

TEST REPORT

Client Earth Environmental & Geotechnical Ltd

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

Contract A3653 -
Berry Brow

Job Number MRN 25001/87
Date of Issue 26 November 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.



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MURRAY RIX
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TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

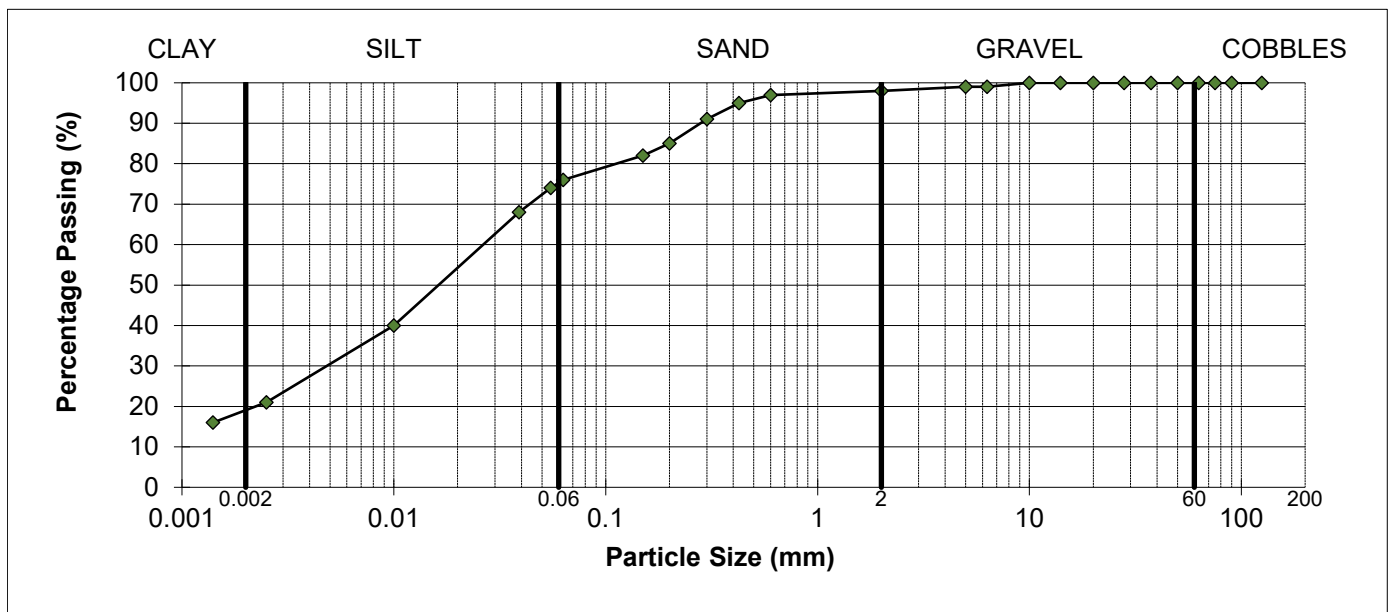
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd		
SITE	A3653 - Berry Brow		
JOB NUMBER	MRN 25001/87		

SAMPLE LABEL	WS03 1.0m D	DATE SAMPLED	Not advised
LAB SAMPLE No	5217203	DATE RECEIVED	06-Nov-25
DATE TESTED	10-Nov-25	SAMPLED BY	Client

MATERIAL	Orange brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample		

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	98	
90	100		0.6	97	
75	100		0.425	95	
63	100		0.3	91	
50	100		0.2	85	
37.5	100		0.15	82	
28	100		0.063	76	
20	100		0.055	74	
14	100		0.039	68	
10	100		0.01	40	
6.3	99		0.0025	21	
5	99		0.0014	16	



REMARKS

SIGNED

NAME

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

DATE

26-Nov-25

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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

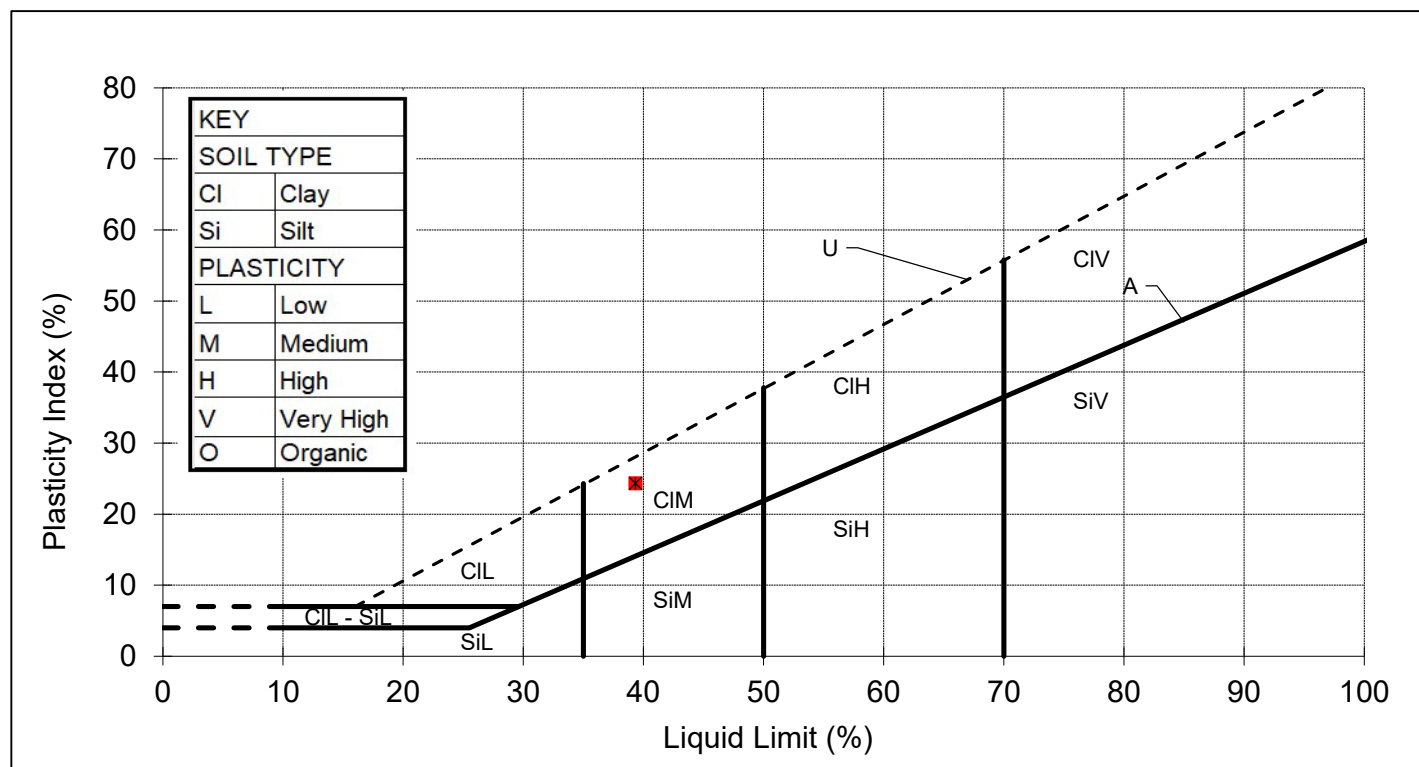
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3653 - Berry Brow
JOB NUMBER	MRN 25001/87

SAMPLE LABEL	WS01 1.25m D	DATE SAMPLED	Not advised
SAMPLE No.	5217201	DATE RECEIVED	06-Nov-25
DATE TESTED	17-Nov-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	18.9	38.6	1.019	
Determination 2 (avg)	19.2	38.6		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
20.4	39	15	24	92



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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

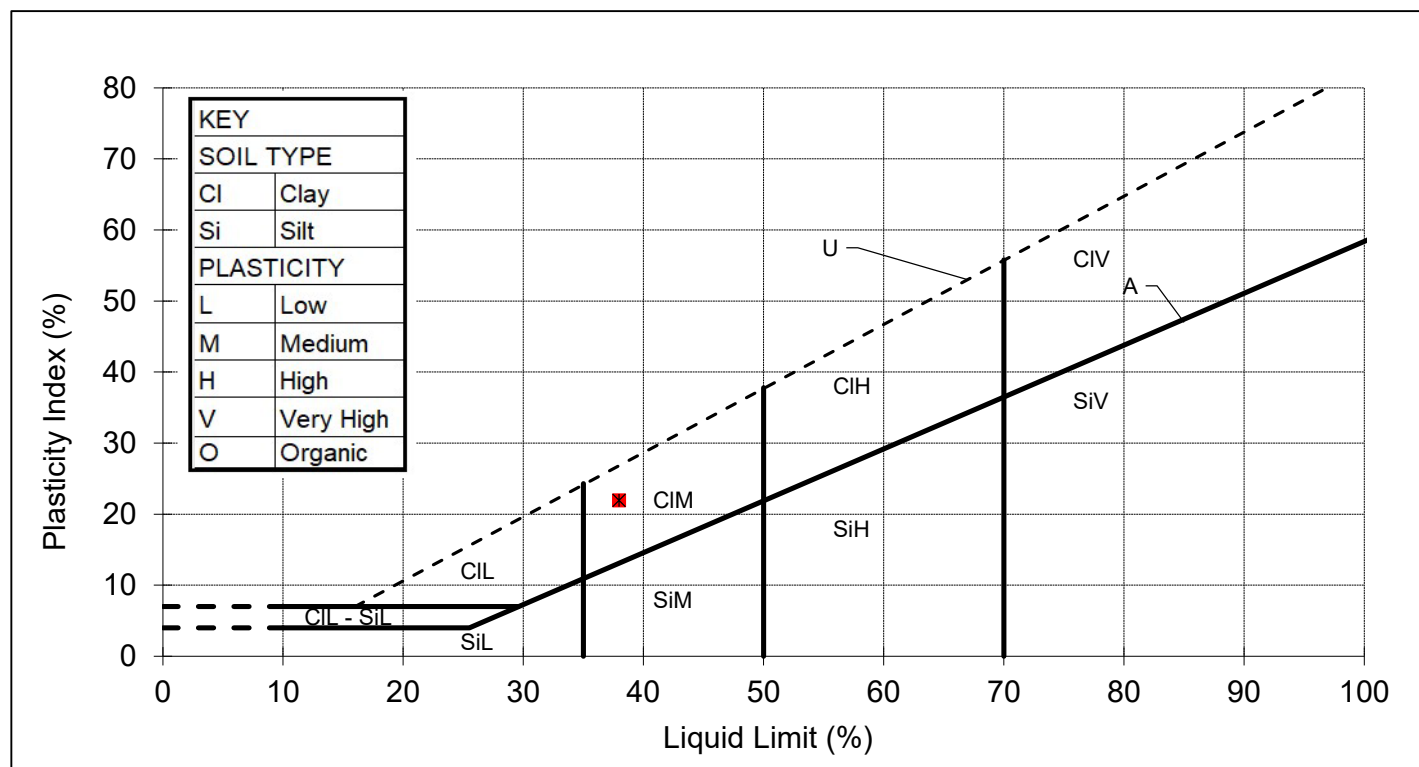
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3653 - Berry Brow
JOB NUMBER	MRN 25001/87

SAMPLE LABEL	WS02 1.2m D	DATE SAMPLED	Not advised
SAMPLE No.	5217202	DATE RECEIVED	06-Nov-25
DATE TESTED	17-Nov-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.5	37.6	1.011	
Determination 2 (avg)	19.4	37.5		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
30.2	38	16	22	90



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

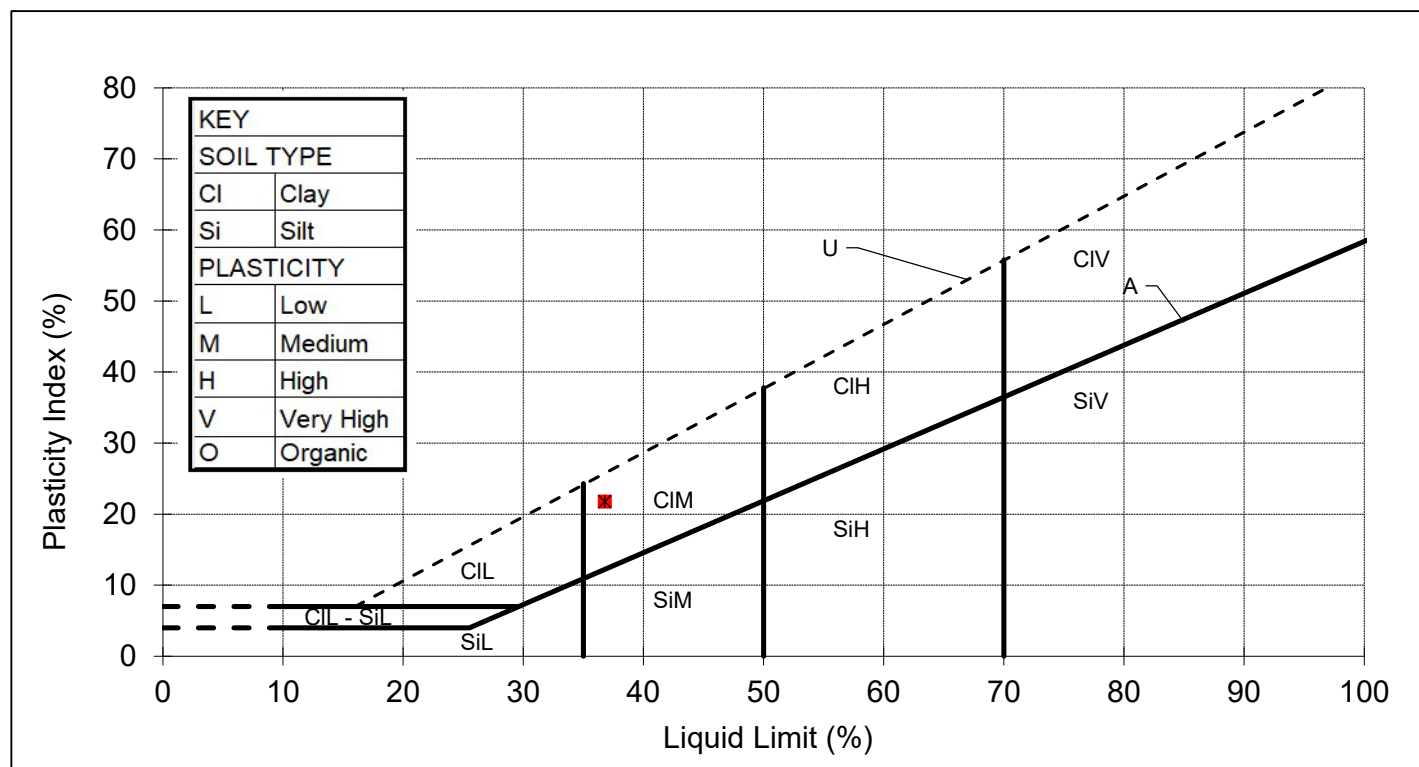
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3653 - Berry Brow
JOB NUMBER	MRN 25001/87

SAMPLE LABEL	WS03 1.0m D	DATE SAMPLED	Not advised
SAMPLE No.	5217203	DATE RECEIVED	06-Nov-25
DATE TESTED	17-Nov-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.8	36.6	1.005	
Determination 2 (avg)	19.7	36.6		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
21.8	37	15	22	93



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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

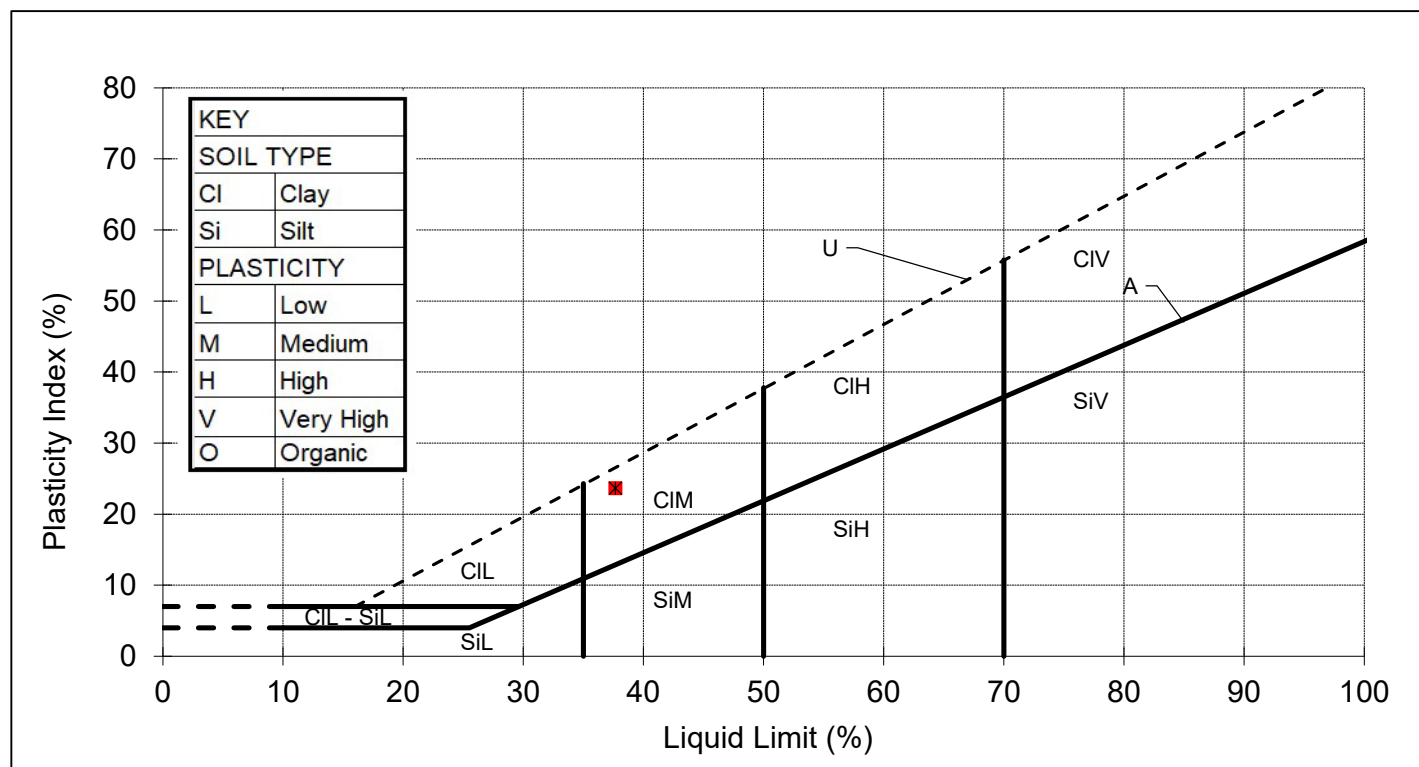
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3653 - Berry Brow
JOB NUMBER	MRN 25001/87

SAMPLE LABEL	WS03 1.25m D	DATE SAMPLED	Not advised
SAMPLE No.	5217204	DATE RECEIVED	06-Nov-25
DATE TESTED	17-Nov-25	SAMPLED BY	Client

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

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	21.1	38.3	0.983	
Determination 2 (avg)	21.0	38.3		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
20.2	38	14	24	93



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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	A3653 - Berry Brow
JOB NUMBER	MRN 25001/87

DATE TESTED	17-Nov-25	DATE SAMPLED	Not advised
SAMPLED BY	Client	DATE RECEIVED	06-Nov-25
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)
5217201	WS01 1.25m D	Orangey brown silty slightly sandy slightly gravelly CLAY	5	7.3	230
5217202	WS02 1.2m D	Orangey brown silty slightly sandy slightly gravelly CLAY	7	7.2	200
5217204	WS03 1.25m D	Orangey brown silty slightly sandy slightly gravelly CLAY	4	7.0	280

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