MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client Earth Environmental & Geotechnical Ltd

Address Houldsworth Mills Business & Arts Centre
Houldsworth Street
Reddish
Stockport
SK5 6DA

Contract A3539 -
Belfield Lane, Rochdale

Job Number MRN 3787/52
Date of Issue 24 July 2020
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. This does not, however, guarantee the balance of the materials from which the tested samples have been taken to be of equal quality.

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

TEST CERTIFICATE

pH and Sulphate as SO_4
BS 1377: PART 3: 1990

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 – Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS02 1.50	DATE SAMPLED	07 July 2020
LAB SAMPLE No	90618	DATE RECEIVED	08 July 2020
DATE TESTED	10 July 2020	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	6.8	
Sulphate as SO_4 (2:1 Water Extract)	0.41	g/l

REMARKS

SIGNED

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

DATE 24 July 2020

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TEST CERTIFICATE

pH and Sulphate as SO_4
BS 1377: PART 3: 1990

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 – Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS02 3.00	DATE SAMPLED	07 July 2020
LAB SAMPLE No	90619	DATE RECEIVED	08 July 2020
DATE TESTED	10 July 2020	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	6.8	
Sulphate as SO_4 (2:1 Water Extract)	0.44	g/l

REMARKS

SIGNED

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

DATE 24 July 2020

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TEST CERTIFICATE

pH and Sulphate as SO_4
BS 1377: PART 3: 1990

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 – Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS06B 5.50	DATE SAMPLED	07 July 2020
LAB SAMPLE No	90620	DATE RECEIVED	08 July 2020
DATE TESTED	10 July 2020	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	6.9	
Sulphate as SO_4 (2:1 Water Extract)	0.40	g/l

REMARKS

SIGNED

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

DATE 24 July 2020

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TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.5: 1990

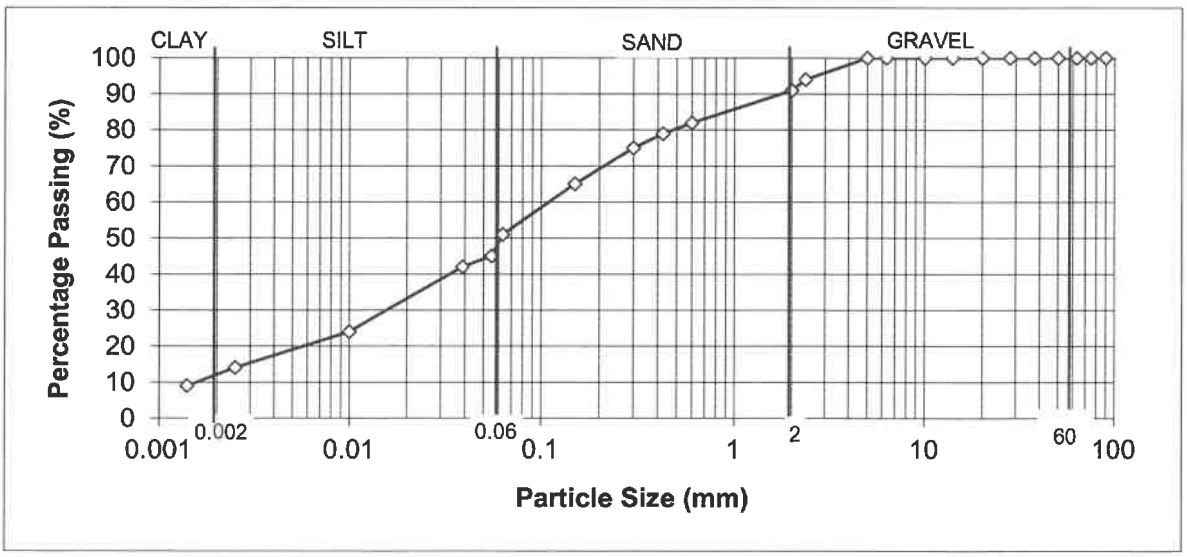
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 - Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS07 5.80-6.00	DATE SAMPLED	07-Jul-20
LAB SAMPLE No	90621	DATE RECEIVED	08-Jul-20
DATE TESTED	10-Jul-20	SAMPLED BY	Client

MATERIAL	Stiff brown silty sandy CLAY with rare gravel
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2.36	94	
90	100		2	91	
75	100		0.6	82	
63	100		0.425	79	
50	100		0.3	75	
37.5	100		0.15	65	
28	100		0.063	51	
20	100		0.055	45	
14	100		0.039	42	
10	100		0.01	24	
6.3	100		0.0025	14	
5	100		0.0014	9	



REMARKS

SIGNED

NAME O.P. Davies BA (Hons) (Laboratory Manager) DATE 24-Jul-20

MURRAY RIX

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

UKAS TESTING
1580

TEST CERTIFICATE

LIQUID AND PLASTIC LIMIT

BS 1377: PART 2: 1990 Clause 4.4 ONE POINT METHOD & Clause 5.3

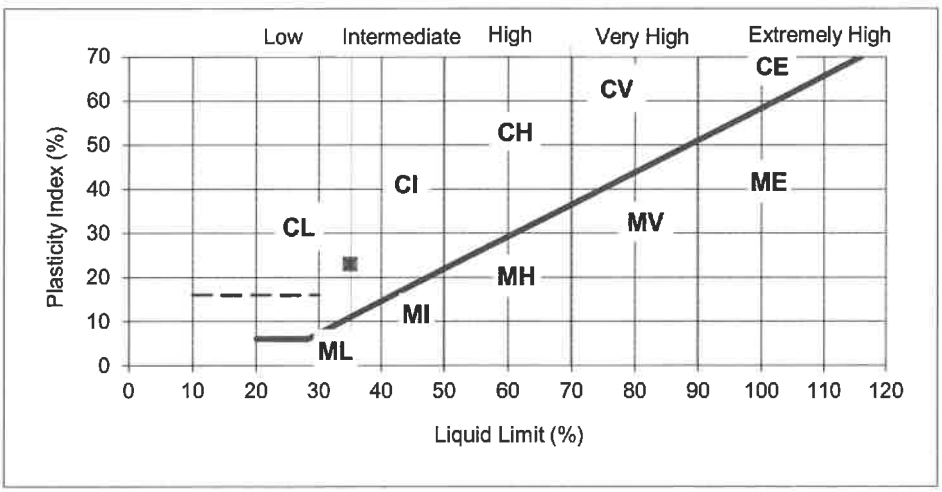
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 - Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS07 5.80-6.00	DATE SAMPLED	07-Jul-20
SAMPLE No.	90621	DATE RECEIVED	08-Jul-20
DATE TESTED	10-Jul-20	SAMPLED BY	Client

MATERIAL	Stiff brown silty sandy CLAY with rare gravel
ADVISED SOURCE	Site Investigation Sample

Moisture Content (Natural) (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
14	35	12	23	79



REMARKS
Sample tested after wet sieving

SIGNED

NAME O.P. Davies BA (Hons) DATE 24-Jul-20
(Laboratory Manager)

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TEST CERTIFICATE

pH and Sulphate as SO_4
BS 1377: PART 3: 1990

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A3539 – Belfield Lane, Rochdale
JOB NUMBER	MRN 3787/52

SAMPLE LABEL	WS07 5.80-6.00	DATE SAMPLED	07 July 2020
LAB SAMPLE No	90621	DATE RECEIVED	08 July 2020
DATE TESTED	10 July 2020	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	7.0	
Sulphate as SO_4 (2:1 Water Extract)	0.37	g/l

REMARKS

SIGNED

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

DATE 24 July 2020