



GROUND TESTING LTD

INSITU TESTING REPORT



27904

Report No.	1476 - R.01(00)	Date	23 March 2026
Contract	Kings Arms, Trowbridge		
Client	Doric Developments (Bath) Ltd	Client Address	Doric House Middleton Drive Bradford on Avon Wiltshire BA15 1GB
Contact(s)	Nathaniel Timbrell-Whittle		
Order No.	NA	Client Reference	NA
Test Date(s)	23/03/2026		

UKAS Accredited Tests

3no. In-situ CBR Tests in accordance with BS1377: Part 9: 2025

Not UKAS Accredited Tests

2no. Soakaway Tests 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

IN-SITU CALIFORNIA BEARING RATIO TEST

In accordance with BS1377:Part 9:2025

Position Ref:

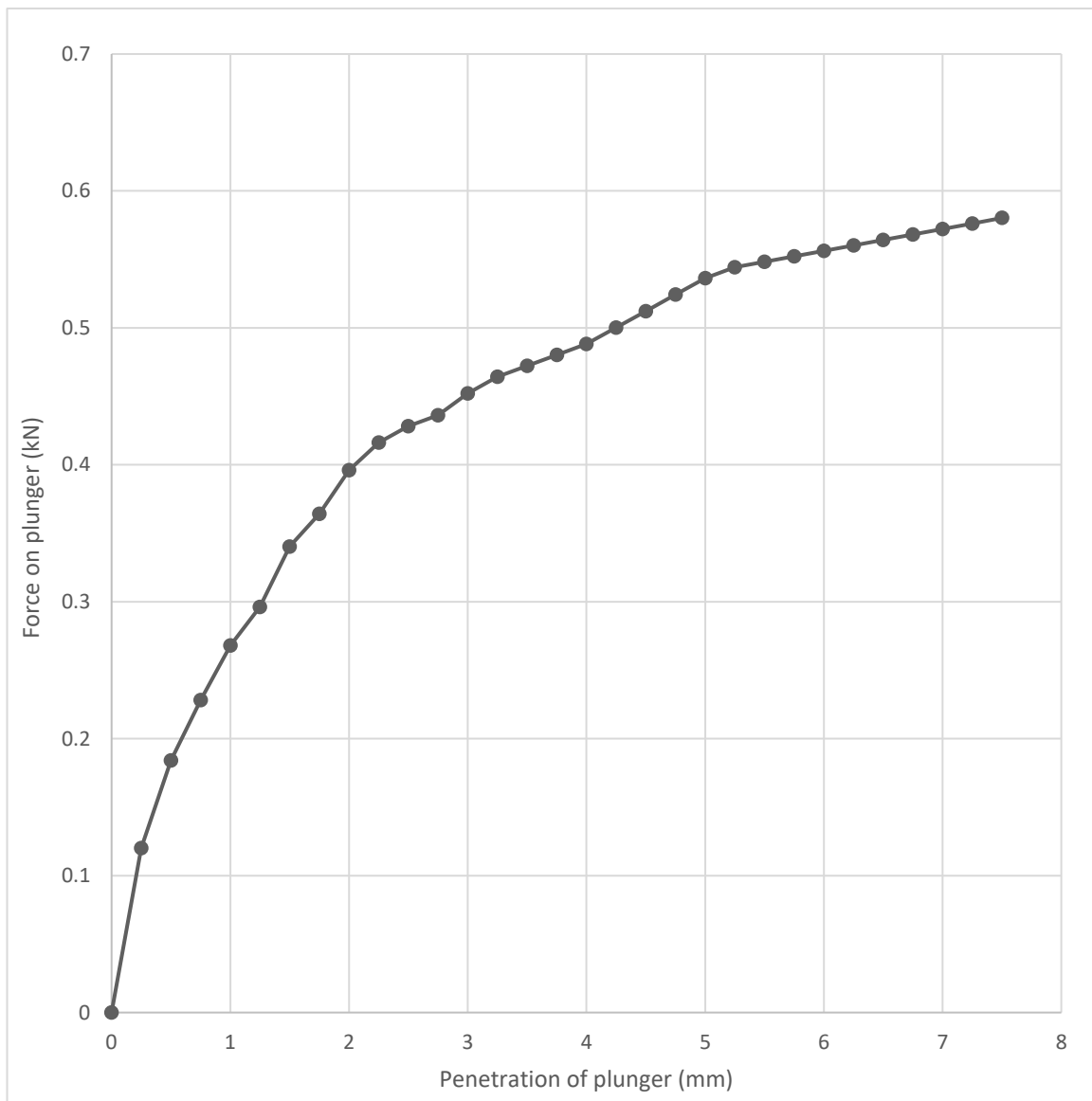
CBR 2

Depth (m):

0.8

Date:

23/03/2026



Test Details		Test Conditions		Test Results	
Surcharge (kg): 9.08		Weather: Clear		CBR Value (%): 3.2	
Surcharge Pressure (kPa): 2		Temperature (°C): 10			
Sample Description			Test Notes		
Greyish brown sandy CLAY			Estimated Particles >20mm (%) 0		
			Size and position of particles >20mm in relation to the plunger: Unknown		
Remarks: NGR: ST 86102 60163					
		Checked By:		Contract Ref:	
		Steven Philp		1476	
		23 March 2026		Kings Arms, Trowbridge	
		<i>S. Philp</i>			

IN-SITU CALIFORNIA BEARING RATIO TEST

In accordance with BS1377:Part 9:2025

Position Ref:

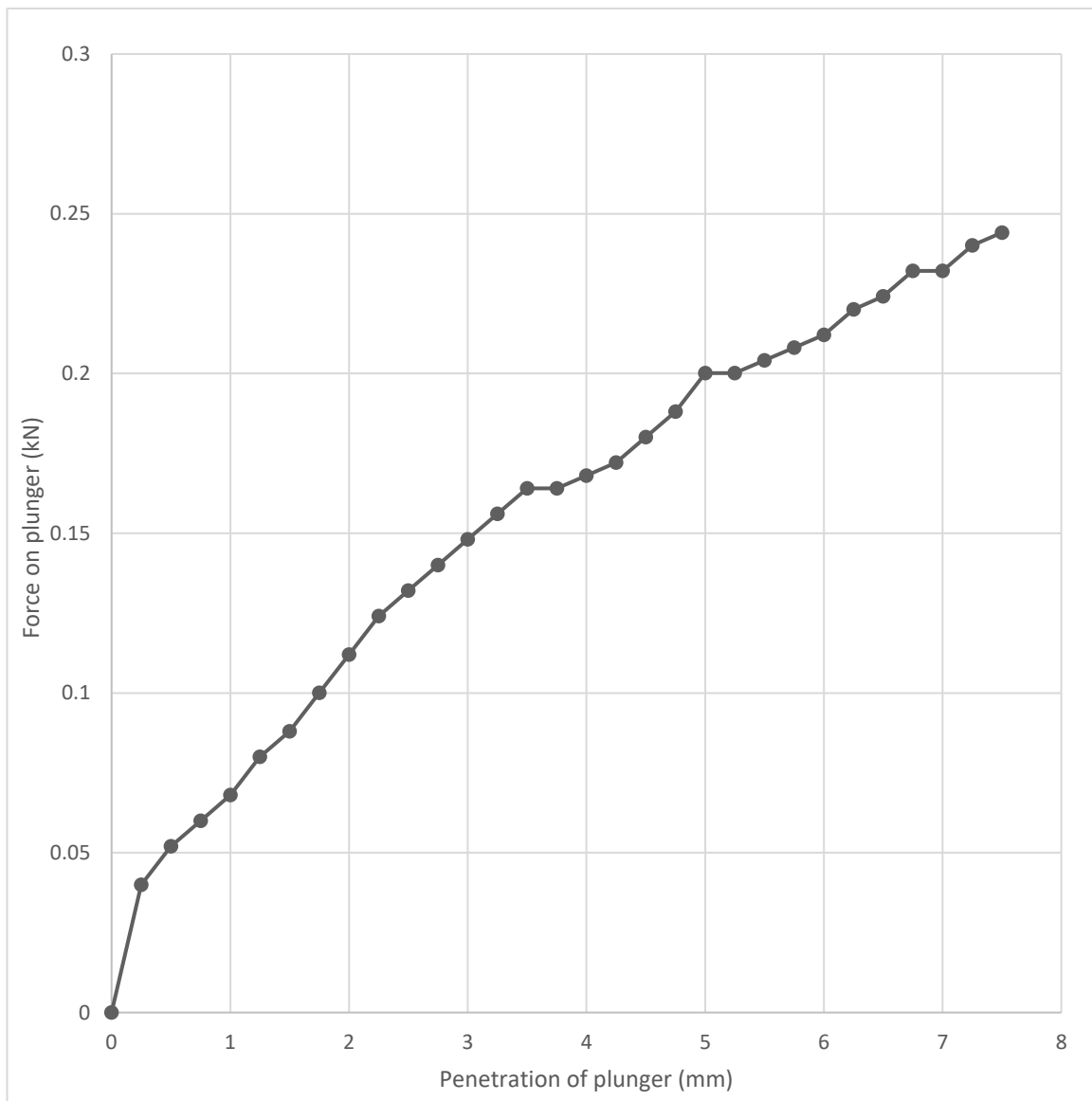
CBR 1

Depth (m):

0.8

Date:

23/03/2026



Test Details		Test Conditions		Test Results	
Surcharge (kg): 9.08		Weather: Clear		CBR Value (%): 1.0	
Surcharge Pressure (kPa): 2		Temperature (°C): 12			
Sample Description			Test Notes		
Greyish brown sandy CLAY			Estimated Particles >20mm (%) 0		
			Size and position of particles >20mm in relation to the plunger: Unknown		
Remarks: NGR: ST 86109 60183					
		Checked By:		Contract Ref:	
		Steven Philp		1476	
		23 March 2026		Kings Arms, Trowbridge	
		<i>S. Philp</i>			

IN-SITU CALIFORNIA BEARING RATIO TEST

In accordance with BS1377:Part 9:2025

Position Ref:

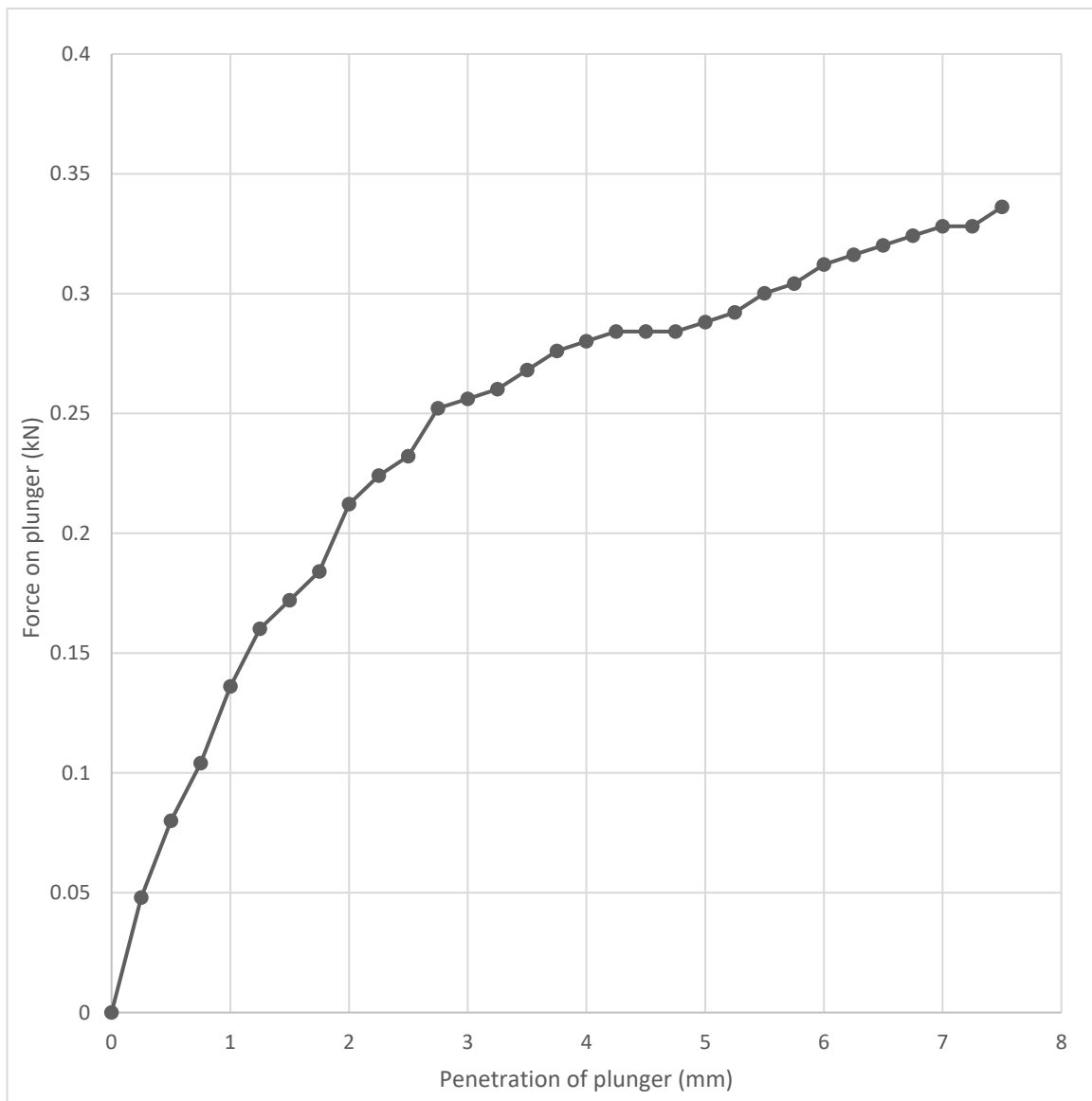
CBR 3

Depth (m):

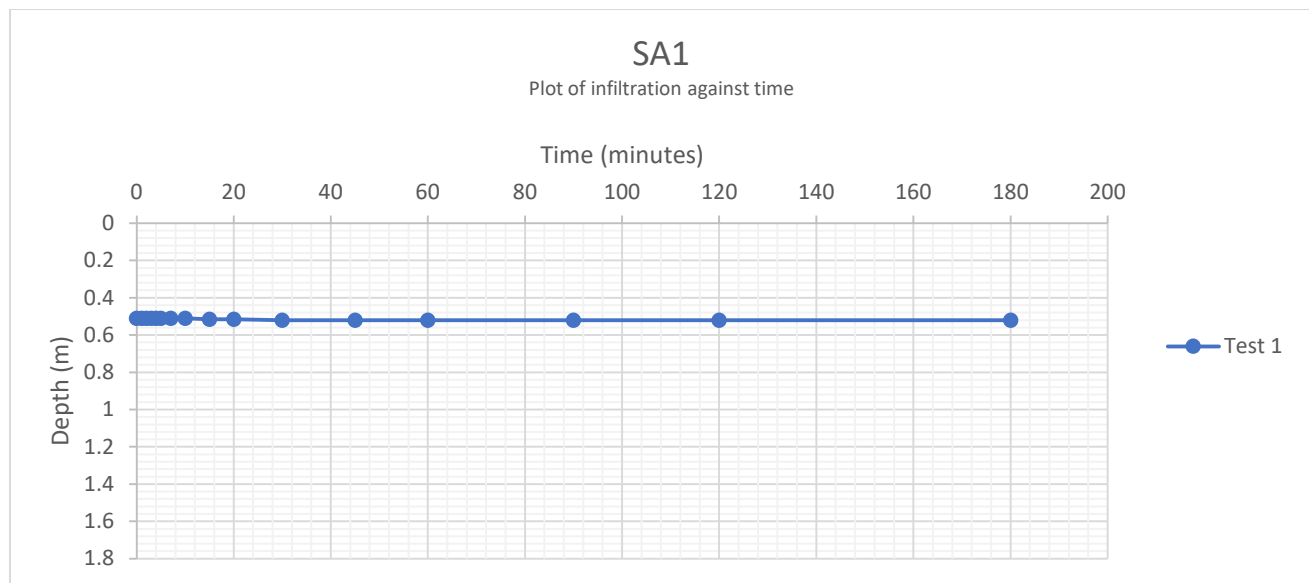
0.8

Date:

23/03/2026



Test Details		Test Conditions		Test Results	
Surcharge (kg): 9.08		Weather: Clear		CBR Value (%): 1.8	
Surcharge Pressure (kPa): 2		Temperature (°C): 12			
Sample Description			Test Notes		
Brown sandy CLAY			Estimated Particles >20mm (%) 0		
			Size and position of particles >20mm in relation to the plunger: Unknown		
Remarks: NGR: ST 86131 60209					
		Checked By:		Contract Ref:	
		Steven Philp		1476	
		23 March 2026		Kings Arms, Trowbridge	
		<i>S. Philp</i>			

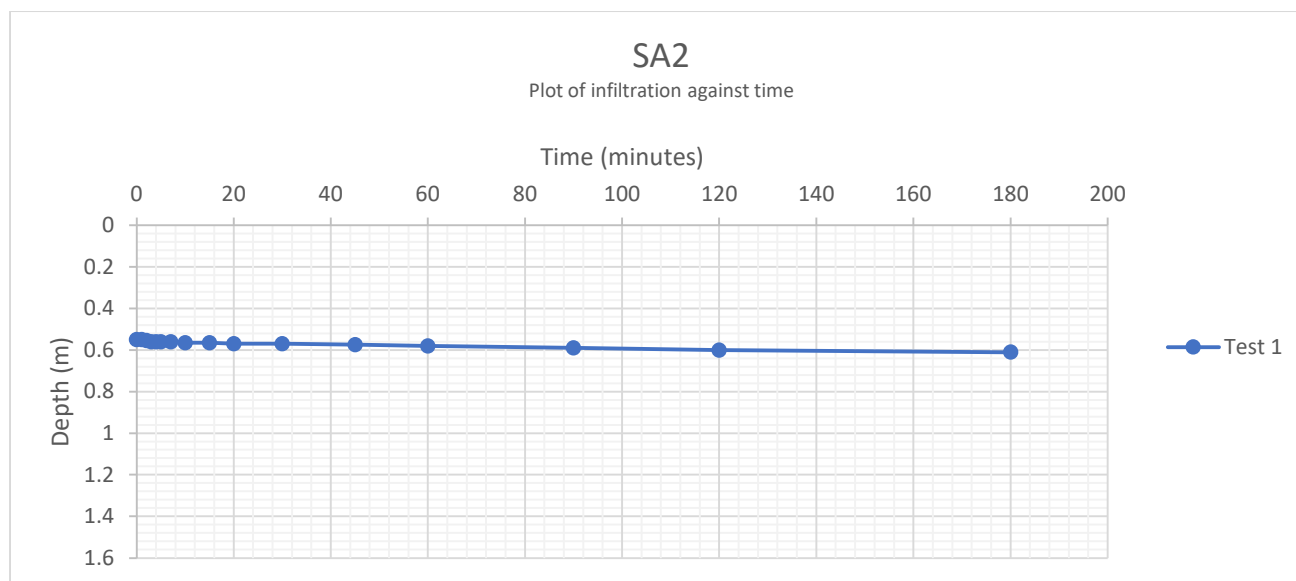


	Test 1 (23.03.26)	Test 2	Test 3
	●	●	●
Total pit depth at start of test (m)	1.70	-	-
Total pit depth at end of test (m)	1.70	-	-
Effective Depth, D_e (m)	1.19	-	-
Effective Storage Volume, V_{p75-25} (m ³)	0.40	-	-
Surface Area, a_{p50} (m ²)	3.18	-	-
Time, t_{p75-25} (seconds)	NA	-	-
Infiltration rate, f (m/s)	NA	-	-

Depth	Soil Description
0 – 0.10m	Tarmac
0.10 – 0.5m	Pinkish grey sandy GRAVEL
0.50 – 0.90m	Blueish grey sandy CLAY
0.90 – 1.50	Orangish brown slightly sandy CLAY

Notes:

Slight ingress of water prior to testing
Weather was sunny.
Pit was dug with a 8T JCB
Pit was filled using a 1000Ltr bowser.
Pit dimensions: **L 1.70m x W 0.40m x D 1.70m**
NGR: **ST 86102 60163**
Unable to calculate an infiltration rate due to insufficient drainage.



	Test 1 (23.03.26)	Test 2	Test 3
	●	●	●
Total pit depth at start of test (m)	1.50	-	-
Total pit depth at end of test (m)	1.50	-	-
Effective Depth, D_e (m)	1.95	-	-
Effective Storage Volume, V_{p75-25} (m ³)	0.46	-	-
Surface Area, a_{p50} (m ²)	3.62	-	-
Time, t_{p75-25} (seconds)	NA	-	-
Infiltration rate, f (m/s)	NA	-	-

Depth	Soil Description
0.00 – 0.50m	Pinkish grey sandy GRAVEL
0.50 – 1.20m	Grey very sandy CLAY
1.20 – 1.50m	Orangish brown SAND

Notes:

Slight ingress of water prior to testing

Weather was sunny.

Pit was dug with a 8T JCB

Pit was filled using a 1000Ltr bowser.

Pit dimensions: **L 2.40m x W 0.40m x D 1.50m**

NGR: **ST 86109 60183**

Unable to calculate an infiltration rate due to insufficient drainage.



Comment SA1	Project Kings Arms, Trowbridge
	Photo Plate 1
	Date 23/03/26
	Originator S.Philp
	 GROUND TESTING LTD Ground Testing Ltd ask@groundtesting.co.uk www.groundtesting.co.uk VAT: 332931414 Reg: 12200980



Comment SA2	Project Kings Arms, Trowbridge
	Photo Plate 2
	Date 23/03/26
	Originator S.Philp
	 GROUND TESTING LTD Ground Testing Ltd ask@groundtesting.co.uk www.groundtesting.co.uk VAT: 332931414 Reg: 12200980



Comment GW Pit Slight ingress of water. 0.00-0.40m Brown slightly sandy gravelly CLAY many roots and rootlets (TOPSOIL) 0.40-1.80 Orangish greyish brown slightly sandy silty CLAY 1.80-2.30 Orangish brownish grey very sandy silty CLAY Weather was sunny. Pit was dug with a 8T JCB Pit dimensions: L 2.40m x W 0.40m x D 2.30m NGR: ST 86086 60164	Project Kings Arms, Trowbridge
	Photo Plate 3
	Date 23/03/26
	Originator S.Philp
	 Ground Testing Ltd ask@groundtesting.co.uk www.groundtesting.co.uk VAT: 332931414 Reg: 12200980