANALYTICAL TEST REPORT

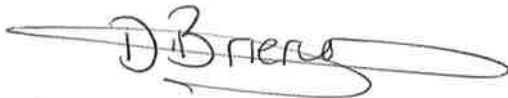
Envirolab Job Number: 25/07263
Issue Number: 1

Date: 11 July, 2025

Client: Earth Environmental & Geotechnical Ltd (Stockport)
Houldsworth Mill Business & Arts Centre ,
Houldsworth Street
Stockport
Cheshire
SK5 6DA

Project Manager: Daniel Shanks
Project Name: 246 Palatine Road, Didsbury
Project Ref: A6550
Order No: A6550/TP/01
Date Samples Received: 04/07/25
Date Instructions Received: 07/07/25
Date Analysis Completed: 11/07/25

Approved by:



Danielle Brierley
Client Services Supervisor

Envirolab Job Number: 25/07263

Client Project Name: 246 Palatine Road, Didsbury

Client Project Ref: A6550

Lab Sample ID	25/07263/1	25/07263/2	25/07263/3	25/07263/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS01	WS01	WS02	WS02						
Depth to Top	0.70	2.00	0.50	1.50						
Depth To Bottom										
Date Sampled	03-Jul-25	03-Jul-25	03-Jul-25	04-Jul-25						
Sample Type	SOIL	SOIL	SOIL	SOIL						
Sample Matrix Code	4ABE	4AB	4AB	4AB						
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1				% w/w	0.1	A-T-044
pH BRE _D ^{M#}	8.18	8.42	7.09	8.12				pH	0.01	A-T-031s
Ammonium NH4 BRE (water sol 2:1) _D	1.15	<1.00	<1.00	<1.00				mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1) _D ^{M#}	<7	<7	<7	<7				mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1) _D	1.4	2.0	2.9	6.7				mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1) _D ^{M#}	<10	<10	<10	16				mg/l	10	A-T-026s
Sulphate BRE (acid sol) _D ^{M#}	0.07	0.07	0.04	0.05				% w/w	0.02	A-T-028s
Sulphur BRE (total) _D	0.03	0.03	0.03	0.02				% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1) _D	1.5	1.4	<1.0	1.6				mg/l	1	A-T-SOLMETs

Report Notes

General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- The results reported herein relate only to the material supplied to the laboratory.
- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
- Analytical results reflect the quality of the sample at the time of analysis only.
- Opinions and Interpretations expressed are outside our scope of accreditation.
- A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript “#”	Accredited to ISO 17025
Superscript “M”	Accredited to MCertS
Superscript “U”	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript “A”	Analysis performed on as-received Sample
Subscript “D”	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript “D” on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript “^”	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as “% stones >10mm”.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any “D” subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.

Results “with Clean up” indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.

Where these humic substances have been identified in any IDs from “TPH CWG with clean up” please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client:	Earth Environmental & Geotechnical Ltd (Stockport), Houldsworth Mill Business & Arts Centre , Houldsworth Street , Stockport, Cheshire, SK5 6DA	Project No:	25/07263
Project:	246 Palatine Road, Didsbury	Date Received:	07/07/2025 (am)
Clients Project No:	A6550	Cool Box Temperatures (°C):	20.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/07263/1	25/07263/2	25/07263/3	25/07263/4
Client Sample No				
Client Sample ID/Depth	WS01 0.70m	WS01 2.00m	WS02 0.50m	WS02 1.50m
Date Sampled	03/07/25	03/07/25	03/07/25	04/07/25
A-T-024s	11/07/2025	11/07/2025	11/07/2025	11/07/2025
A-T-026s	11/07/2025	11/07/2025	11/07/2025	11/07/2025
A-T-028s	11/07/2025	11/07/2025	11/07/2025	11/07/2025
A-T-031s	11/07/2025	11/07/2025	11/07/2025	11/07/2025
A-T-033s	10/07/2025	10/07/2025	10/07/2025	10/07/2025
A-T-044	11/07/2025	11/07/2025	11/07/2025	11/07/2025
A-T-SOLMETS	11/07/2025	11/07/2025	11/07/2025	11/07/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report