

Johnson Poole & Bloomer Consultants

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Unit 8

Shaw House

Two Woods Lane

Brierley Hill


DY5 1TA

For the attention of Mr. David Pacheco

Report No: C7605

Issue No 01

LABORATORY TEST REPORT

| Project Name | BREAKSPEAR ROAD SOUTH, ICKENHAM, NEWYEARS GREEN, UXBRIDGE | | |
|--|--|---|--|
| Project Number | C7605 | Date samples received | |
| Your Ref | | Date written instructions received | 07/03/2022 |
| Purchase Order | 20220222 | Date testing commenced | 05/04/2022 |
| Please find enclosed the results as summarised below | | | |
| Item No | Test Quantity | Description | ISO 17025 Accredited |
| 10.05 | 18 | Insitu CBR | Yes |
| Remarks : | | | |
| Issued by : J Hopkins | | Date of Issue : 08/04/2022 | Key to symbols used in this report S/C : Testing was sub-contracted |
| Approved Signatories :  08/04/2022 | | J.Hopkins (Laboratory Coordinator), M D Brown (Senior Quality Manager), R Norris (Supervisor) | |
| <p>Unless we are notified to the contrary, samples will be disposed after a period of one month from this date.</p> <p>The results reported relate to samples received in the laboratory only.</p> <p>All results contained in this report are provisional unless signed by an approved signatory</p> <p>This report should not be reproduced except in full without the written approval of the laboratory.</p> <p>Under multisite accreditation the testing contained in this report may have been performed at another Terra Tek laboratory.</p> <p>Only those results indicated in this report are UKAS accredited and any opinions or interpretations expressed are outside the scope of UKAS accreditation.</p> <p>Feedback on the this report may be left via our website terratek.co.uk/feedback</p> | | | |



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 Terra Tek Ltd is registered in Scotland No. 121594
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Head Office : 62 Rochsolloch Road, Airdrie, ML6 9BG

Description: Dark olive brown slightly sandy CLAY.

Test Conditions:

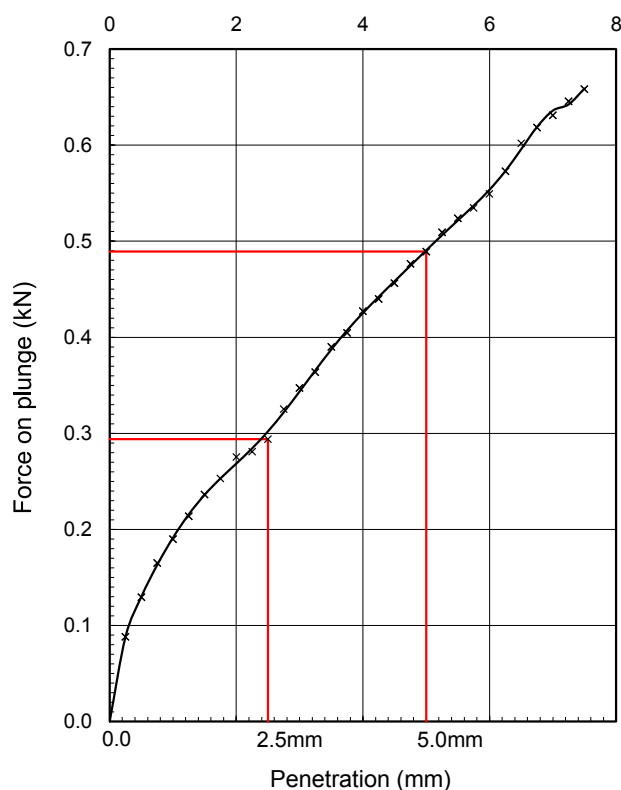
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 28 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.4%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly sandy CLAY.

Test Conditions:

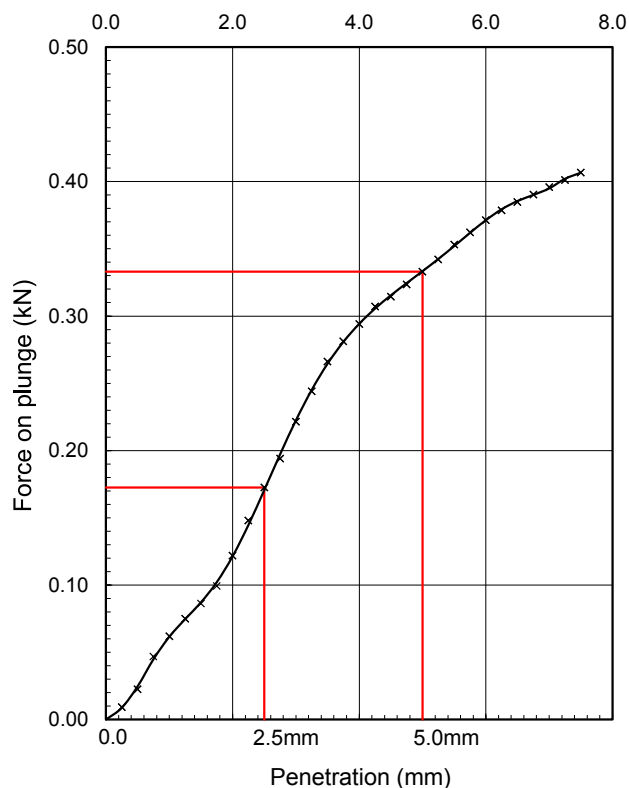
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 30 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.7%

Penetration (mm)



Originator

Checked & Approved

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3

Tk

Sheet 1 of 1

Description: Brown slightly sandy CLAY.

Test Conditions:

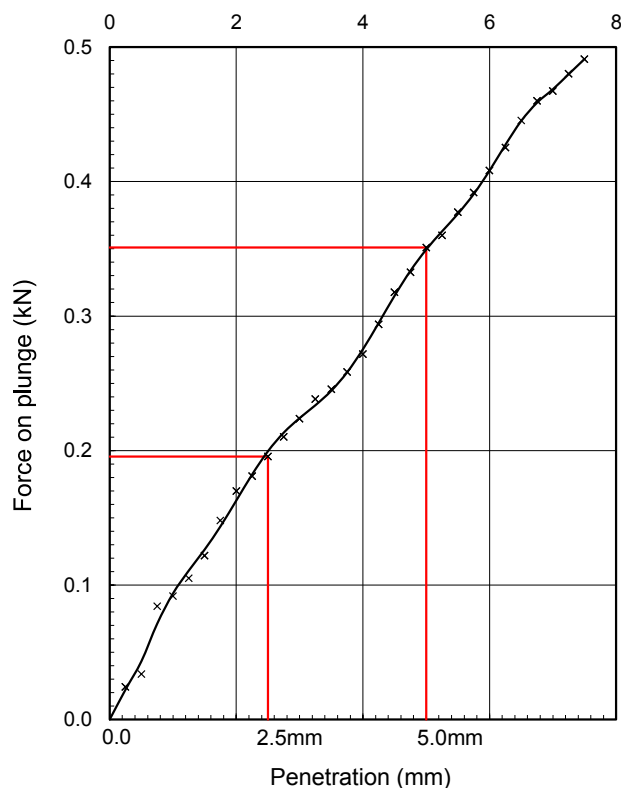
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 29 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.8%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly sandy CLAY.

Test Conditions:

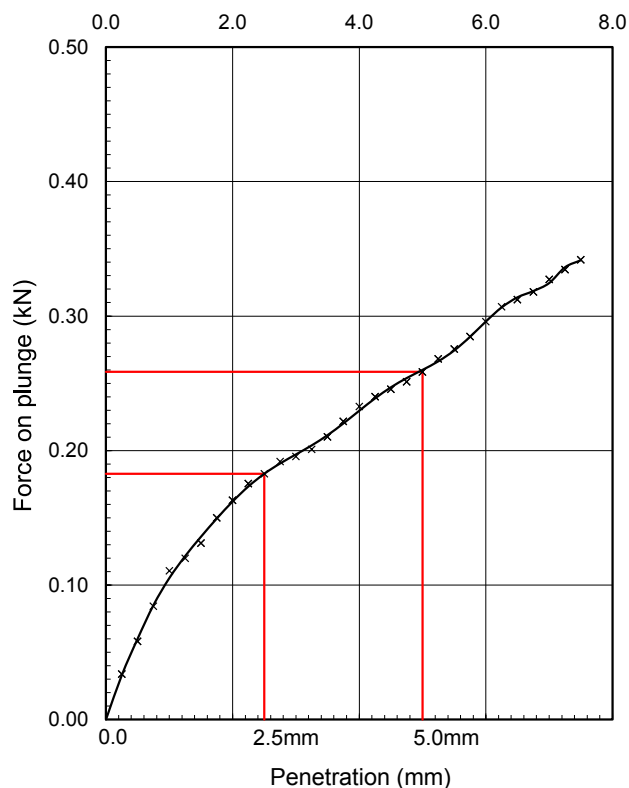
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 31 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.4%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Sheet 1 of 1

Description: Brown mottled dark brown slightly gravelly slightly sandy CLAY. Gravel is fine.

Test Conditions:

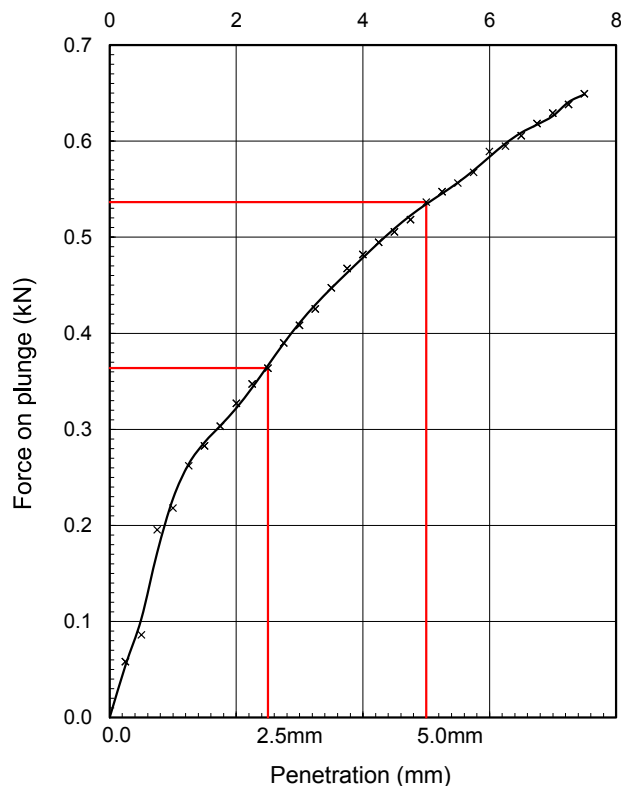
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 22 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.8%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly gravelly slightly sandy CLAY. Gravel is fine to medium.

Test Conditions:

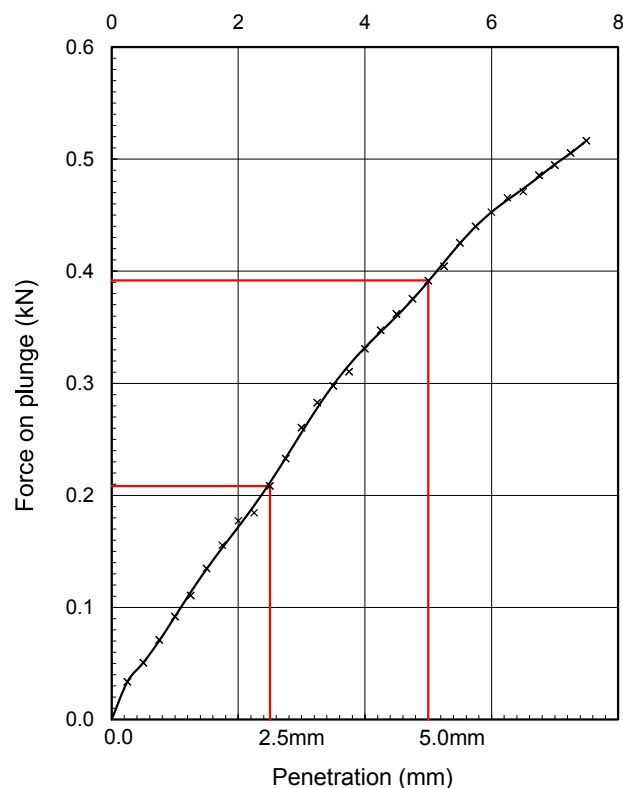
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 24 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.0%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Dark olive slightly sandy CLAY.

Test Conditions:

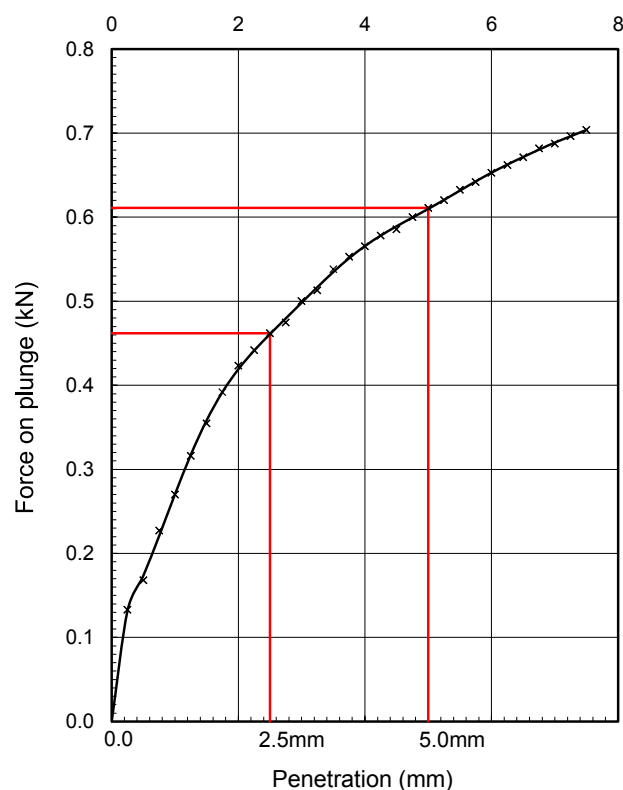
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 22 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 3.5%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly gravelly slightly sandy CLAY. Gravel is fine to medium.

Test Conditions:

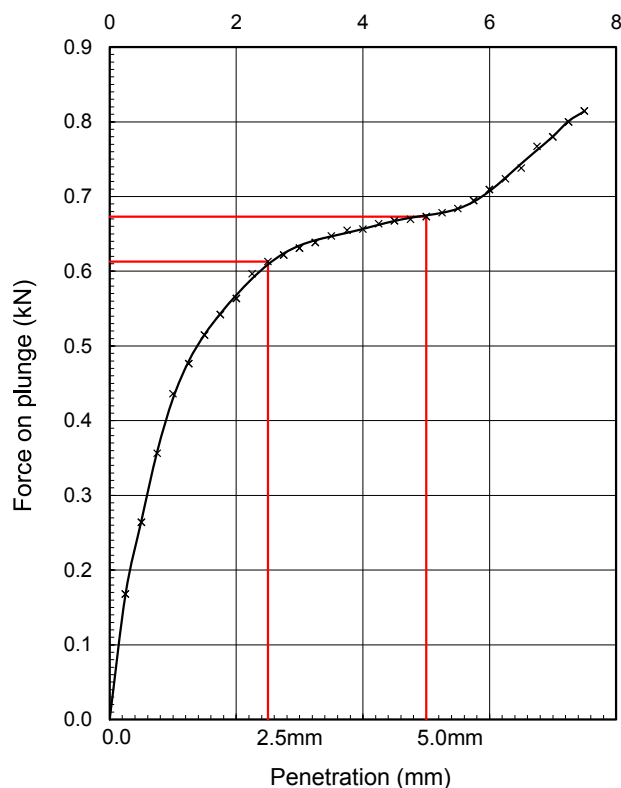
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 20 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 4.6%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly gravelly slightly sandy CLAY. Gravel is fine to medium.

Test Conditions:

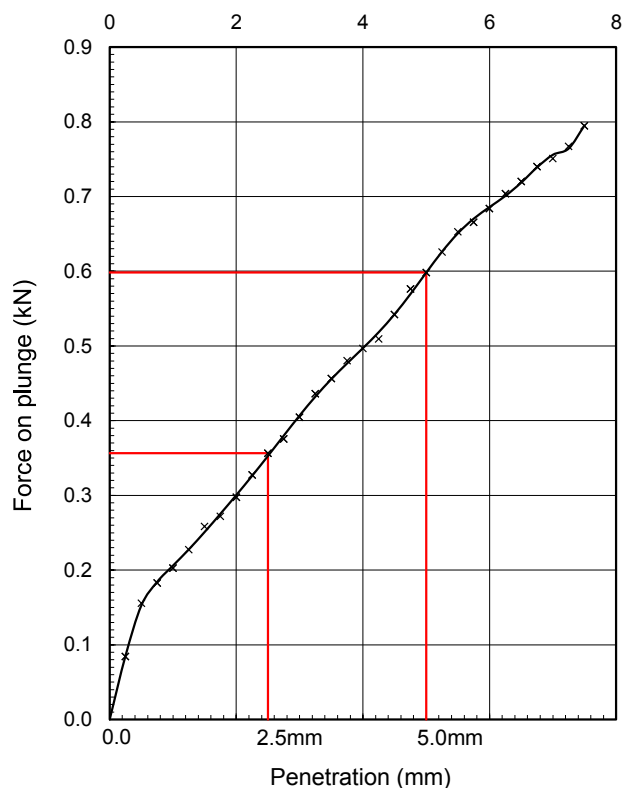
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 21 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 3.0%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly gravelly slightly sandy CLAY. Gravel is fine.

Test Conditions:

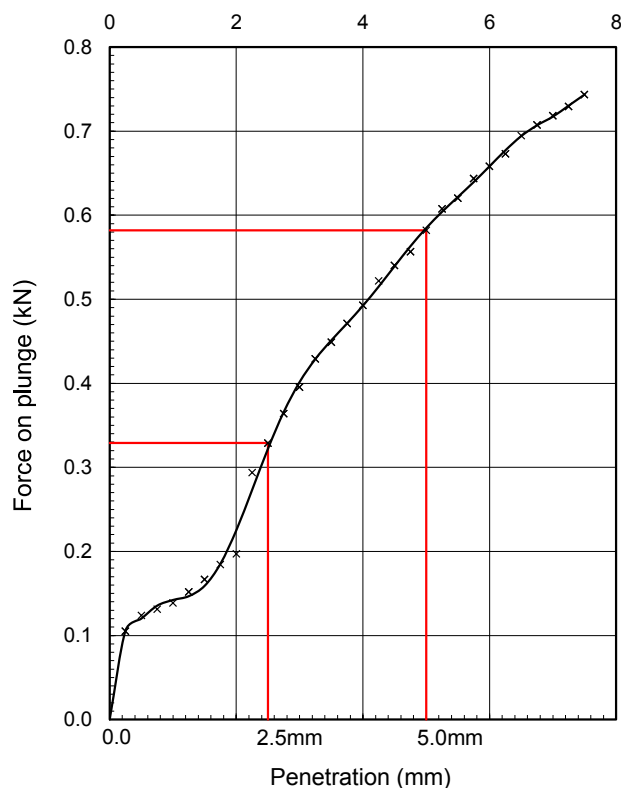
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 32 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.9%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly sandy CLAY.

Test Conditions:

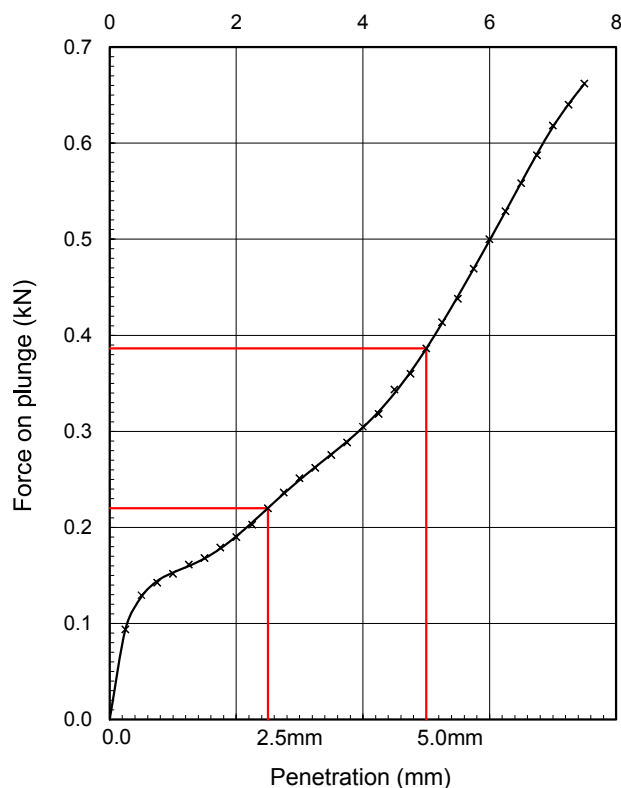
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 15 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.9%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Dark olive slightly sandy CLAY.

Test Conditions:

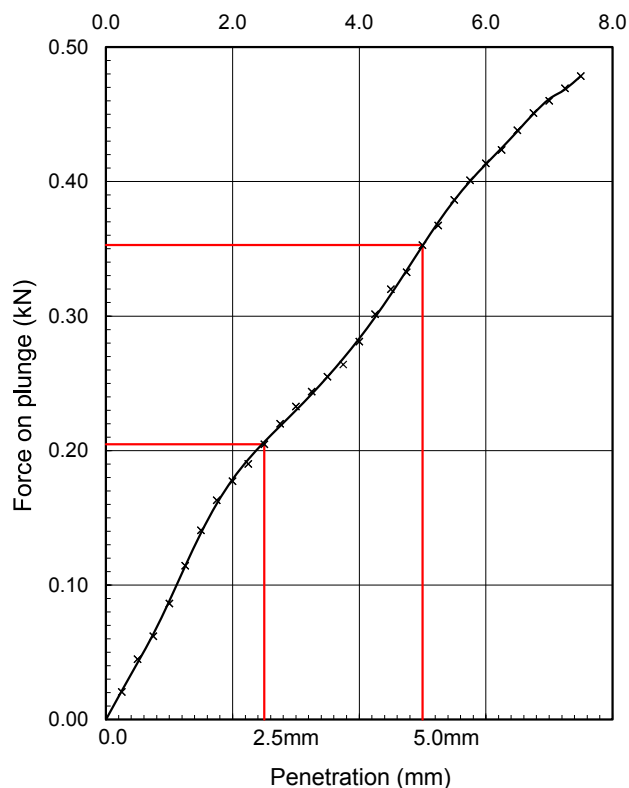
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 27 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.8%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly sandy CLAY.

Test Conditions:

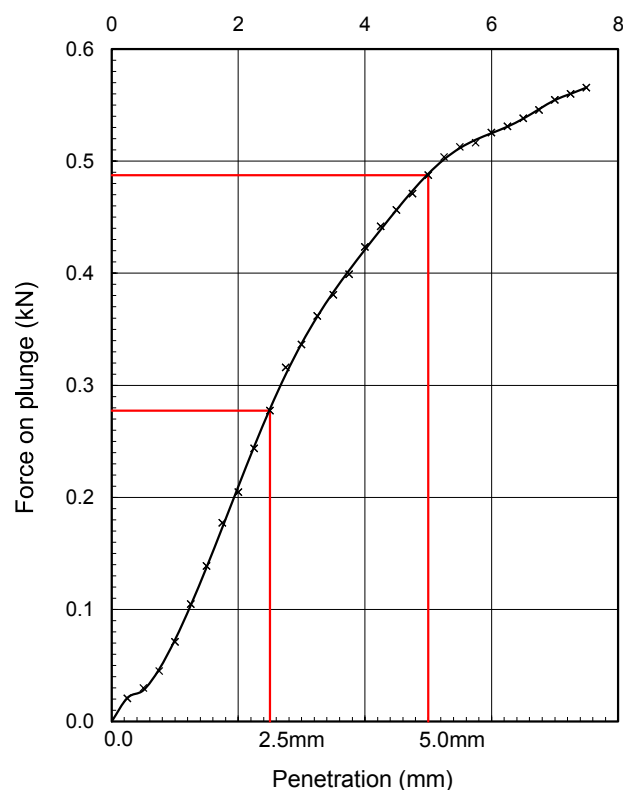
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 32 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.4%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Sheet 1 of 1

Description: Brown slightly sandy CLAY.

Test Conditions:

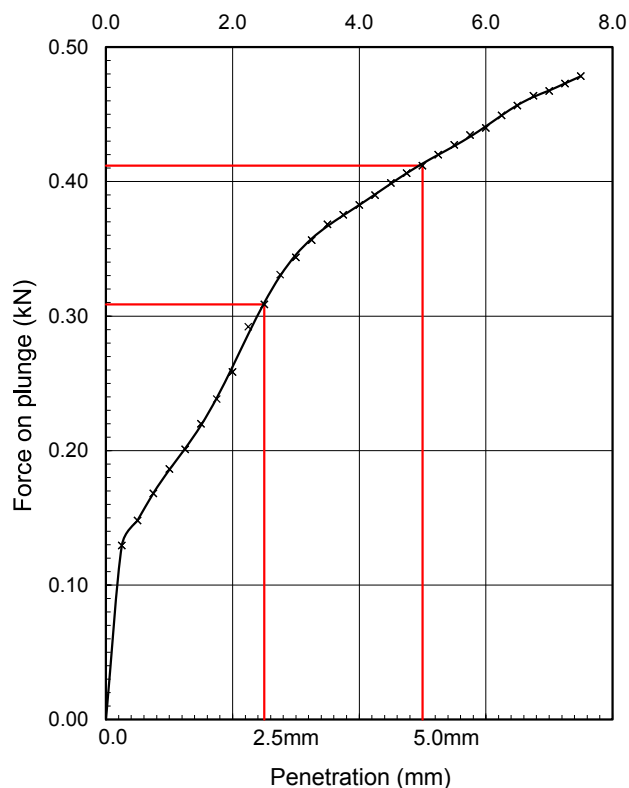
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 32 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.3%

Penetration (mm)



Originator

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08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Dark brown slightly gravelly slightly sandy CLAY. Gravel is fine.

Test Conditions:

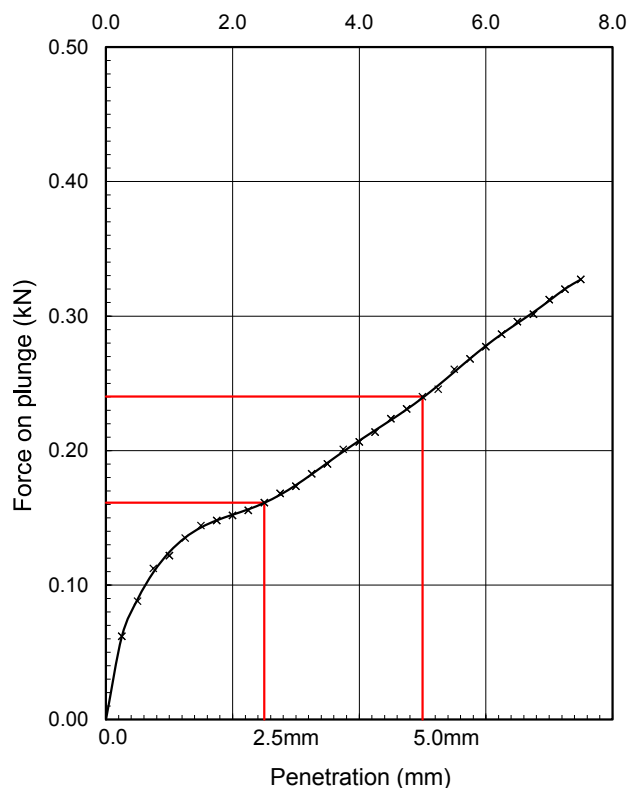
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 36 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 1.2%

Penetration (mm)



Originator

Checked & Approved

HL

08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



| | |
|----------|---|
| Site | BREAKSPEAR ROAD SOUTH, ICKENHAM, NEWYEARS GREEN, UXBRIDGE |
| Client | Johnson Poole & Bloomer Consultants |
| Engineer | Johnson Poole & Bloomer Consultants |

| | |
|-------------|---------------|
| Contract No | C7605 |
| Test No. | Test 7 CBR 17 |
| Date | 05/04/2022 |
| Depth (m) | 0.55 |

Description: Dark olive brown slightly sandy CLAY.

Test Conditions:

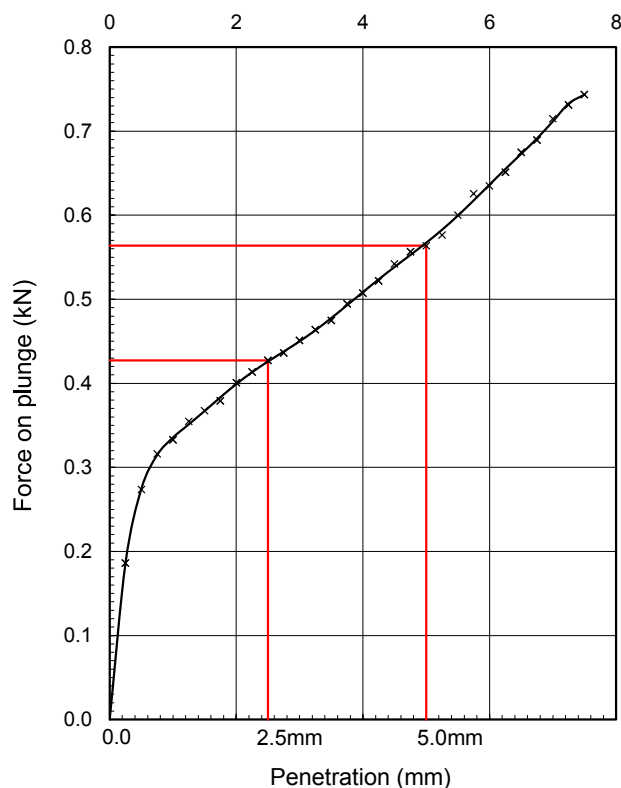
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 22 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 3.2%

Penetration (mm)



Originator

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08/04/2022

IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Description: Brown slightly sandy CLAY.

Test Conditions:

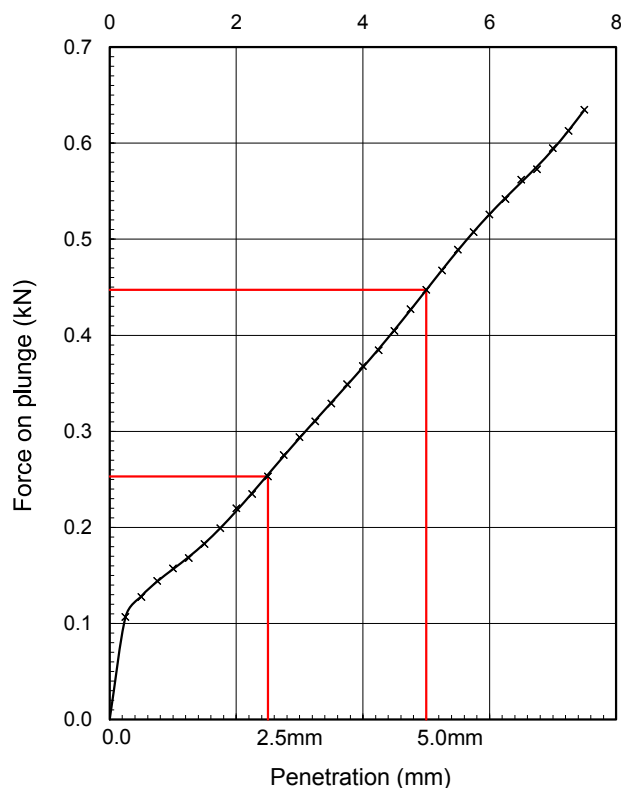
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 24 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 2.2%

Penetration (mm)



Originator

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IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3

Tk

Sheet 1 of 1

Description: Brown slightly sandy CLAY.

Test Conditions:

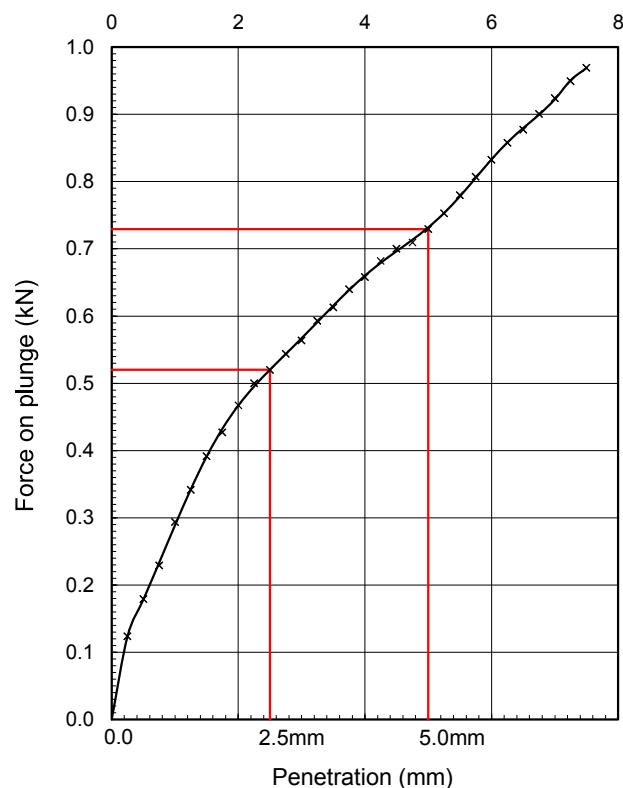
Surcharge 4 kg Equivalent 1 kPa

Moisture content beneath plunger: 26 %

Note: No particles larger than 20mm found beneath the plunger

CBR Value: 3.9%

Penetration (mm)



Originator

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IN-SITU CALIFORNIA BEARING RATIO

BS1377 : Part 9 : 1990 Clause 4.3



Sheet 1 of 1