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	A2333 - Bradstone Road, Manchester
Job Number	MRN 3077/60
Date of Issue	14 December 2017
Page	**1 of 9**

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

33C Vauxhall Ind. Estate, Greg Street
Reddish, Stockport SK5 7BR
TEL 0161 475 0870 FAX 0161 475 0871

UKAS TESTING 1580

TEST CERTIFICATE

LIQUID AND PLASTIC LIMIT

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

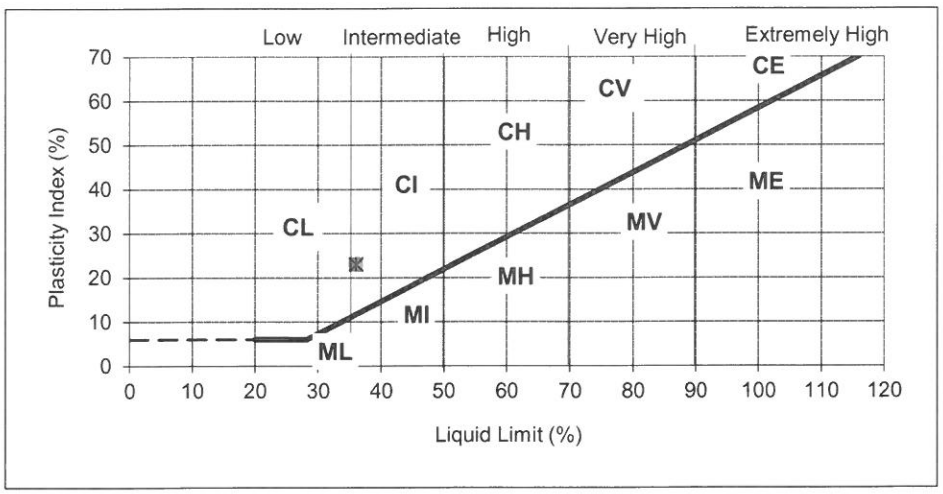
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	WS101 2.5-3.0m	DATE SAMPLED	05-Dec-17
SAMPLE No.	74099	DATE RECEIVED	07-Dec-17
DATE TESTED	08-Dec-17	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 (%)
19	36	13	23	78



REMARKS

Sample tested in natural condition

SIGNED

NAME O.P. Davies DATE 14-Dec-17

(Deputy Laboratory Manager

MURRAY RIX
UNIT 33C, VAUXHALL IND. ESTATE, GREG STREET
REDDISH, STOCKPORT, SK5 7BR
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TEST CERTIFICATE

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

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	WS101 2.5-3.0m	DATE SAMPLED	05 December 2017
LAB SAMPLE No	74099	DATE RECEIVED	07 December 2017
DATE TESTED	08 December 2017	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	7.0	
Sulphate as SO_4 (2:1 Water Extract)	0.22	g/l

REMARKS

SIGNED

NAME O.P. Davies
(Deputy Laboratory Manager)

DATE 14 December 2017

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LIQUID AND PLASTIC LIMIT

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

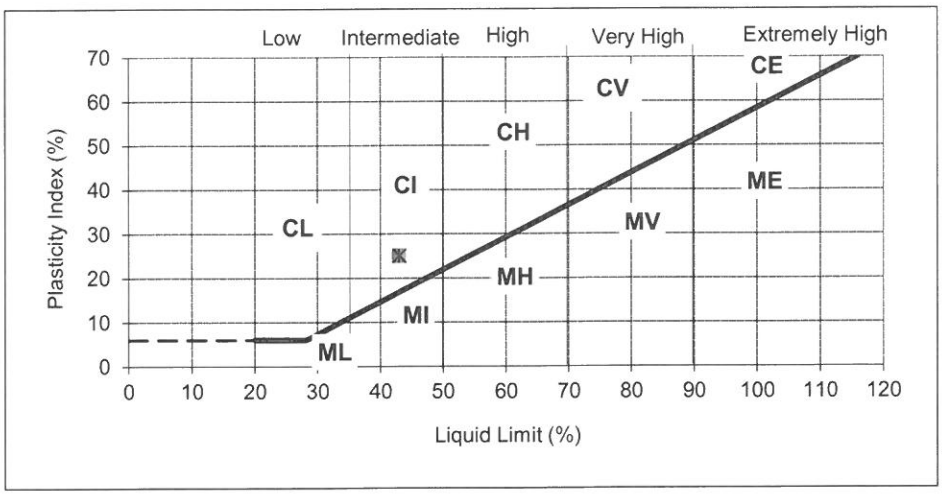
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	TP101 1.5-2.0m	DATE SAMPLED	05-Dec-17
SAMPLE No.	74100	DATE RECEIVED	07-Dec-17
DATE TESTED	08-Dec-17	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 (%)
17	43	18	25	92



REMARKS

Sample tested in natural condition

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TEST CERTIFICATE

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

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	TP101 1.5-2.0m	DATE SAMPLED	05 December 2017
LAB SAMPLE No	74100	DATE RECEIVED	07 December 2017
DATE TESTED	08 December 2017	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	7.0	
Sulphate as SO_4 (2:1 Water Extract)	0.30	g/l

REMARKS

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LIQUID AND PLASTIC LIMIT

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

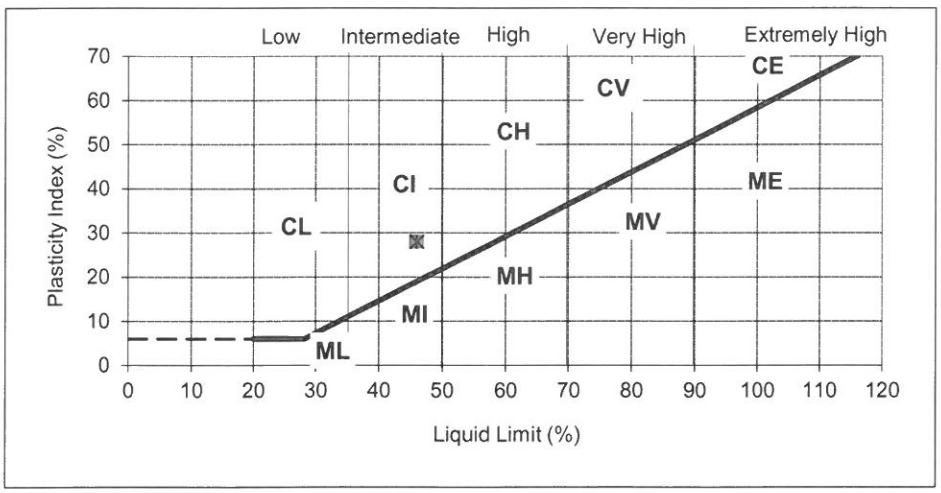
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	WS104 1.5-2.0m	DATE SAMPLED	05-Dec-17
SAMPLE No.	74101	DATE RECEIVED	07-Dec-17
DATE TESTED	08-Dec-17	SAMPLED BY	Client

MATERIAL	Stiff brown silty sandy CLAY
ADVISED SOURCE	Site Investigation Sample

Moisture Content (Natural) (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
19	46	18	28	96



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

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	WS104 1.5-2.0m	DATE SAMPLED	05 December 2017
LAB SAMPLE No	74101	DATE RECEIVED	07 December 2017
DATE TESTED	08 December 2017	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	7.1	
Sulphate as SO_4 (2:1 Water Extract)	0.25	g/l

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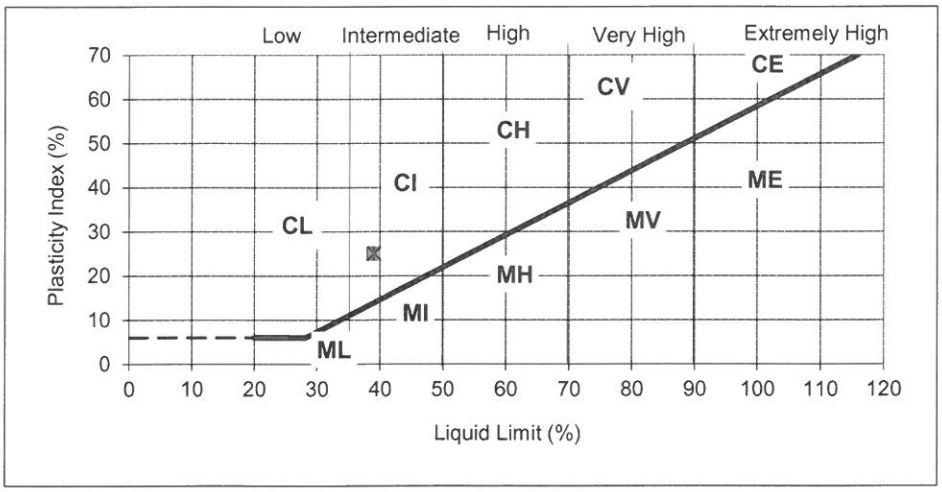
LIQUID AND PLASTIC LIMIT
BS 1377: PART 2: 1990 Clause 4.4 ONE POINT METHOD & Clause 5.3
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	TP104 1.0-1.5m	DATE SAMPLED	05-Dec-17
SAMPLE No.	74102	DATE RECEIVED	07-Dec-17
DATE TESTED	08-Dec-17	SAMPLED BY	Client

MATERIAL	Firm brownish red silty sandy CLAY with rare gravel
ADVISED SOURCE	Site Investigation Sample

Moisture Content (Natural) (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
21	39	14	25	89



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BS 1377: PART 3: 1990

CLIENT	Earth Environmental & Geotechnical Ltd
SITE	Bradstone Road, Manchester
JOB NUMBER	MRN 3077/60

SAMPLE LABEL	TP104 1.0-1.5m	DATE SAMPLED	05 December 2017
LAB SAMPLE No	74102	DATE RECEIVED	07 December 2017
DATE TESTED	08 December 2017	SAMPLED BY	Client

ADVISED SOURCE	Site Investigation Sample
PRE TREATMENT	Air Dried

PH Value	7.4	
Sulphate as SO_4 (2:1 Water Extract)	0.40	g/l

REMARKS

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