



GROUND TESTING LTD

INSITU TESTING REPORT



27904

Report No.	1637 - R.01(00)	Date	19 May 2026
Contract	Sugworth Farm, Borde Hill Estate		
Client	Blakedown Landscapes Ltd	Client Address	Halebourne Nurseries Halebourne Chobham Surrey GU24 8SL
Contact(s)	Martin Wiles		
Order No.	L562786	Client Reference	N/A
Test Date(s)	19/05/2026		

UKAS Accredited Tests

3no. Plate load tests in accordance with BS1377: Part 9: 2025

Not UKAS Accredited Tests

1no. Soakaway test in accordance with BRE:365

Remarks:

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our company

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

All tests have unique 'Sample Identification' which is given by the combination of the contract reference number and 'Position I.D'

Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Approved signatories - Steven Philp & Sam Handcock

Ground Testing Ltd, 54 George Street, W-S-M, BS23 3AS - Company Registration 12200980

Contact: ask@groundtesting.co.uk

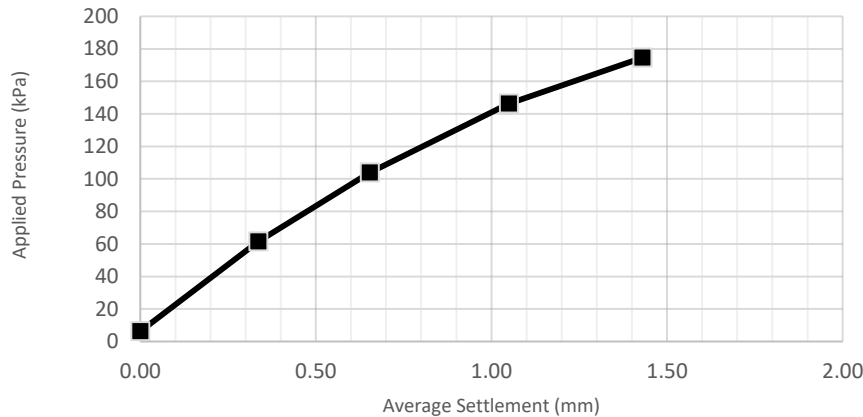
INCREMENTAL PLATE LOAD TESTING

In accordance with BS1377:Part 9:2025

Position ID: **CBR 1 - Pizza oven**

Depth (mm): **400 BGL**

Date: **19 May 2026**



Applied Pressure (kPa)	Average Settlement (mm)
6	0.00
61	0.34
104	0.65
146	1.05
175	1.43

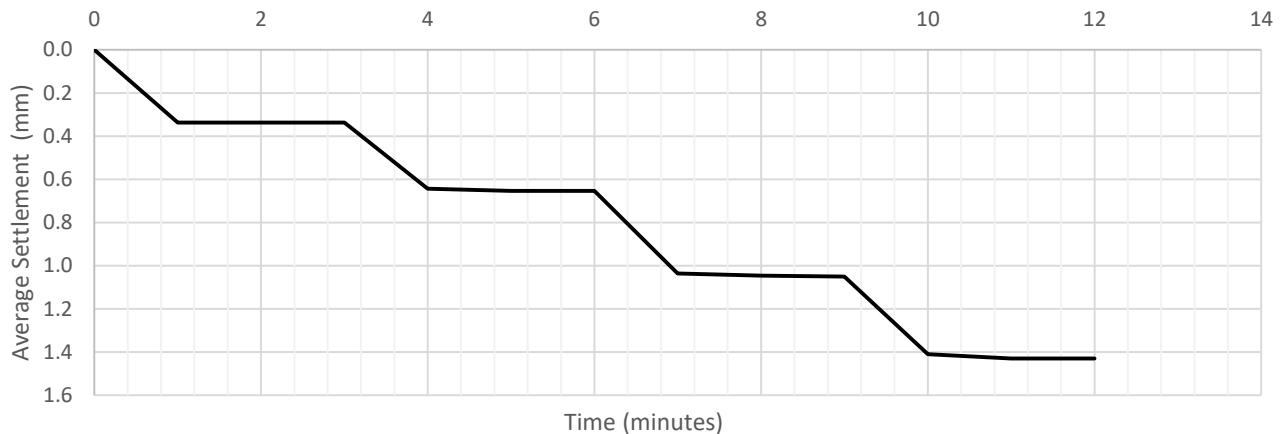


Plate Diameter (mm):	300	Max Applied Pressure (kPa):	175
Reaction Load:	6T Excavator	Max Applied Deformation (mm):	1.43

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure (kPa):	161	k300 (kN/m ² /m):	128955
Conversion to k ₇₆₂ :	k300 x 0.4423	k ₇₆₂ (kN/m ² /m):	57037
Approximate Equivalent CBR Value (%):	11		

Calculations derived from section 7.14 of department of Transport, Interim Advice Note 73/06 (draft HD25) February 2009
Design guidance for Road Pavement Foundations

Additional Information

Description of Test Material:	Brown CLAY (Formation)	Start Temperature:	12 °C
Environmental Conditions:	Overcast	End Temperature:	12 °C
Seating Load:	0.6 kN		

Remarks:



Checked By

Date

Steven Philp

S. Philp

19-May-26

Contract Ref:

Contract Name:

1637

Sugworth Farm, Borde Hill Estate

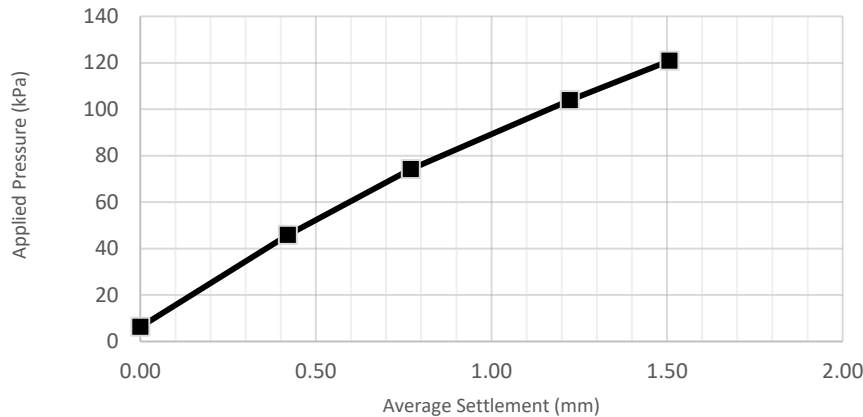
INCREMENTAL PLATE LOAD TESTING

In accordance with BS1377:Part 9:2025

Position ID: **CBR 2 - Communal hub**

Depth (mm): **400 BGL**

Date: **19 May 2026**



Applied Pressure (kPa)	Average Settlement (mm)
6	0.00
46	0.42
74	0.77
104	1.22
121	1.51

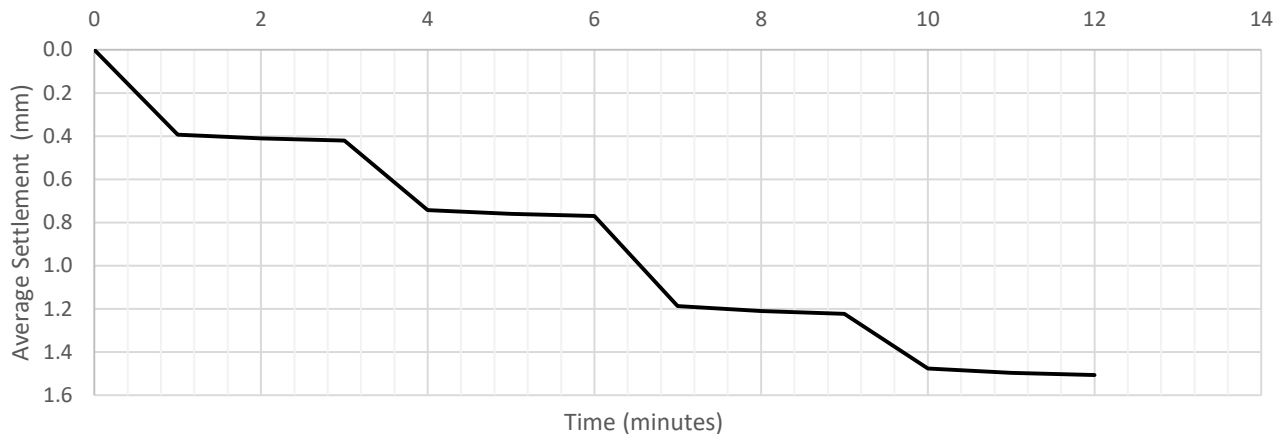


Plate Diameter (mm):	300	Max Applied Pressure (kPa):	121
Reaction Load:	6T Excavator	Max Applied Deformation (mm):	1.51

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure (kPa):	105	k300 (kN/m ² /m):	84366
Conversion to k ₇₆₂ :	k300 x 0.4423	k ₇₆₂ (kN/m ² /m):	37315
Approximate Equivalent CBR Value (%):	5.1		

Calculations derived from section 7.14 of department of Transport, Interim Advice Note 73/06 (draft HD25) February 2009
Design guidance for Road Pavement Foundations

Additional Information

Description of Test Material:	Brown CLAY (Formation)		
Environmental Conditions:	Overcast	Start Temperature:	12 °C
Seating Load:	0.4 kN	End Temperature:	12 °C

Remarks:



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Steven Philp

S. Philp

19-May-26

Contract Ref:

Contract Name:

1637

Sugworth Farm, Borde Hill Estate

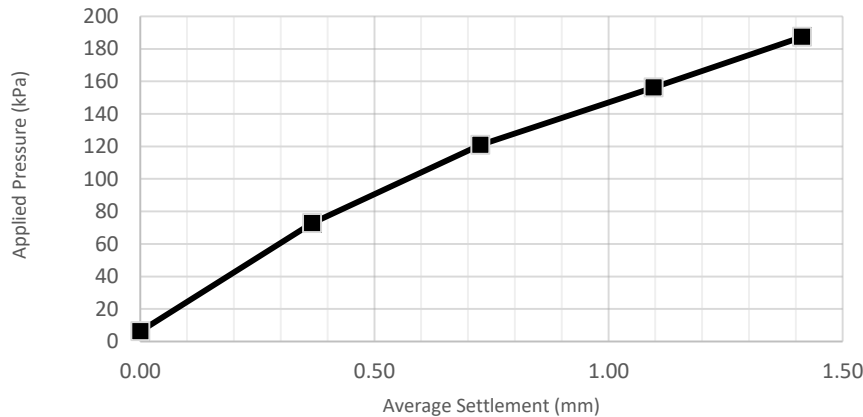
INCREMENTAL PLATE LOAD TESTING

In accordance with BS1377:Part 9:2025

Position ID: **CBR 3 - Car park**

Depth (mm): **400 BGL**

Date: **19 May 2026**



Applied Pressure (kPa)	Average Settlement (mm)
6	0.00
73	0.37
121	0.73
156	1.10
187	1.41

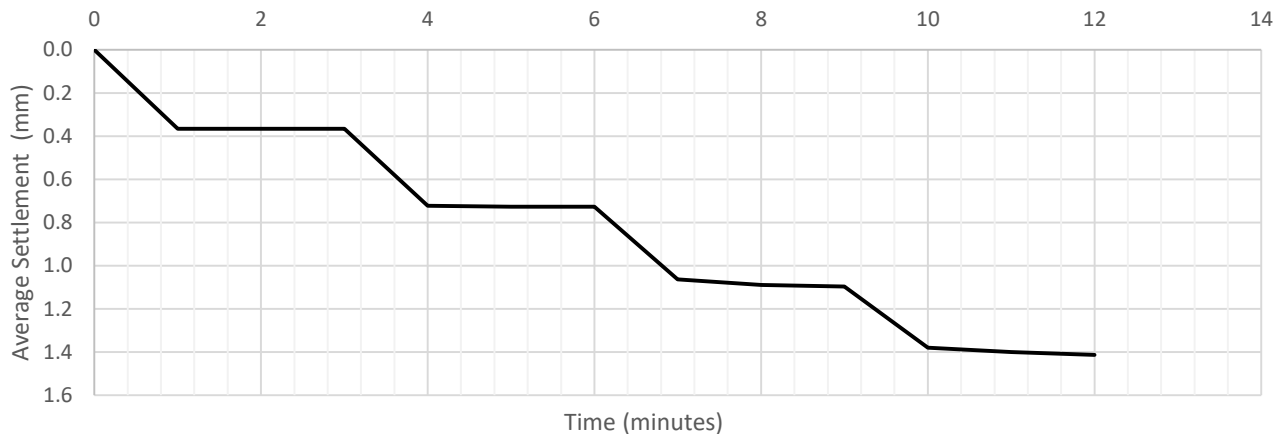


Plate Diameter (mm): **300**

Max Applied Pressure (kPa): **187**

Reaction Load: **6T Excavator**

Max Applied Deformation (mm): **1.41**

Modulus of Subgrade Reaction at 1.25mm

Applied Pressure (kPa): **171**

k300 (kN/m²/m): **137020**

Conversion to k₇₆₂: **k300 x 0.4423**

k₇₆₂ (kN/m²/m): **60604**

Approximate Equivalent CBR Value (%): **12**

Calculations derived from section 7.14 of department of Transport, Interim Advice Note 73/06 (draft HD25) February 2009
Design guidance for Road Pavement Foundations

Additional Information

Description of Test Material: **Brown CLAY (Formation)**

Environmental Conditions: **Overcast**

Seating Load: **0.6 kN**

Start Temperature: **12 °C**

End Temperature: **12 °C**

Remarks:



Checked By

Date

Steven Philp

S. Philp

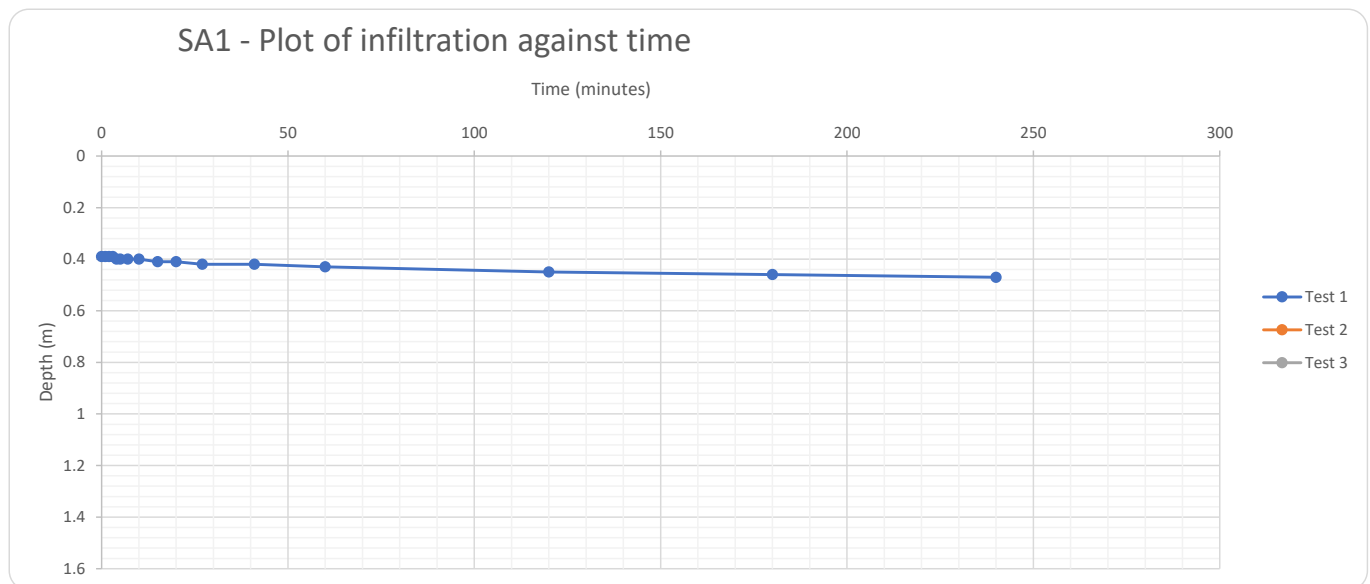
19-May-26

Contract Ref:

Contract Name:

1637

Sugworth Farm, Borde Hill Estate



	TEST1 14/May/2026 	TEST2 00/Jan/1900 	TEST3 00/Jan/1900 
Total pit depth at start of test (m)	1.35	-	-
Total pit depth at end of test (m)	1.35	-	-
Effective Depth, De (m)	0.96	-	-
Effective Storage Volume, Vp75-25 (m3)	0.35	-	-
Surface Area, ap50 (m2)	2.69	-	-
Time, tp75-25 (seconds)	NA	-	-
Infiltration rate, f (m/s)	NA	-	-
50% ED	0.48	-	-

Depth	Soil Description
0.00 – 0.30m	Brown slightly sandy CLAY (TOPSOIL)
0.30 – 0.90m	Brown slightly sandy CLAY
0.90 - 1.35m	Orangey brown slightly sandy CLAY

Notes:

No groundwater was encountered in the pit

Weather was overcast

Pit was dug with a 6T Excavator.

Pit was filled using a 1000Ltr bowser.

Pit Dimensions: L 1.6m x W 0.45m x D 1.35m

NGR: TQ3252026189

Unable to calculate infiltration due to insufficient drainage.