

STRUCTURAL SOILS LTD
INSITU TESTING REPORT

Report No. 745612R.01(00)

Date 26-May-2015 Contract Green Lane, Chesterton

Client RSK Environmental Ltd
Address Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

For the Attention of Michael Lawson

Order received	12-May-2015	Client Reference	313035
Testing Started	19-May-2015	Client Order No.	PO249498
Testing Completed	20-May-2015	Instruction Type	Written

Test(s) undertaken (Not UKAS Accredited)

- 8no. Insitu CBR tests carried out at locations specified by the client.
- 3no. Insitu soakaway tests carried out at locations specified by the client

Testing undertaken in the Laboratory

Environmental conditions (if relevant)

The results represent the ground conditions at the specified locations and depths at the time of testing.

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of .
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

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TESTING VERIFICATION CERTIFICATE

The test results included in this report are certified as:-

ISSUE STATUS: **FINAL**

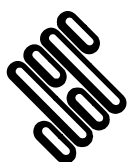
In accordance with Structural Soils Ltd Laboratory Quality Assurance Manual, Issue 6, January 2010 all results sheets and summaries of results issued by the laboratory are checked by an approved signatory. This check will also involve checking of at least 10% of calculations for each test type to ensure that data has been correctly entered into the computer and calculated. The integrity of the test data and results are ensured by control of the computer system employed by the laboratory as part of the Software Verification Program as detailed in the Laboratory Quality Assurance Manual.

This testing verification certificate covers all testing compiled on or before the following datetime: **22/05/2015 16:02:07**.

Testing reported after this date is not covered by this Verification Certificate.



Approved Signatory
Sam Handcock (Site Testing Manager)



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Contract:

Green Lane, Chesterton

Job No:

745612

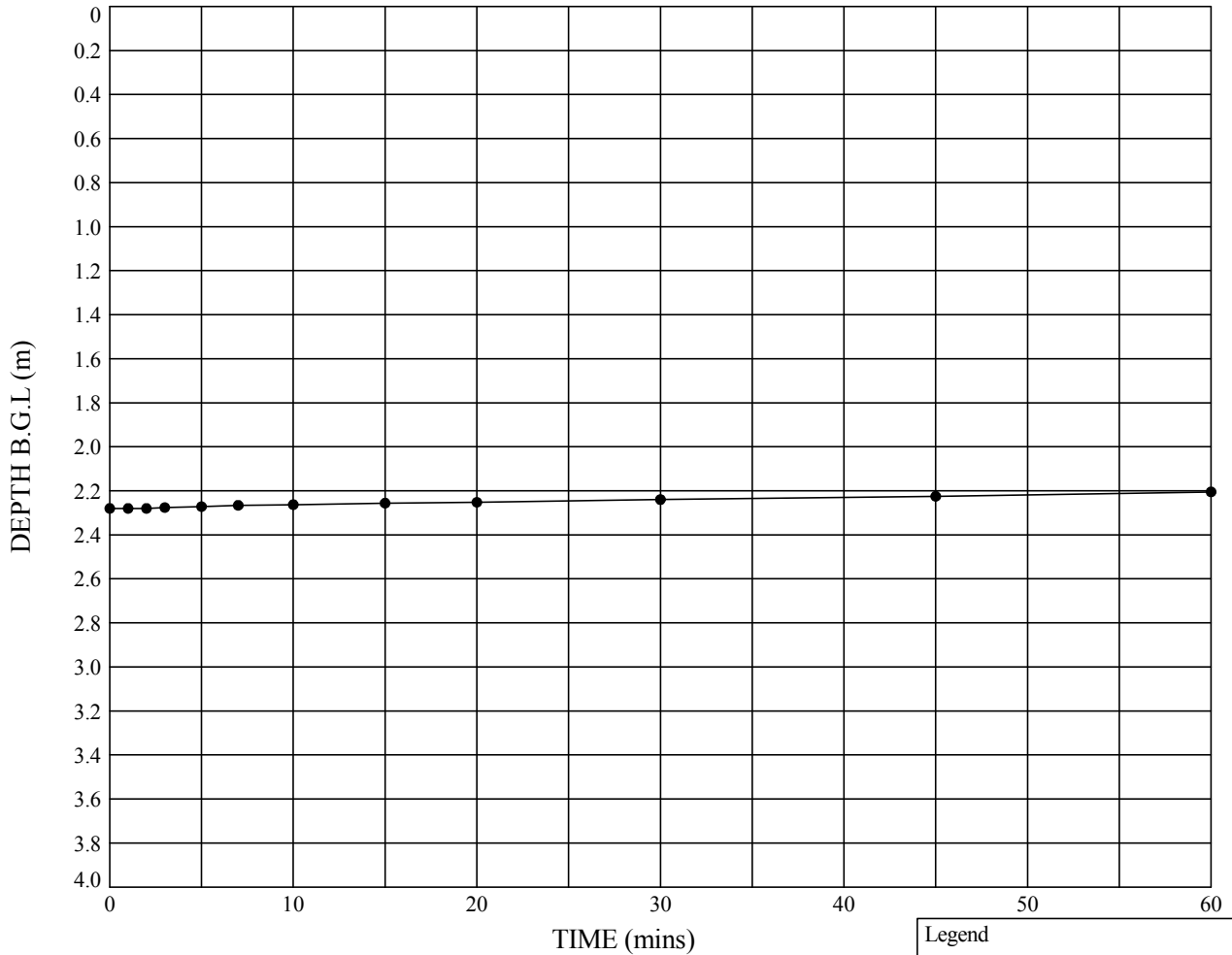


FULL SCALE SOAKAWAY TEST

Non standard test

Soakaway Test - Position ID : TP01

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Pit start depth: = **3.50** m
 Pit final depth: = **3.49** m
 Effective depth, D_e = **1.21** m
 Effective storage volume, V_{p75-25} = **0.8315** m³
 Surface area, a_{p50} = **4.8745** m²
 Time, t_{p75-25} = **N/A** secs
 Infiltration rate, f = **N/A** m/s

Notes: Test 1 - Rise in water level. Unable to calculate infiltration rate.

Legend

● Test 1 (19.05.15)

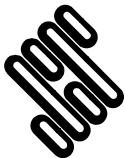
Plan (Not to scale)

2.30

0.60

No Bearing Taken

Approved Signatories: J.BARRETT A.FROST M.STOKES S.HANDCOCK S.PHILP M.STROWGER J.MAJOR

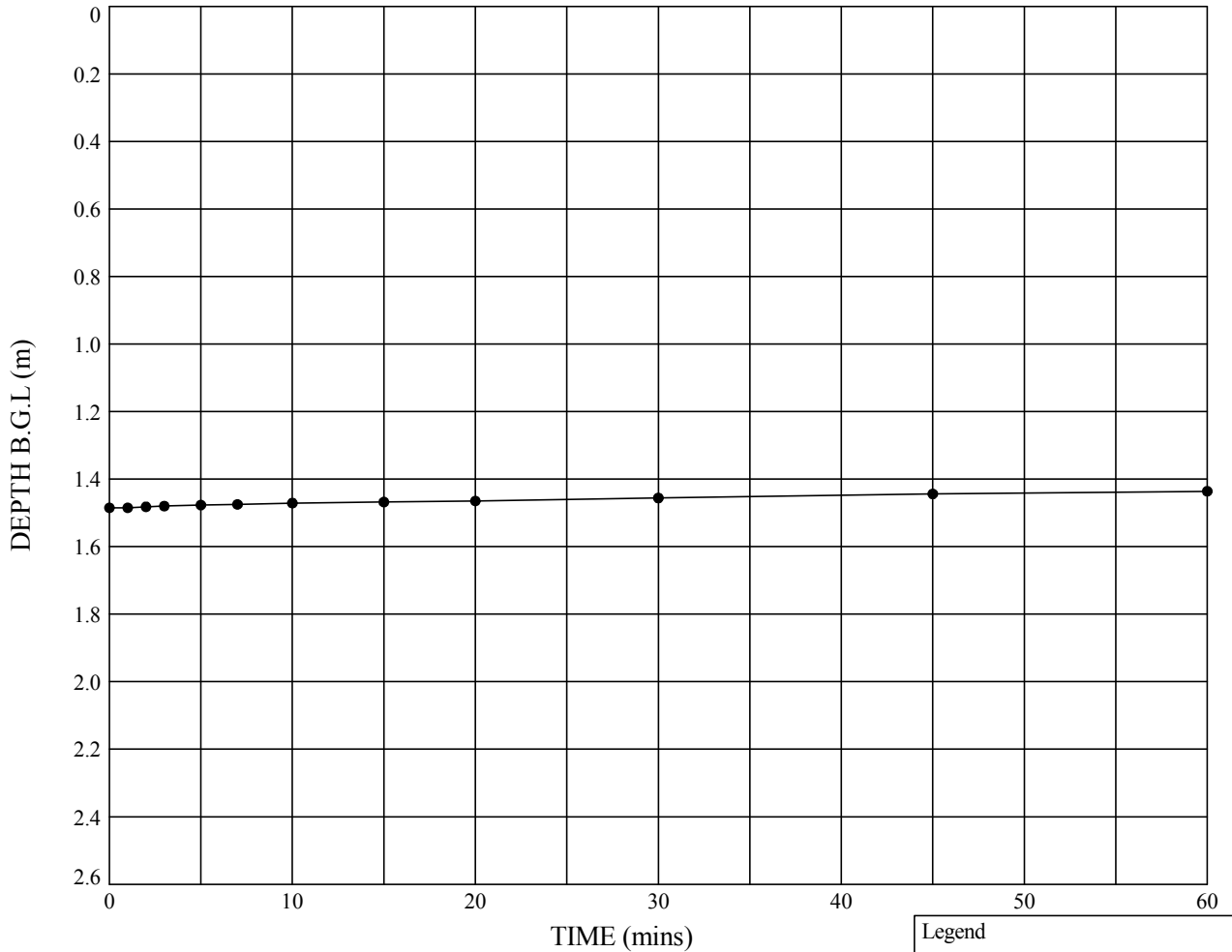
 <p>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</p>	Compiled By	Date	Checked By	Date
	<i>M.Strowger</i>	22/05/15	<i>S. Philp</i>	22/05/15
	Contract Green Lane, Chesterton		Contract Ref: 745612	

FULL SCALE SOAKAWAY TEST

Non standard test

Soakaway Test - Position ID : TP03

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Pit start depth: = **2.66** m
 Pit final depth: = **2.61** m
 Effective depth, D_e = **1.13** m
 Effective storage volume, V_{p75-25} = **0.6750** m³
 Surface area, a_{p50} = **4.1250** m²
 Time, t_{p75-25} = **N/A** secs
 Infiltration rate, f = **N/A** m/s

Notes: Test 1 - Standing water in pit at start of test. Rise in water level. Unable to calculate infiltration rate.

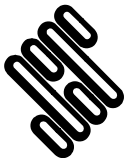
Legend

● Test 1 (19.05.15)

Plan (Not to scale)

No Bearing Taken

Approved Signatories: J.BARRETT A.FROST M.STOKES S.HANDCOCK S.PHILP M.STROWGER J.MAJOR

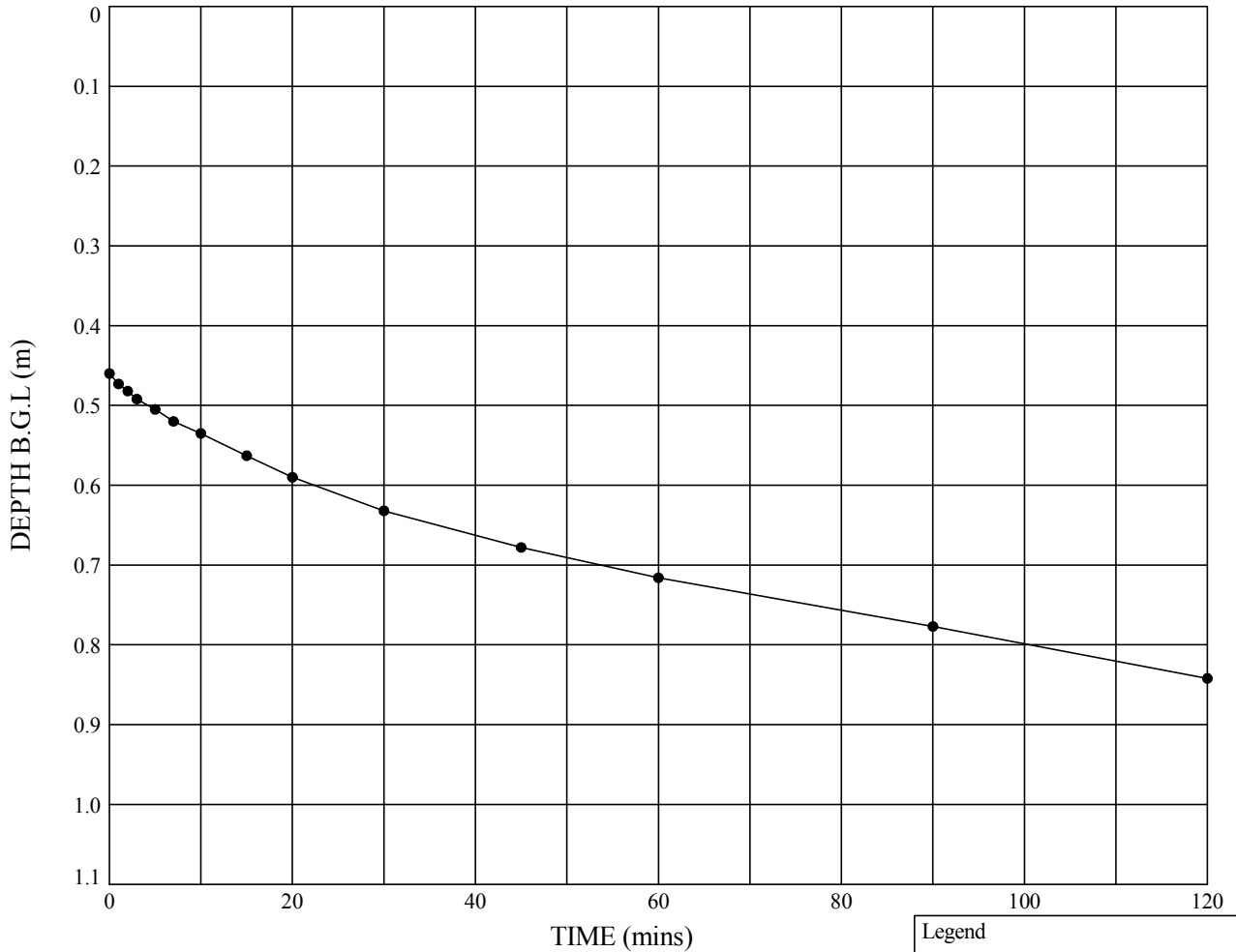
 <p>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</p>	Compiled By	Date	Checked By	Date
	<i>M.Strowger</i>	22/05/15	<i>S. Philp</i>	22/05/15
	Contract Green Lane, Chesterton		Contract Ref: 745612	

FULL SCALE SOAKAWAY TEST

Non standard test

Soakaway Test - Position ID : **TP06**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



Pit start depth: = **1.08** m
 Pit final depth: = **1.06** m
 Effective depth, D_e = **0.60** m
 Effective storage volume, V_{p75-25} = **0.3392** m³
 Surface area, a_{p50} = **2.6275** m²
 Time, t_{p75-25} = **7568** secs
 Infiltration rate, f = **1.71×10^{-5}** m/s

Please note test data was extrapolated to obtain $t_{p75-tp25}$.

Legend

● Test 1 (19.05.15)

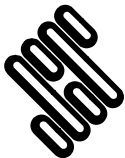
Plan (Not to scale)

1.90

0.60

No Bearing Taken

Approved Signatories: J.BARRETT A.FROST M.STOKES S.HANDCOCK S.PHILP M.STROWGER J.MAJOR

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	<i>M.Strowger</i>	22/05/15	<i>S. Philp</i>	22/05/15
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