

## TEST REPORT

**Client** Earth Environmental & Geotechnical Ltd

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

**Contract** A3434 -  
38 Broughton Street

**Job Number** MRN 3787/42  
**Date of Issue** 19 June 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

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.5: 1990

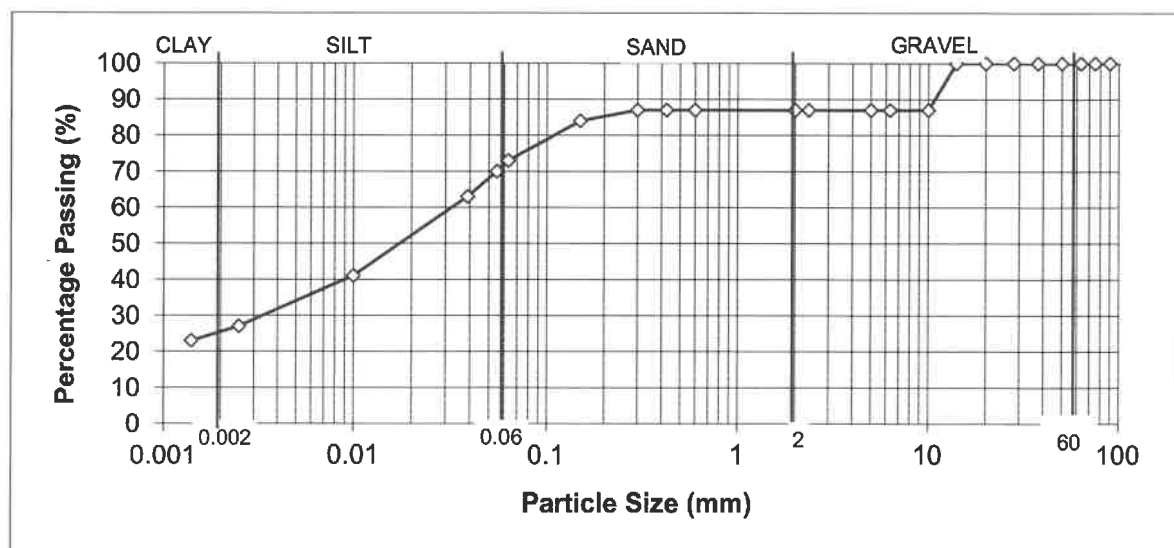
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

|            |                                        |
|------------|----------------------------------------|
| CLIENT     | Earth Environmental & Geotechnical Ltd |
| SITE       | A3434 - 38 Broughton Street            |
| JOB NUMBER | MRN 3787/42                            |

|               |             |               |           |
|---------------|-------------|---------------|-----------|
| SAMPLE LABEL  | WS02 D 3.20 | DATE SAMPLED  | 10-Jun-20 |
| LAB SAMPLE No | 89774       | DATE RECEIVED | 11-Jun-20 |
| DATE TESTED   | 11-Jun-20   | SAMPLED BY    | Client    |

|                |                                                          |
|----------------|----------------------------------------------------------|
| MATERIAL       | Stiff grey brown silty sandy CLAY with occasional gravel |
| ADVISED SOURCE | Site Investigation Sample                                |

| Sieve Size<br>(mm) | % Passing<br>(%) | Specification<br>(%) | Sieve Size<br>(mm) | % Passing<br>(%) | Specification<br>(%) |
|--------------------|------------------|----------------------|--------------------|------------------|----------------------|
| 125                | 100              |                      | 2.36               | 87               |                      |
| 90                 | 100              |                      | 2                  | 87               |                      |
| 75                 | 100              |                      | 0.6                | 87               |                      |
| 63                 | 100              |                      | 0.425              | 87               |                      |
| 50                 | 100              |                      | 0.3                | 87               |                      |
| 37.5               | 100              |                      | 0.15               | 84               |                      |
| 28                 | 100              |                      | 0.063              | 73               |                      |
| 20                 | 100              |                      | 0.055              | 70               |                      |
| 14                 | 100              |                      | 0.039              | 63               |                      |
| 10                 | 87               |                      | 0.01               | 41               |                      |
| 6.3                | 87               |                      | 0.0025             | 27               |                      |
| 5                  | 87               |                      | 0.0014             | 23               |                      |



REMARKS

SIGNED

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

DATE

19-Jun-20

# MURRAY RIX

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DUKINFIELD, CHESHIRE SK16 4QX  
TEL 0161 475 0870



## TEST CERTIFICATE

### LIQUID AND PLASTIC LIMIT

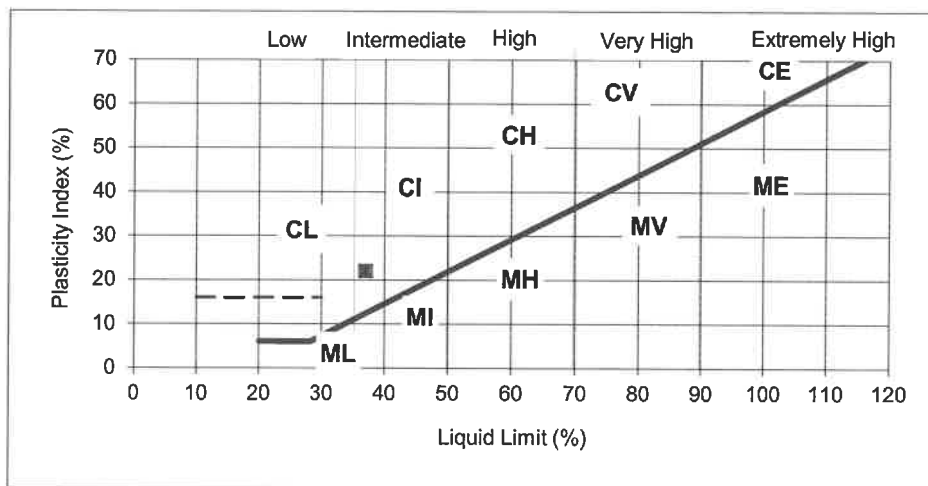
BS 1377: PART 2: 1990 Clause 4.4 ONE POINT METHOD & Clause 5.3  
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

|            |                                        |
|------------|----------------------------------------|
| CLIENT     | Earth Environmental & Geotechnical Ltd |
| SITE       | A3434 - 38 Broughton Street            |
| JOB NUMBER | MRN 377/42                             |

|              |             |               |           |
|--------------|-------------|---------------|-----------|
| SAMPLE LABEL | WS02 D 3.20 | DATE SAMPLED  | 10-Jun-20 |
| SAMPLE No.   | 89774       | DATE RECEIVED | 11-Jun-20 |
| DATE TESTED  | 11-Jun-20   | SAMPLED BY    | Client    |

|                |                                                          |
|----------------|----------------------------------------------------------|
| MATERIAL       | Stiff grey brown silty sandy CLAY with occasional gravel |
| ADVISED SOURCE | Site Investigation Sample                                |

| Moisture Content<br>(Natural)<br>(%) | Liquid Limit<br>(%) | Plastic Limit<br>(%) | Plasticity Index<br>(%) | Passing<br>425 micron<br>(%) |
|--------------------------------------|---------------------|----------------------|-------------------------|------------------------------|
| 21                                   | 37                  | 15                   | 22                      | 87                           |



## REMARKS

Sample tested in natural condition

SIGNED

NAME

Page 3 of 7

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

DATE

19-Jun-20

## MURRAY RIX

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DUKINFIELD, CHESHIRE SK16 4QX  
TEL 0161 475 0870

### TEST CERTIFICATE

pH and Sulphate as SO<sub>4</sub>  
BS 1377: PART 3: 1990

|            |                                        |
|------------|----------------------------------------|
| CLIENT     | Earth Environmental & Geotechnical Ltd |
| SITE       | A3434 – 38 Broughton Street            |
| JOB NUMBER | MRN 3787/42                            |

|               |              |               |              |
|---------------|--------------|---------------|--------------|
| SAMPLE LABEL  | WS02 D 3.20  | DATE SAMPLED  | 10 June 2020 |
| LAB SAMPLE No | 89774        | DATE RECEIVED | 11 June 2020 |
| DATE TESTED   | 11 June 2020 | SAMPLED BY    | Client       |

|                |                           |
|----------------|---------------------------|
| ADVISED SOURCE | Site Investigation Sample |
| PRE TREATMENT  | Air Dried                 |

|                                                 |      |     |
|-------------------------------------------------|------|-----|
| PH Value                                        | 7.0  | g/l |
| Sulphate as SO <sub>4</sub> (2:1 Water Extract) | 0.09 |     |
|                                                 |      |     |

### REMARKS

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

DATE 19 June 2020

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TEL 0161 475 0870

## TEST CERTIFICATE

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.5: 1990

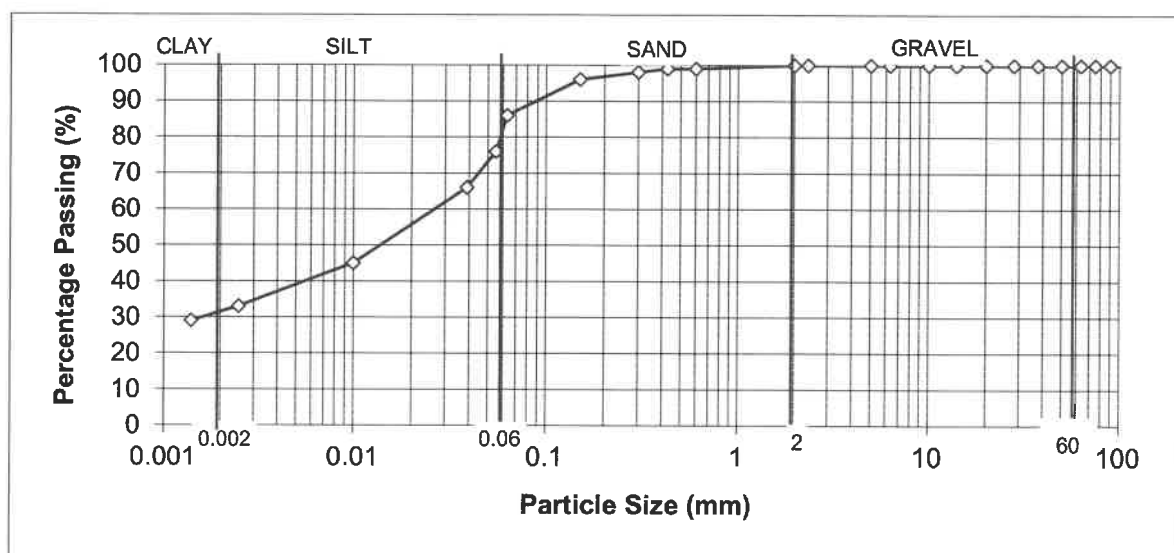
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

|            |                                        |
|------------|----------------------------------------|
| CLIENT     | Earth Environmental & Geotechnical Ltd |
| SITE       | A3434 - 38 Broughton Street            |
| JOB NUMBER | MRN 3787/42                            |

|               |             |               |           |
|---------------|-------------|---------------|-----------|
| SAMPLE LABEL  | WS03 D 2.60 | DATE SAMPLED  | 10-Jun-20 |
| LAB SAMPLE No | 89775       | DATE RECEIVED | 11-Jun-20 |
| DATE TESTED   | 11-Jun-20   | SAMPLED BY    | Client    |

|                |                                   |
|----------------|-----------------------------------|
| MATERIAL       | Stiff grey brown silty sandy CLAY |
| ADVISED SOURCE | Site Investigation Sample         |

| Sieve Size<br>(mm) | % Passing<br>(%) | Specification<br>(%) | Sieve Size<br>(mm) | % Passing<br>(%) | Specification<br>(%) |
|--------------------|------------------|----------------------|--------------------|------------------|----------------------|
| 125                | 100              |                      | 2.36               | 100              |                      |
| 90                 | 100              |                      | 2                  | 100              |                      |
| 75                 | 100              |                      | 0.6                | 99               |                      |
| 63                 | 100              |                      | 0.425              | 99               |                      |
| 50                 | 100              |                      | 0.3                | 98               |                      |
| 37.5               | 100              |                      | 0.15               | 96               |                      |
| 28                 | 100              |                      | 0.063              | 86               |                      |
| 20                 | 100              |                      | 0.055              | 76               |                      |
| 14                 | 100              |                      | 0.039              | 66               |                      |
| 10                 | 100              |                      | 0.01               | 45               |                      |
| 6.3                | 100              |                      | 0.0025             | 33               |                      |
| 5                  | 100              |                      | 0.0014             | 29               |                      |



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## TEST CERTIFICATE

### LIQUID AND PLASTIC LIMIT

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

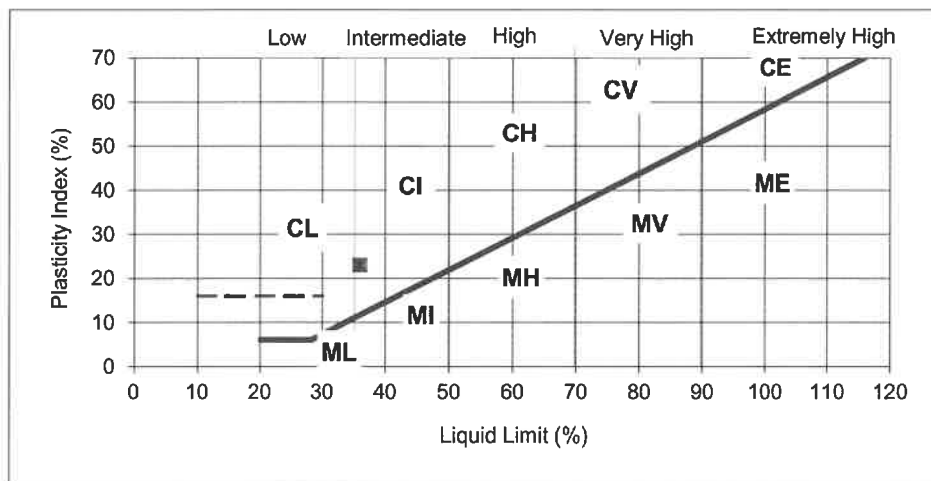
MOISTURE CONTENT METHOD BS 1377: PART 2: 1990 Clause 3.2

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| JOB NUMBER | MRN 377/42                             |

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| ADVISED SOURCE | Site Investigation Sample         |

| Moisture Content<br>(Natural)<br>(%) | Liquid Limit<br>(%) | Plastic Limit<br>(%) | Plasticity Index<br>(%) | Passing<br>425 micron<br>(%) |
|--------------------------------------|---------------------|----------------------|-------------------------|------------------------------|
| 18                                   | 36                  | 13                   | 23                      | 99                           |



## REMARKS

Sample tested in natural condition

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Page 6 of 7

O.P. Davies BA (Hons)  
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pH and Sulphate as SO<sub>4</sub>  
BS 1377: PART 3: 1990

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| LAB SAMPLE No | 89775        | DATE RECEIVED | 11 June 2020 |
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|                |                           |
|----------------|---------------------------|
| ADVISED SOURCE | Site Investigation Sample |
| PRE TREATMENT  | Air Dried                 |

|                                                 |      |     |
|-------------------------------------------------|------|-----|
| PH Value                                        | 7.0  | g/l |
| Sulphate as SO <sub>4</sub> (2:1 Water Extract) | 0.20 |     |
|                                                 |      |     |

REMARKS

SIGNED



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(Laboratory Manager)

DATE 19 June 2020