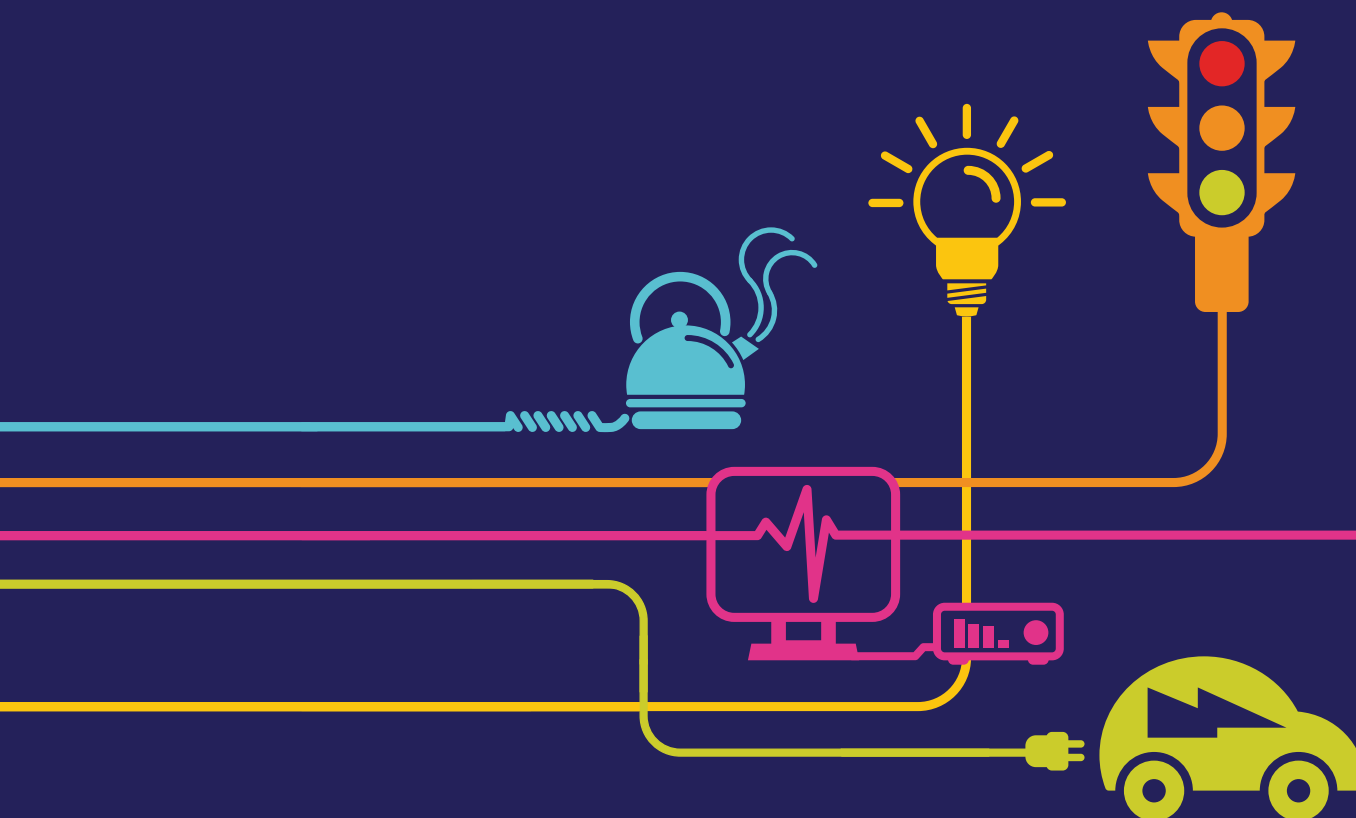


Environmental Statement Ground Environment Appendix 9J Part 3

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009*



Environmental Statement

Hinkley Point C Connection Project

5.9.2 – Ground Environment– Appendices (orange highlight indicates the contents of this Volume)

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Volume 5.9.2.1	
9A	Preliminary Risk Assessment - Section A (Part 1)
Volume 5.9.2.2	
9A	Preliminary Risk Assessment - Section A (Part 2)
Volume 5.9.2.3	
9B	Preliminary Risk Assessment - Section B (Part 1)
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9B	Preliminary Risk Assessment - Section B (Part 2)
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9C	Preliminary Risk Assessment - Section C (Part 1)
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9D	Preliminary Risk Assessment - Section D (Part 1)
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9D	Preliminary Risk Assessment - Section D (Part 2)
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9E	Preliminary Risk Assessment - Section E (Part 1)
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9E	Preliminary Risk Assessment - Section E (Part 2)
Volume 5.9.2.13	
9F	Preliminary Risk Assessment - Section F (Part 1)
Volume 5.9.2.14	
9F	Preliminary Risk Assessment - Section F (Part 2)
Volume 5.9.2.15	
9G	Preliminary Risk Assessment - Section G (Part 1)
Volume 5.9.2.16	
9G	Preliminary Risk Assessment - Section G (Part 2)
Volume 5.9.2.17	
9G	Preliminary Risk Assessment - Section G (Part 3)
Volume 5.9.2.18	
9H	Preliminary Risk Assessment - Section H
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Appendix	Title
9I	Coal Mining Risk Assessment (Part 1)
Volume 5.9.2.20	
9I	Coal Mining Risk Assessment (Part 2)
Volume 5.9.2.21	
9J	Factual Report on Ground Investigation Hinkley to Seabank 400kV Connection (Part 1)
Volume 5.9.2.22	
9J	Factual Report on Ground Investigation Hinkley to Seabank 400kV Connection (Part 2)
Volume 5.9.2.23	
9J	Factual Report on Ground Investigation Hinkley to Seabank 400kV Connection (Part 3)
Volume 5.9.2.24	
9K	Factual Report on Ground Investigation on New Electricity Substation at Sandford, Somerset

Document Control			
Document Properties			
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Author		National Grid	
Approved By		National Grid	
Title		Environmental Statement – Ground Environment - Appendices	
Document Reference		Volume 5.9.2.23	
Date	Version	Status	Description/Changes
09/05/14	A	Live	Final version for DCO submission

Appendix 9J – Factual Report on Ground Investigation Hinkley to Seabank 400kV Connection

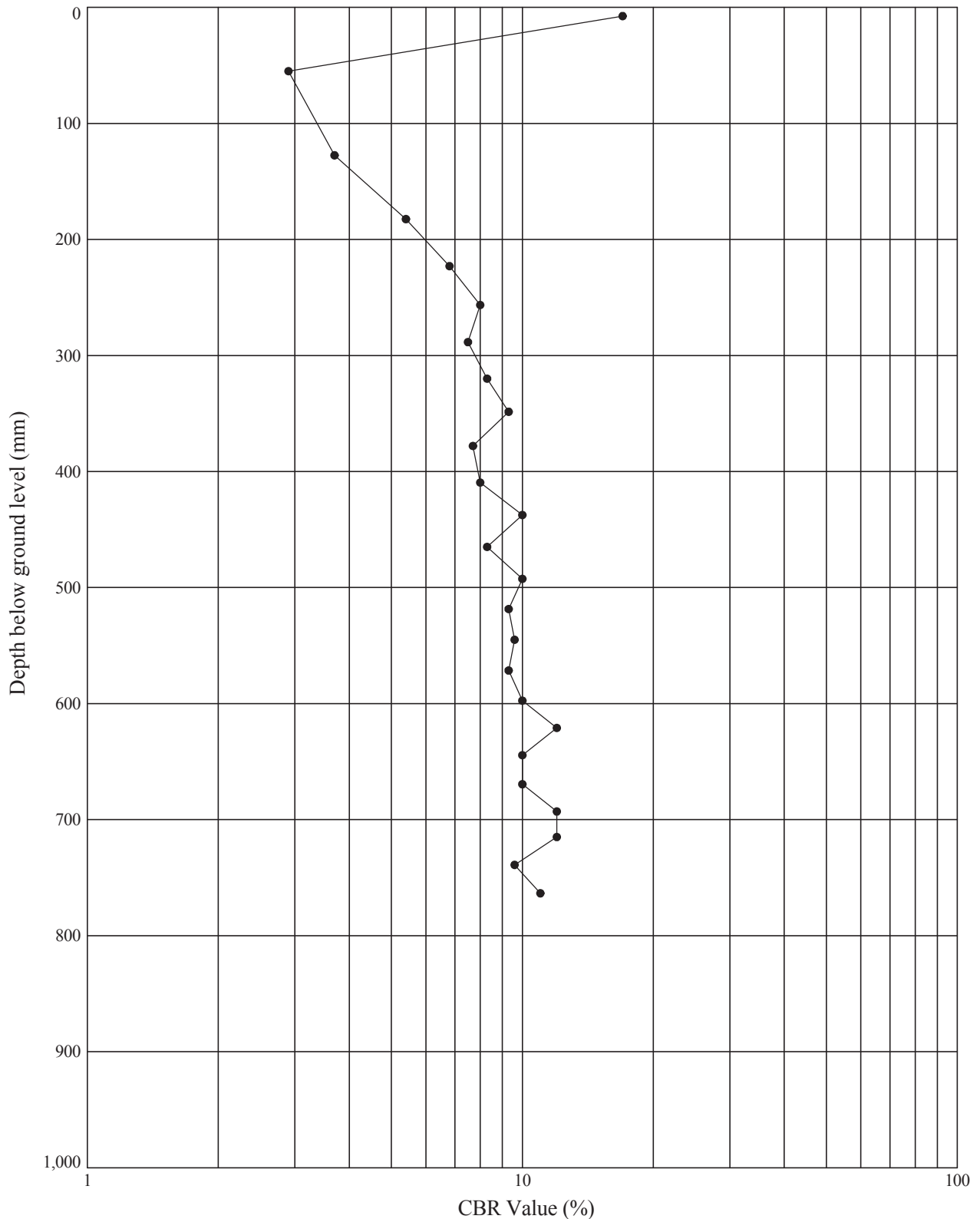
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR1**

Test Date : **15.04.13**

Ground Level (m AOD): **5.72**

National Grid Co-ordinates: **E:332044.7 N:139850.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Bridgwater Tee.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

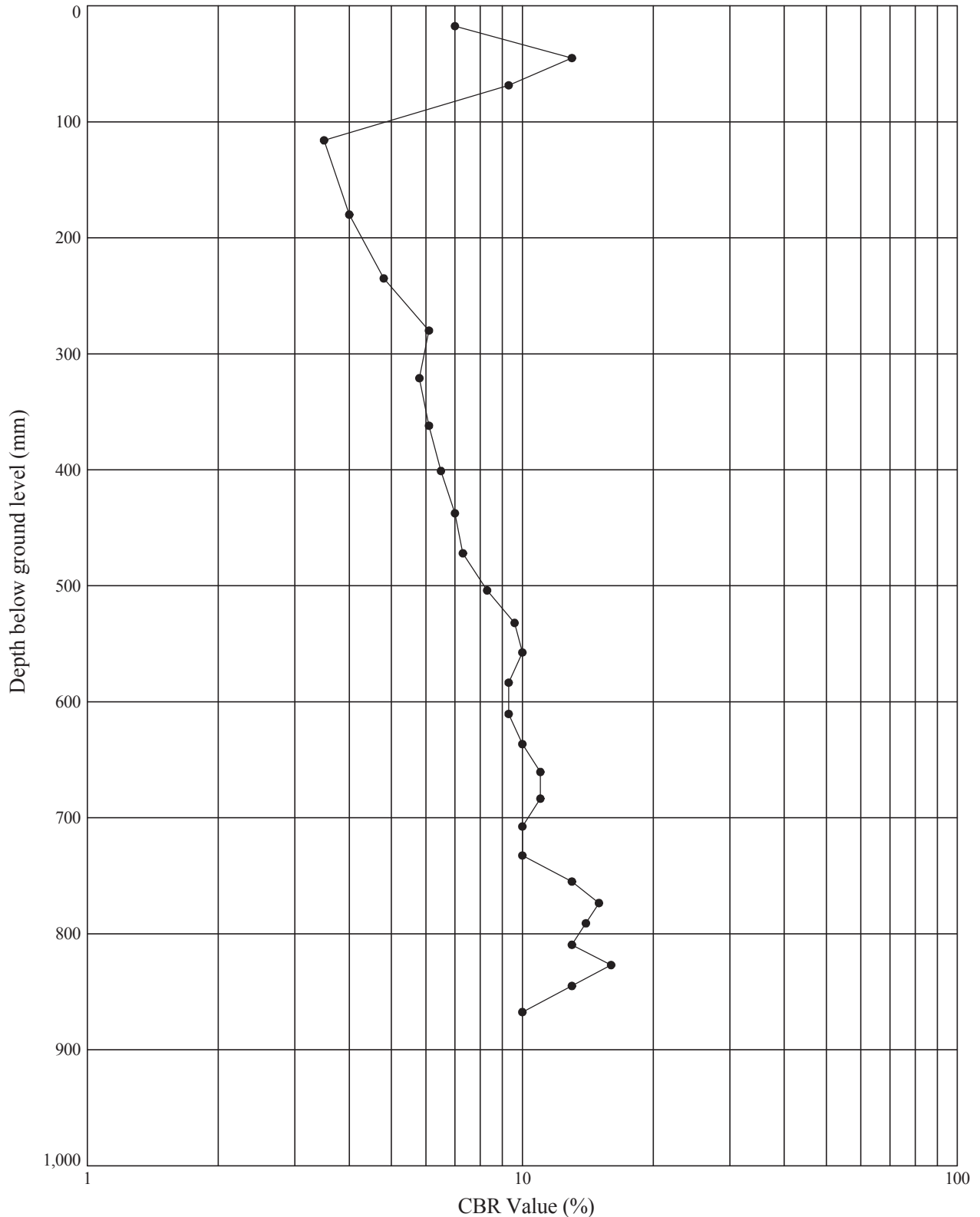
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR2**

Test Date : **15.04.13**

Ground Level (m AOD): **6.39**

National Grid Co-ordinates: **E:332886.1 N:139845.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Bridgwater Tee.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

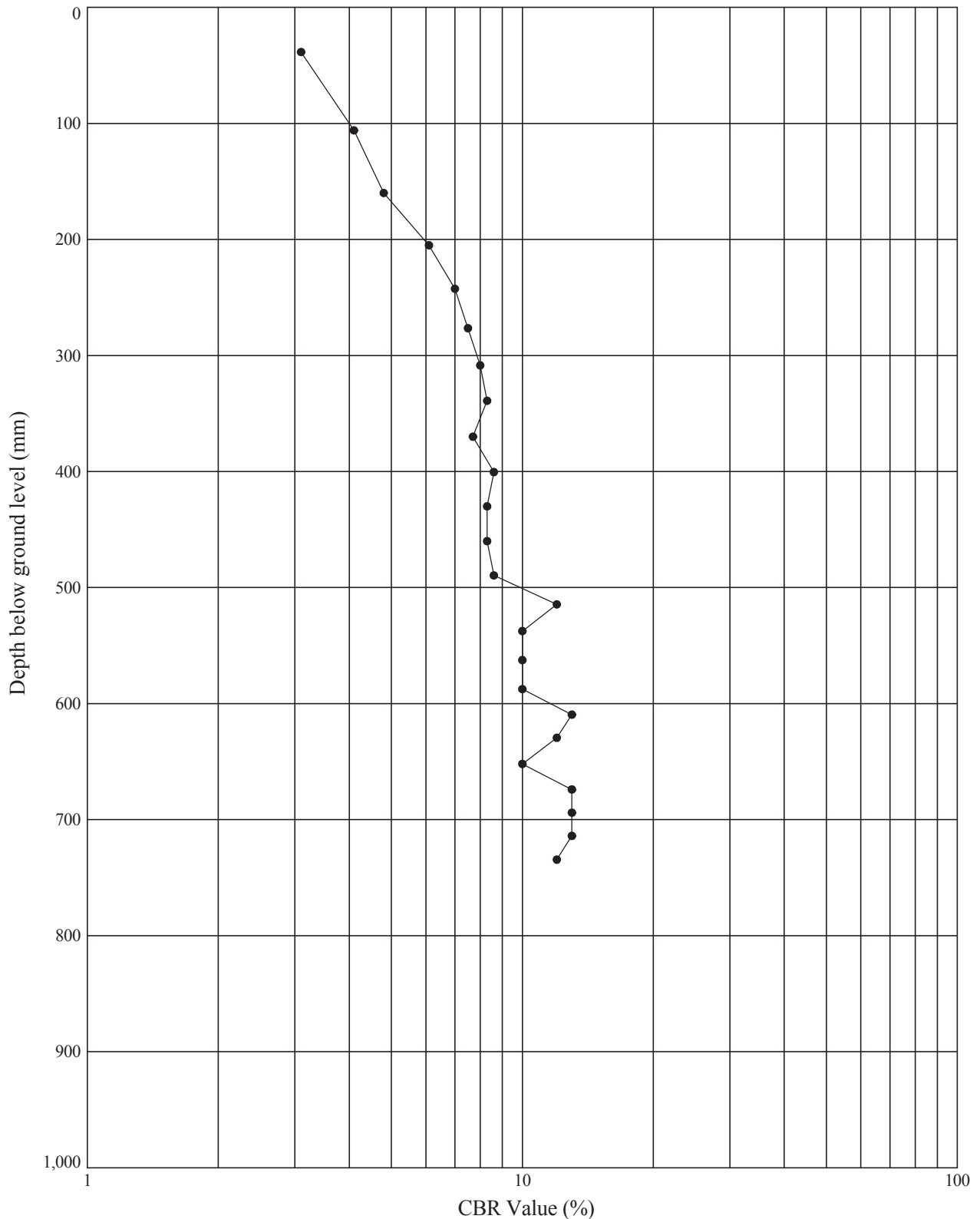
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR3**

Test Date : **15.04.13**

Ground Level (m AOD): **5.83**

National Grid Co-ordinates: **E:332366.4 N:140144.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Bridgwater Tee.



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Contract Ref:

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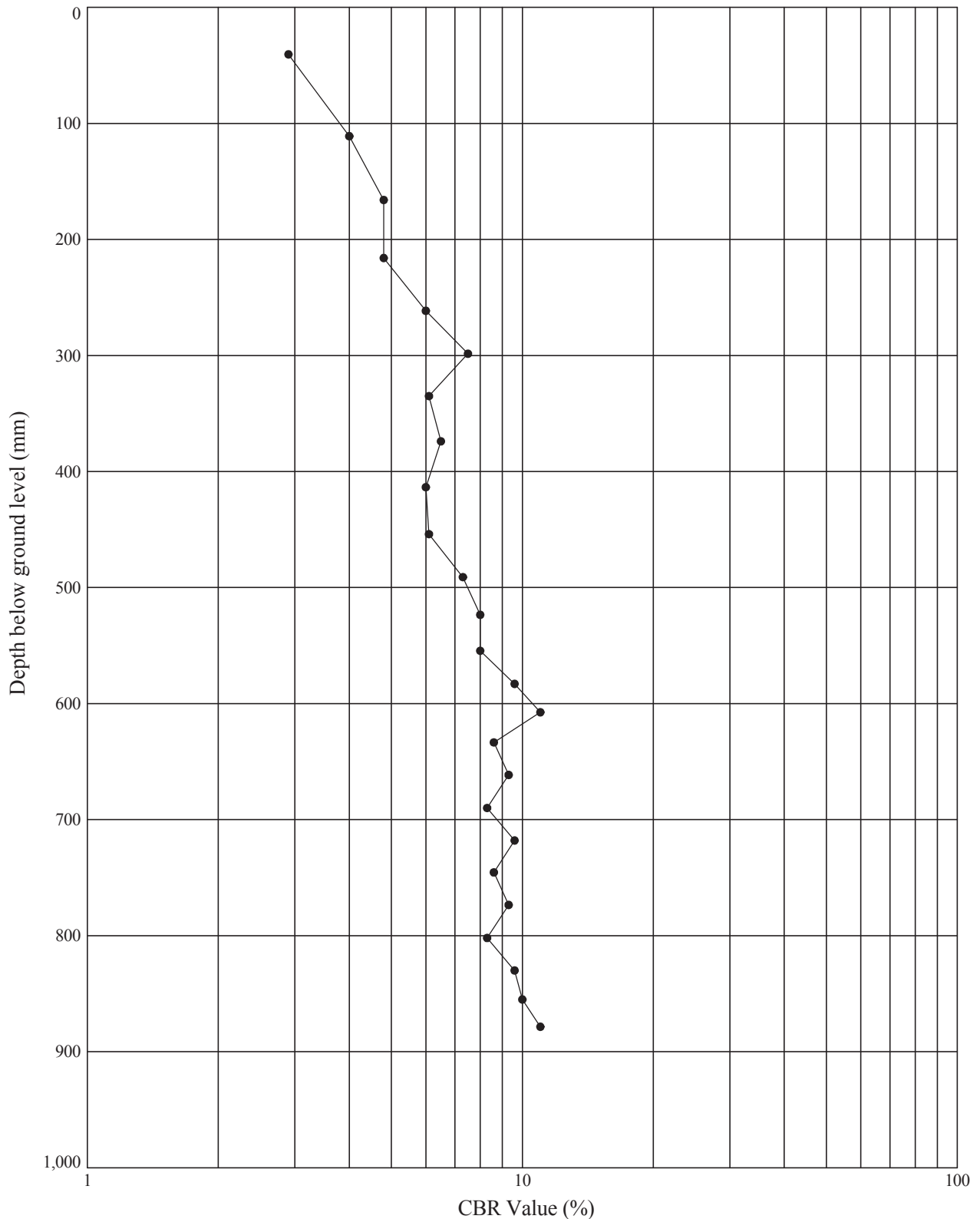
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR4**

Test Date : **15.04.13**

Ground Level (m AOD): **7.19**

National Grid Co-ordinates: **E:332810.5 N:140298.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Puriton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

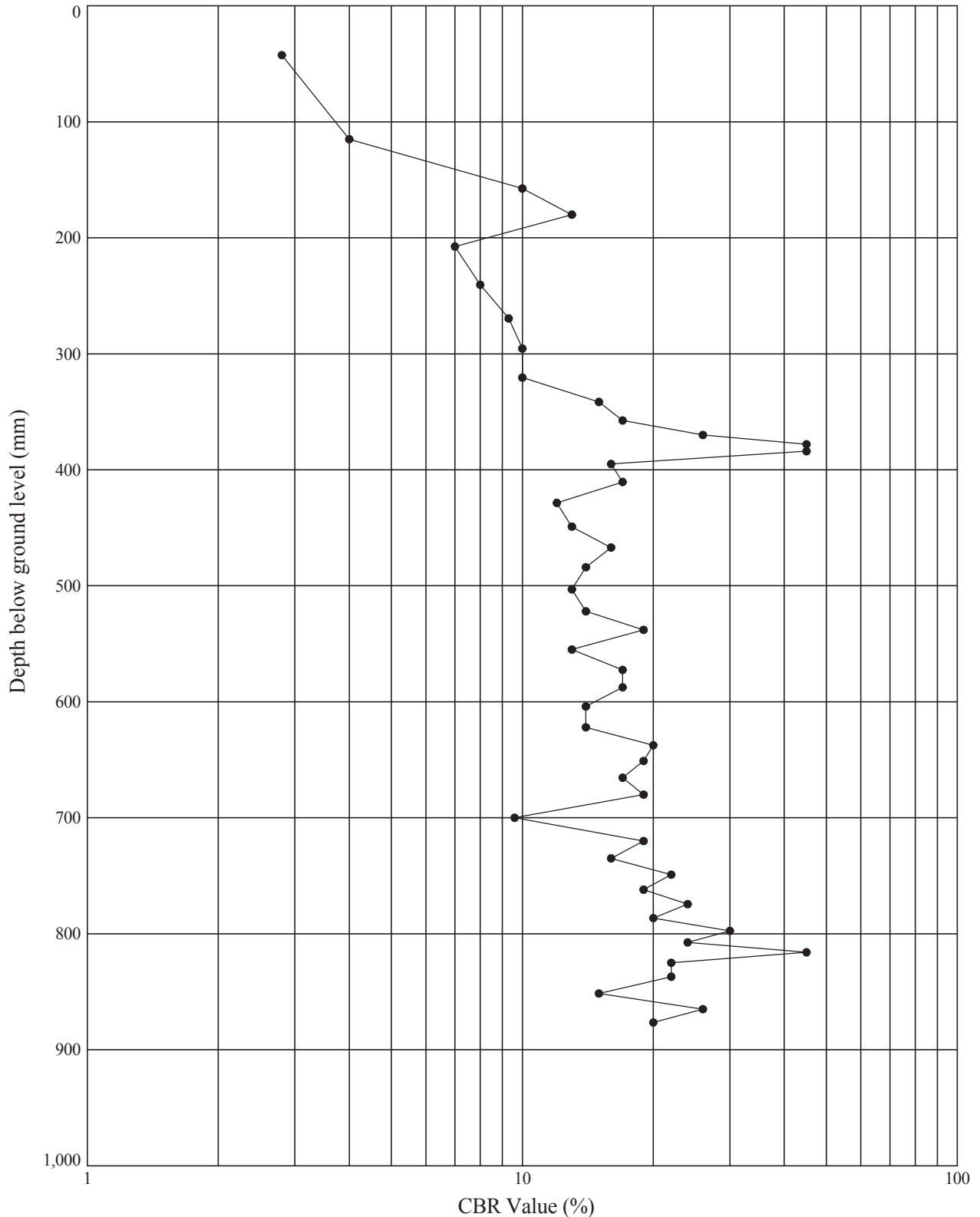
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR5**

Test Date : **15.04.13**

Ground Level (m AOD): **51.78**

National Grid Co-ordinates: **E:332279.9 N:140940.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in grass adjacent to track. Location: Puriton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

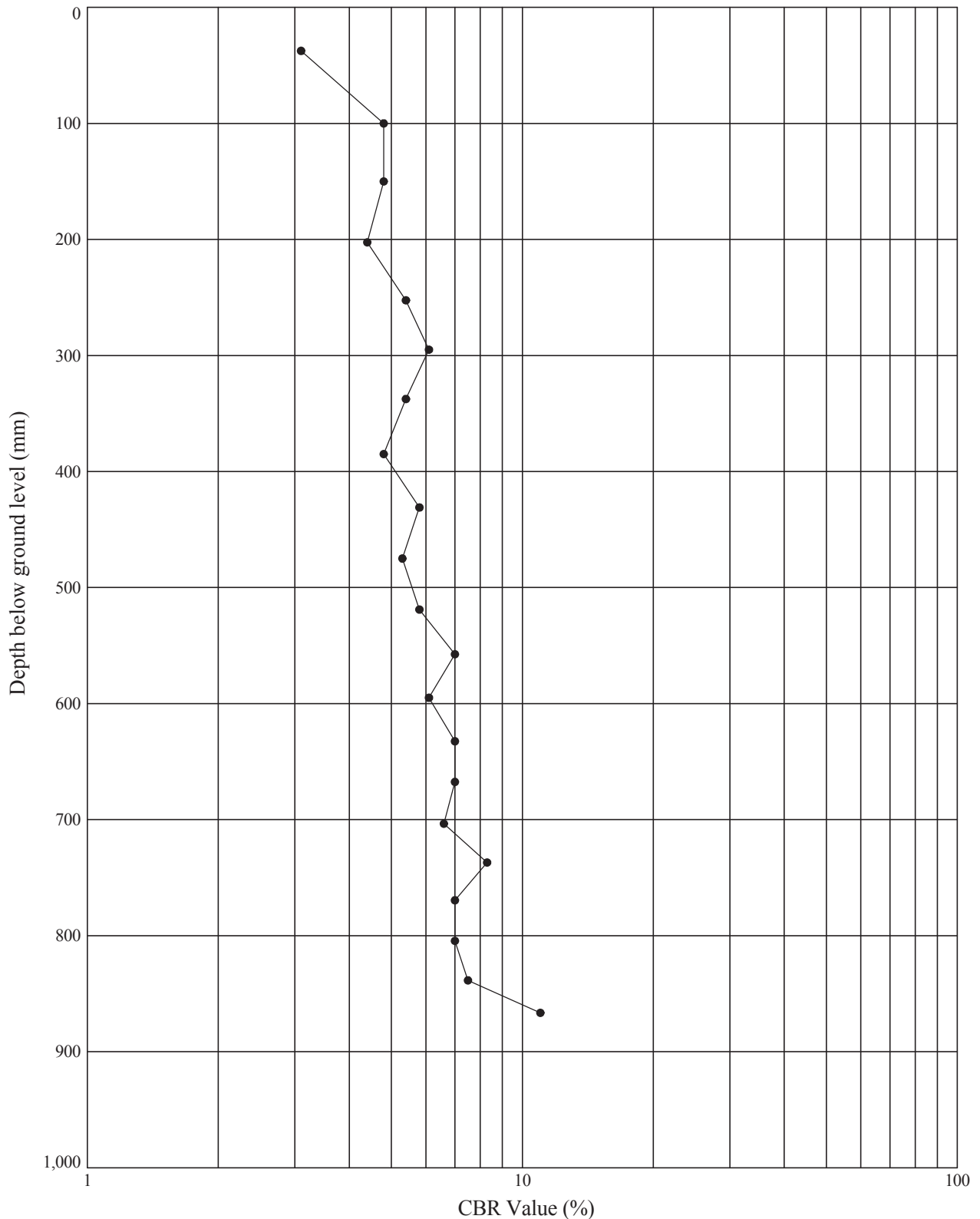
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR6**

Test Date : **15.04.13**

Ground Level (m AOD): **54.26**

National Grid Co-ordinates: **E:332613.9 N:140861.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted at edge of ploughed field. Location: Puriton.



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Contract Ref:

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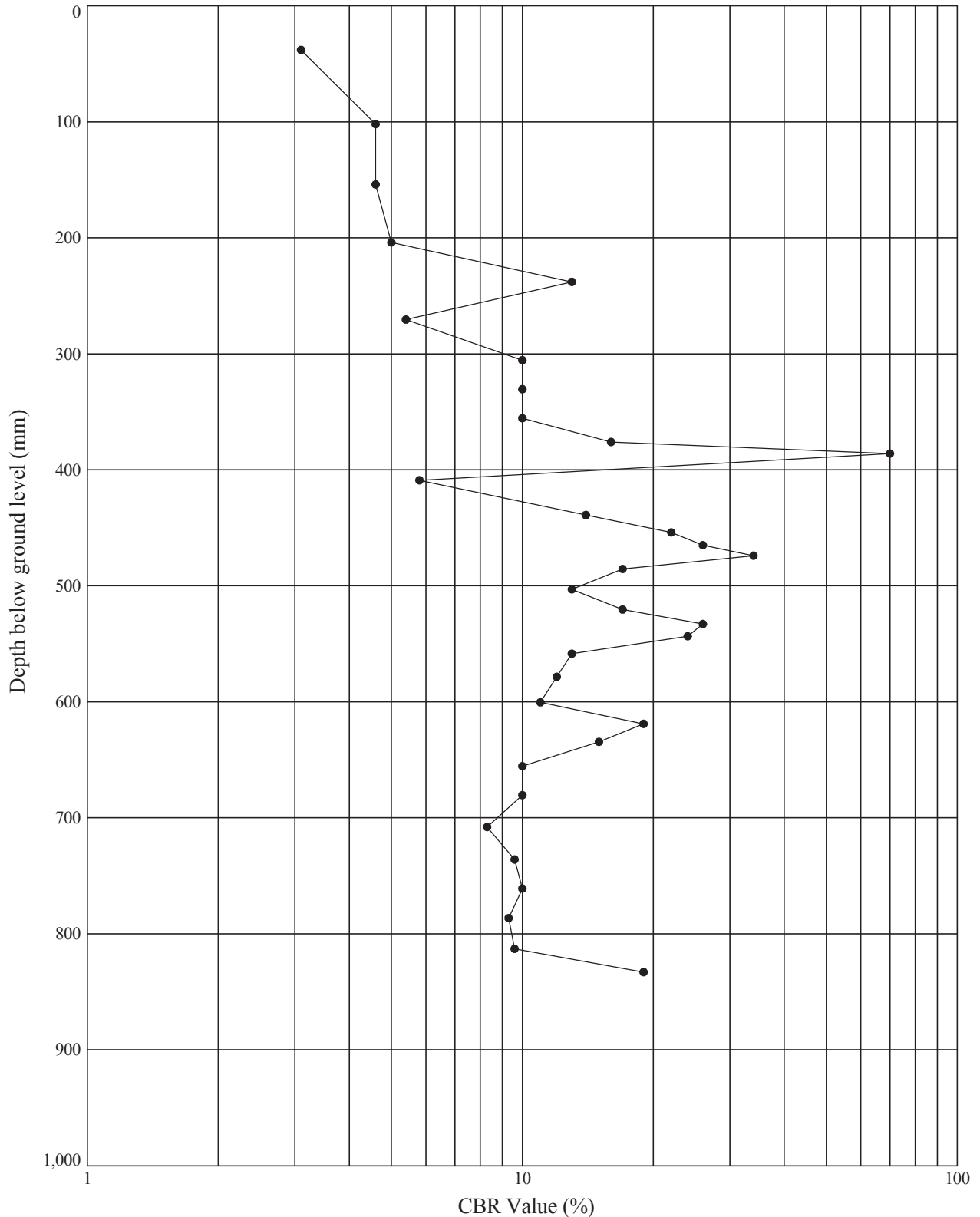
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR7**

Test Date : **15.04.13**

Ground Level (m AOD): **44.46**

National Grid Co-ordinates: **E:332853.0 N:141050.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Puriton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

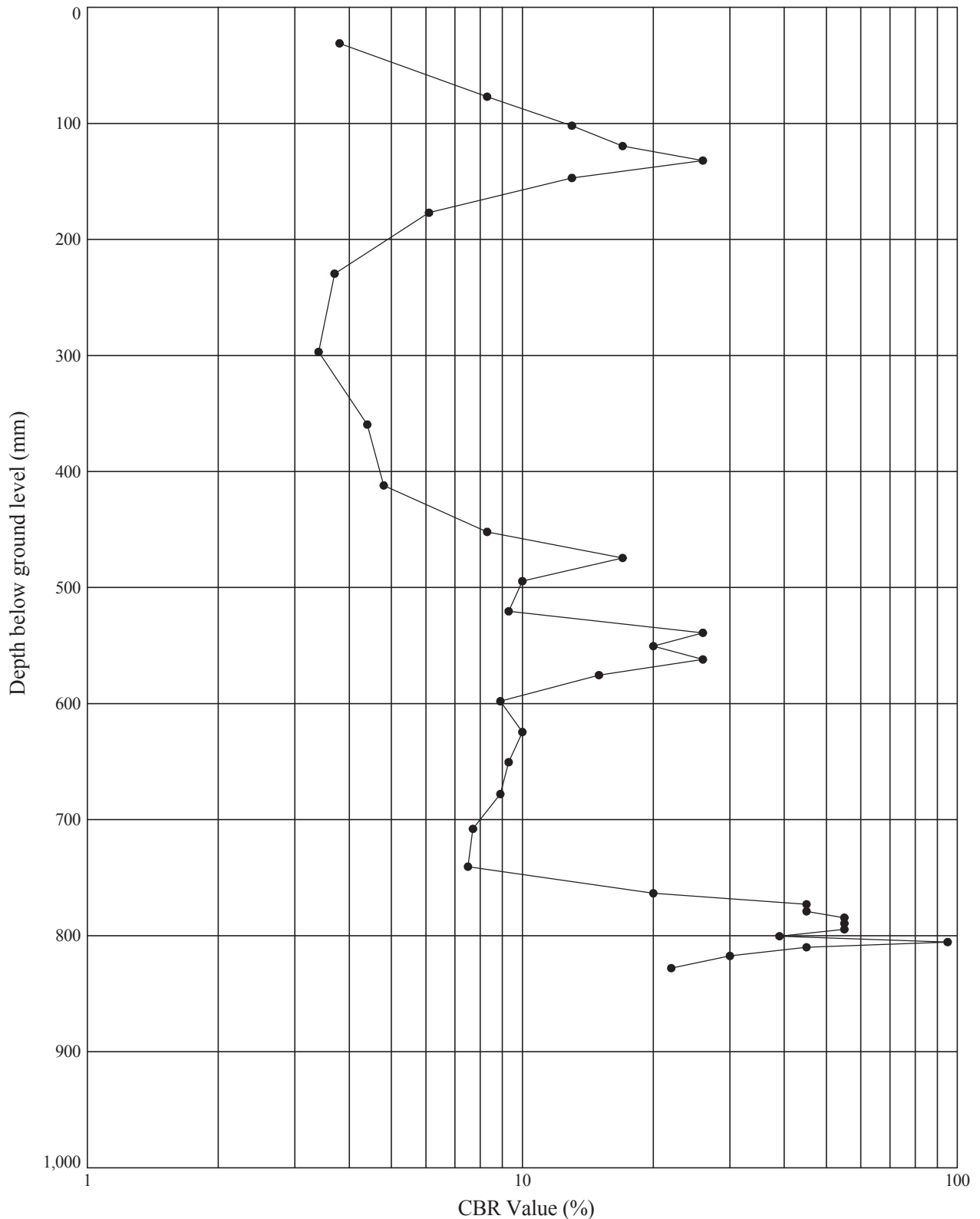
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR8**

Test Date : **15.04.13**

Ground Level (m AOD): **40.76**

National Grid Co-ordinates: **E:333433.9 N:141196.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted within pasture field. Location: Woolavington.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

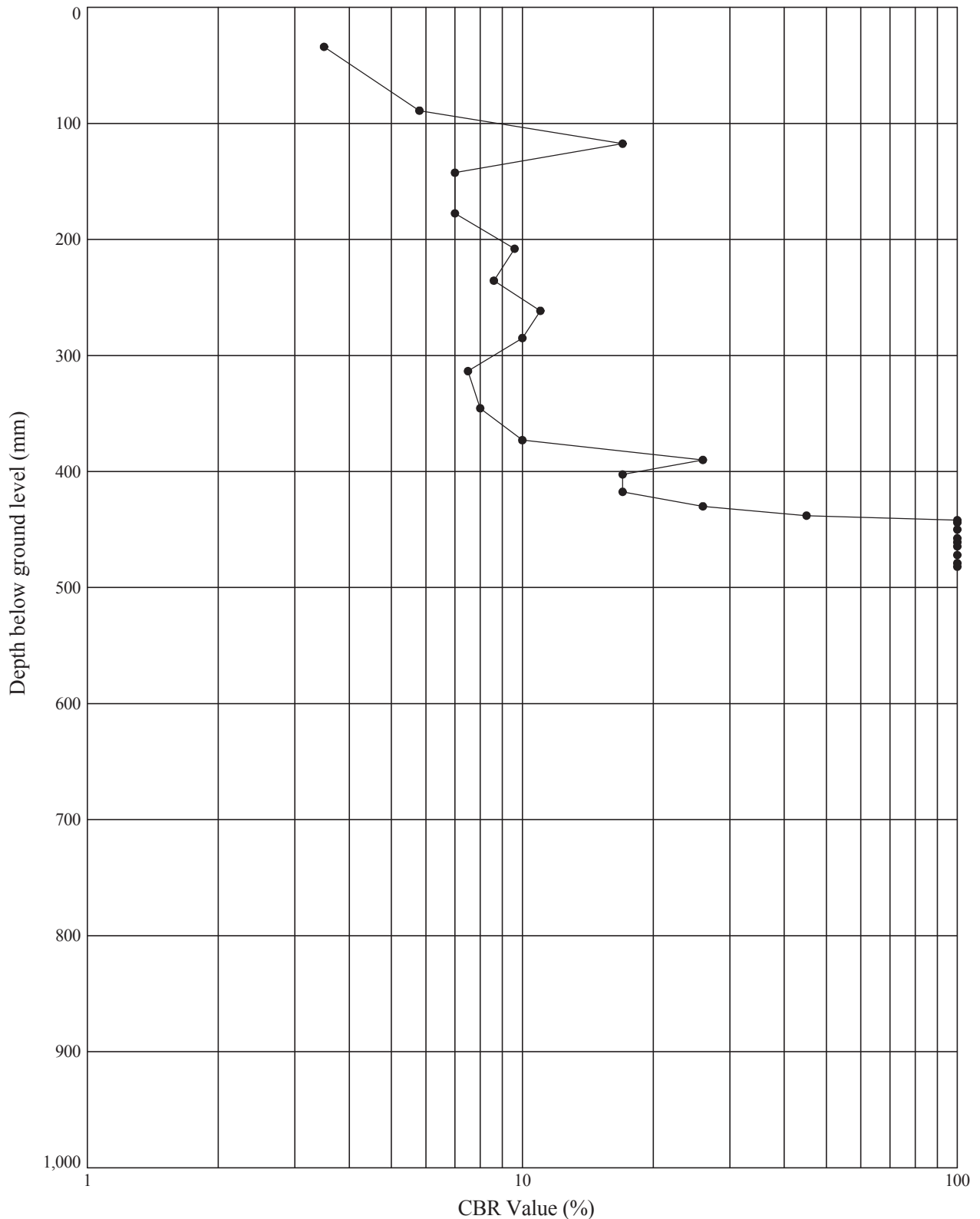
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR9**

Test Date : **15.04.13**

Ground Level (m AOD): **27.65**

National Grid Co-ordinates: **E:333756.7 N:141390.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
 Test conducted in pasture field. Test terminated at 548mm reading as minimal penetration may result in equipment damage.
 Location: Woolavington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

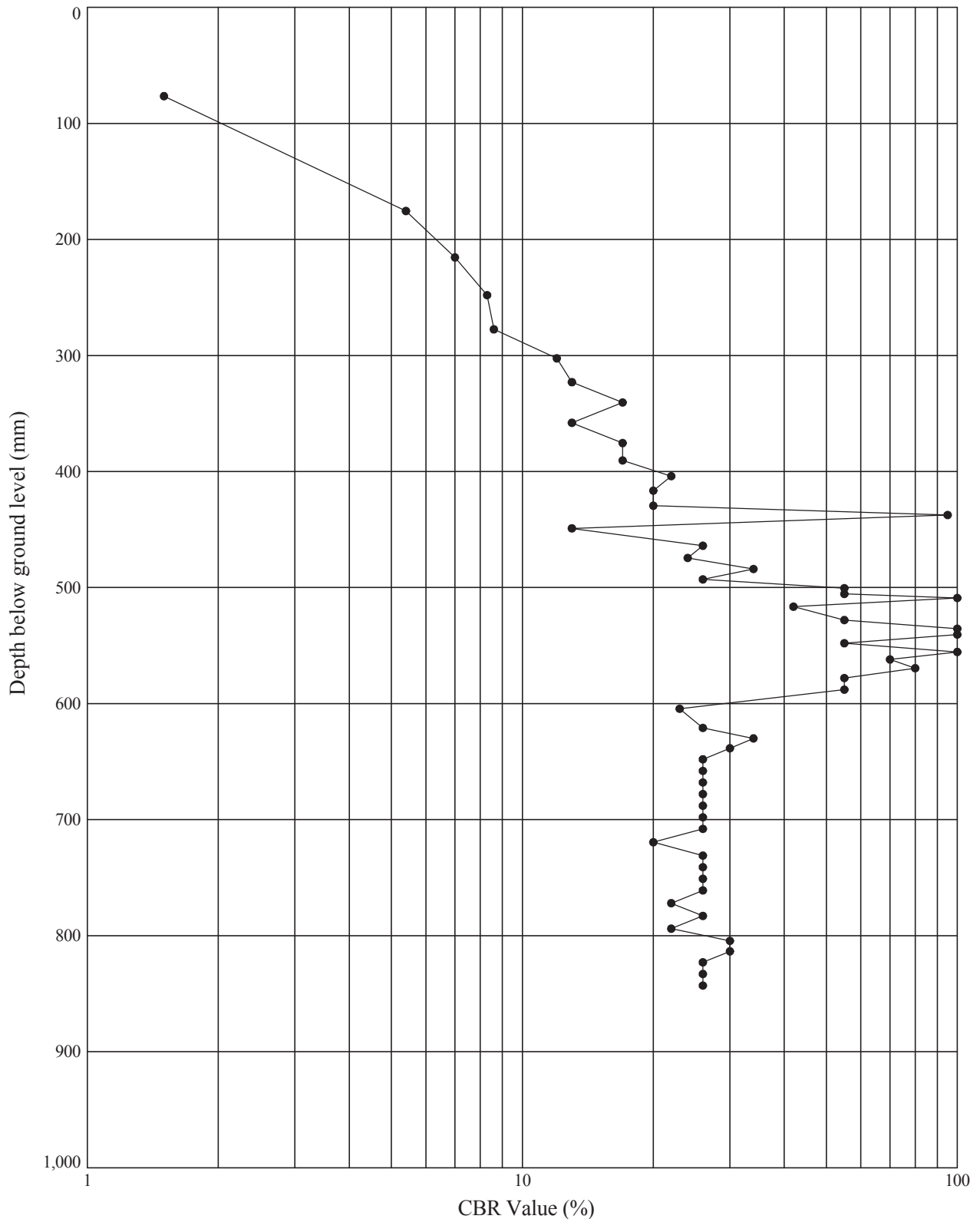
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR10**

Test Date : **15.04.13**

Ground Level (m AOD): **9.17**

National Grid Co-ordinates: **E:333995.5 N:141799.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Woolavington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

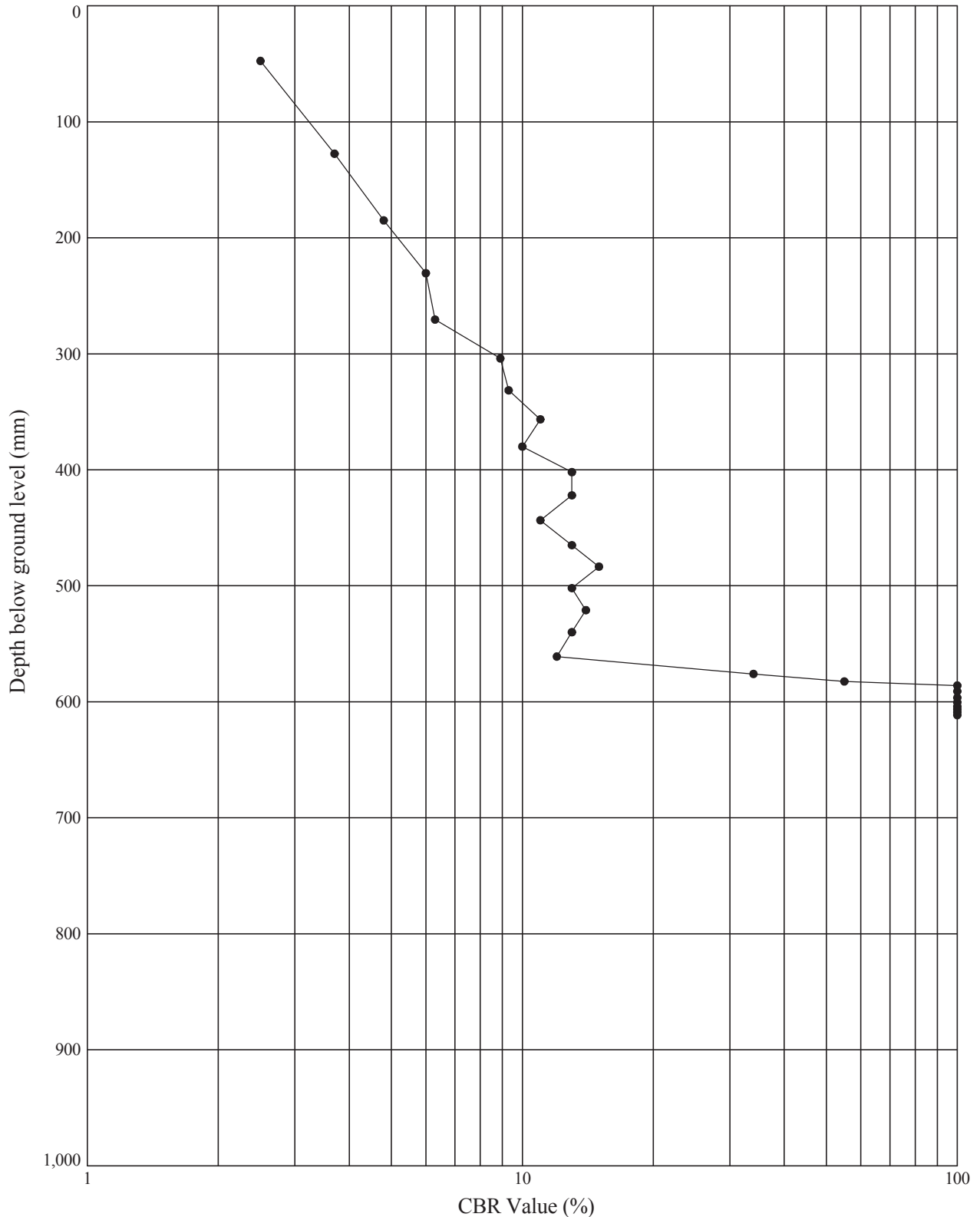
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR11**

Test Date : **15.04.13**

Ground Level (m AOD): **6.48**

National Grid Co-ordinates: **E:334122.3 N:142169.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Test terminated at 83mm reading as minimal penetration may result in damage to equipment.
Location: Woolavington.



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Connection**

Contract Ref:

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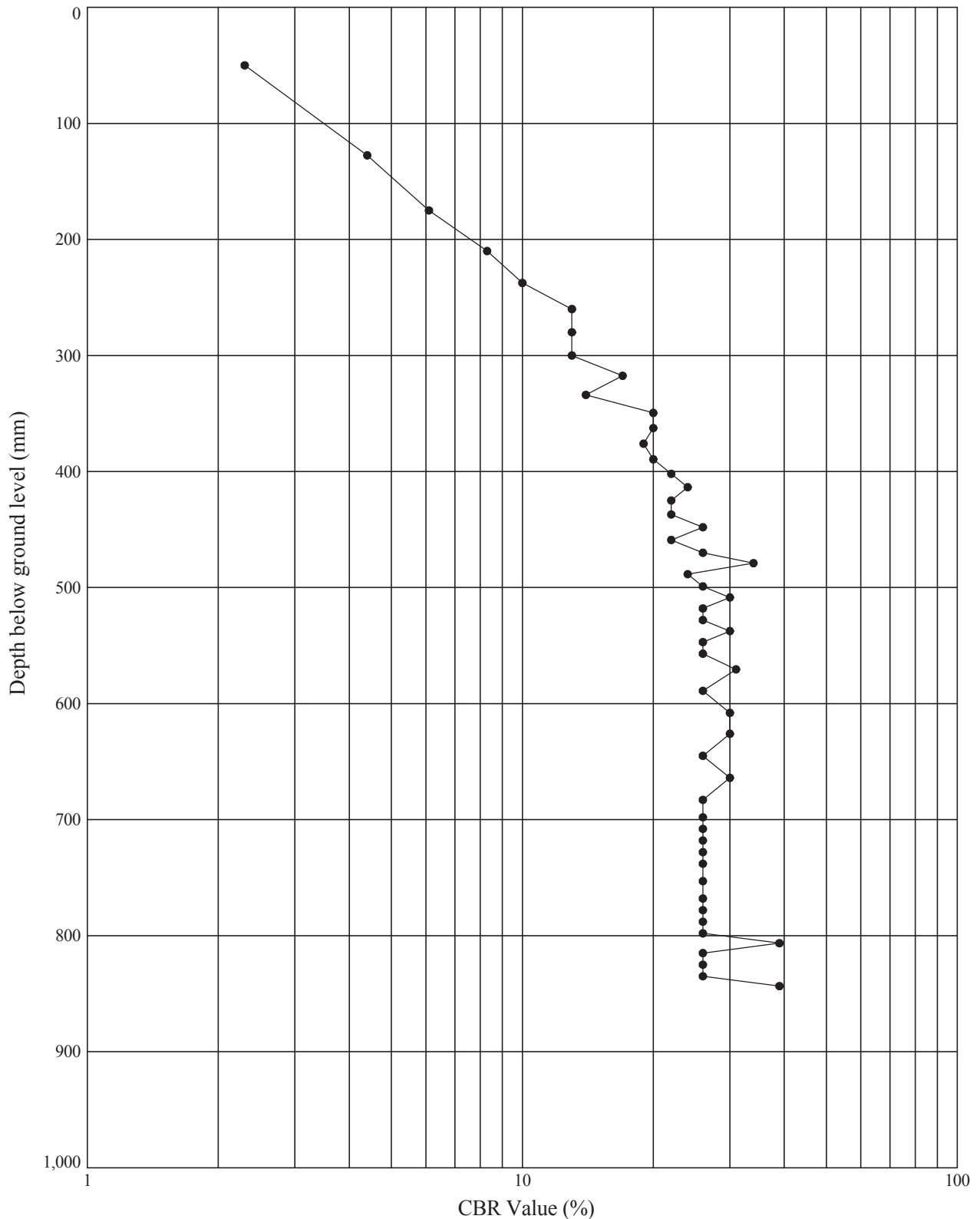
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR12**

Test Date : **15.04.13**

Ground Level (m AOD): **4.93**

National Grid Co-ordinates: **E:334478.1 N:142249.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Woolavington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

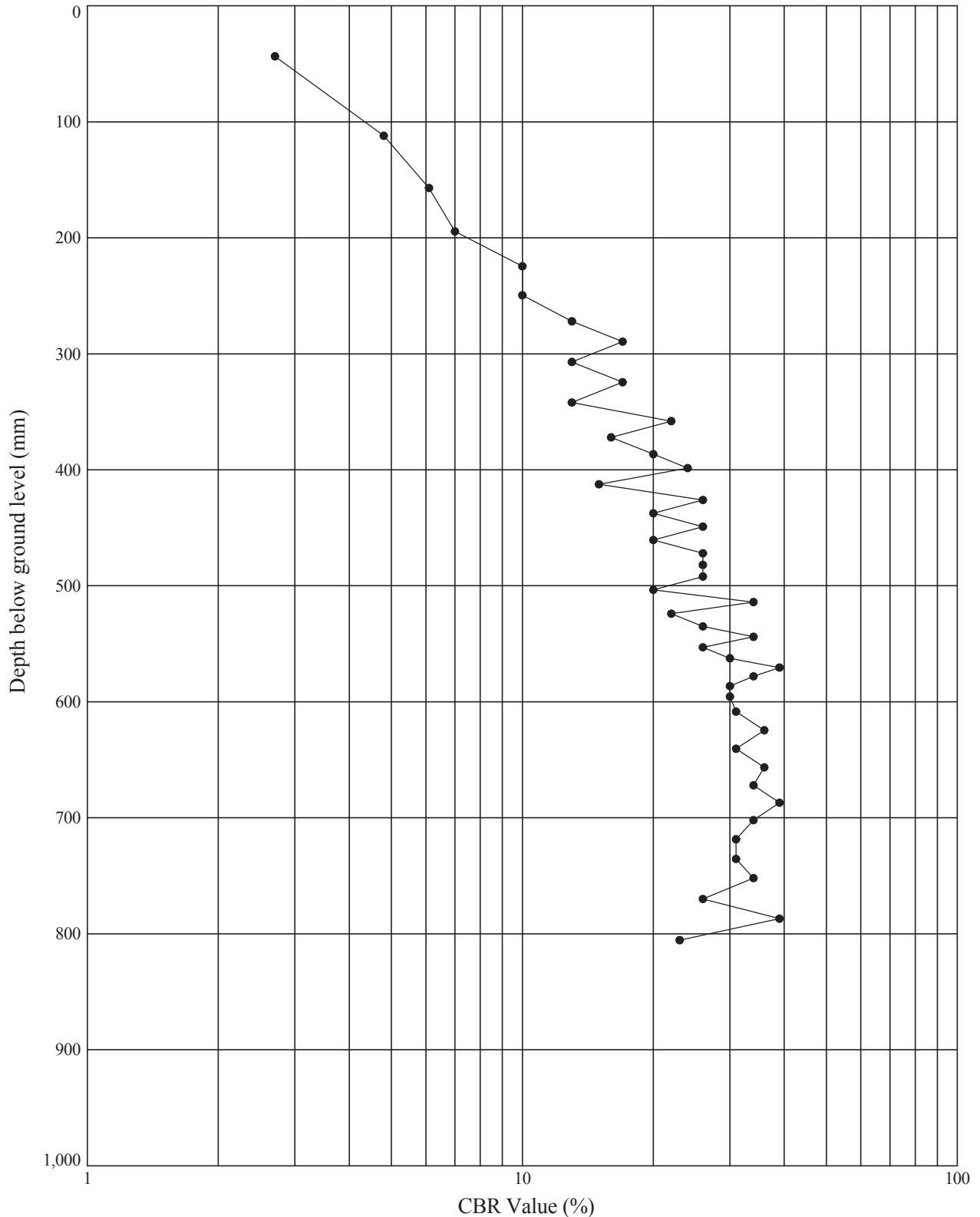
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR13**

Test Date : **16.04.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:334689.7 N:143083.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Woolavington.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

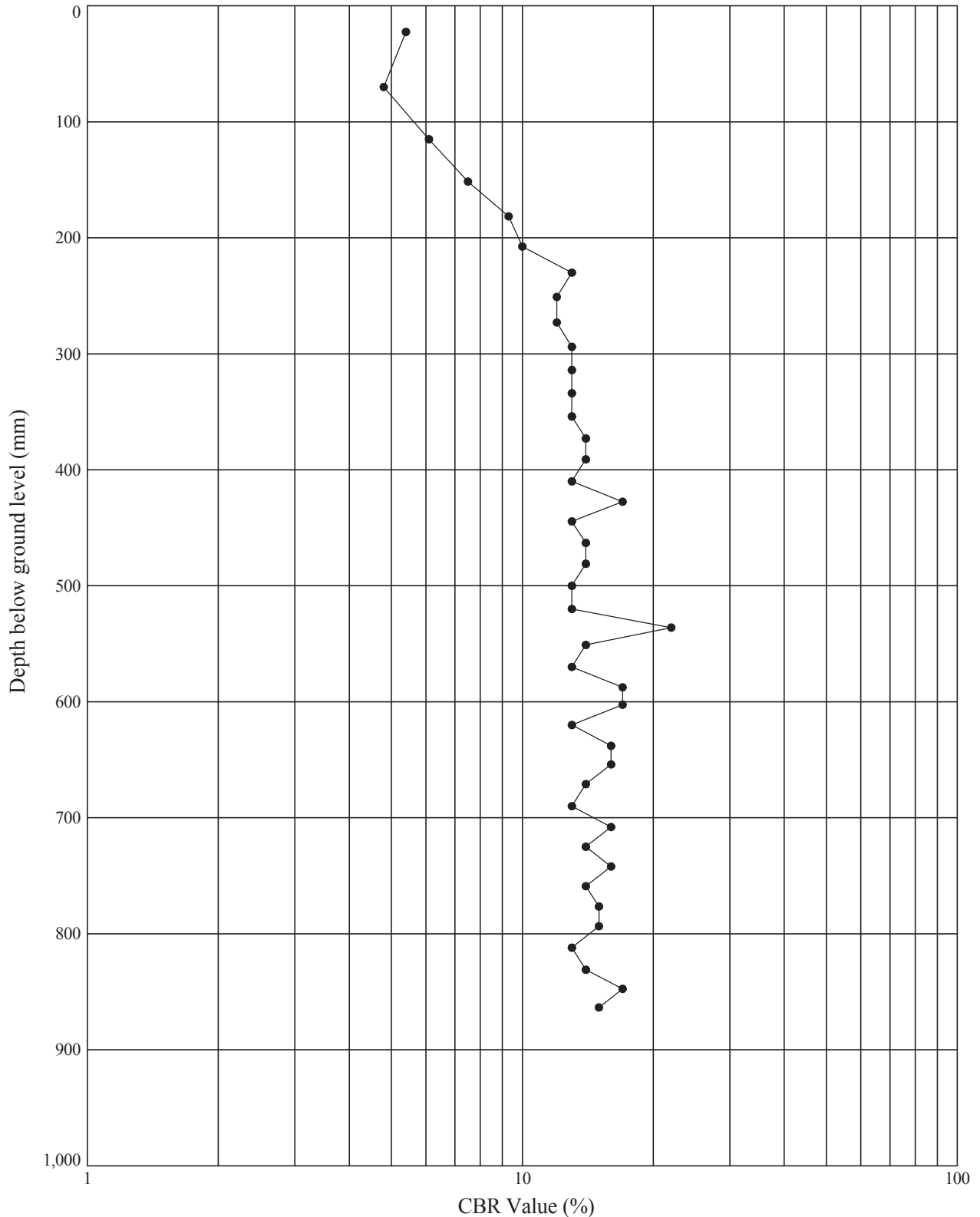
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR14**

Test Date : **16.04.13**

Ground Level (m AOD): **5.00**

National Grid Co-ordinates: **E:334100.9 N:143057.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Woolavington.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

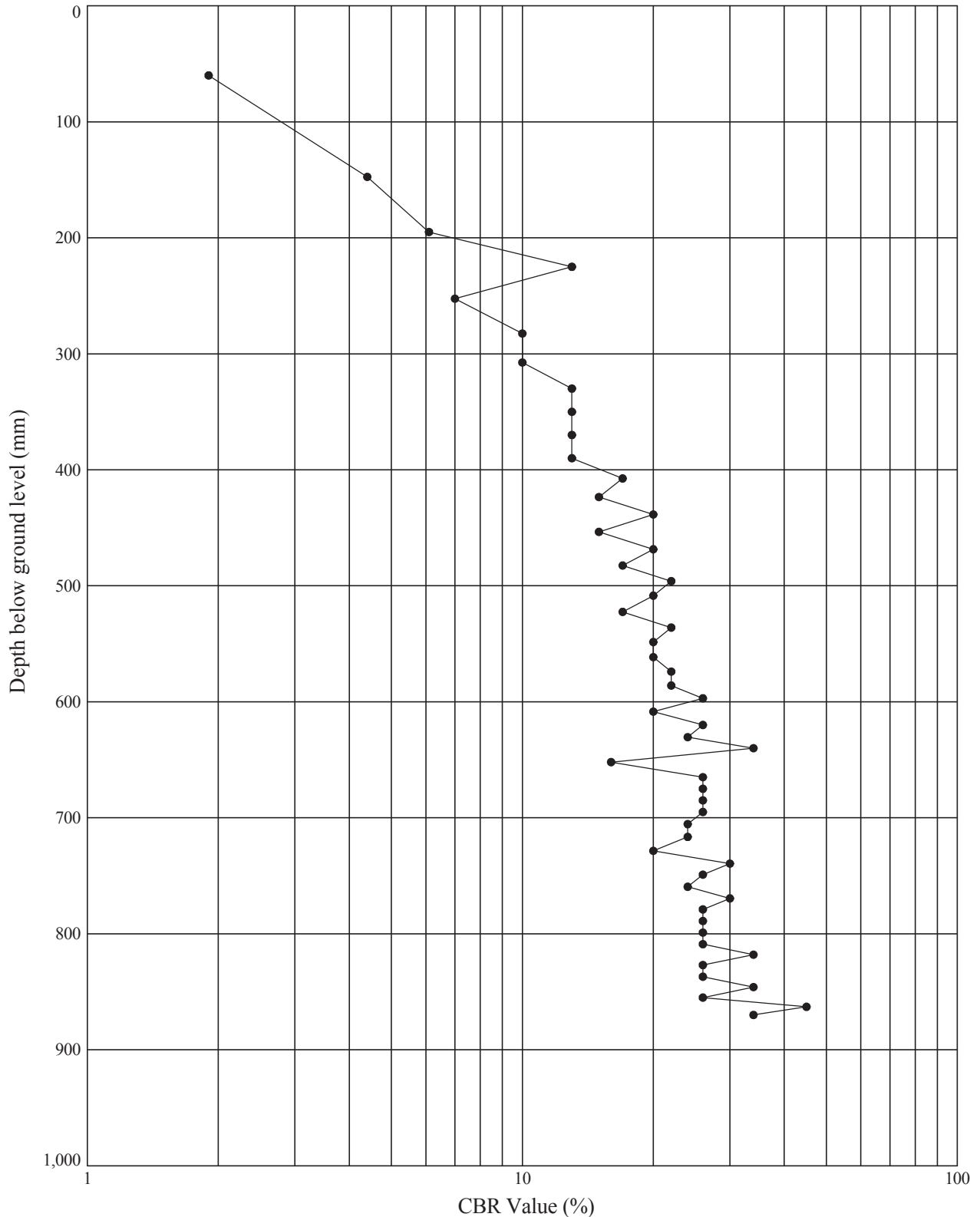
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR15**

Test Date : **16.04.13**

Ground Level (m AOD): **4.76**

National Grid Co-ordinates: **E:334378.0 N:143427.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Woolavington.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

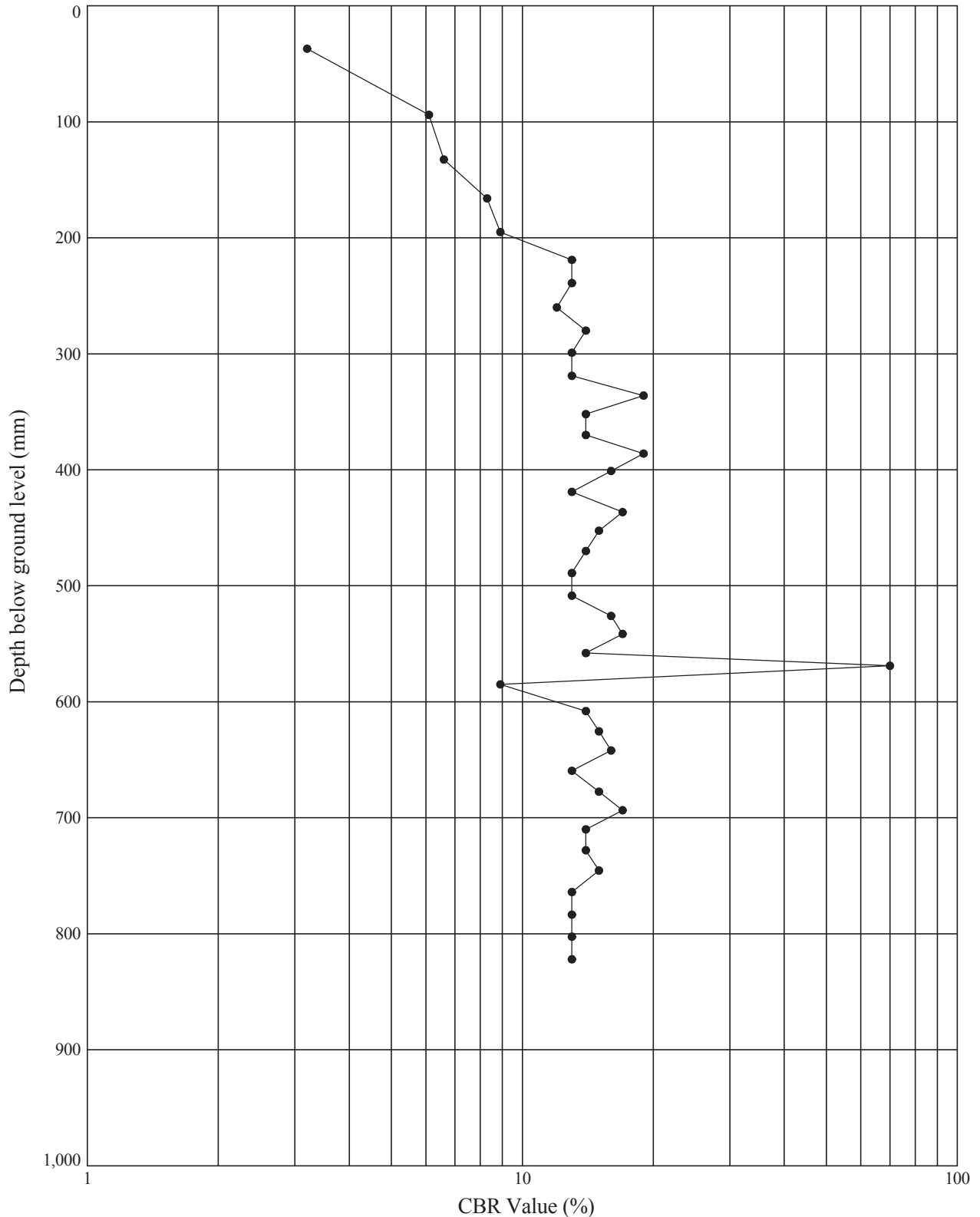
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR16**

Test Date : **16.04.13**

Ground Level (m AOD): **4.92**

National Grid Co-ordinates: **E:334652.1 N:143993.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

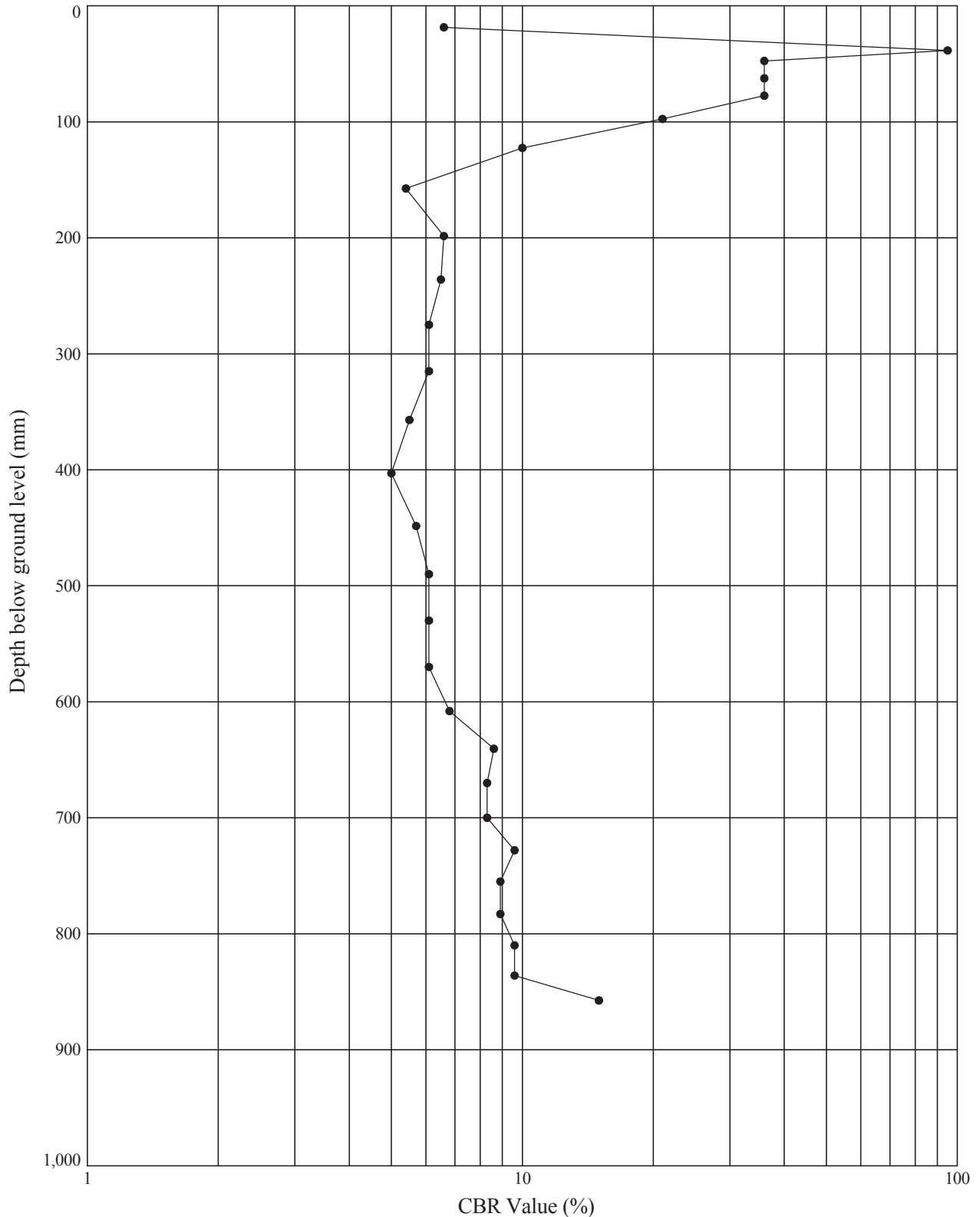
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR17**

Test Date : **16.04.13**

Ground Level (m AOD): **5.25**

National Grid Co-ordinates: **E:335087.0 N:143978.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted at edge of stubble field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

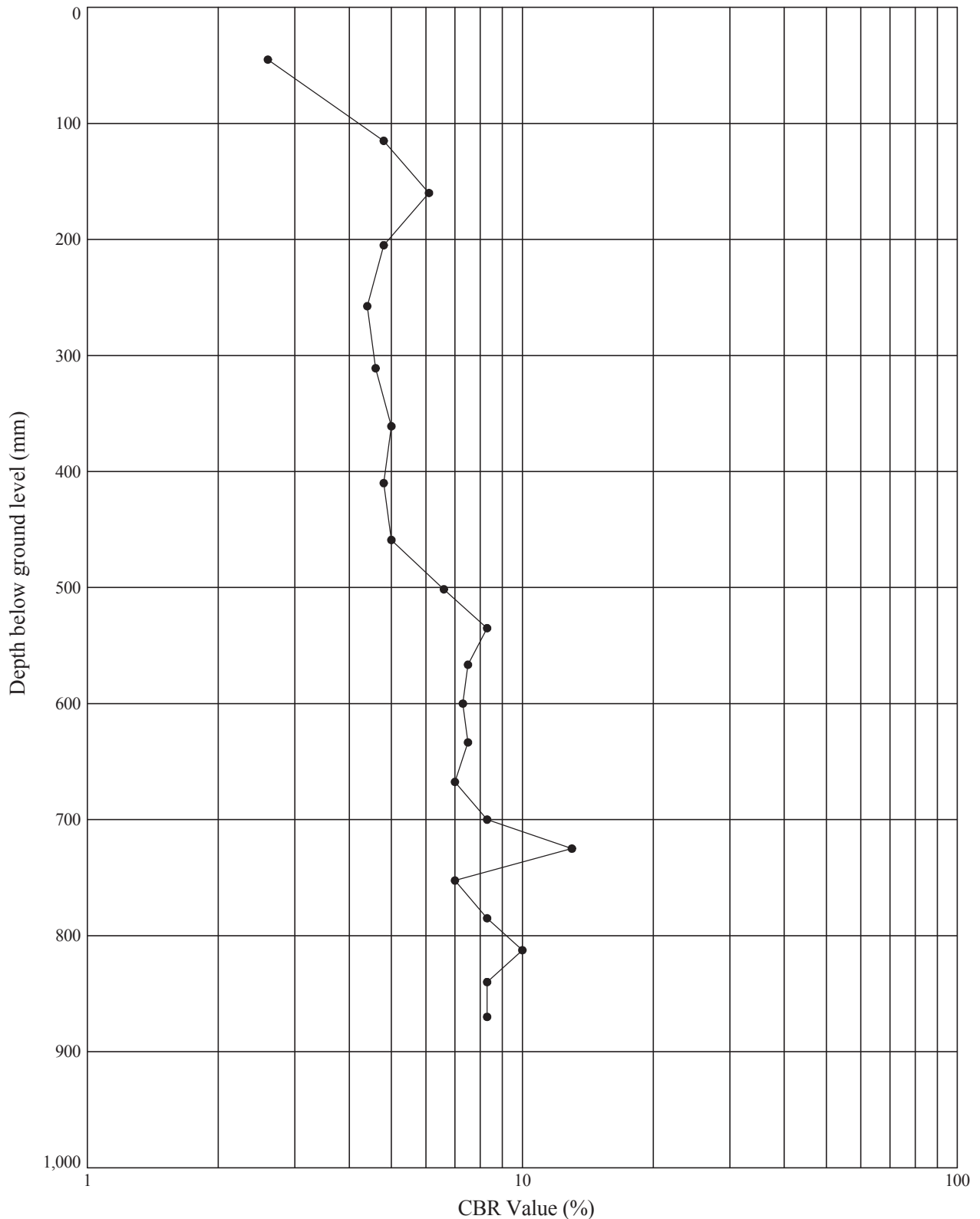
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR18**

Test Date : **16.04.13**

Ground Level (m AOD): **4.93**

National Grid Co-ordinates: **E:335349.9 N:144181.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

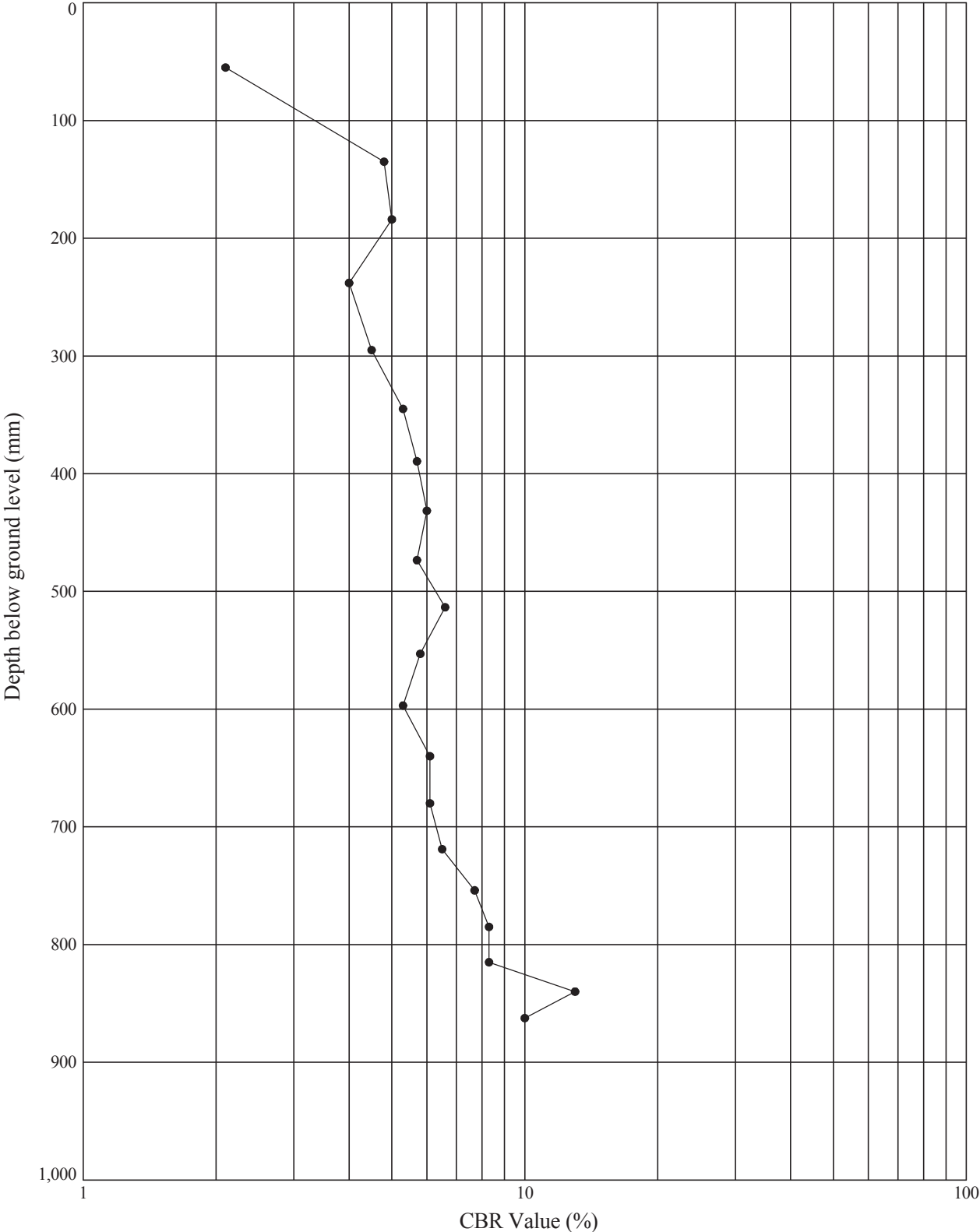
DCP TEST RESULTS - DEPTH vs CBR VALUE

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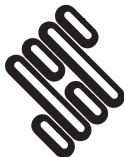
Test Date : **16.04.13**

Ground Level (m AOD): **4.97**

National Grid Co-ordinates: **E:335562.2 N:144501.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[Redacted]	17/10/13	[Redacted]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

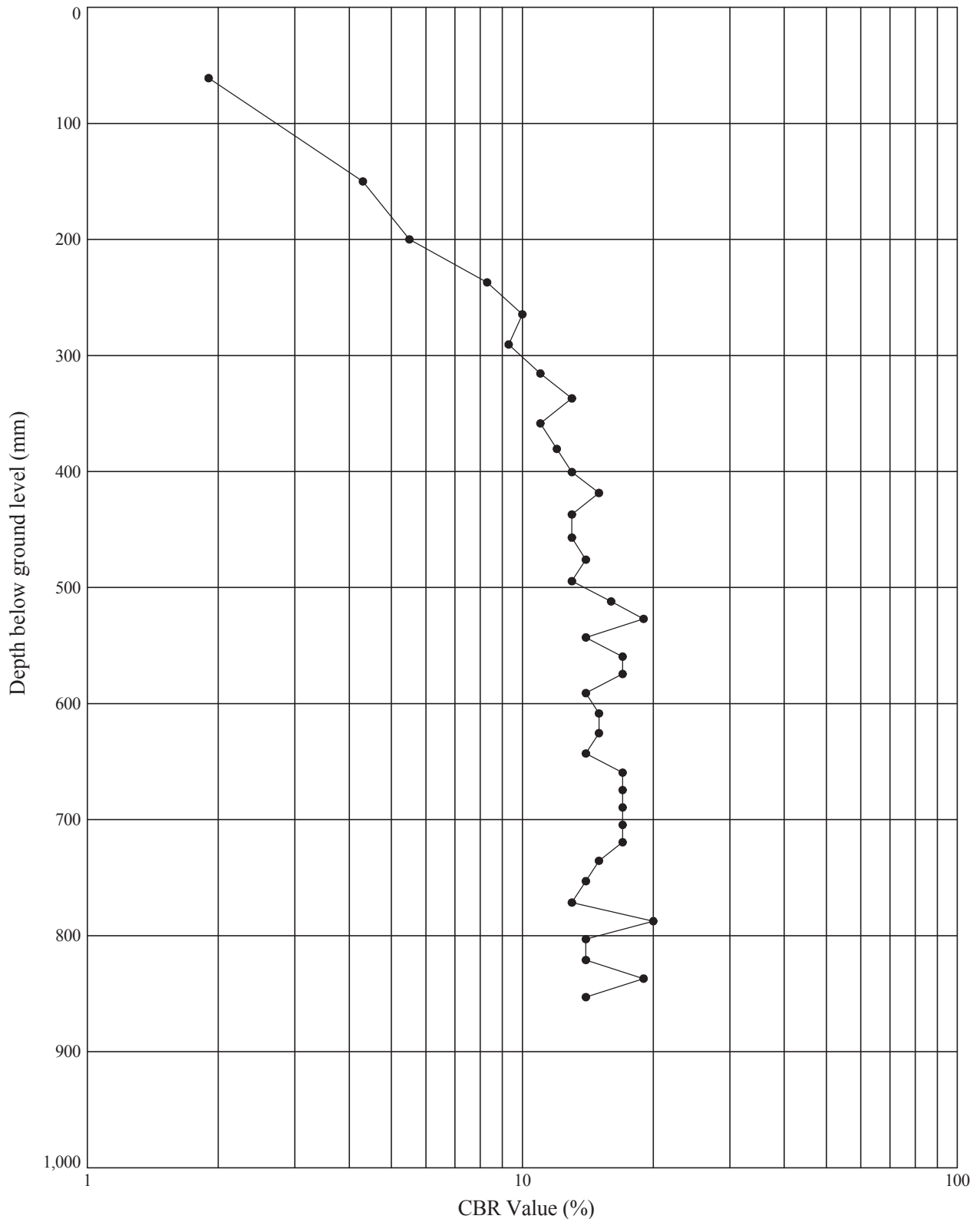
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR20**

Test Date : **16.04.13**

Ground Level (m AOD): **4.81**

National Grid Co-ordinates: **E:335809.4 N:145085.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

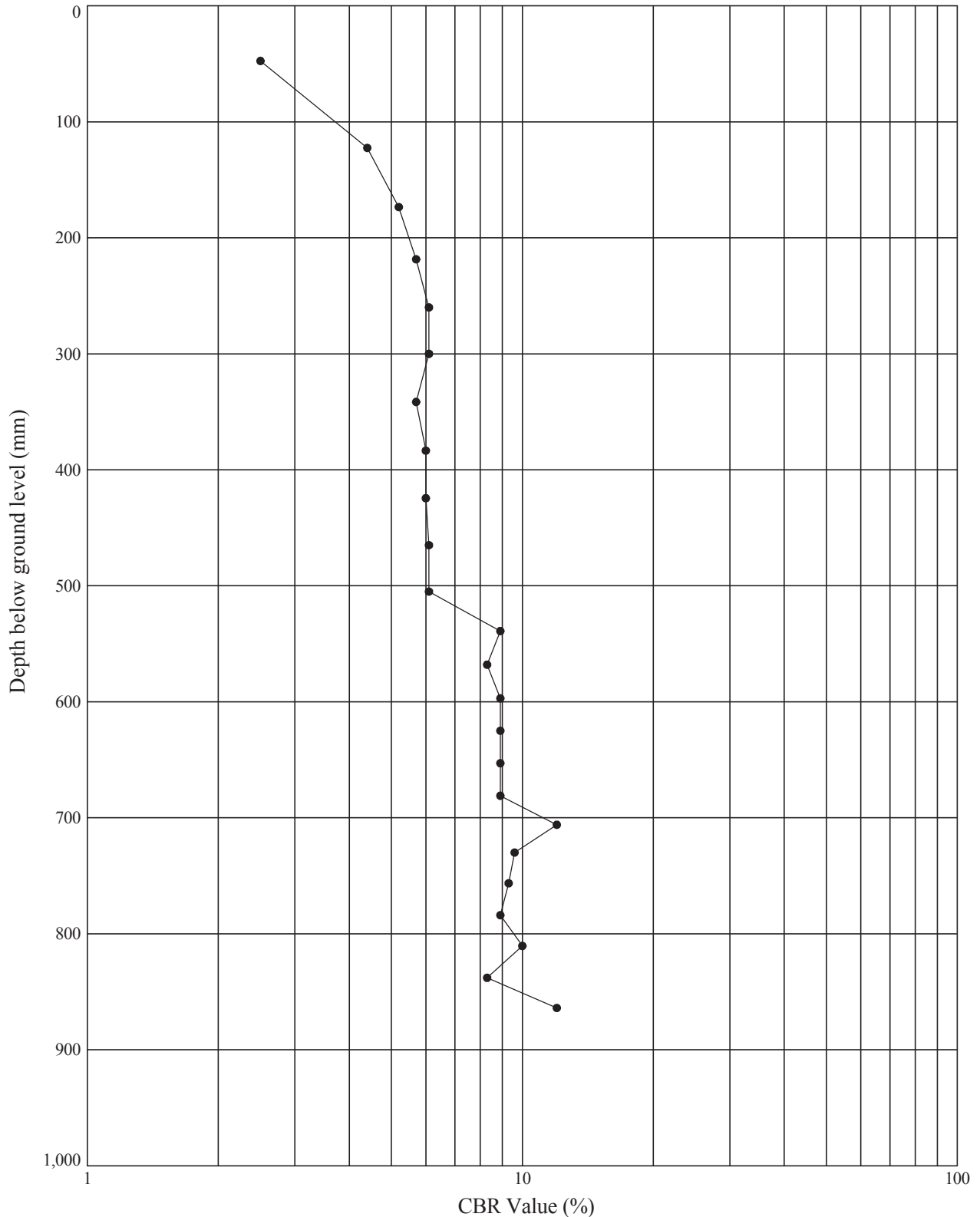
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR21**

Test Date : **16.04.13**

Ground Level (m AOD): **4.65**

National Grid Co-ordinates: **E:335920.2 N:145376.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By

Date

Checked By

Date

17/10/13

17/10/13

Contract:

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Connection**

Contract Ref:

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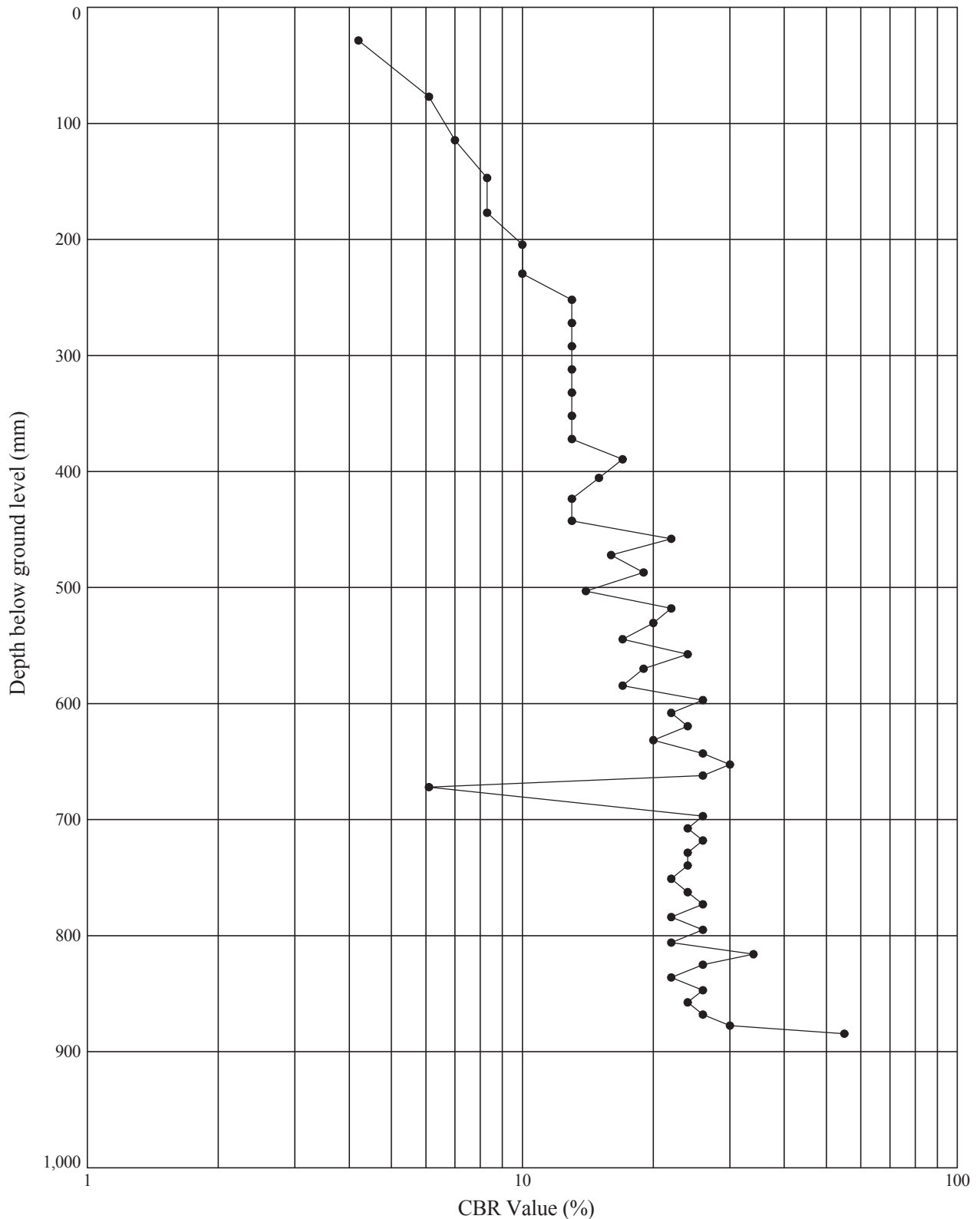
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR22**

Test Date : **16.04.13**

Ground Level (m AOD): **4.85**

National Grid Co-ordinates: **E:335980.2 N:145919.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

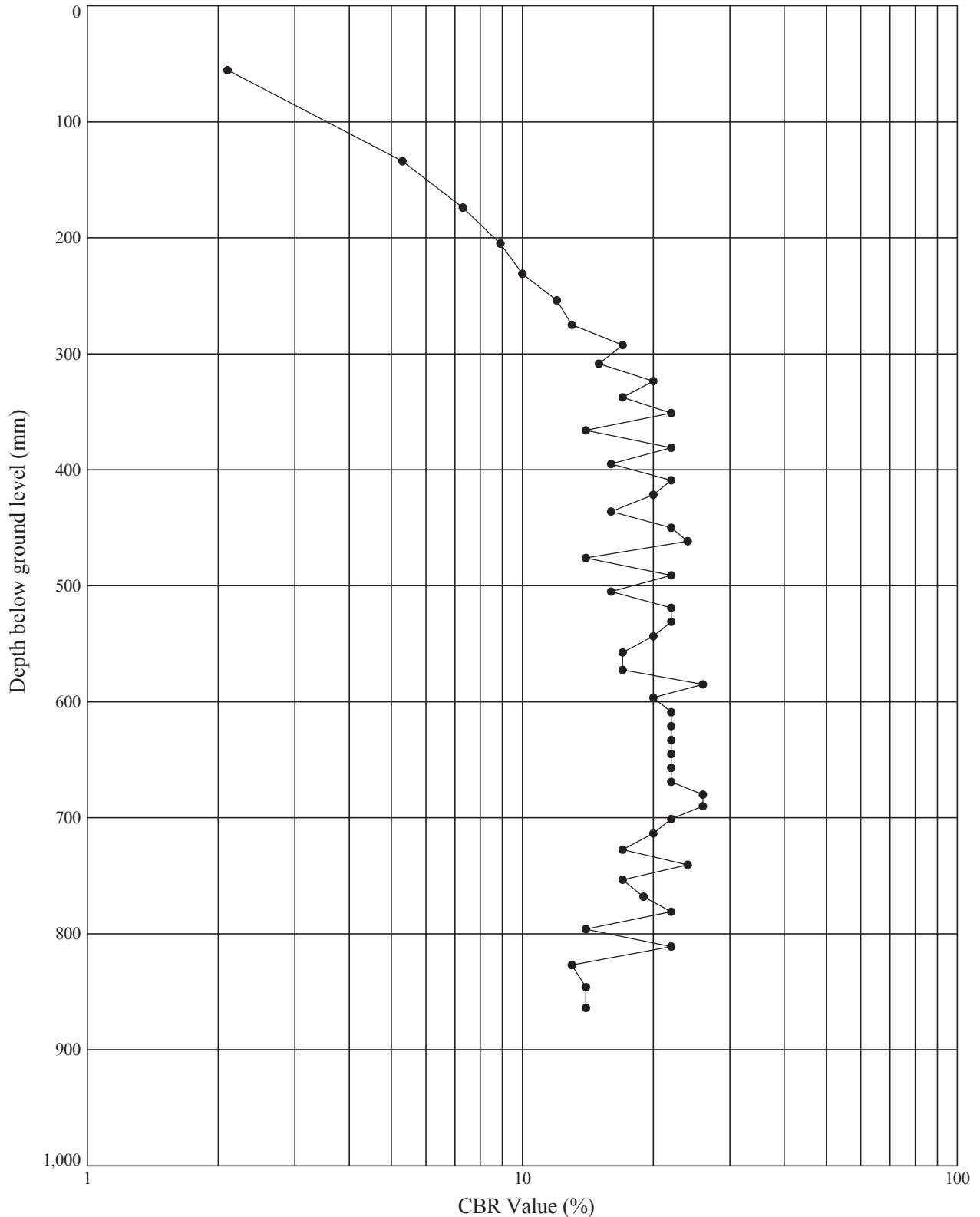
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR23**

Test Date : **16.04.13**

Ground Level (m AOD): **4.94**

National Grid Co-ordinates: **E:335963.7 N:146168.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: East Huntspill.



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Date

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Contract:

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Connection**

Contract Ref:

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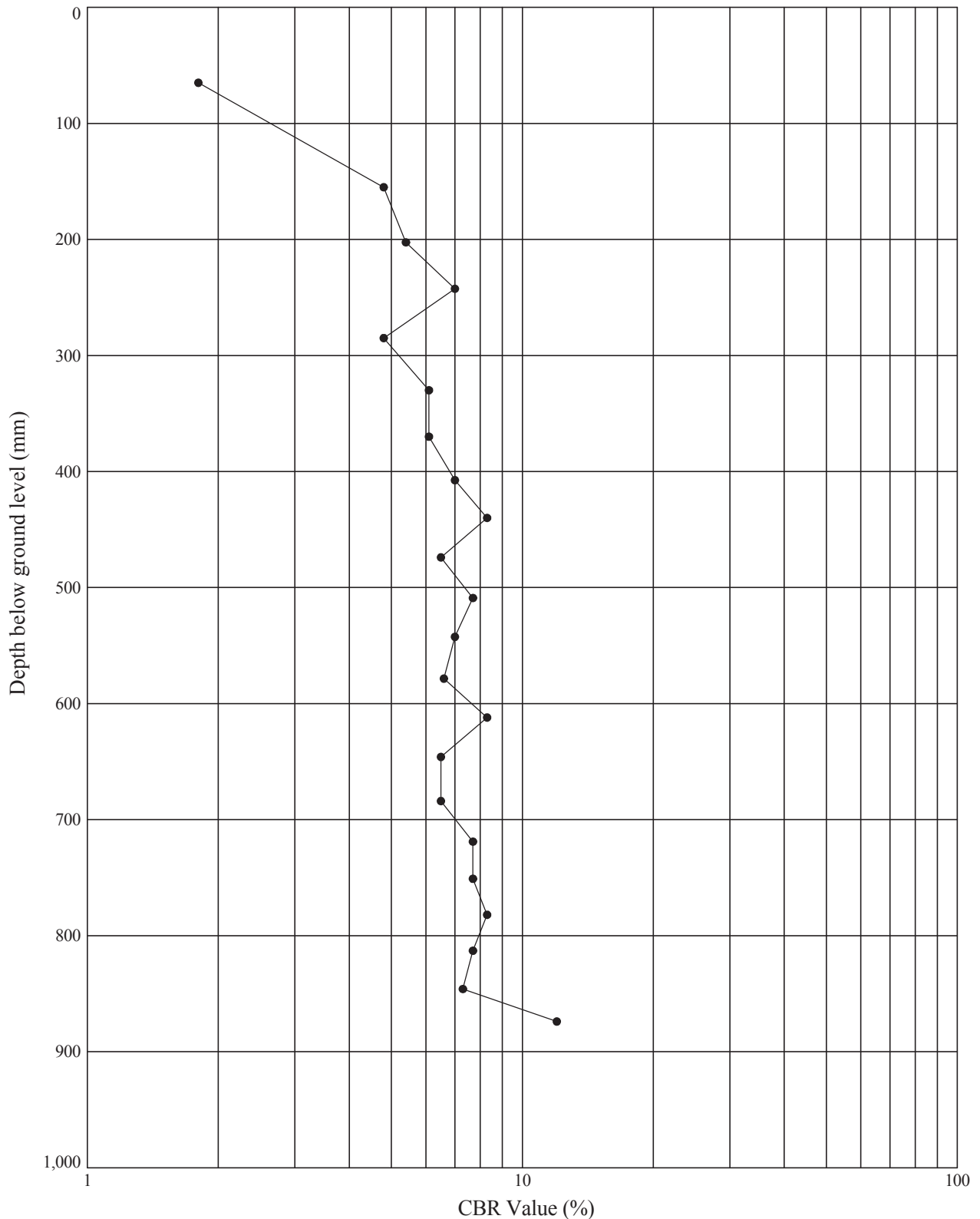
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR24**

Test Date : **16.04.13**

Ground Level (m AOD): **4.88**

National Grid Co-ordinates: **E:336210.3 N:146427.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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Compiled By

Date

Checked By

Date

17/10/13

17/10/13

Contract:

**Hinkley to Seabank 400kV
Connection**

Contract Ref:

727635

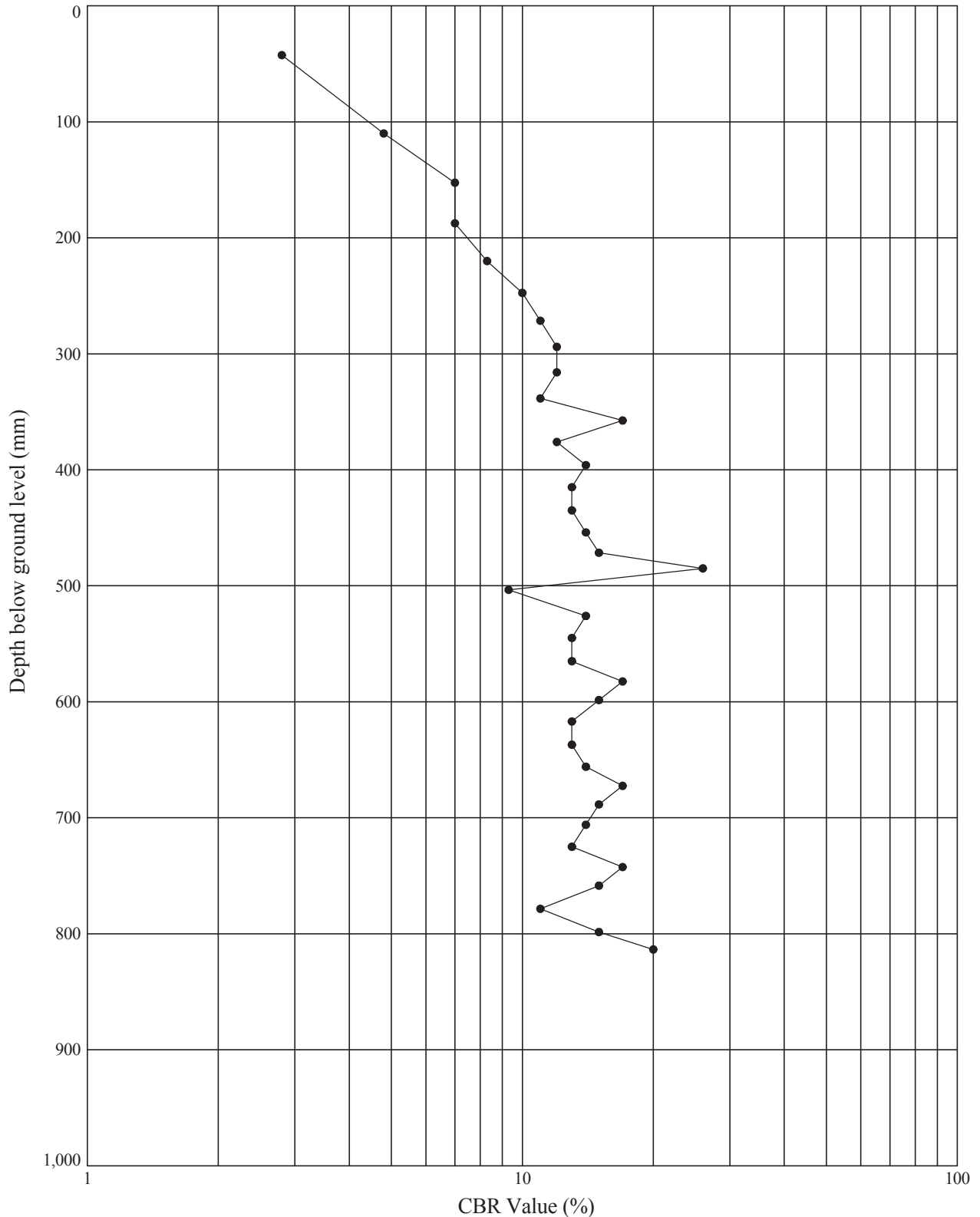
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR25**

Test Date : **17.04.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336347.8 N:146751.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

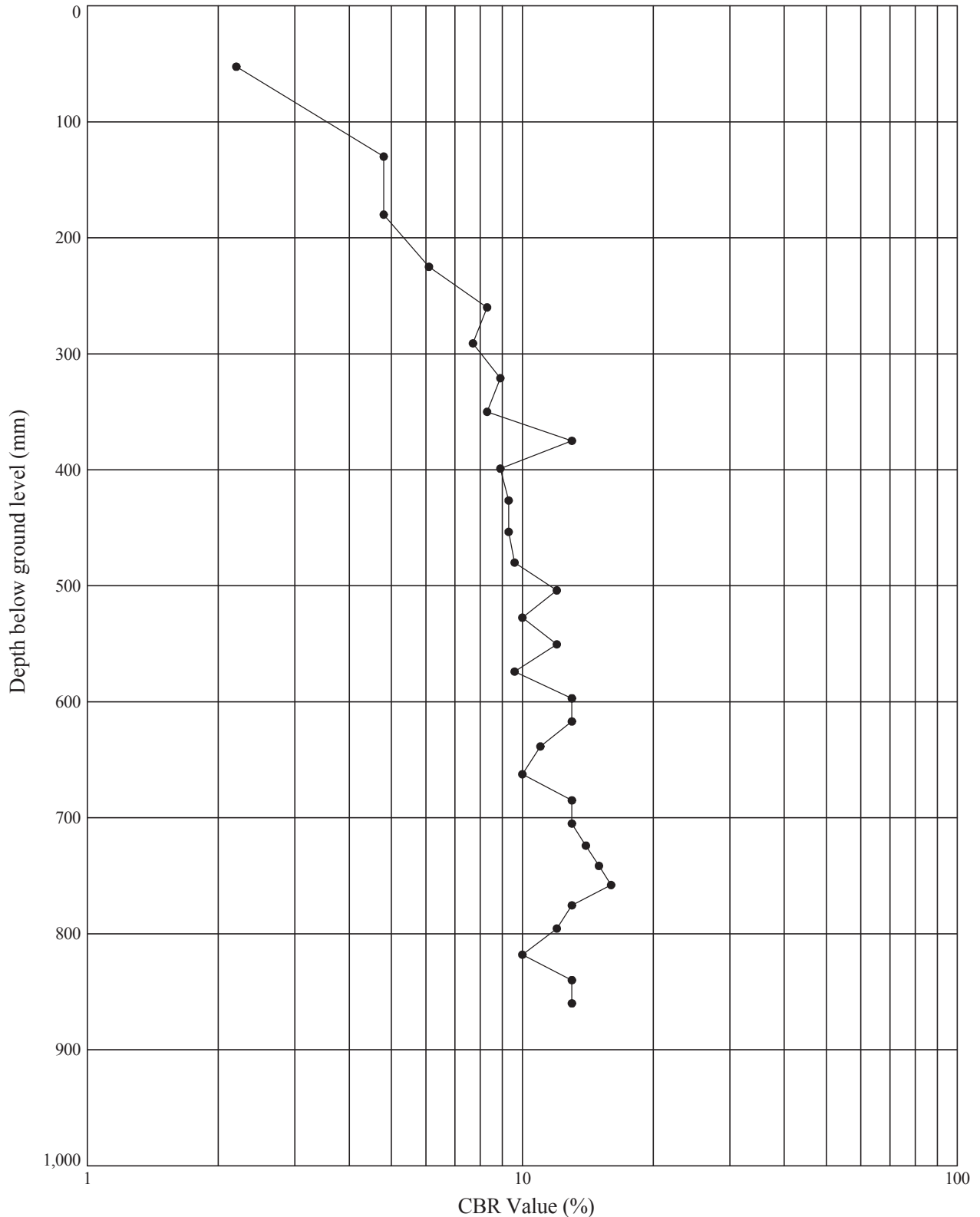
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR26**

Test Date : **17.04.13**

Ground Level (m AOD): **4.90**

National Grid Co-ordinates: **E:336653.0 N:147291.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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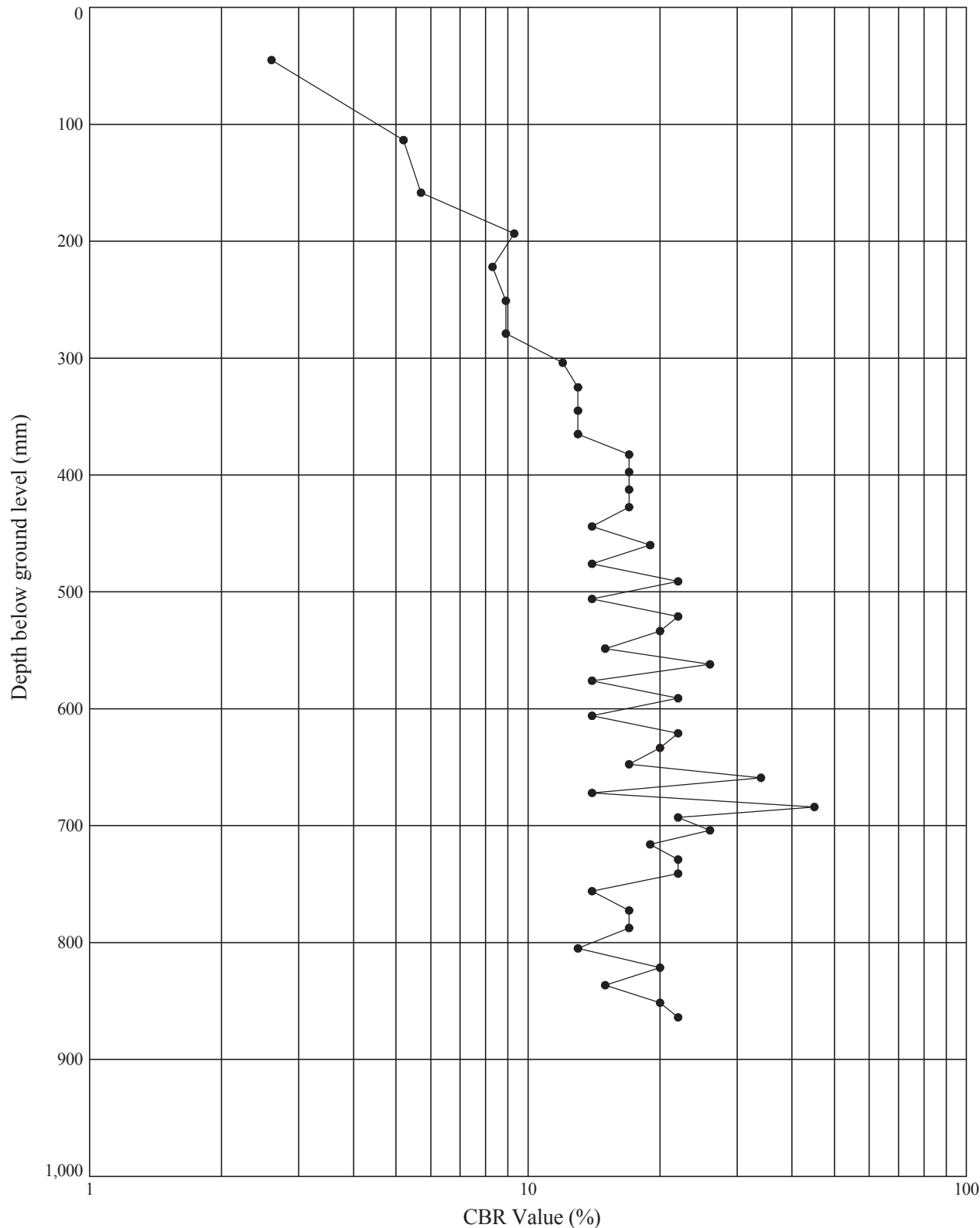
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR27**

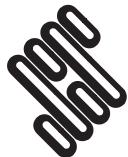
Test Date : **17.04.13**

Ground Level (m AOD): **5.06**

National Grid Co-ordinates: **E:336645.8 N:147455.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

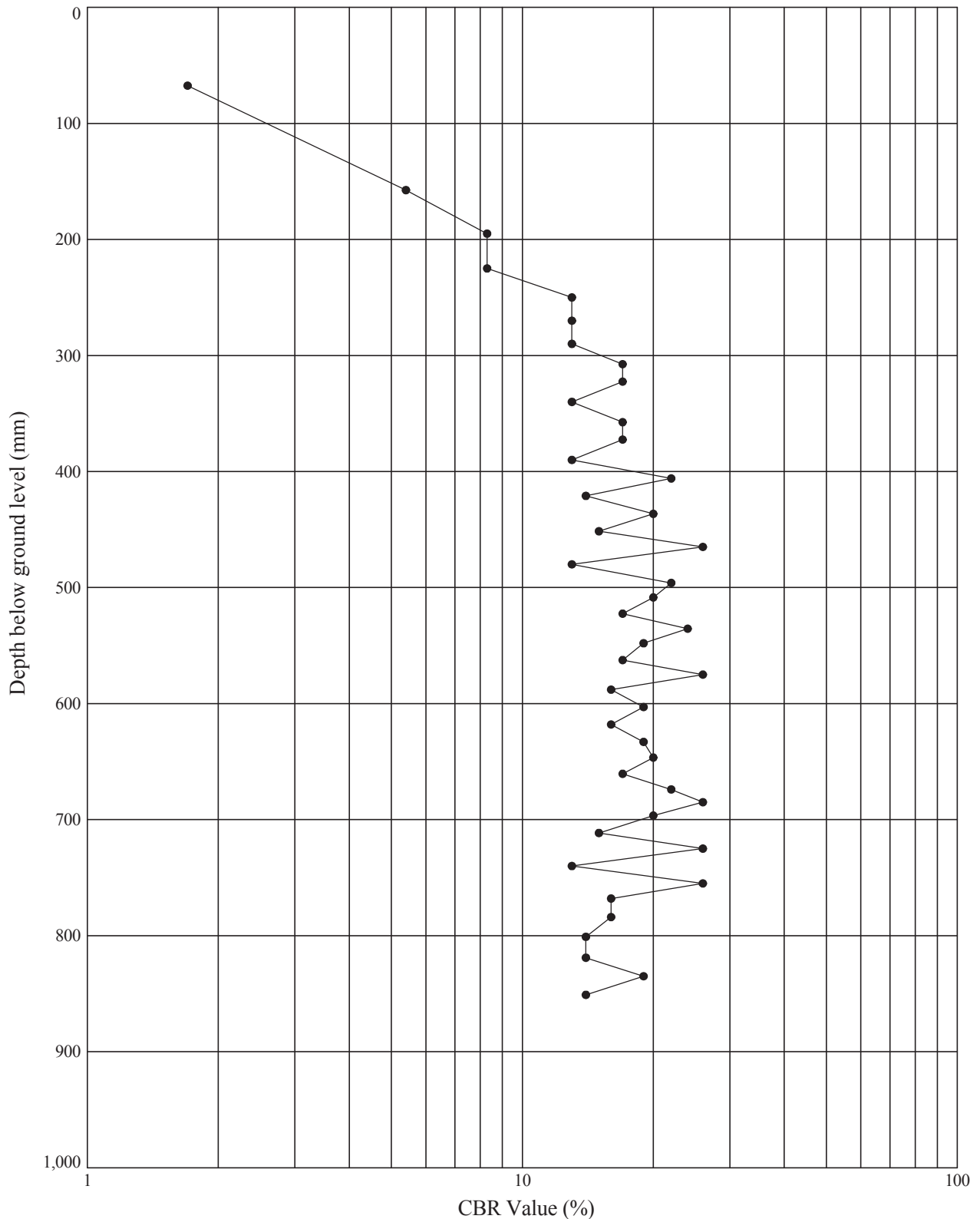
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR28**

Test Date : **17.04.13**

Ground Level (m AOD): **5.07**

National Grid Co-ordinates: **E:336623.9 N:147823.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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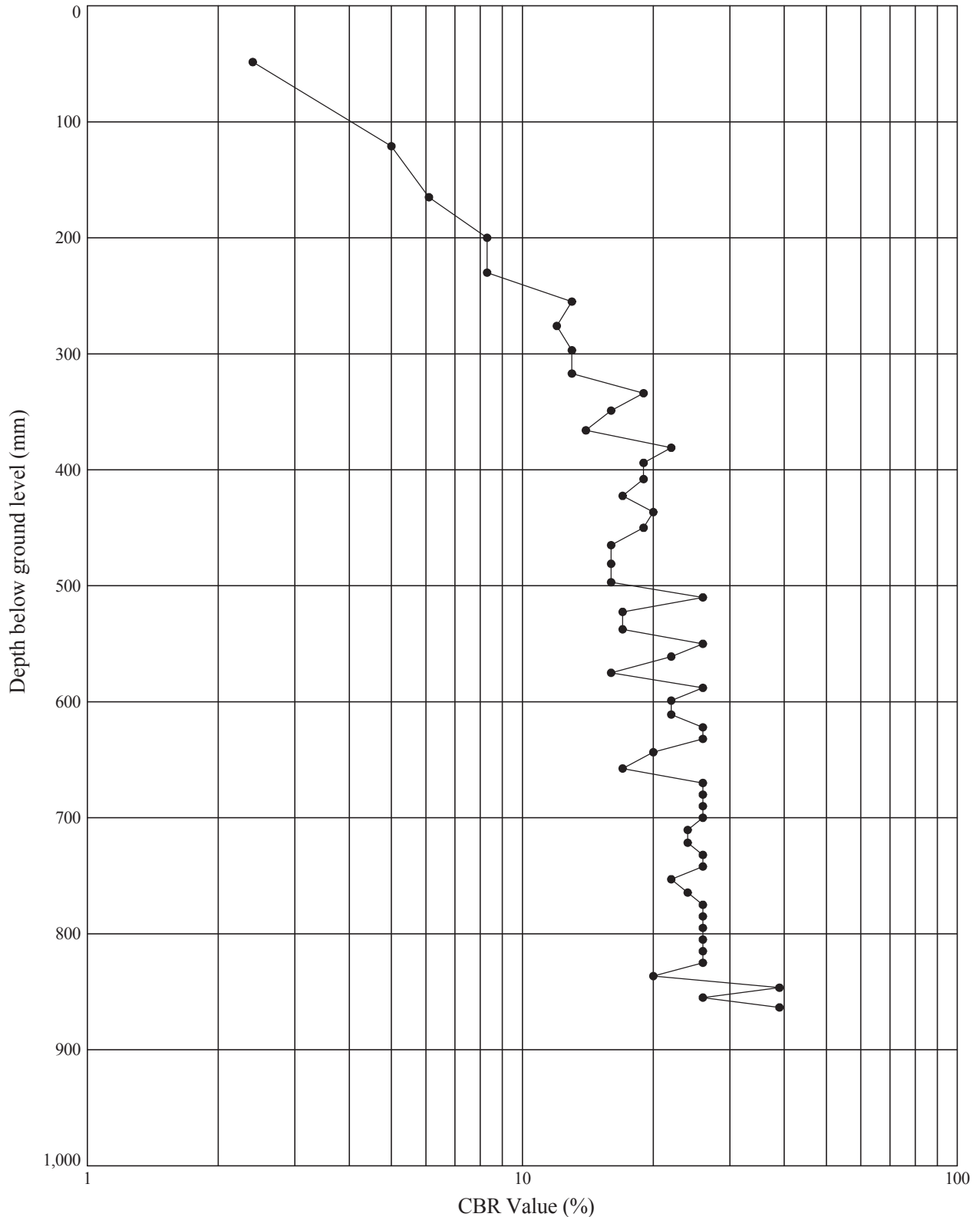
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR29**

Test Date : **17.04.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336603.1 N:148082.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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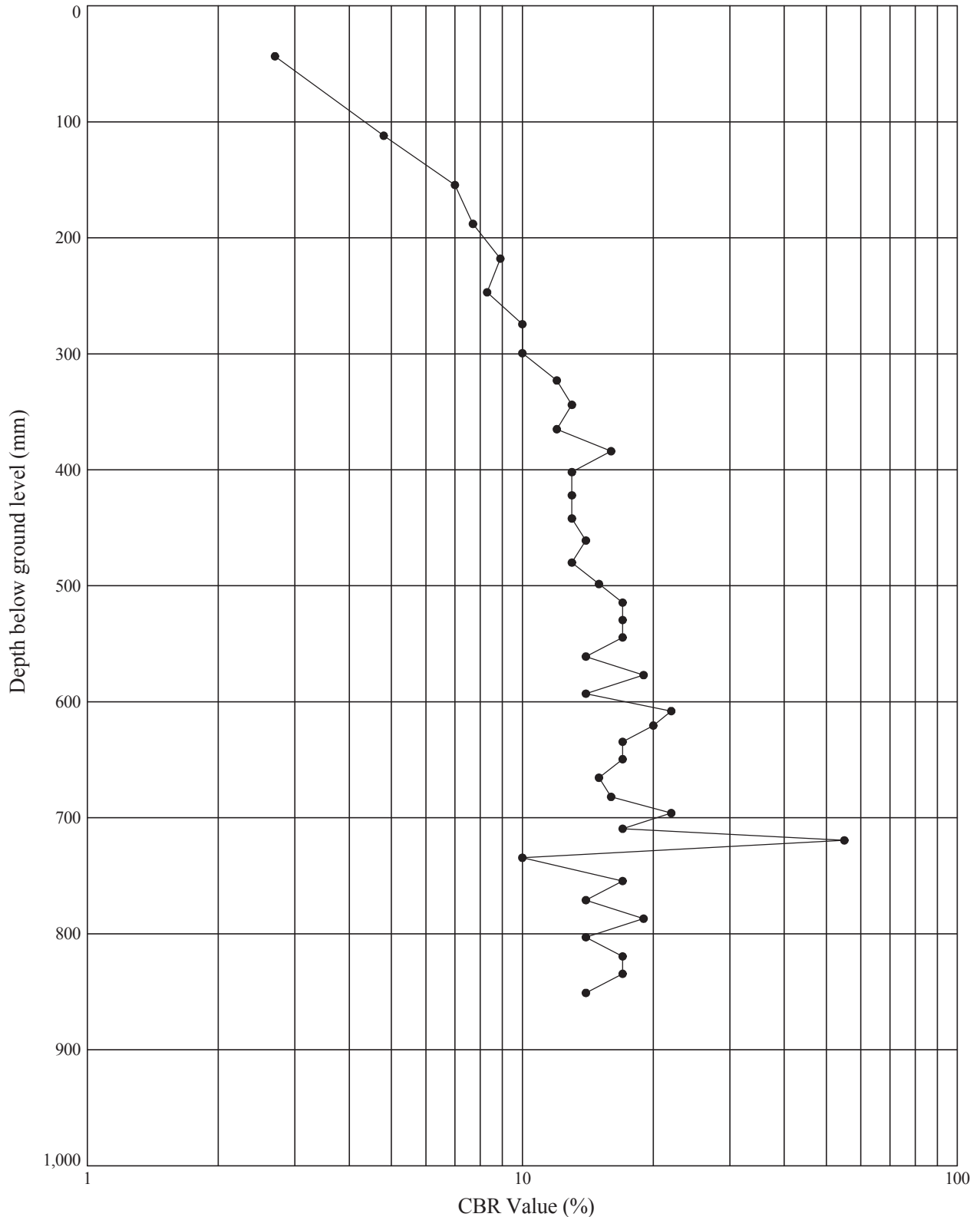
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR30**

Test Date : **17.04.13**

Ground Level (m AOD): **5.16**

National Grid Co-ordinates: **E:336612.0 N:148392.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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Contract Ref:

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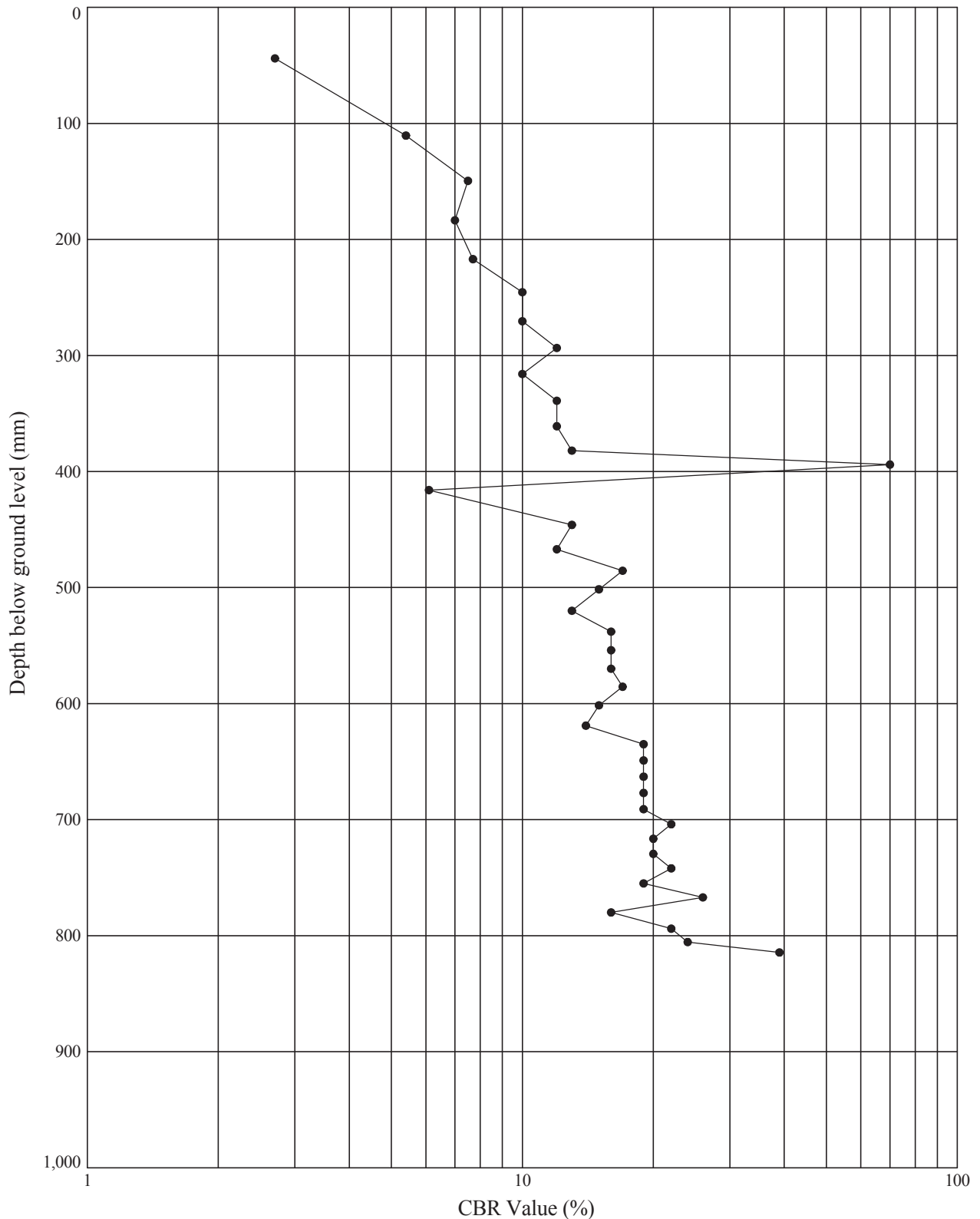
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR31**

Test Date : **17.04.13**

Ground Level (m AOD): **5.15**

National Grid Co-ordinates: **E:336795.7 N:148684.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

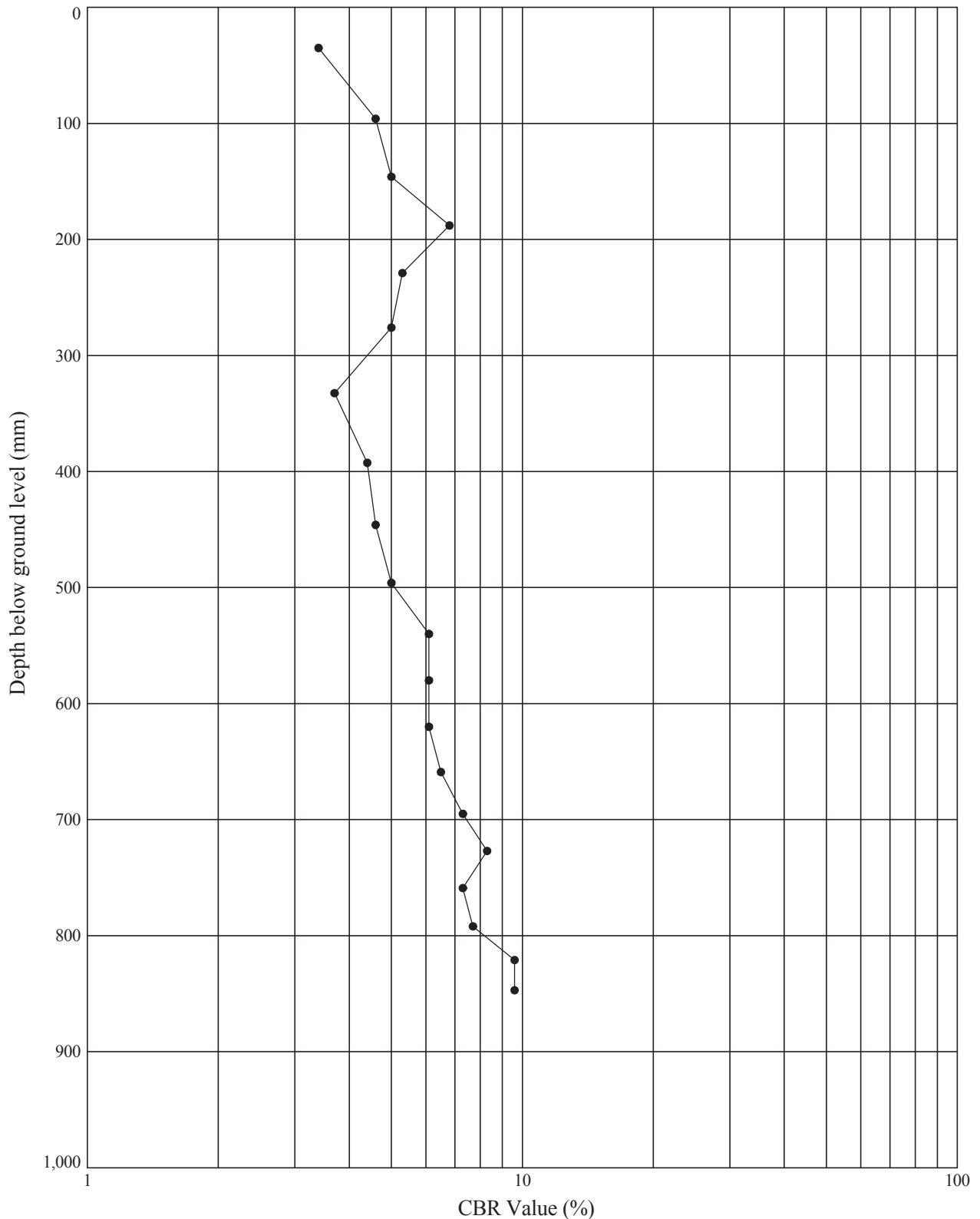
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR32**

Test Date : **17.04.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:336992.5 N:148942.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

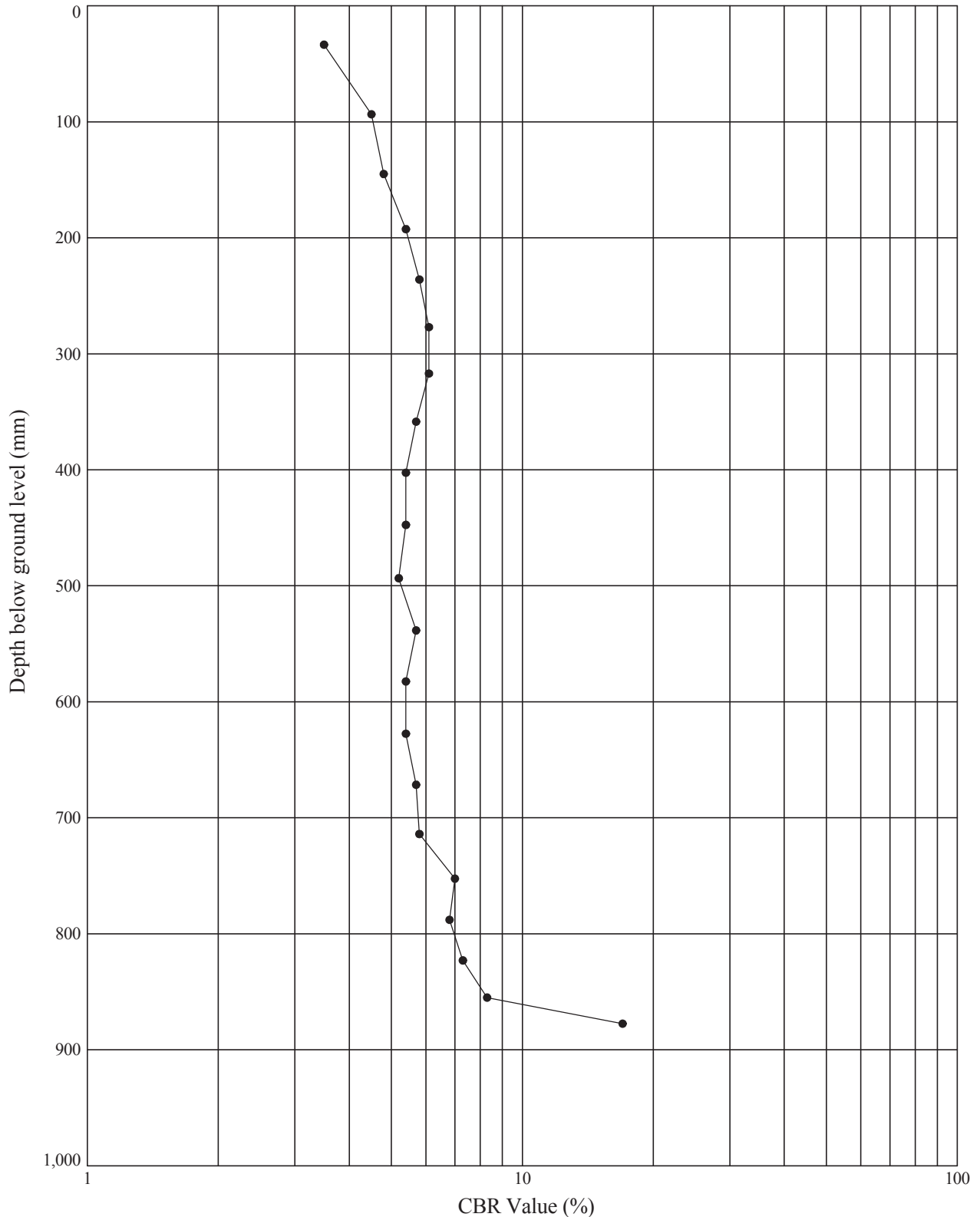
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR33**

Test Date : **17.04.13**

Ground Level (m AOD): **5.24**

National Grid Co-ordinates: **E:337130.4 N:149016.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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Contract Ref:

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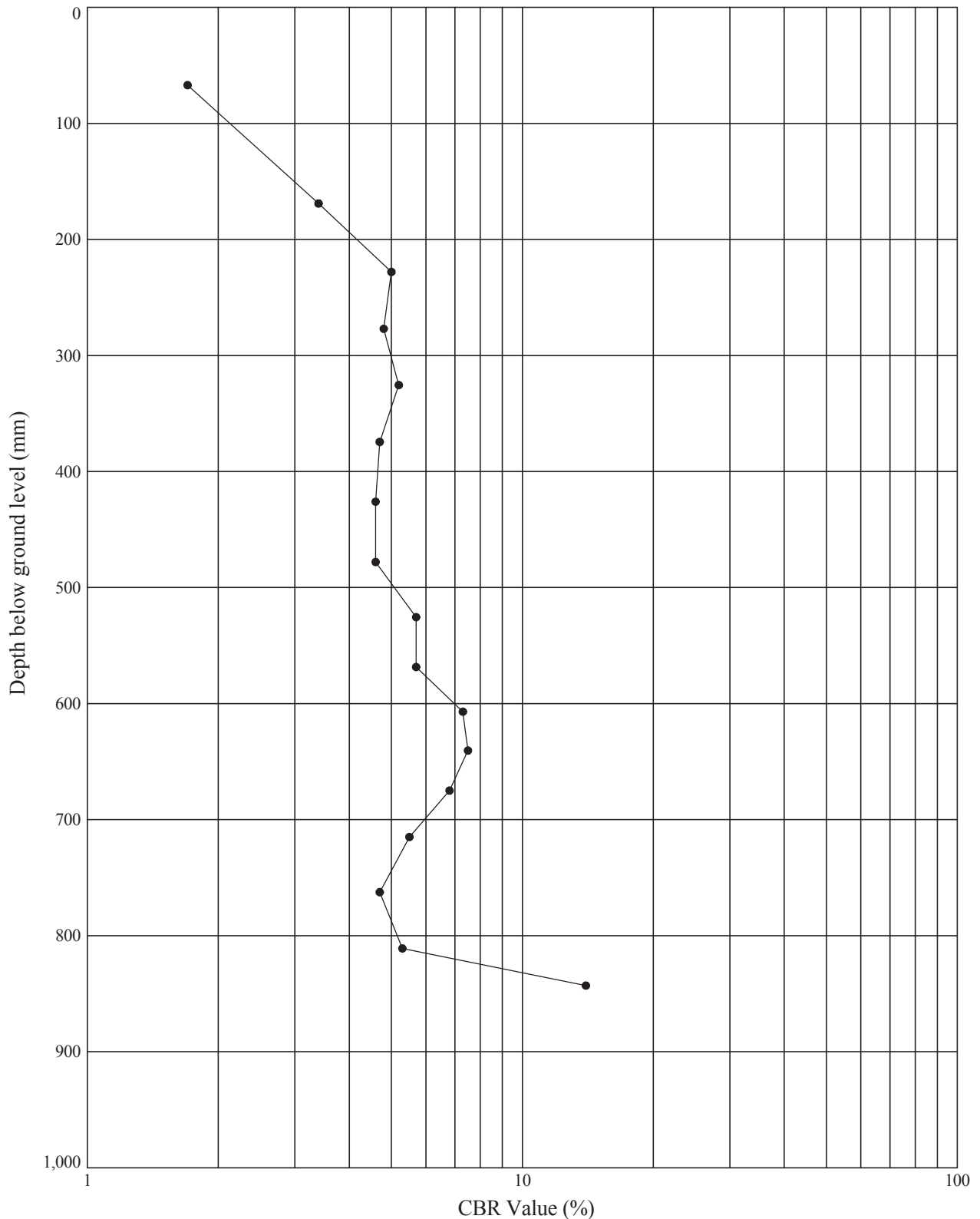
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR34**

Test Date : **17.04.13**

Ground Level (m AOD): **5.33**

National Grid Co-ordinates: **E:337181.6 N:149341.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
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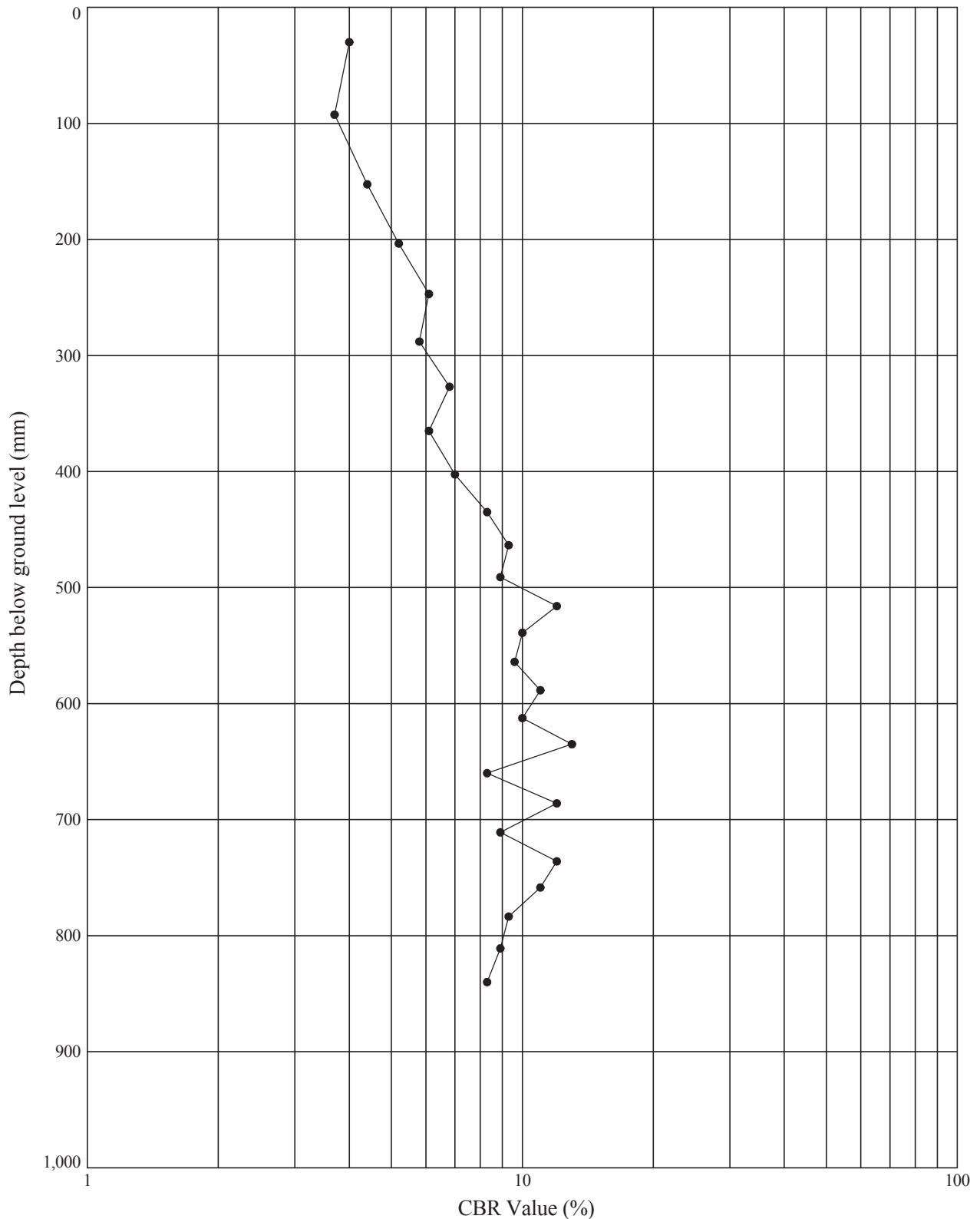
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR35**

Test Date : **17.04.13**

Ground Level (m AOD): **5.55**

National Grid Co-ordinates: **E:337221.8 N:149661.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

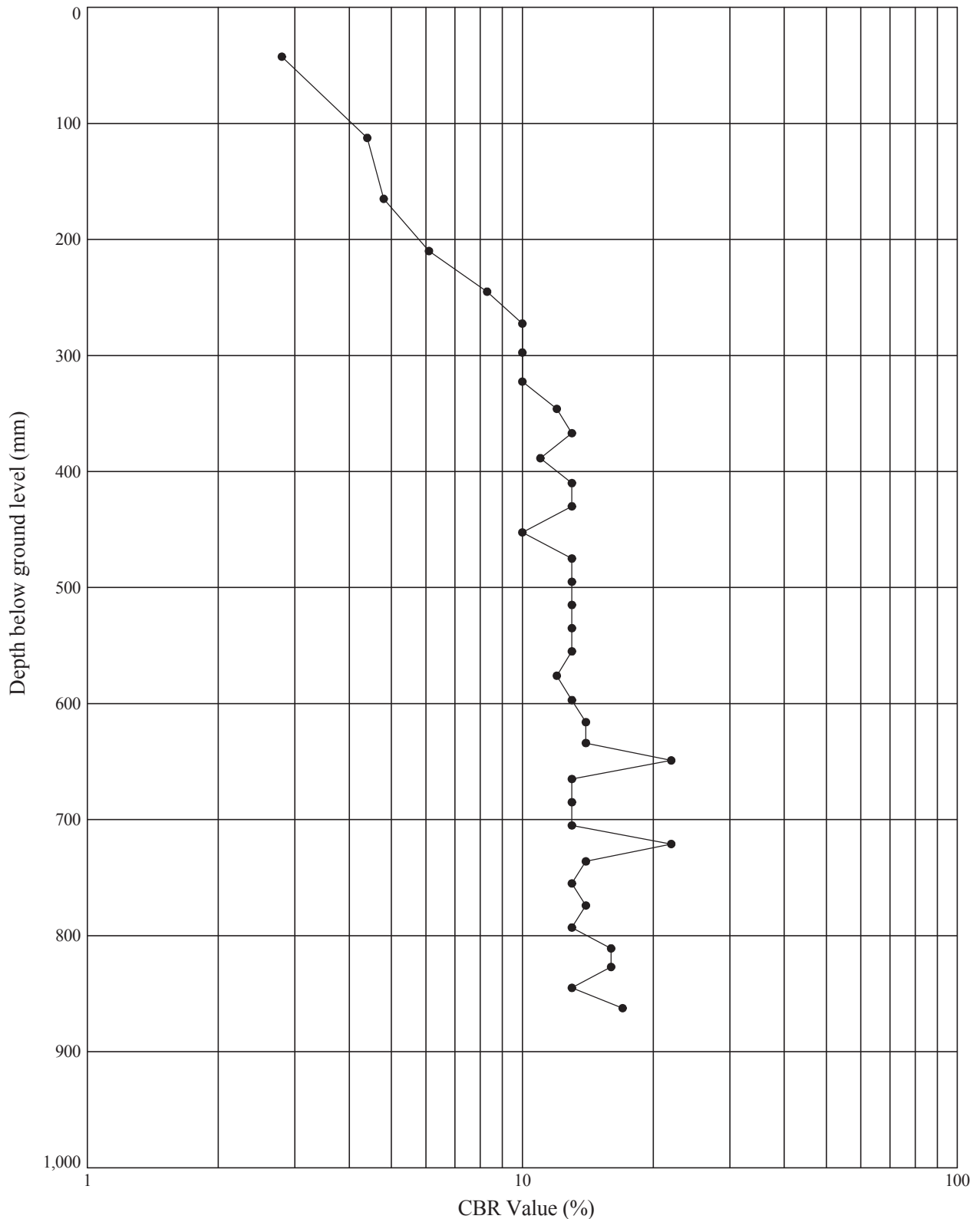
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR36**

Test Date : **17.04.13**

Ground Level (m AOD): **5.30**

National Grid Co-ordinates: **E:337190.6 N:150123.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Mark.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

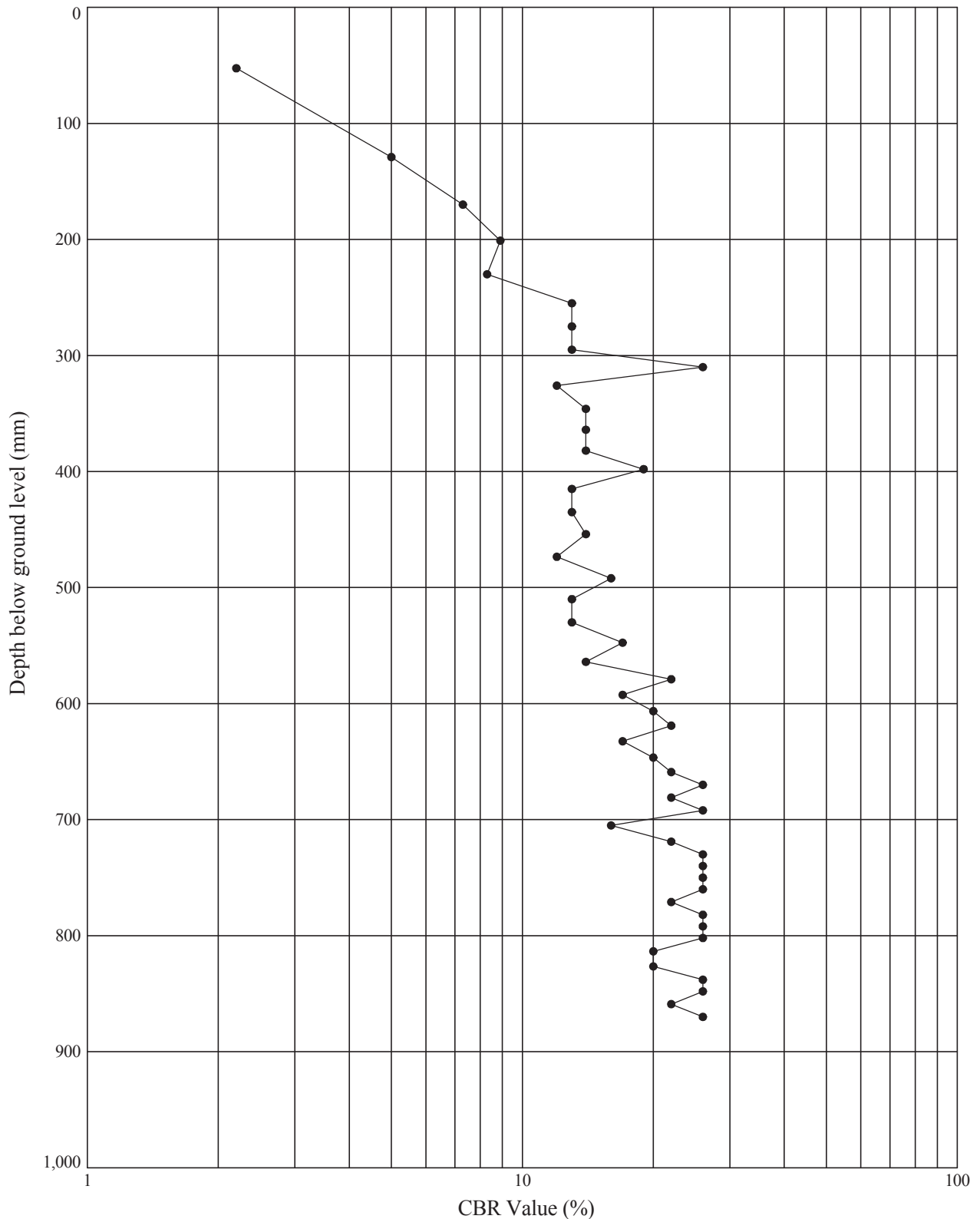
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR37**

Test Date : **17.04.13**

Ground Level (m AOD): **5.21**

National Grid Co-ordinates: **E:337218.5 N:150424.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

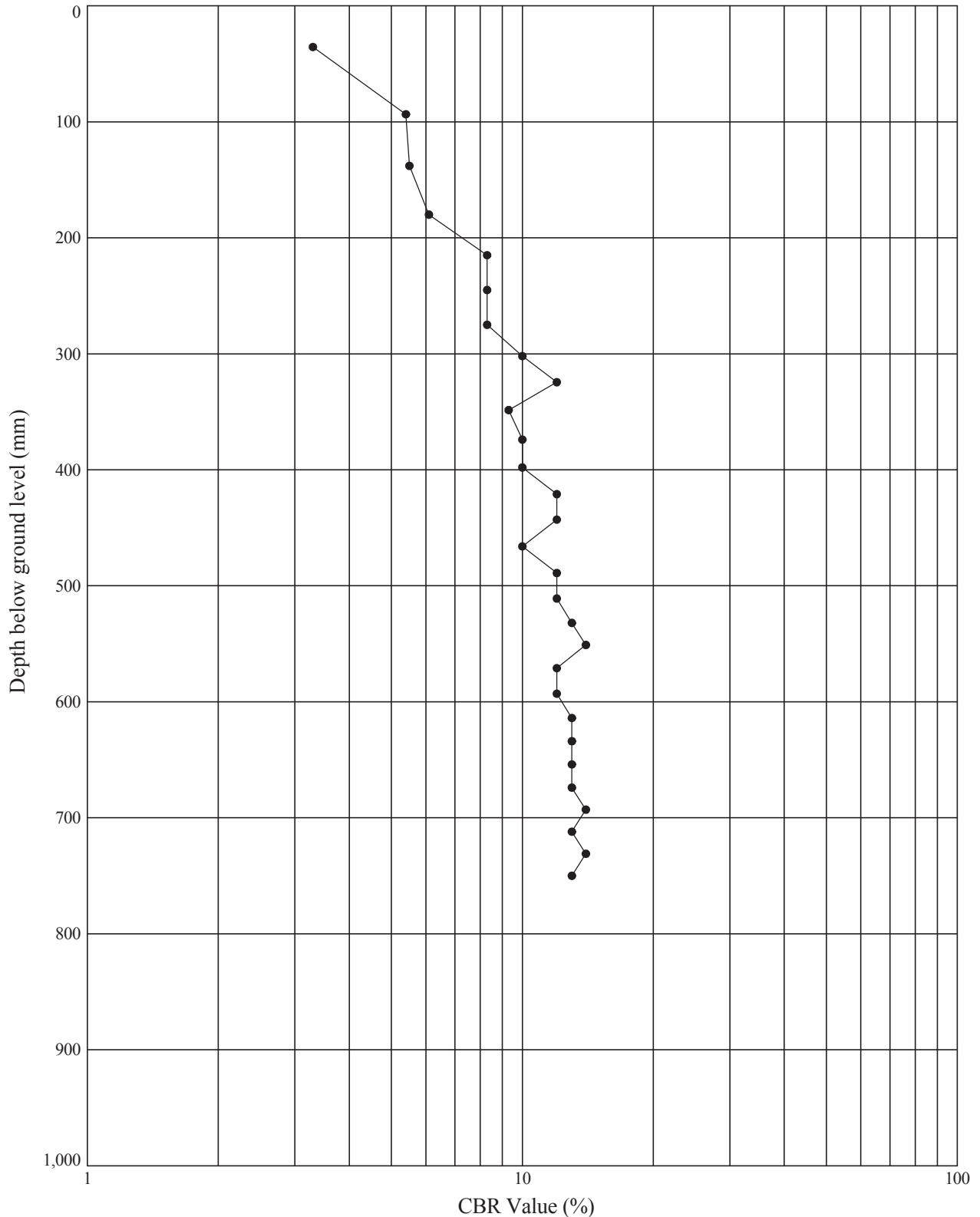
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR38**

Test Date : **17.04.13**

Ground Level (m AOD): **4.99**

National Grid Co-ordinates: **E:337308.2 N:150849.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

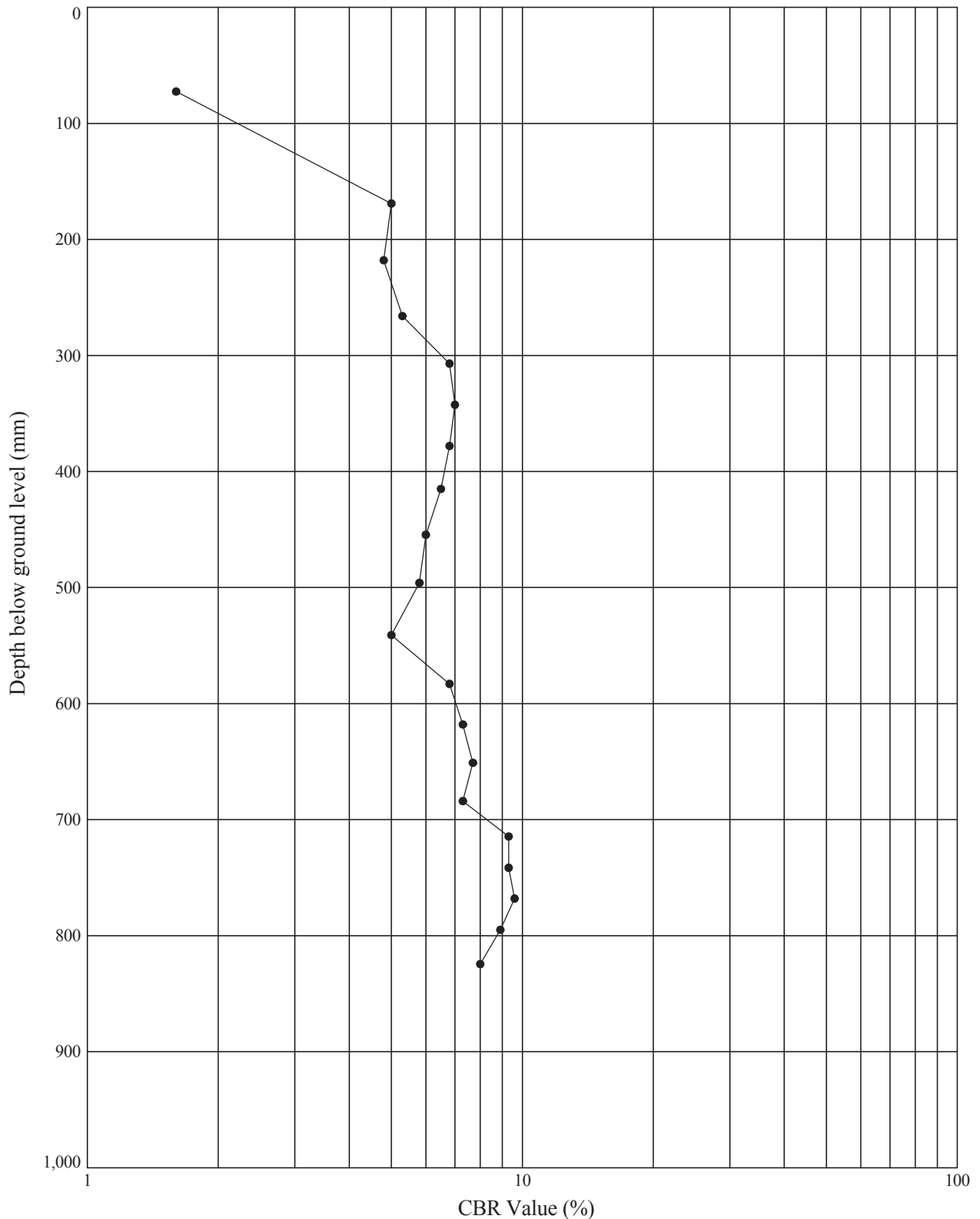
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR39**

Test Date : **17.04.13**

Ground Level (m AOD): **5.30**

National Grid Co-ordinates: **E:337339.2 N:150958.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in rough pasture at margin of ploughed field. Location: Rooks Bridge.



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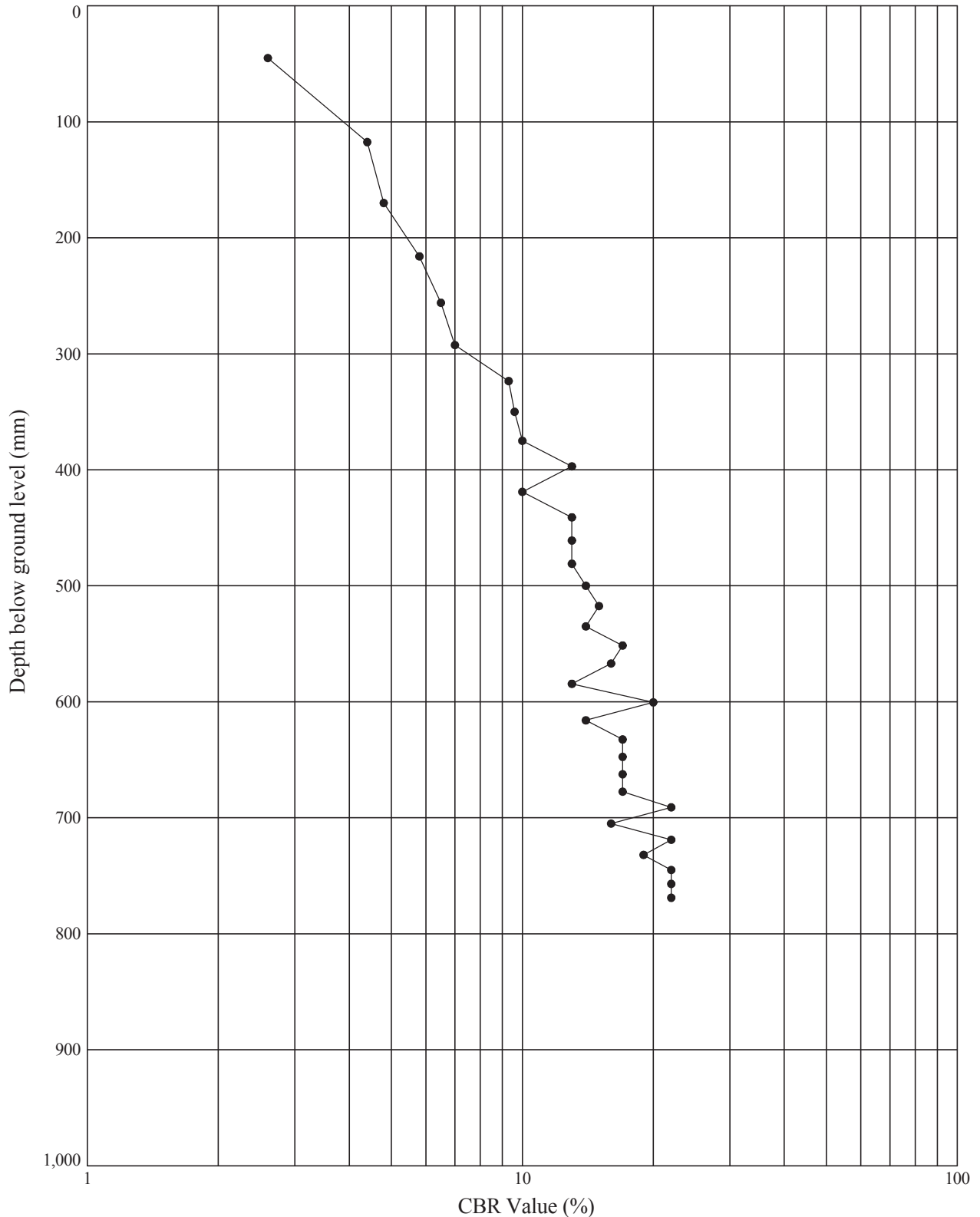
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR40**

Test Date : **18.04.13**

Ground Level (m AOD): **4.96**

National Grid Co-ordinates: **E:337331.7 N:151344.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
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Hinkley to Seabank 400kV Connection		727635	

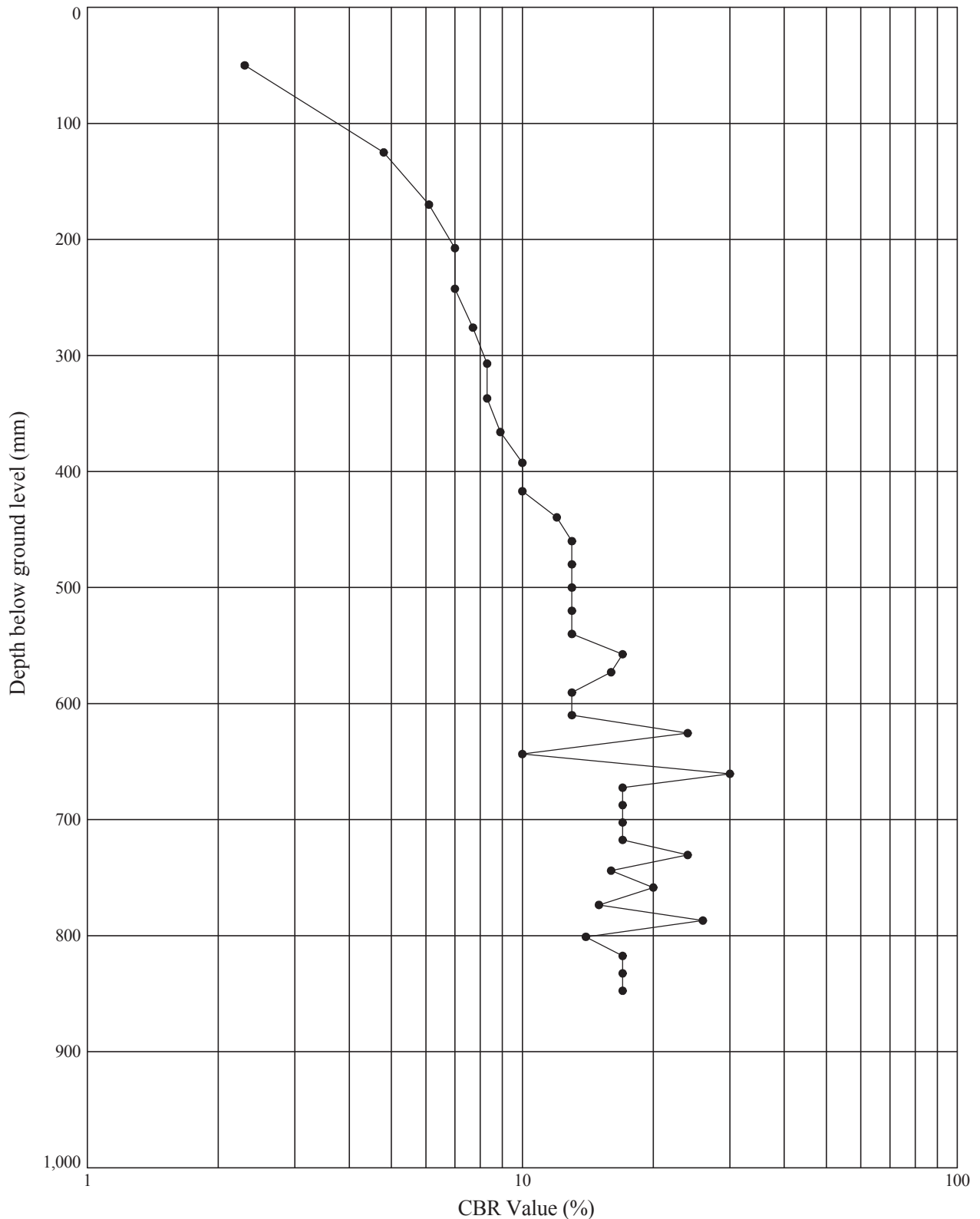
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR41**

Test Date : **18.04.13**

Ground Level (m AOD): **5.72**

National Grid Co-ordinates: **E:337373.4 N:151879.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

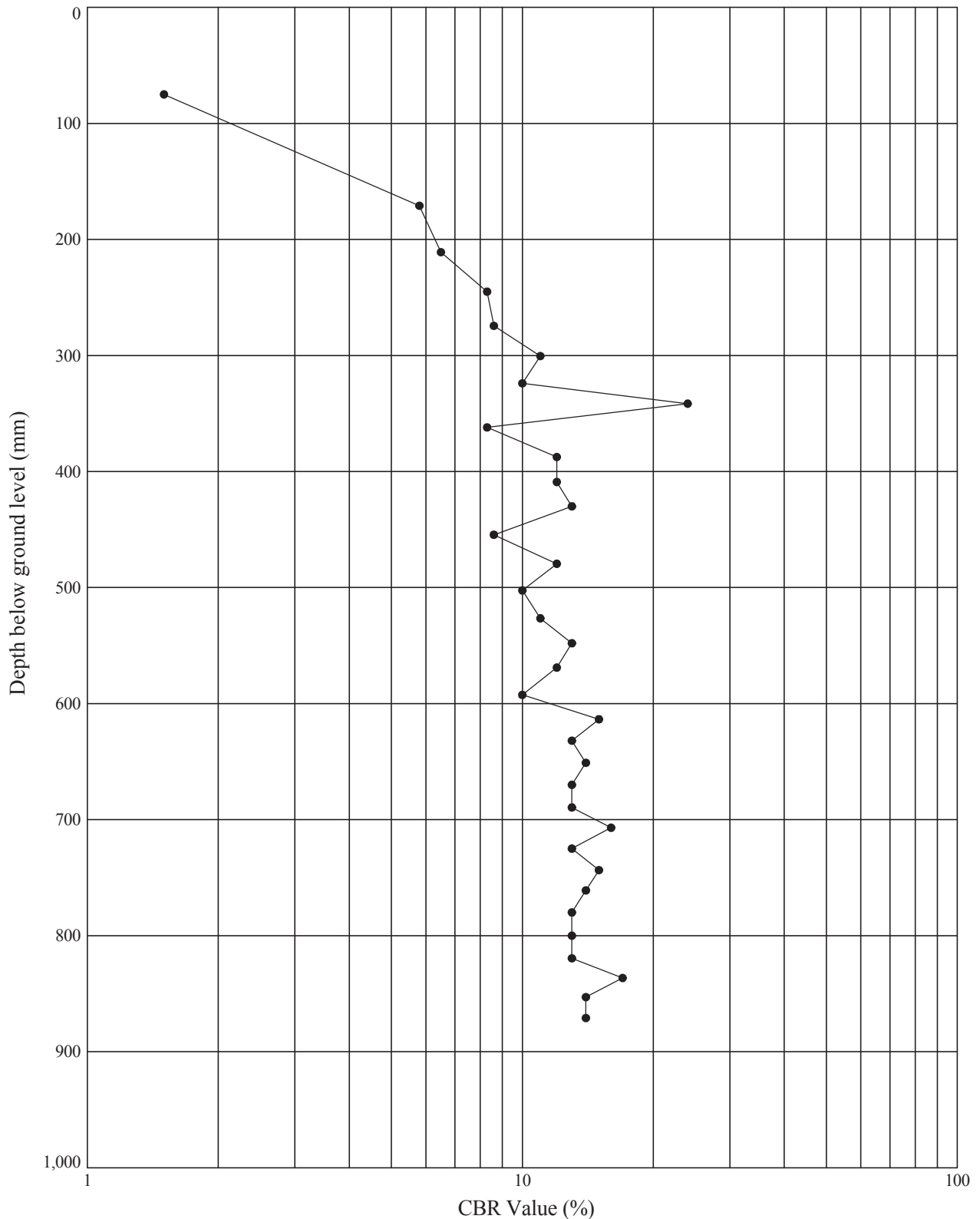
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR42**

Test Date : **18.04.13**

Ground Level (m AOD): **6.02**

National Grid Co-ordinates: **E:337372.0 N:152444.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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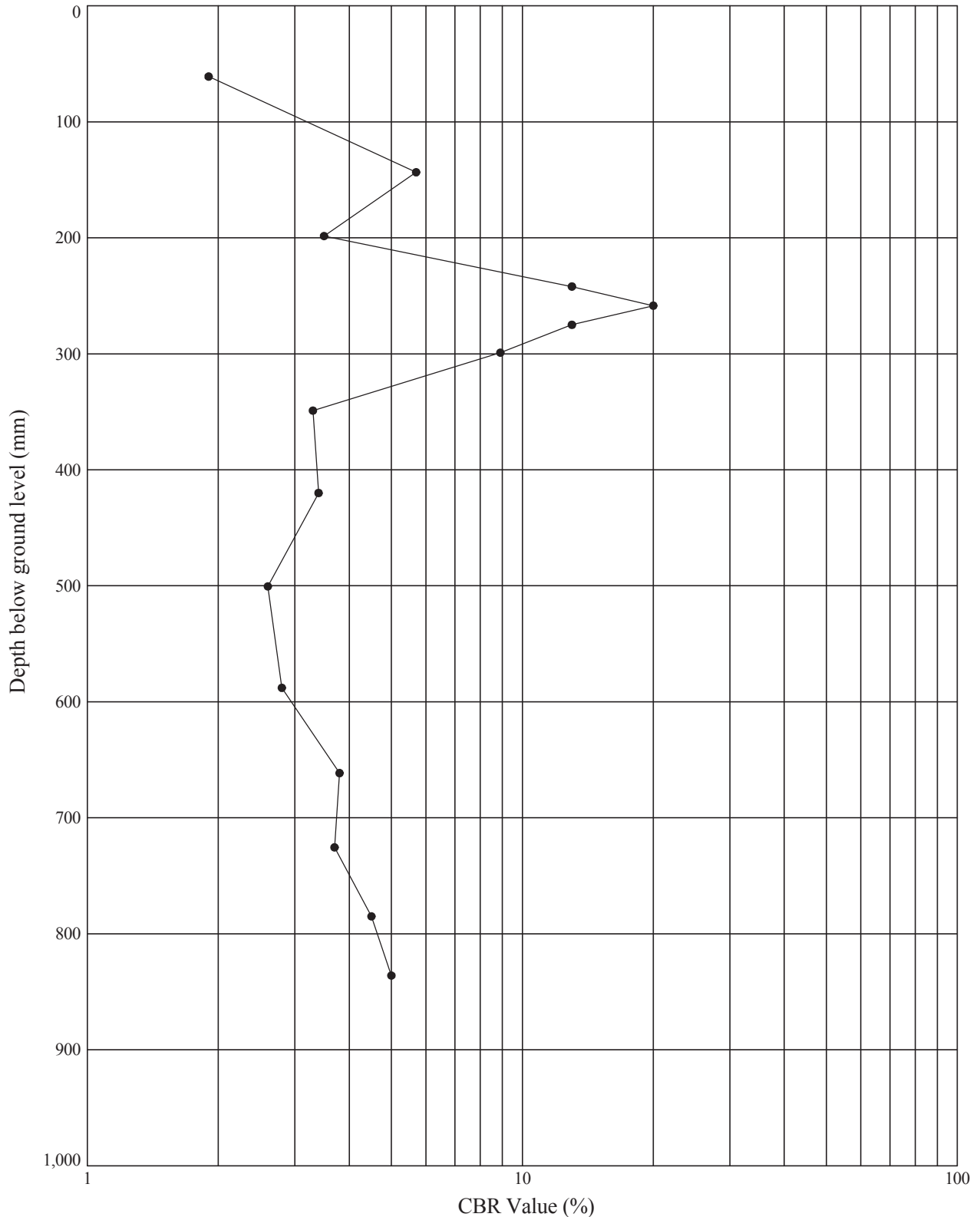
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR43**

Test Date : **18.04.13**

Ground Level (m AOD): **5.71**

National Grid Co-ordinates: **E:337806.8 N:152708.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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Compiled By

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Date

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Checked By

[Redacted Name]

Date

17/10/13

Contract:

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Contract Ref:

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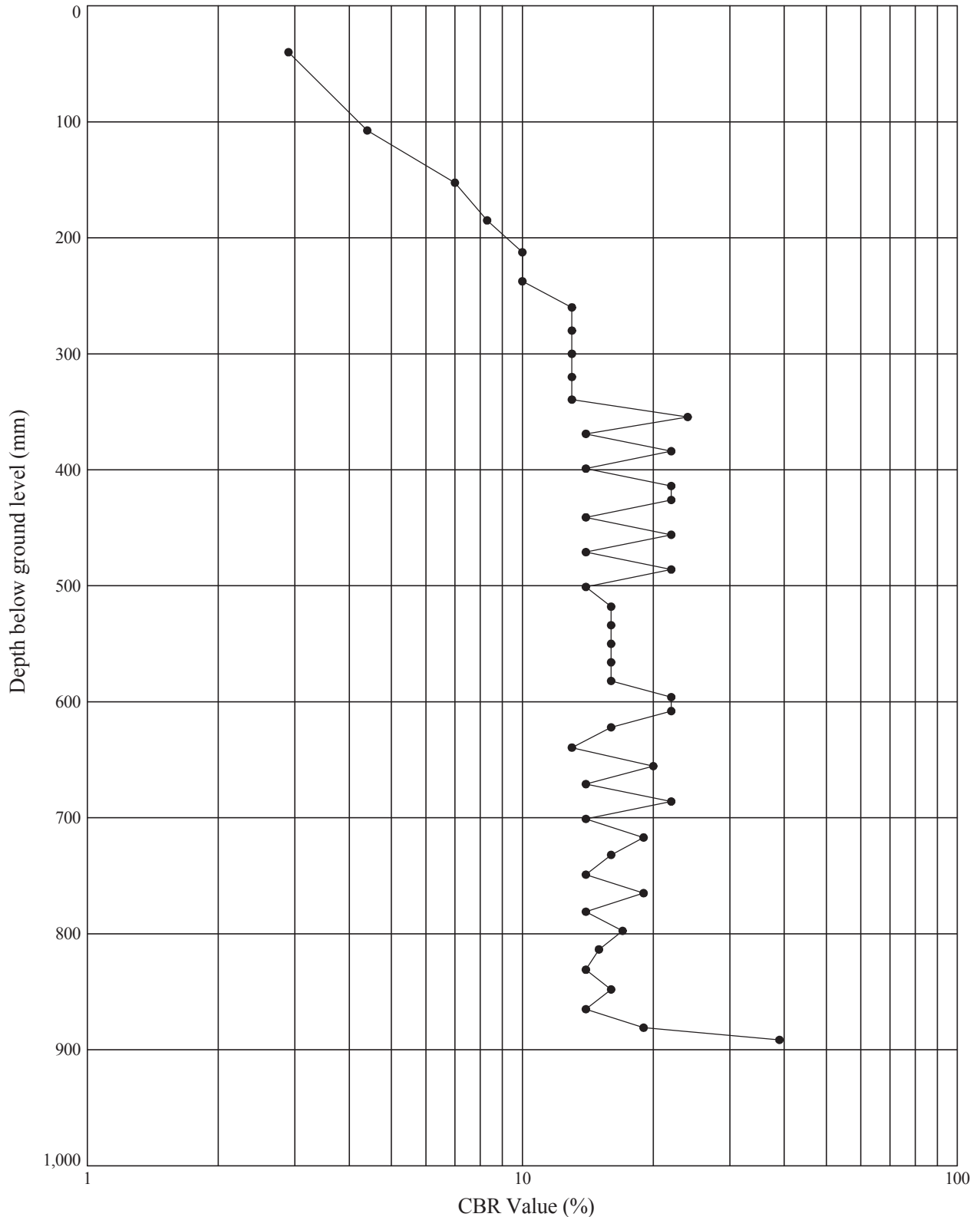
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR44**

Test Date : **18.04.13**

Ground Level (m AOD): **5.76**

National Grid Co-ordinates: **E:337410.8 N:152758.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
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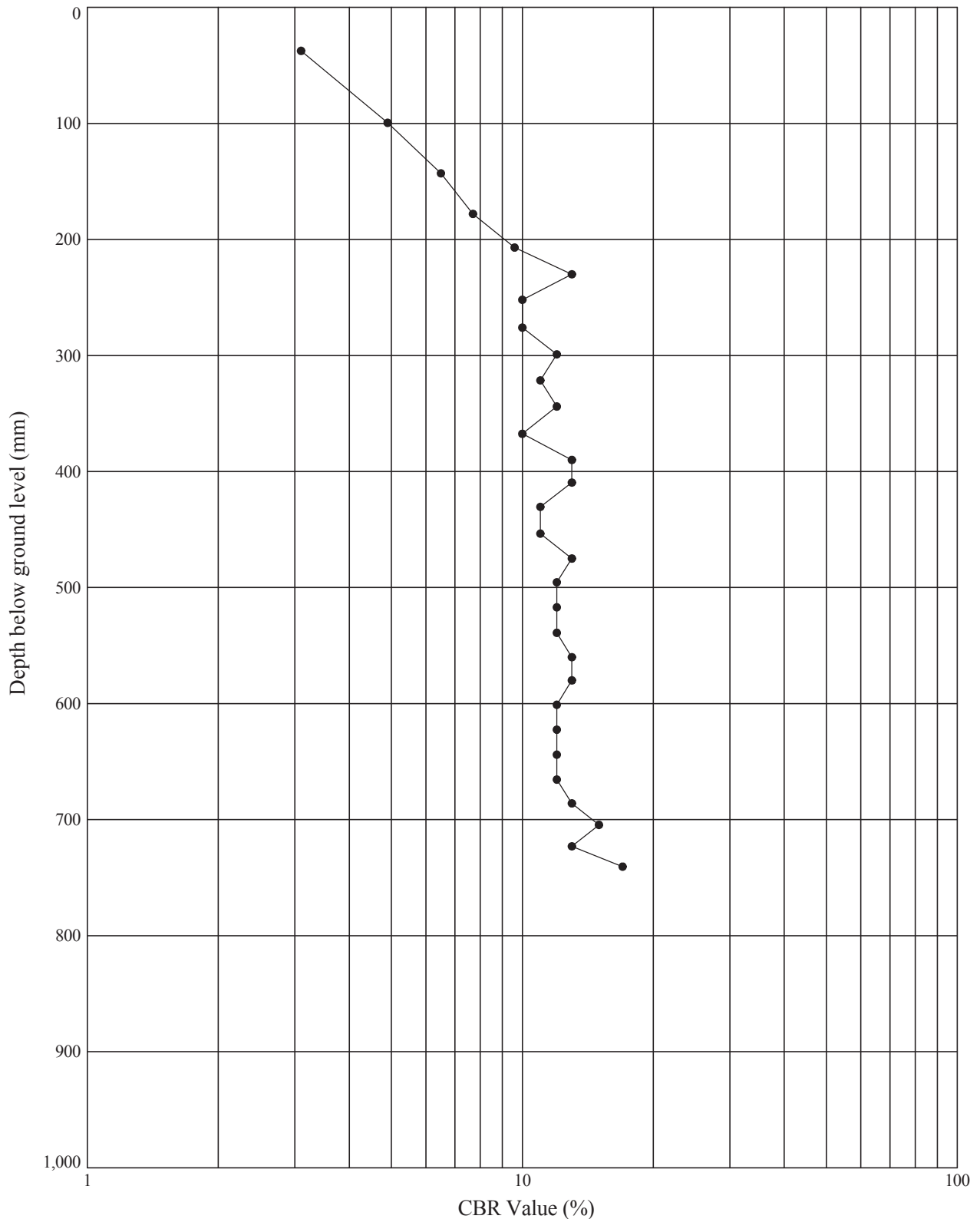
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR45**

Test Date : **12.04.13**

Ground Level (m AOD): **5.80**

National Grid Co-ordinates: **E:337380.6 N:152969.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Rooks Bridge.



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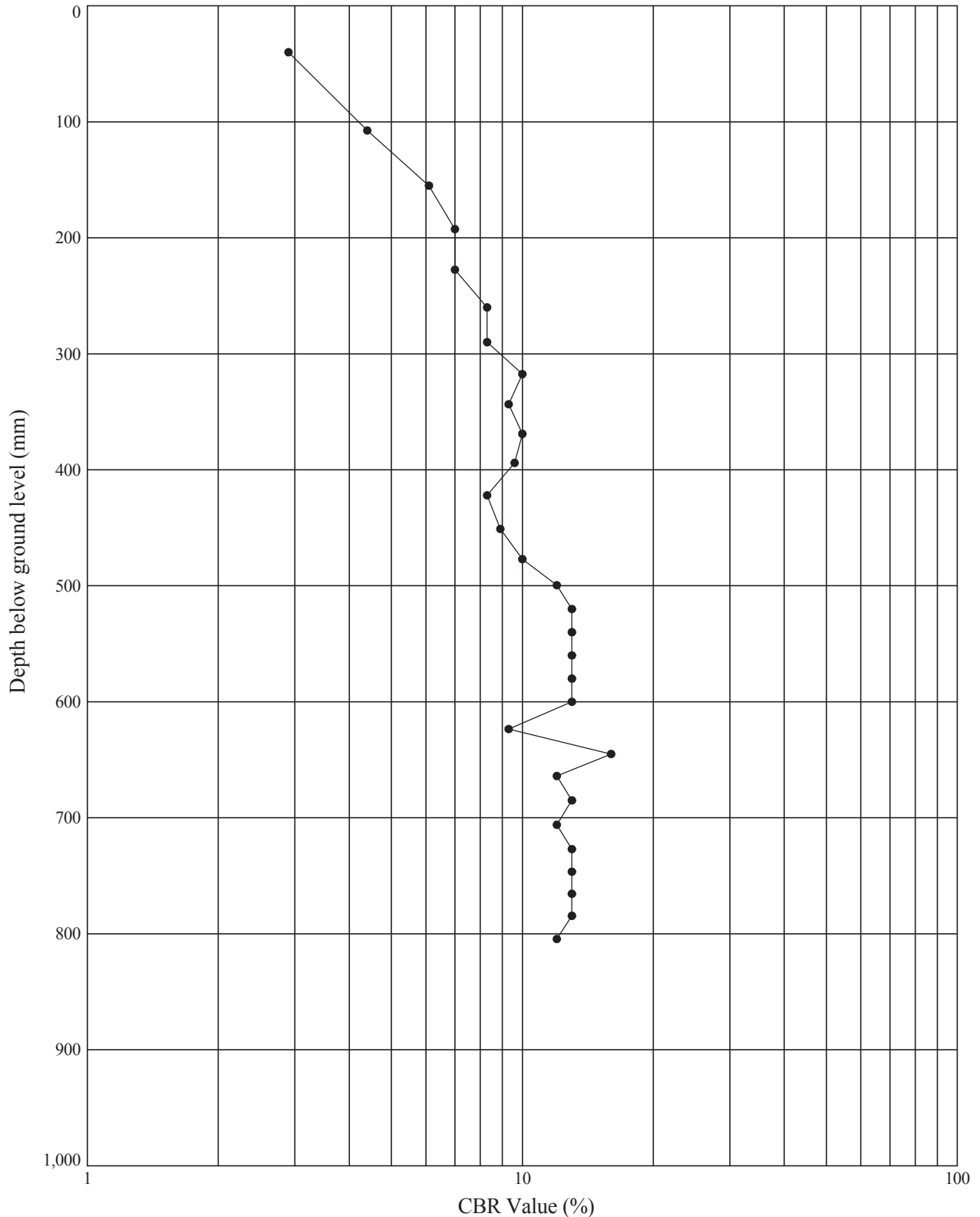
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR46**

Test Date : **12.04.13**

Ground Level (m AOD): **6.49**

National Grid Co-ordinates: **E:337356.1 N:153595.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Biddisham.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

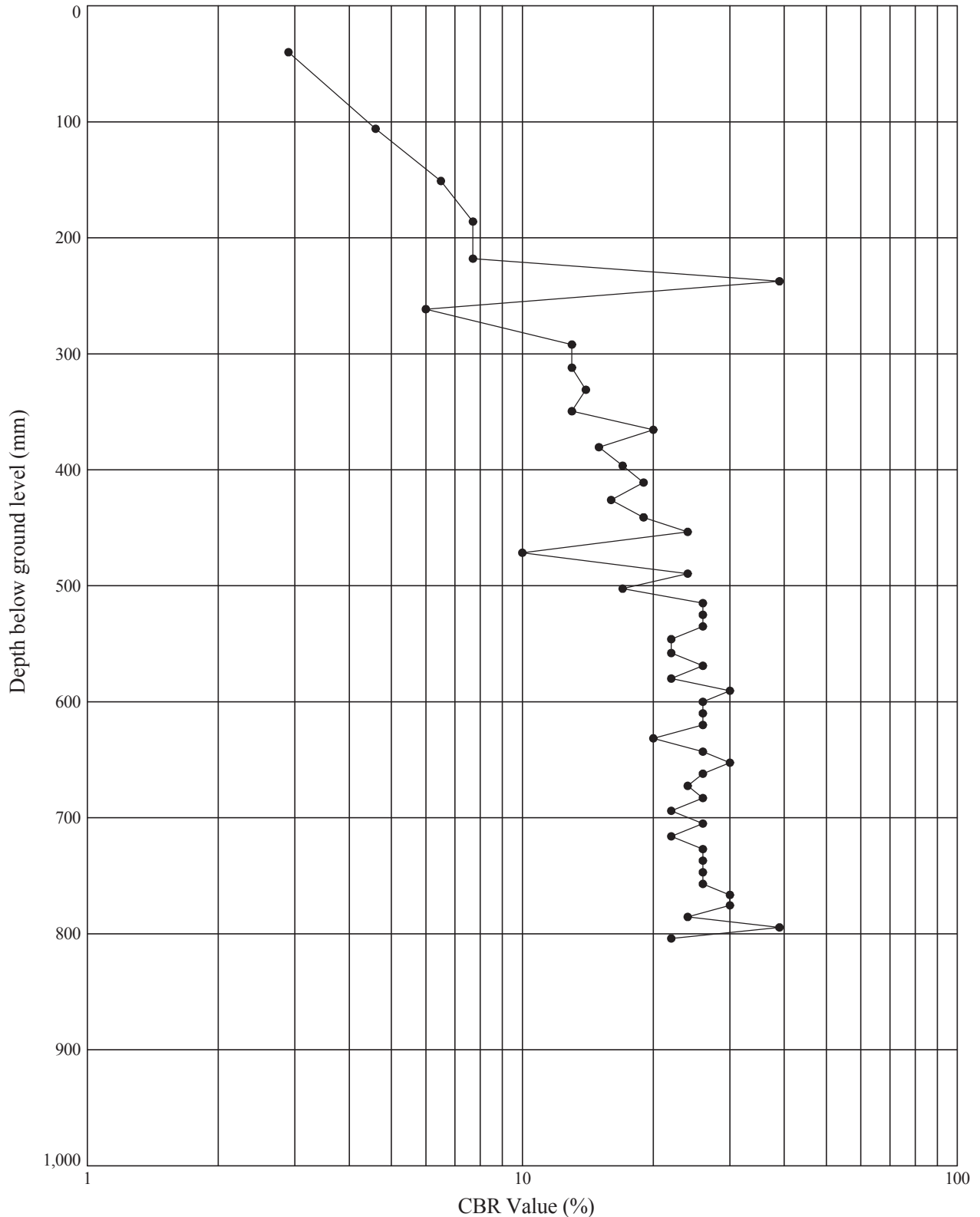
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR47**

Test Date : **12.04.13**

Ground Level (m AOD): **5.87**

National Grid Co-ordinates: **E:337304.6 N:154425.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Biddisham.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

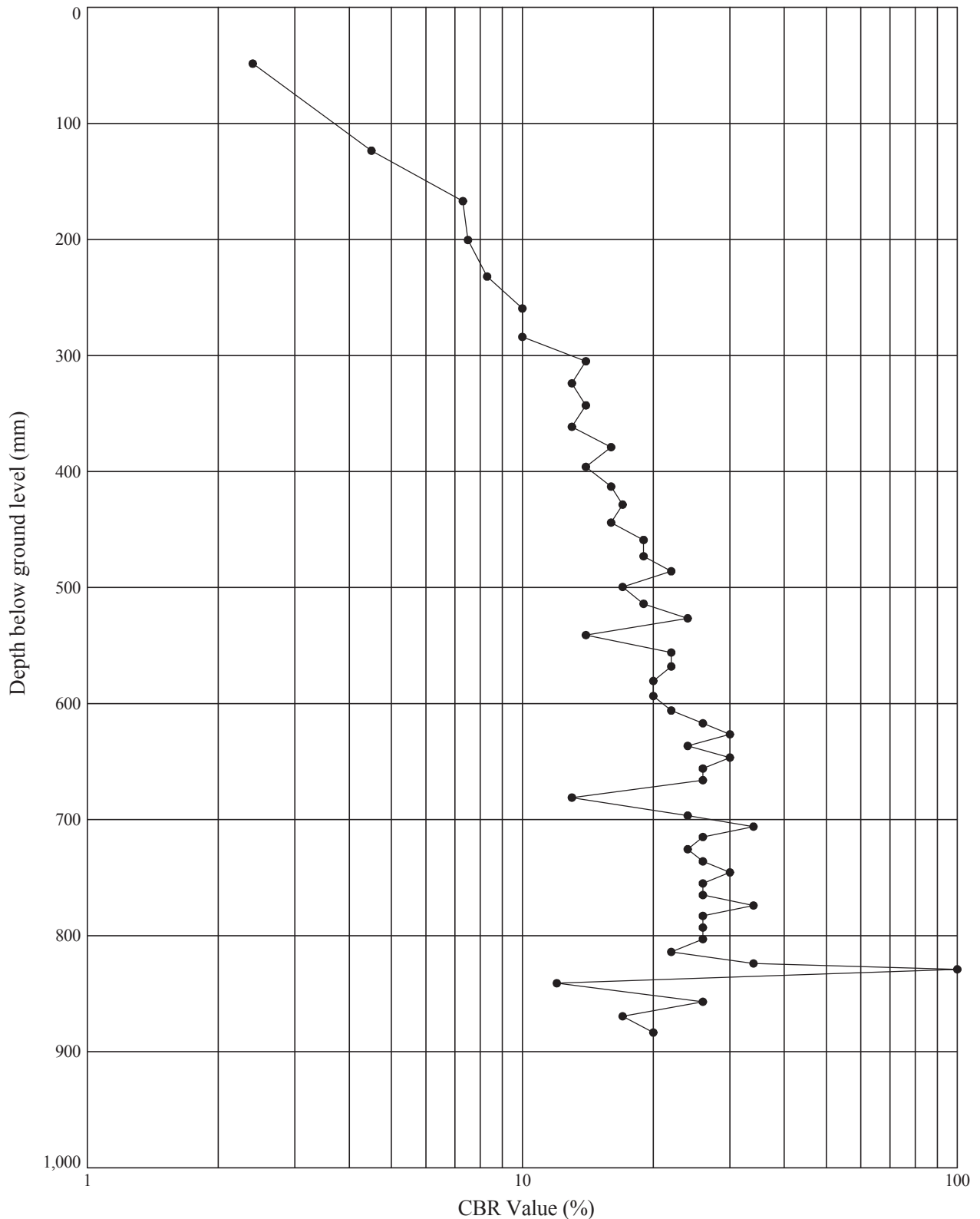
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR48**

Test Date : **12.04.13**

Ground Level (m AOD): **5.50**

National Grid Co-ordinates: **E:341587.9 N:160775.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

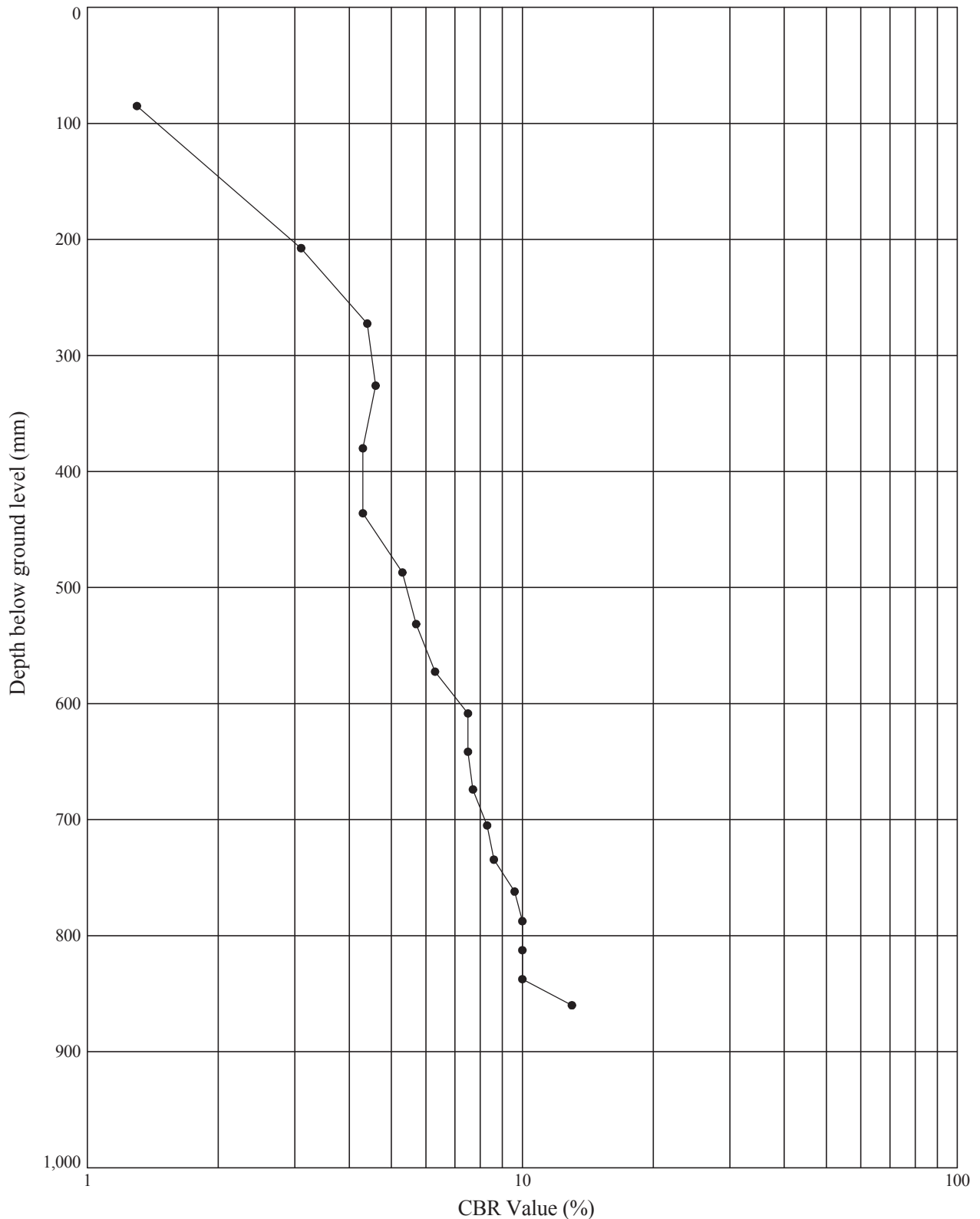
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR49**

Test Date : **12.04.13**

Ground Level (m AOD): **4.82**

National Grid Co-ordinates: **E:341621.1 N:160976.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

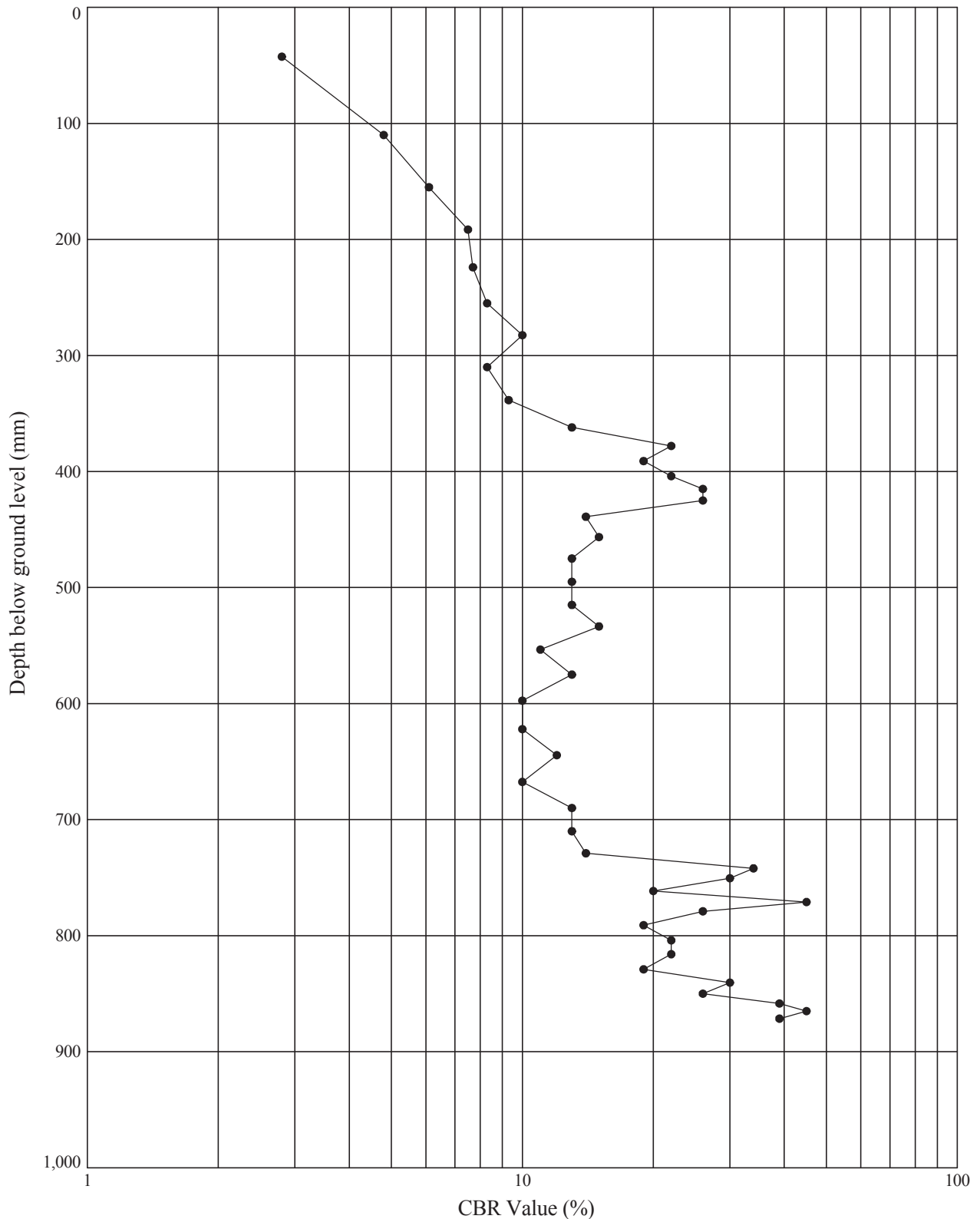
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR50**

Test Date : **12.04.13**

Ground Level (m AOD): **5.56**

National Grid Co-ordinates: **E:341752.7 N:161433.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field. Location: Nye / Puxton.



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Date

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Contract Ref:

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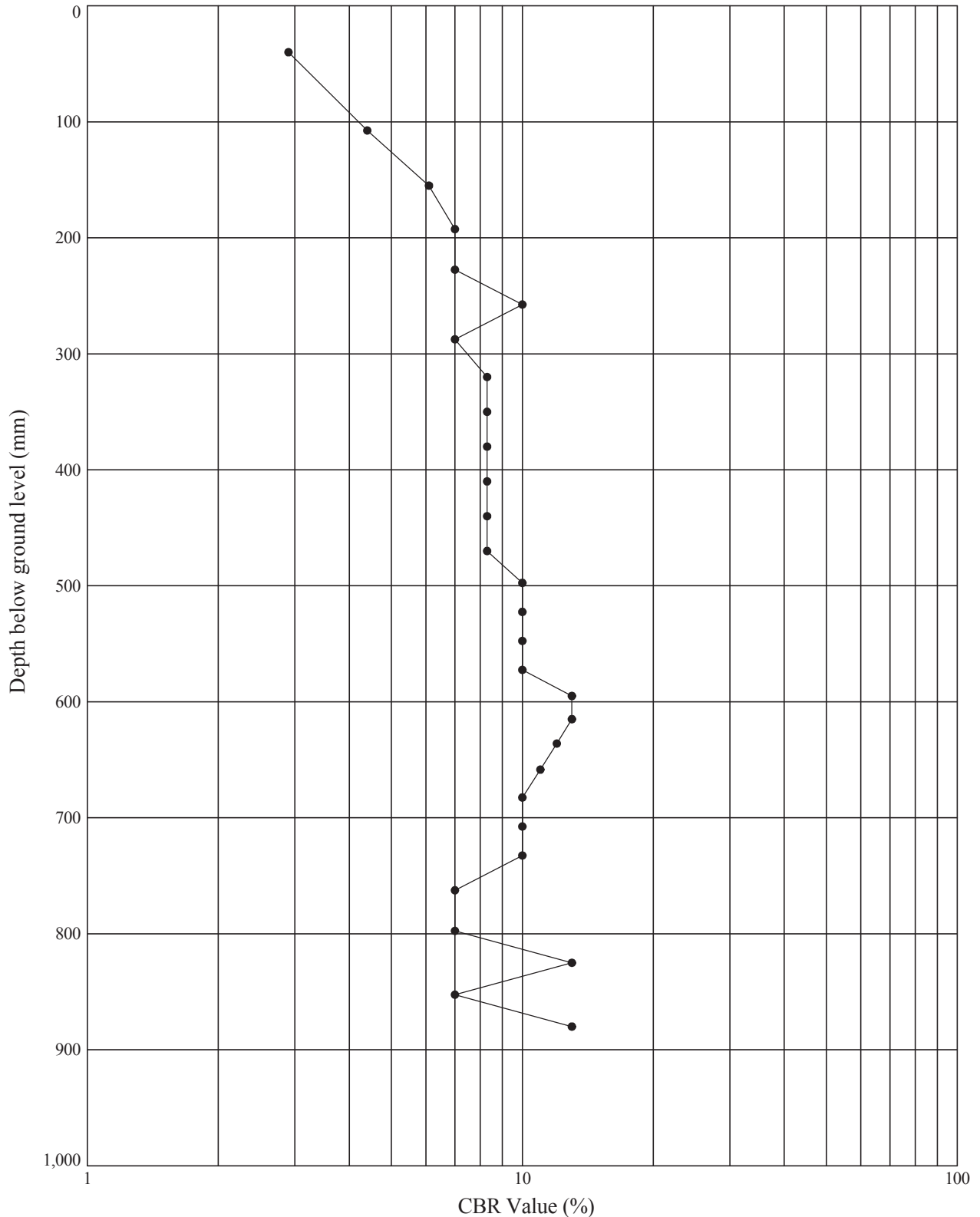
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR51**

Test Date : **08.04.13**

Ground Level (m AOD): **4.70**

National Grid Co-ordinates: **E:341835.8 N:161869.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

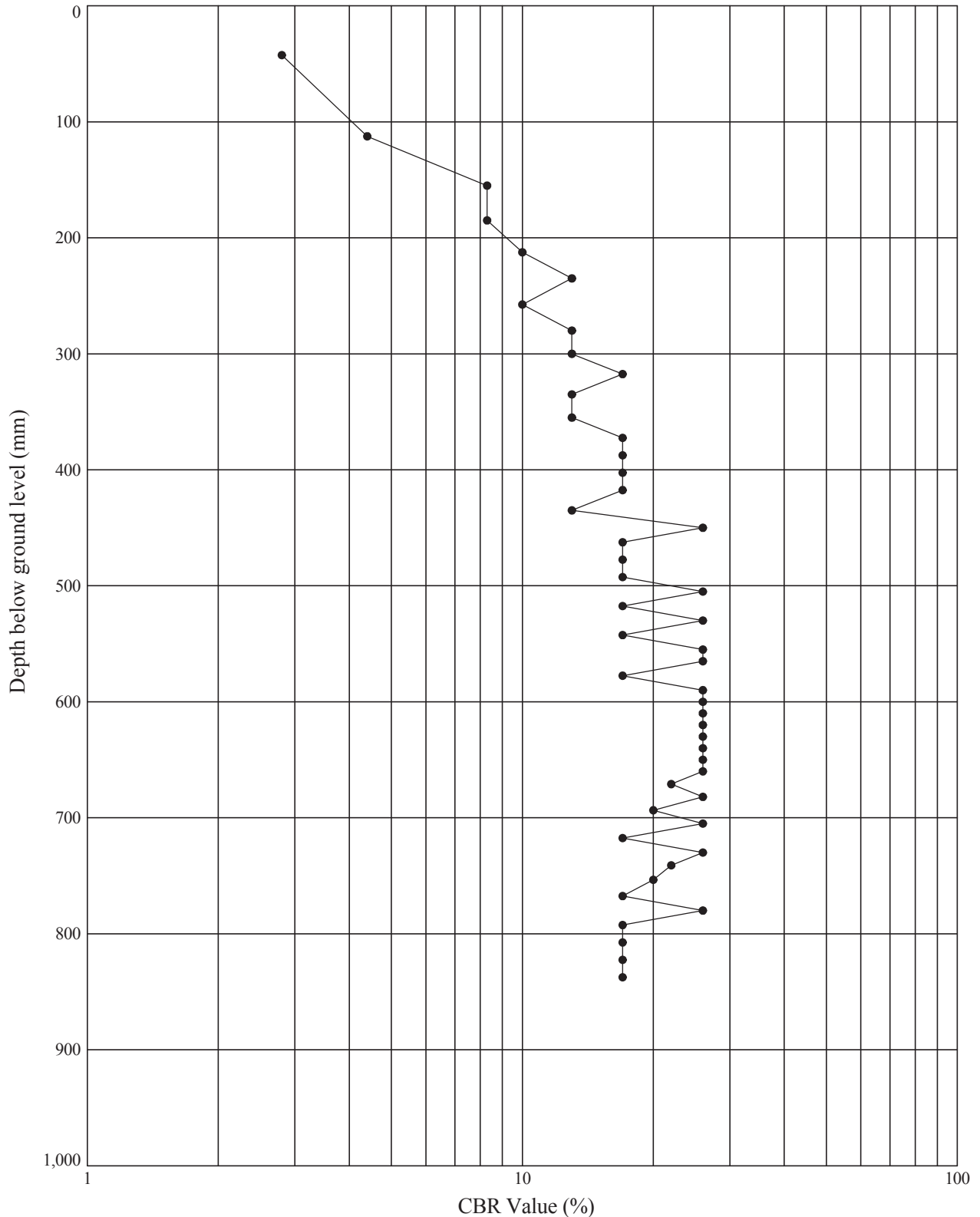
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR52**

Test Date : **08.04.13**

Ground Level (m AOD): **5.16**

National Grid Co-ordinates: **E:341879.3 N:162281.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

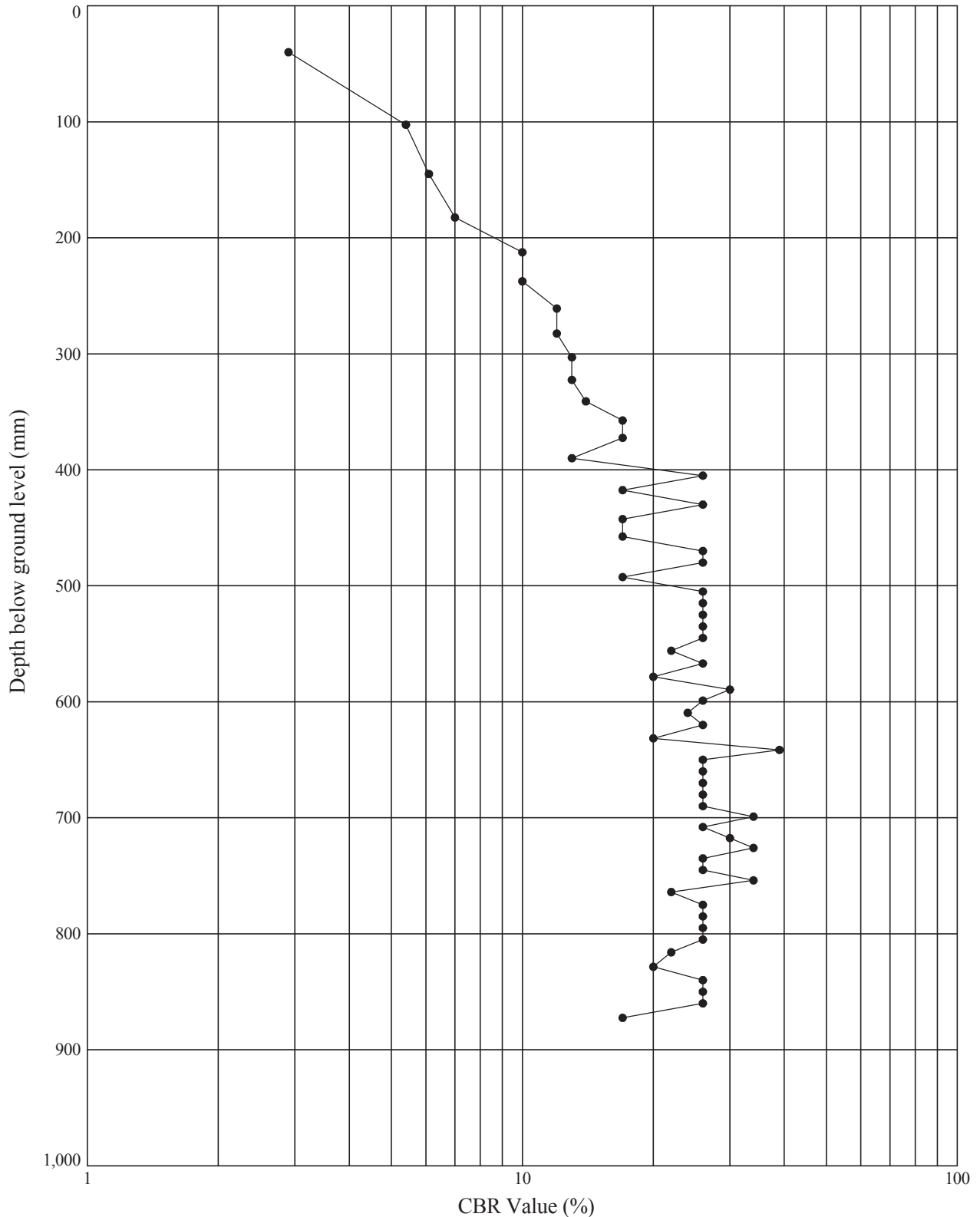
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR53**

Test Date : **08.04.13**

Ground Level (m AOD): **4.51**

National Grid Co-ordinates: **E:341838.4 N:162905.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

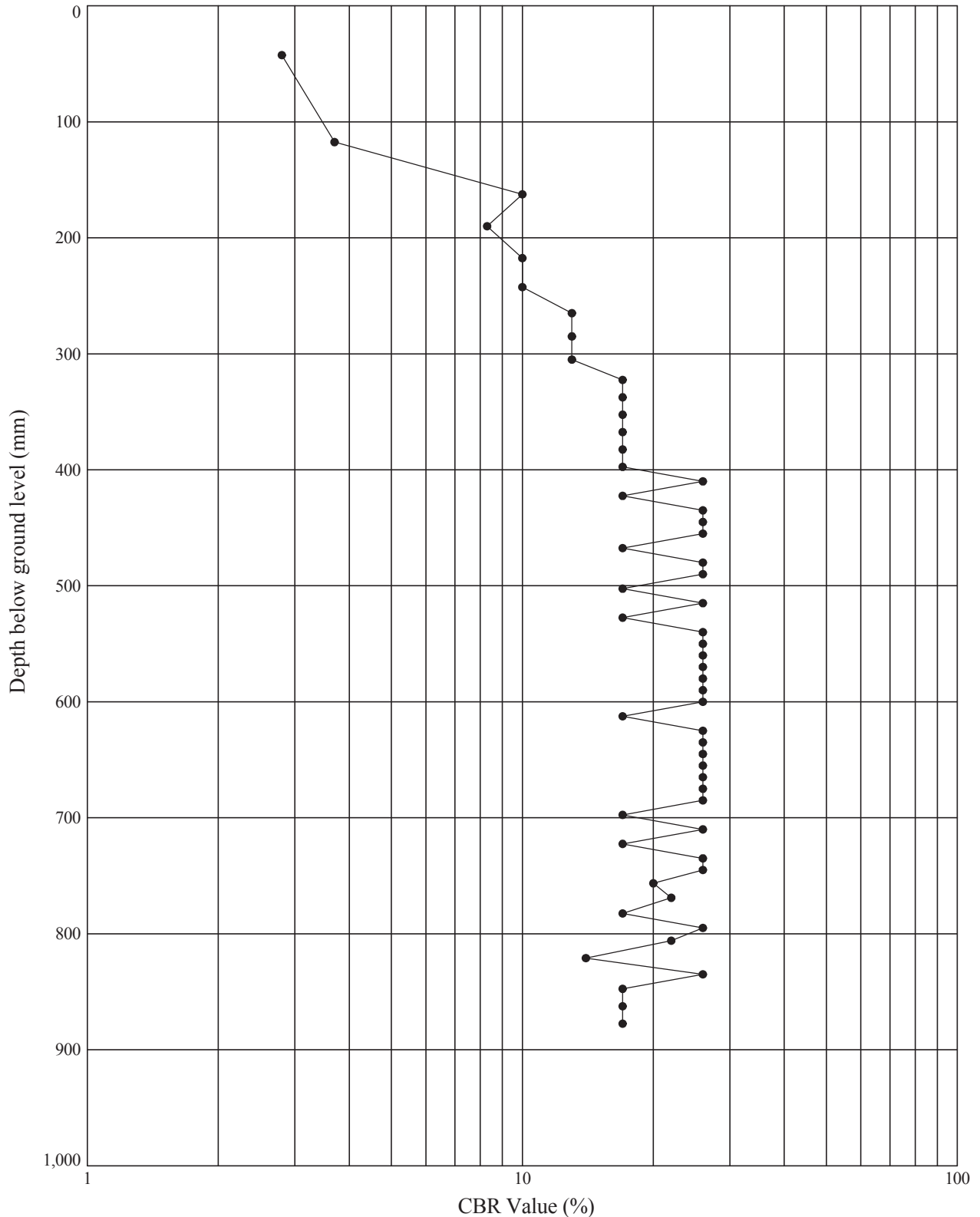
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR54**

Test Date : **08.04.13**

Ground Level (m AOD): **4.27**

National Grid Co-ordinates: **E:341802.9 N:163550.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

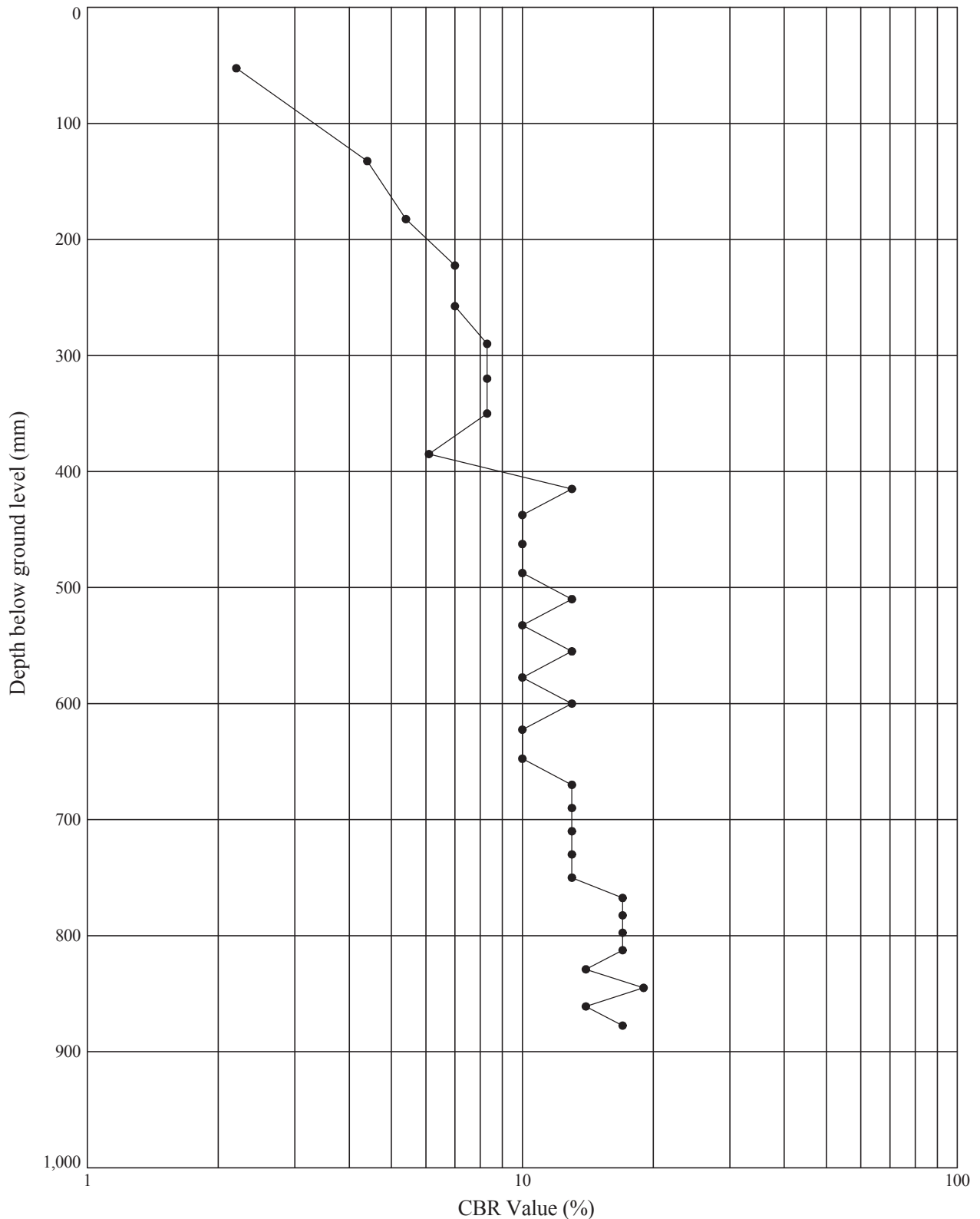
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR55**

Test Date : **08.04.13**

Ground Level (m AOD): **4.61**

National Grid Co-ordinates: **E:341754.7 N:163702.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

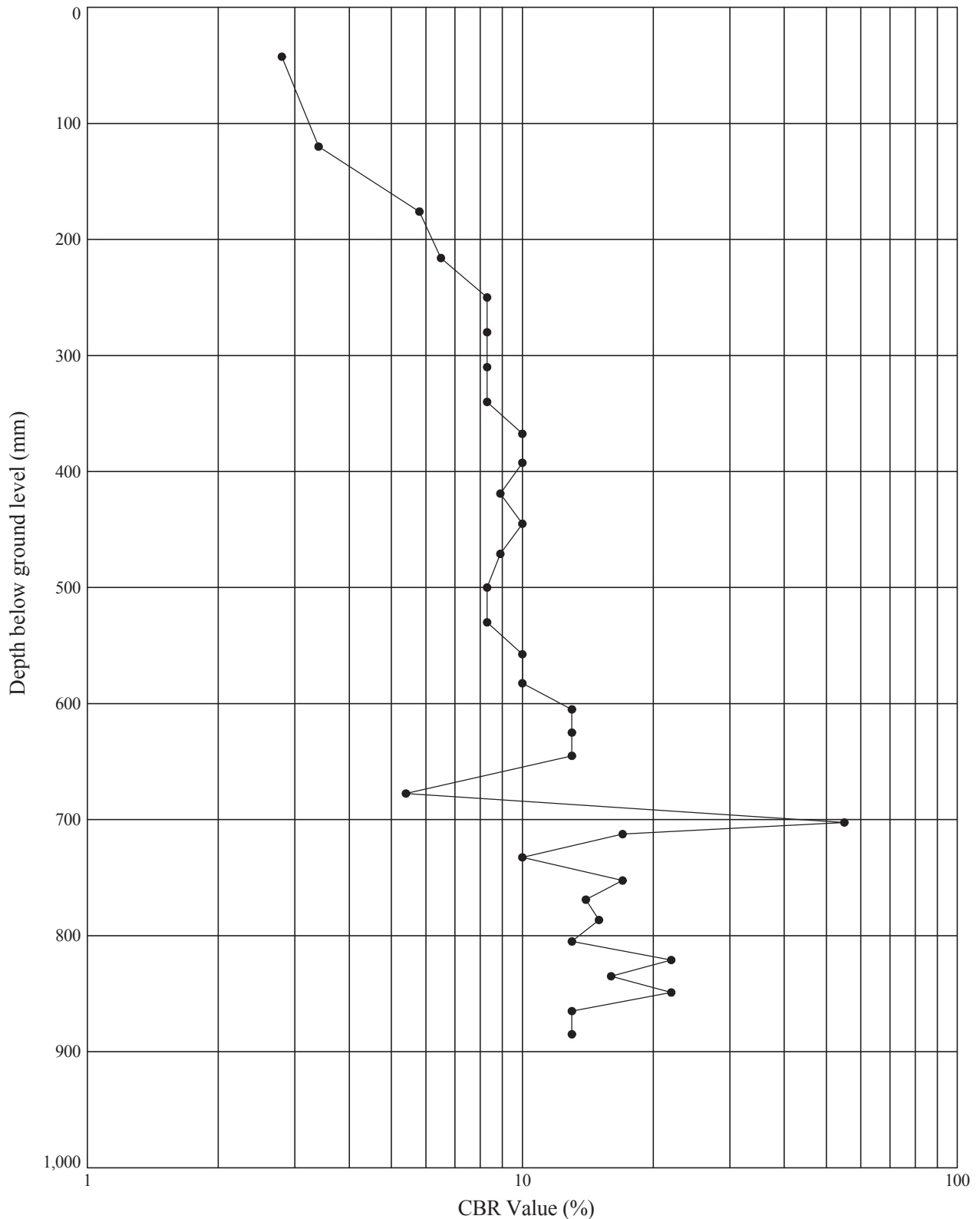
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR56**

Test Date : **08.04.13**

Ground Level (m AOD): **5.40**

National Grid Co-ordinates: **E:341717.1 N:164027.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

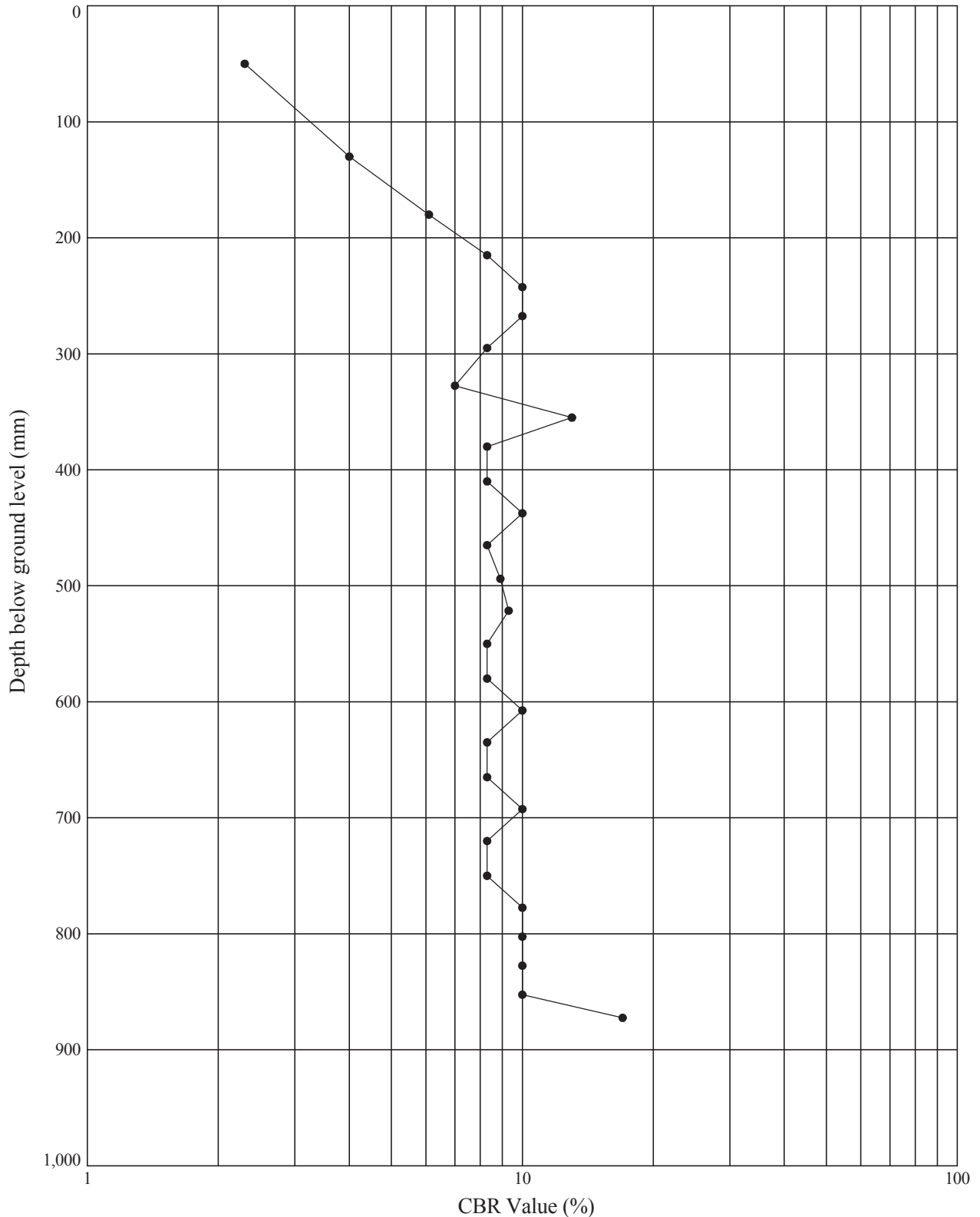
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR57**

Test Date : **08.04.13**

Ground Level (m AOD): **4.88**

National Grid Co-ordinates: **E:341673.7 N:164395.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nye / Puxton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

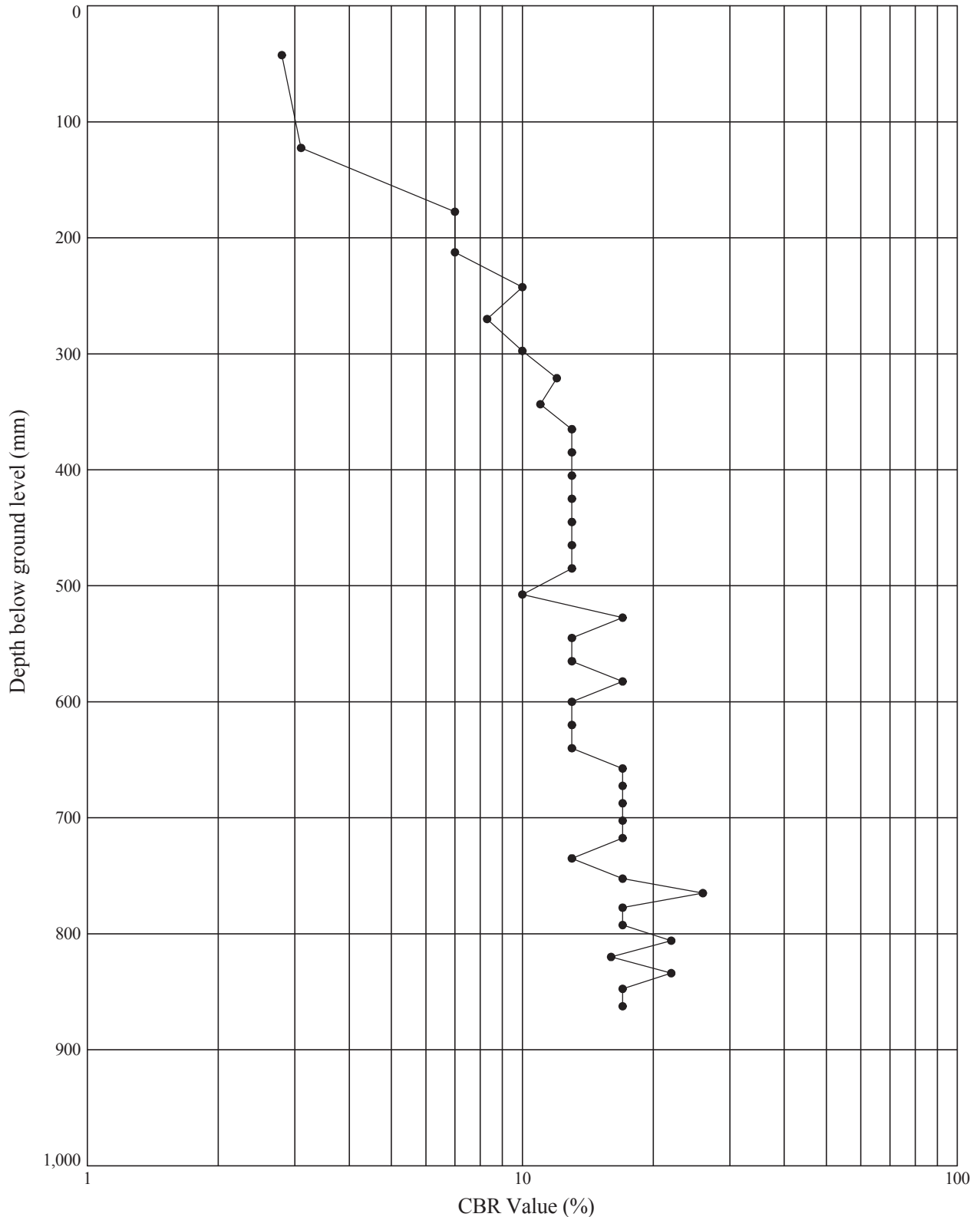
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR58**

Test Date : **08.04.13**

Ground Level (m AOD): **5.14**

National Grid Co-ordinates: **E:341585.3 N:164623.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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Contract Ref:

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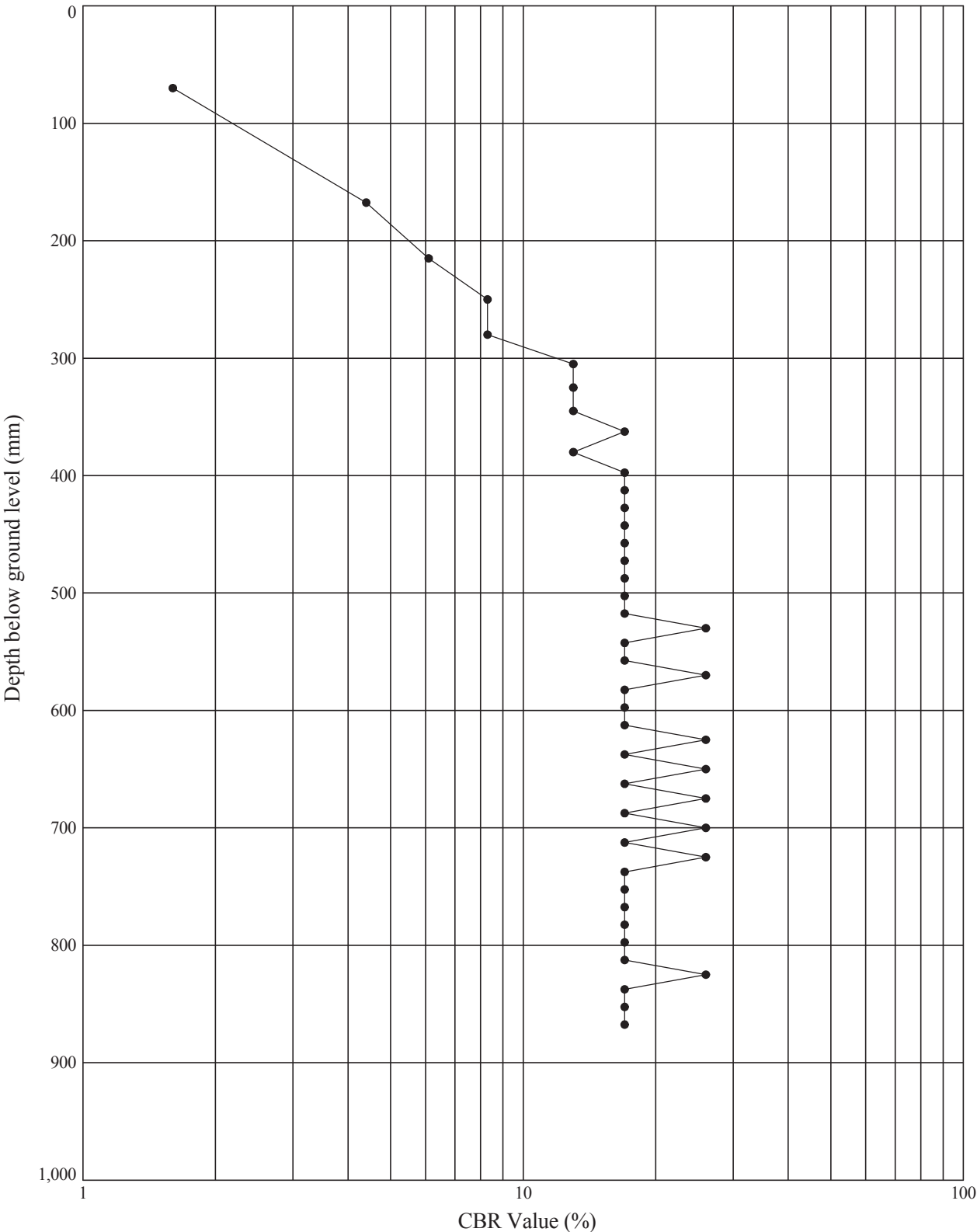
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR59**

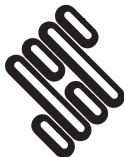
Test Date : **08.04.13**

Ground Level (m AOD): **5.27**

National Grid Co-ordinates: **E:341592.4 N:164967.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

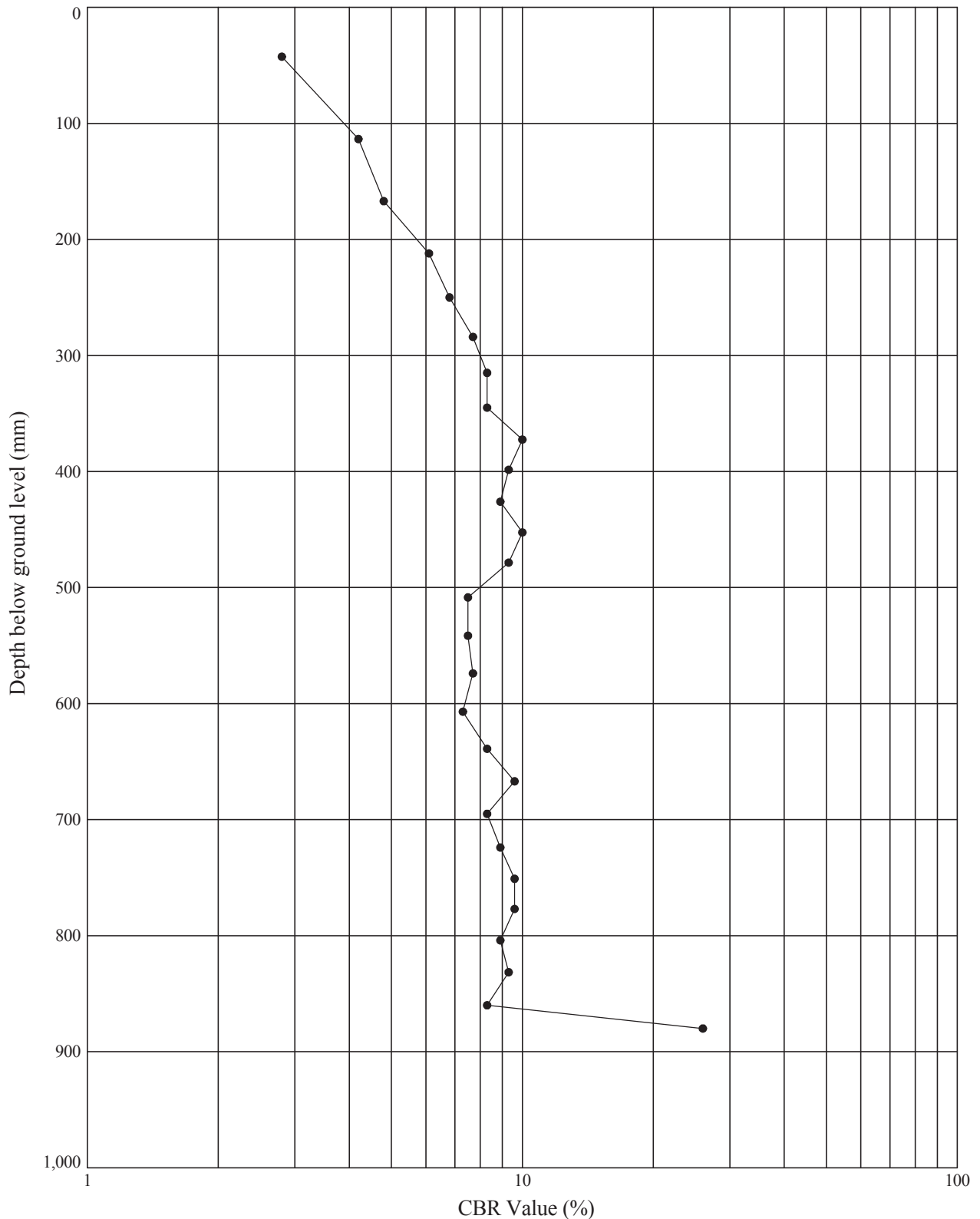
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR60**

Test Date : **08.04.13**

Ground Level (m AOD): **5.37**

National Grid Co-ordinates: **E:341527.2 N:165181.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

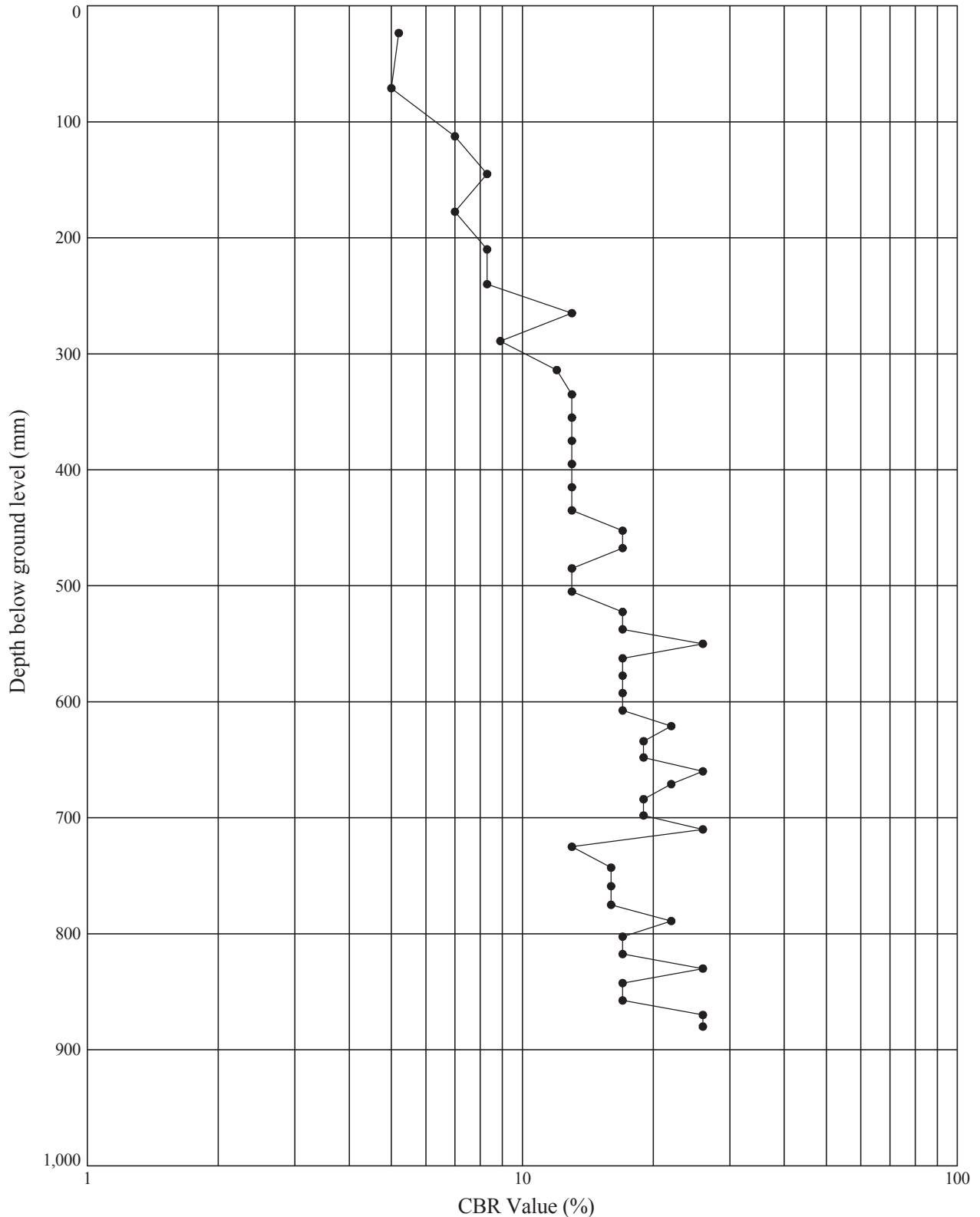
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR61**

Test Date : **08.04.13**

Ground Level (m AOD): **5.34**

National Grid Co-ordinates: **E:341410.7 N:165670.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

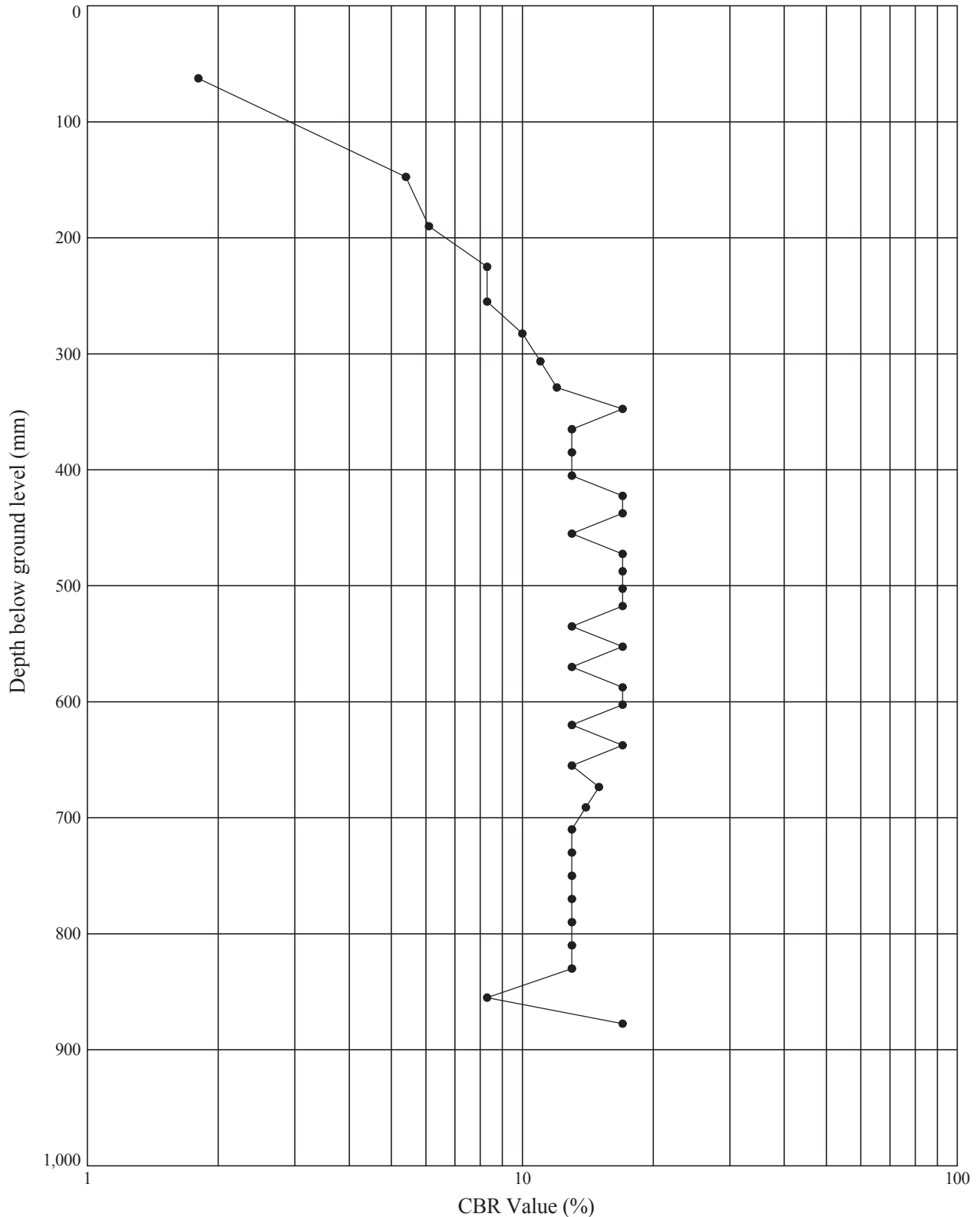
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR62**

Test Date : **08.04.13**

Ground Level (m AOD): **5.53**

National Grid Co-ordinates: **E:341356.6 N:165839.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

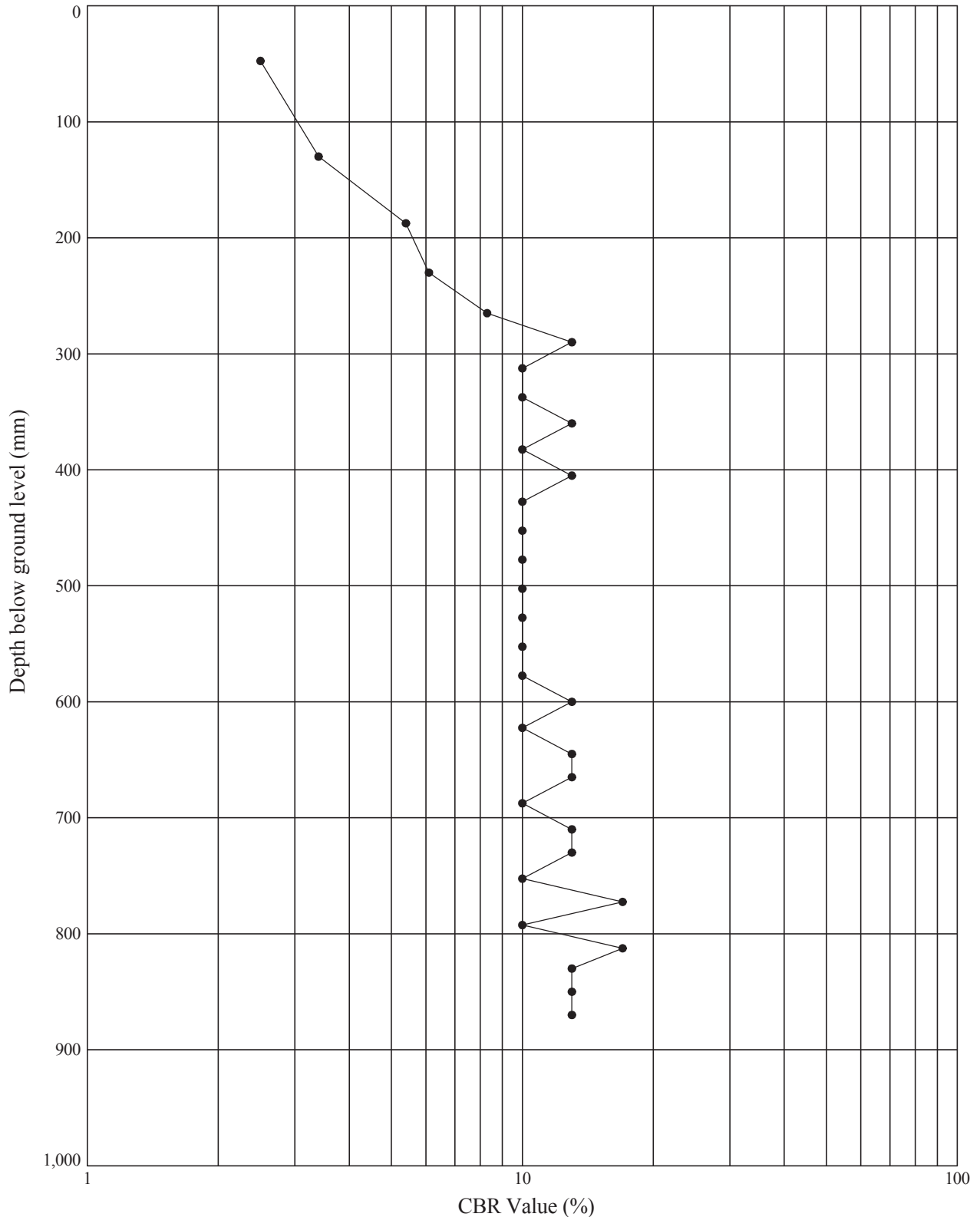
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR63**

Test Date : **09.04.13**

Ground Level (m AOD): **5.33**

National Grid Co-ordinates: **E:341273.1 N:166159.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

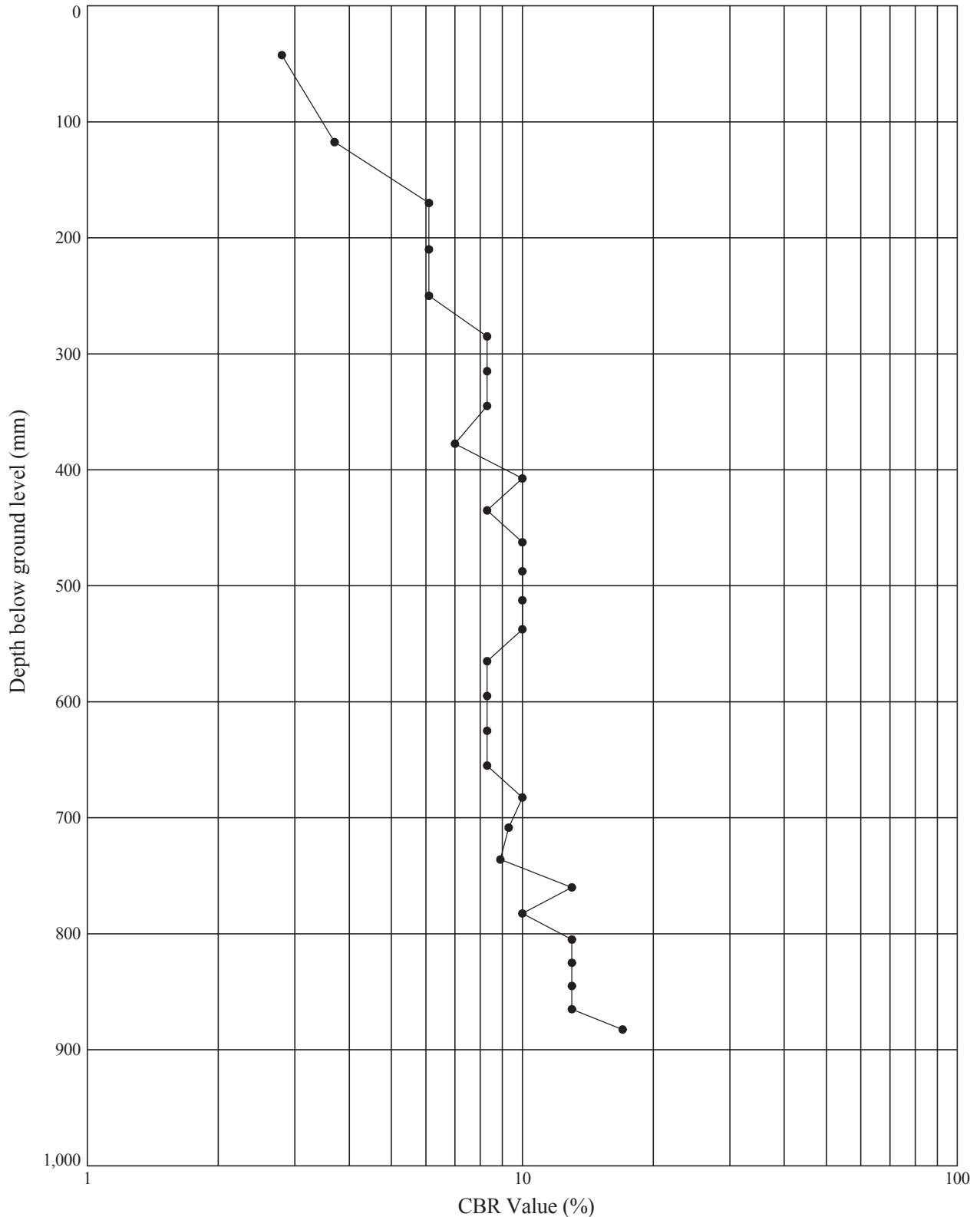
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR64**

Test Date : **09.04.13**

Ground Level (m AOD): **5.63**

National Grid Co-ordinates: **E:341149.9 N:166551.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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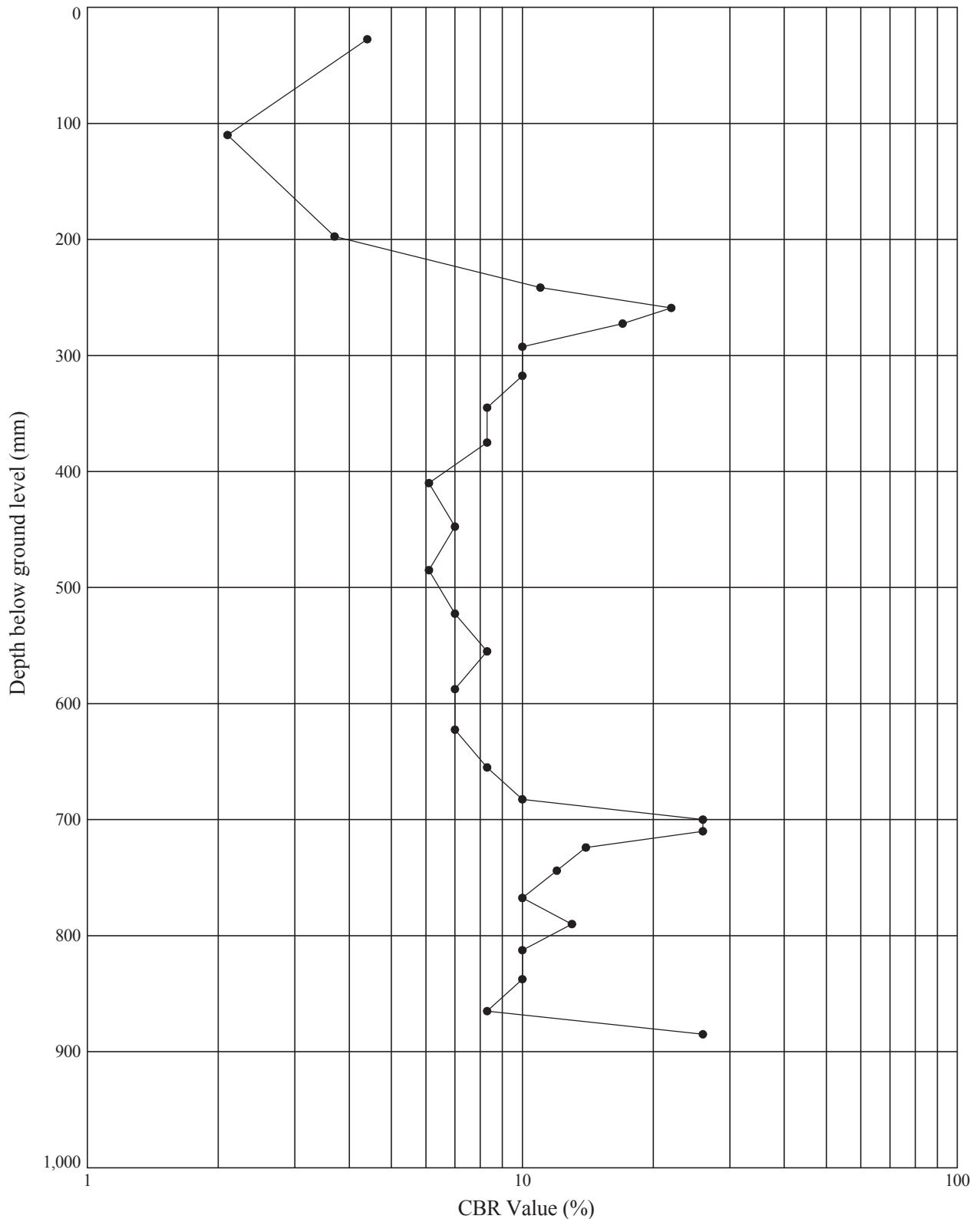
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR65**

Test Date : **09.04.13**

Ground Level (m AOD): **5.66**

National Grid Co-ordinates: **E:341039.5 N:166918.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in ploughed field. Location: Yatton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

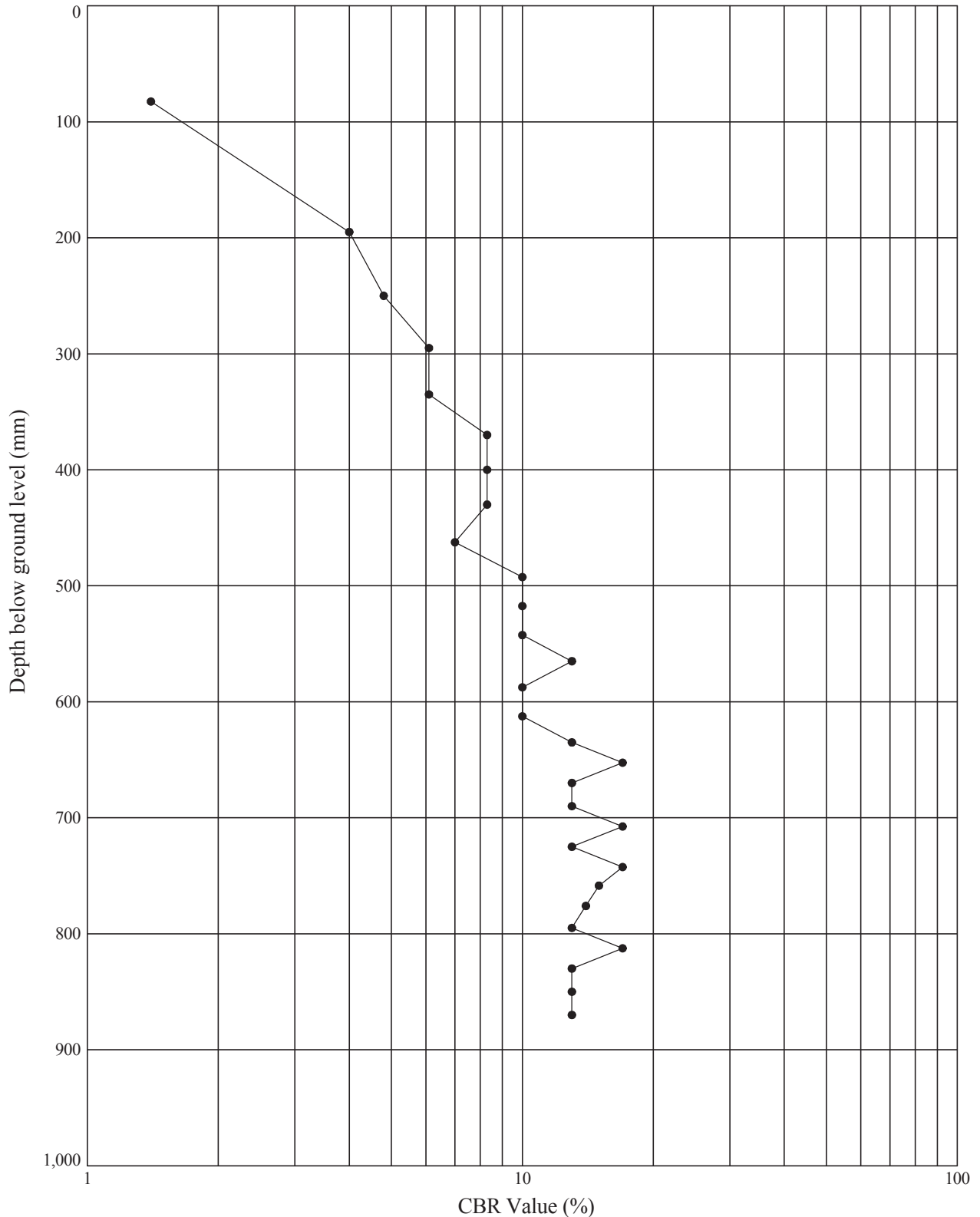
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR66**

Test Date : **09.04.13**

Ground Level (m AOD): **5.59**

National Grid Co-ordinates: **E:340944.7 N:167020.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in stubble field. Location: Yatton.



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Contract Ref:

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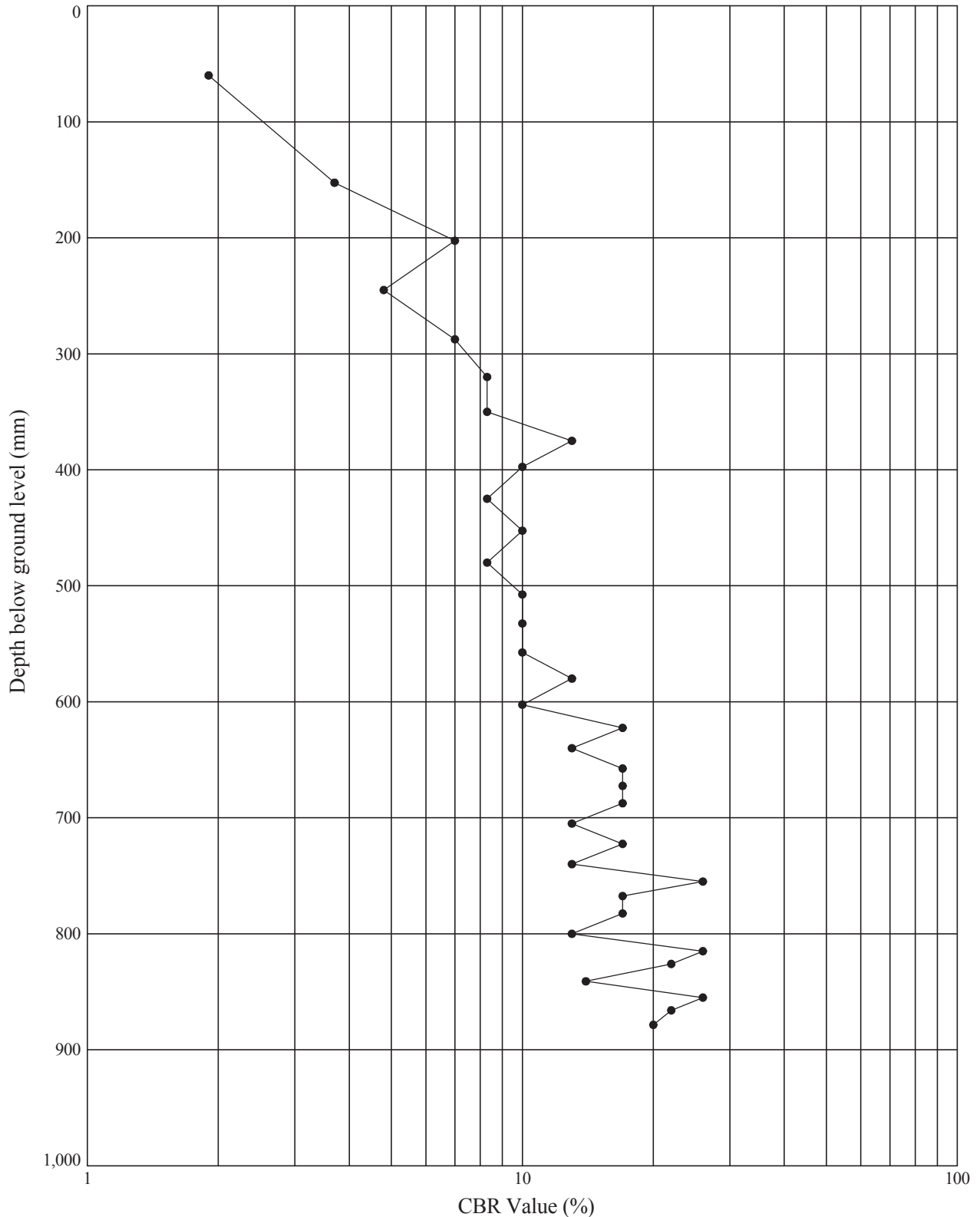
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR67**

Test Date : **09.04.13**

Ground Level (m AOD): **5.44**

National Grid Co-ordinates: **E:341254.0 N:167375.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Yatton.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

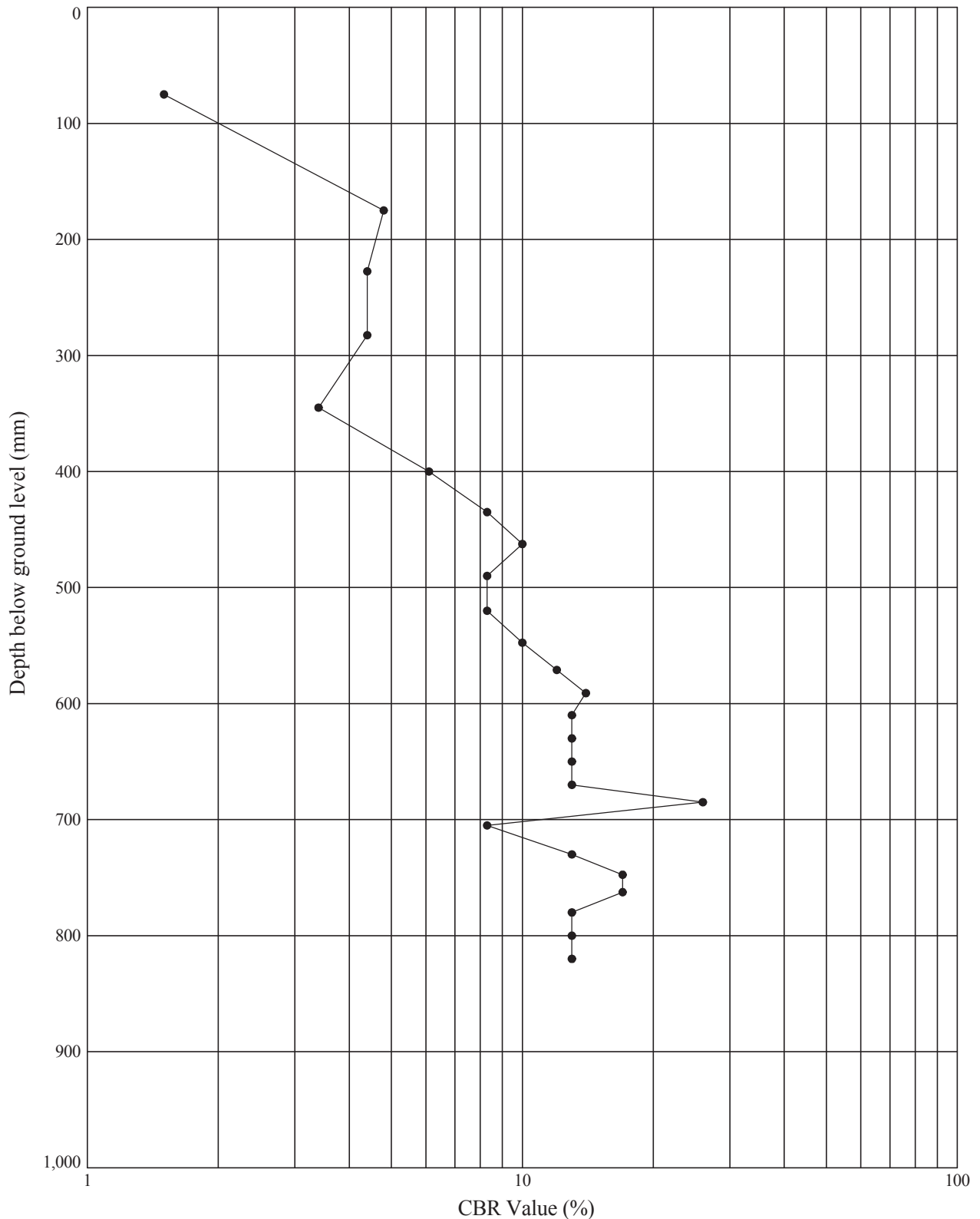
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR68**

Test Date : **09.04.13**

Ground Level (m AOD): **5.86**

National Grid Co-ordinates: **E:341822.5 N:167752.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Freshly sown. Location: Kenn Moor.



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Date

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Contract:

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Contract Ref:

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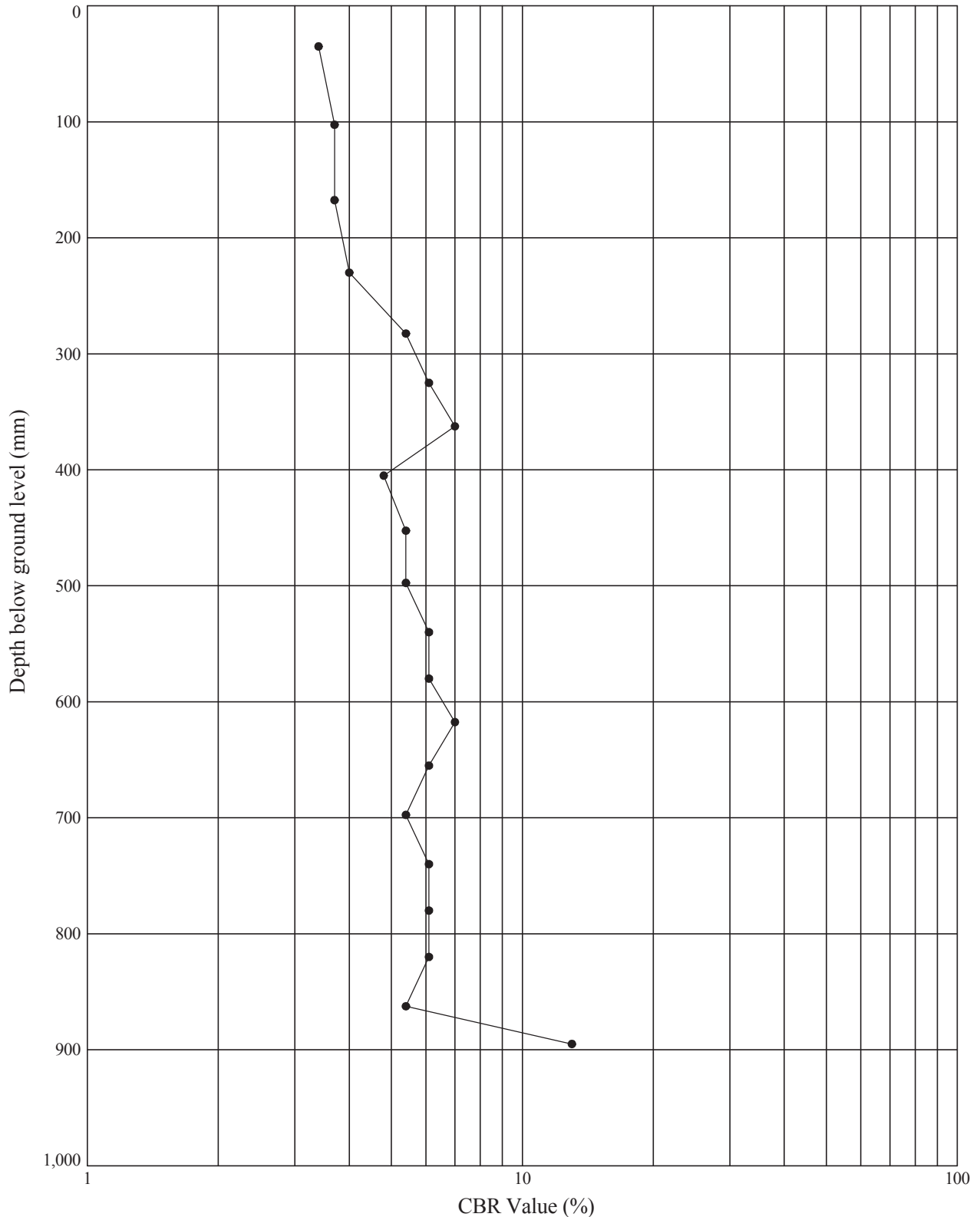
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR69**

Test Date : **09.04.13**

Ground Level (m AOD): **5.70**

National Grid Co-ordinates: **E:342029.9 N:167883.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
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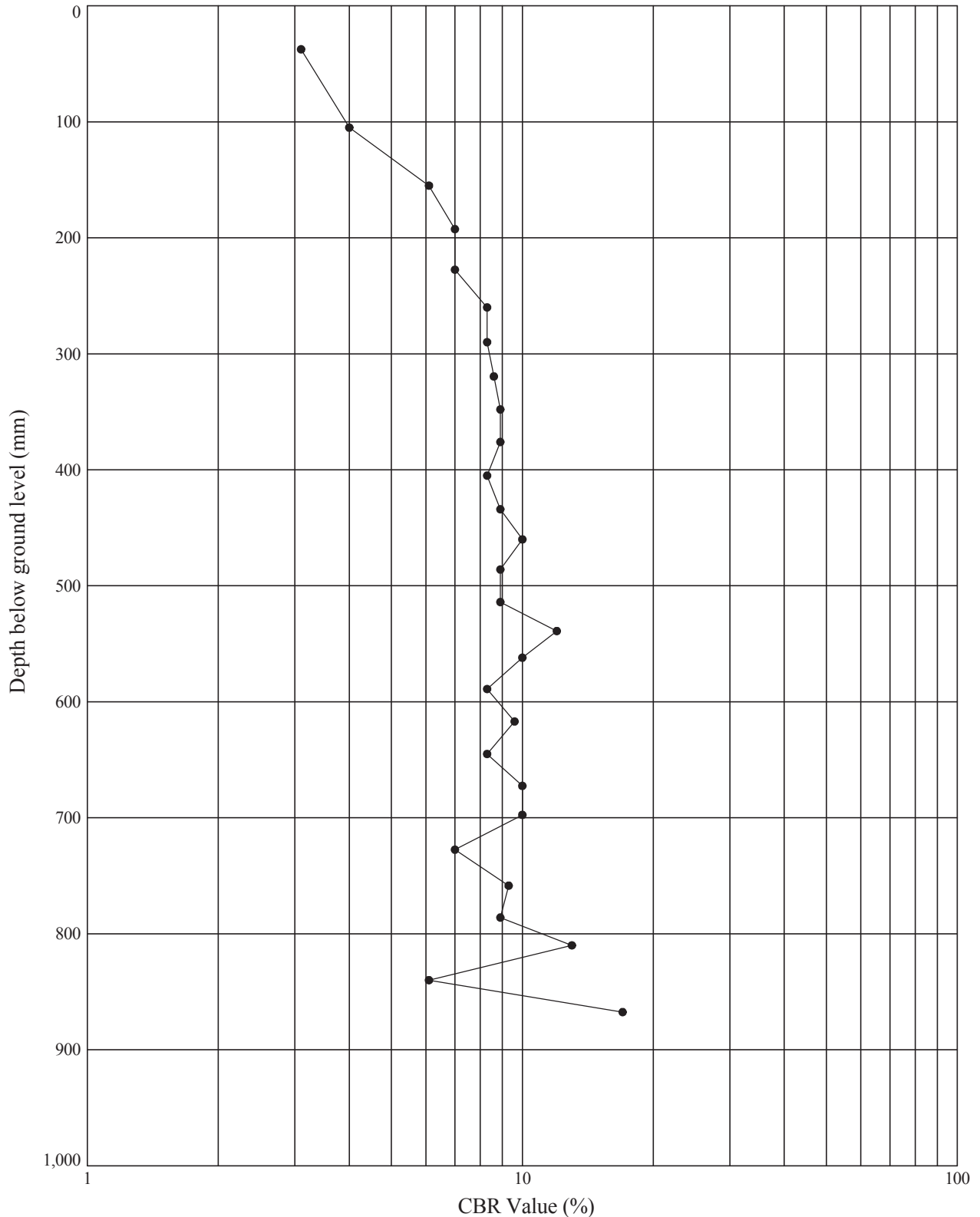
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR70**

Test Date : **09.04.13**

Ground Level (m AOD): **5.08**

National Grid Co-ordinates: **E:342385.6 N:168152.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
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Hinkley to Seabank 400kV Connection		727635	

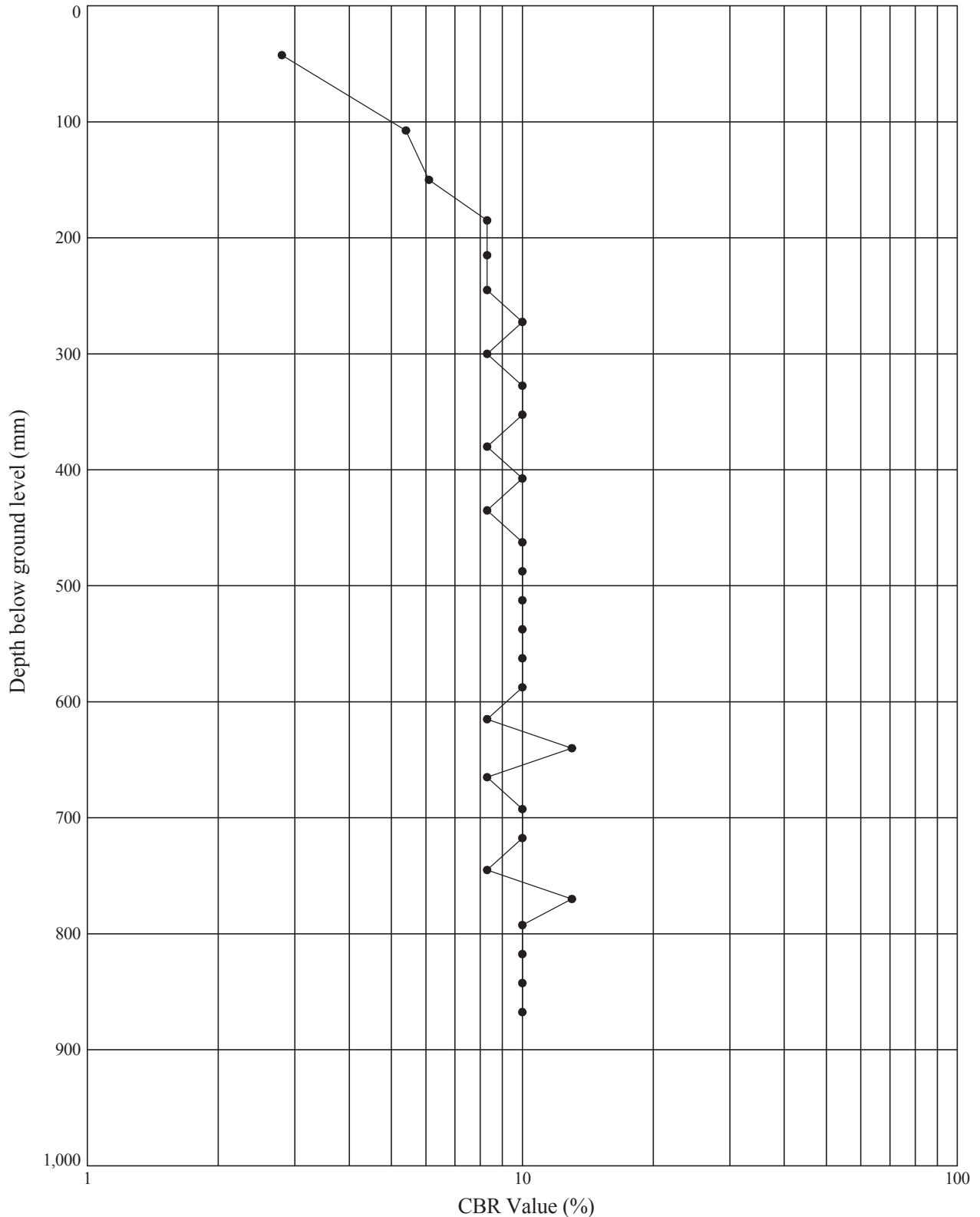
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR71**

Test Date : **09.04.13**

Ground Level (m AOD): **4.60**

National Grid Co-ordinates: **E:342828.7 N:168468.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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[Redacted]	17/10/13	[Redacted]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

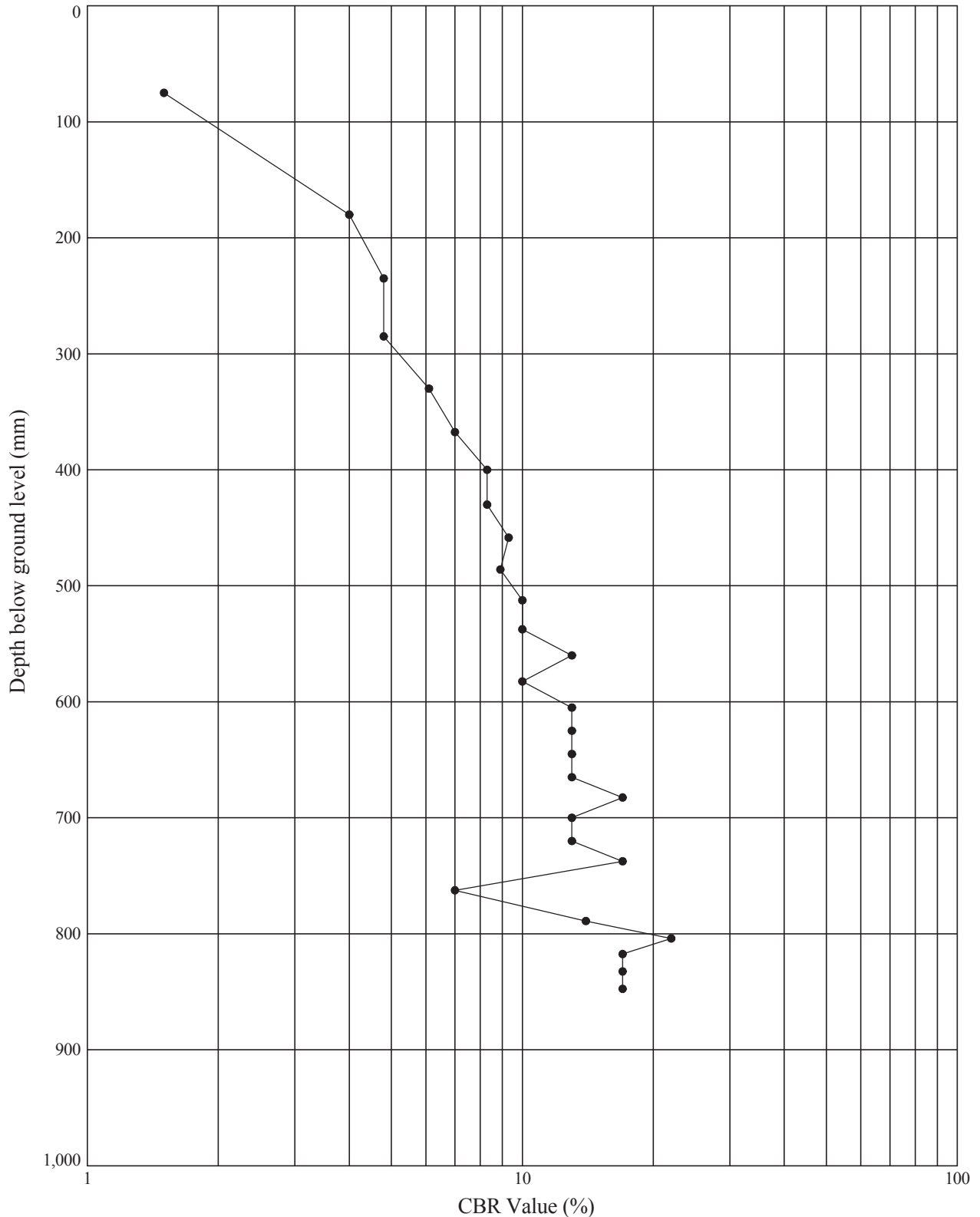
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR72**

Test Date : **09.04.13**

Ground Level (m AOD): **4.04**

National Grid Co-ordinates: **E:343288.0 N:168788.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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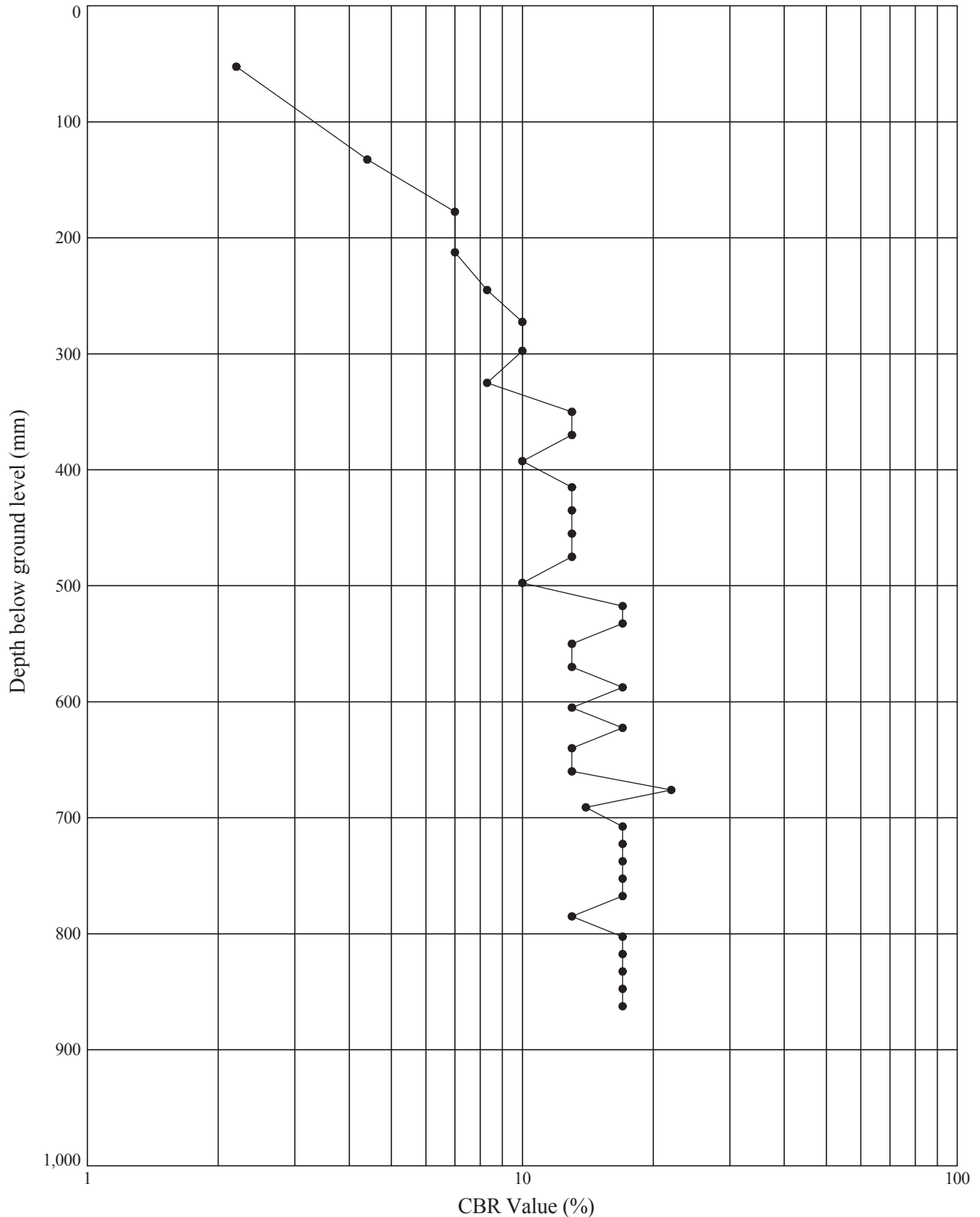
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR73**

Test Date : **10.04.13**

Ground Level (m AOD): **4.39**

National Grid Co-ordinates: **E:343681.2 N:169210.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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Contract Ref:

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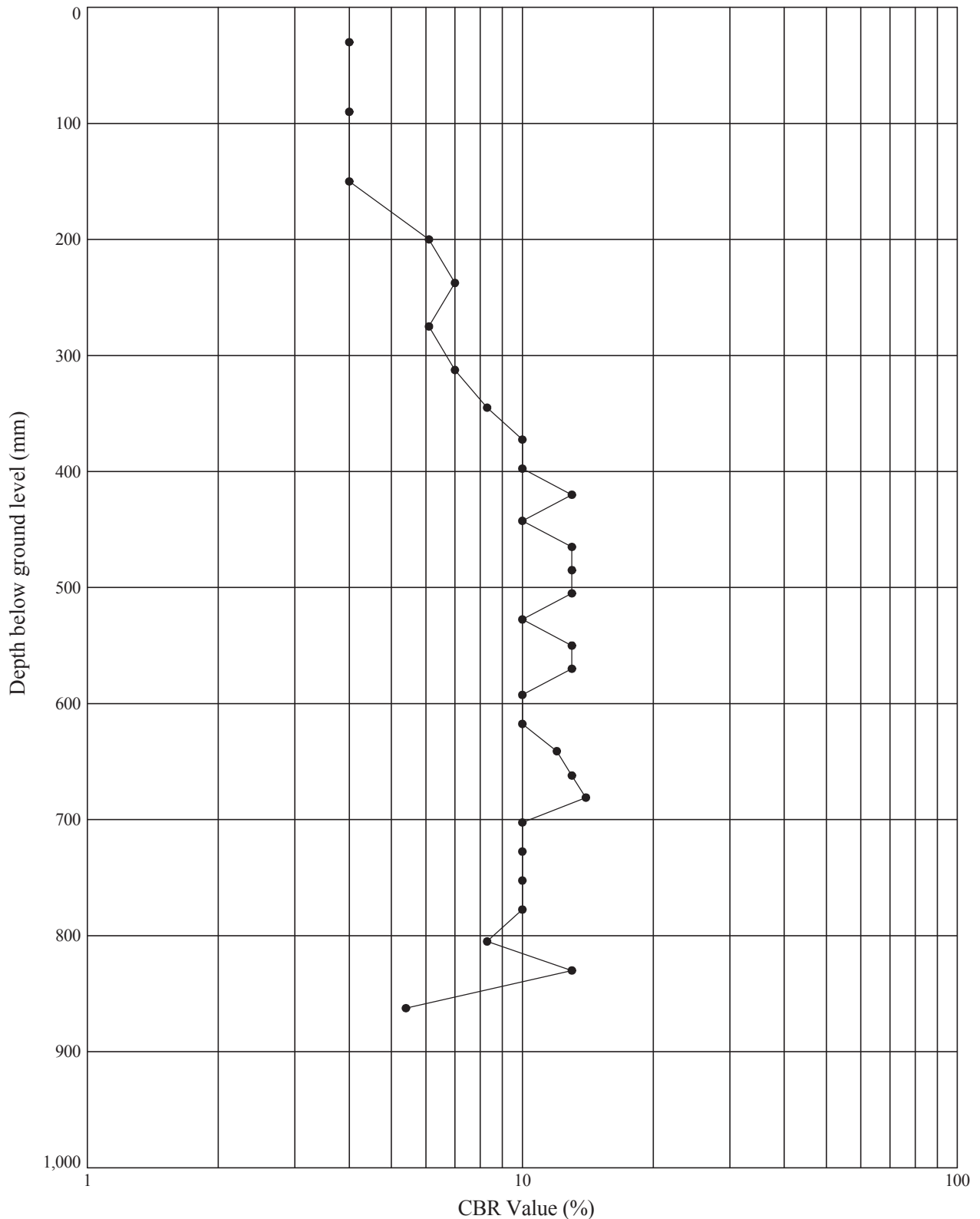
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR74**

Test Date : **09.04.13**

Ground Level (m AOD): **4.62**

National Grid Co-ordinates: **E:343826.5 N:169371.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Kenn Moor.



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Contract Ref:

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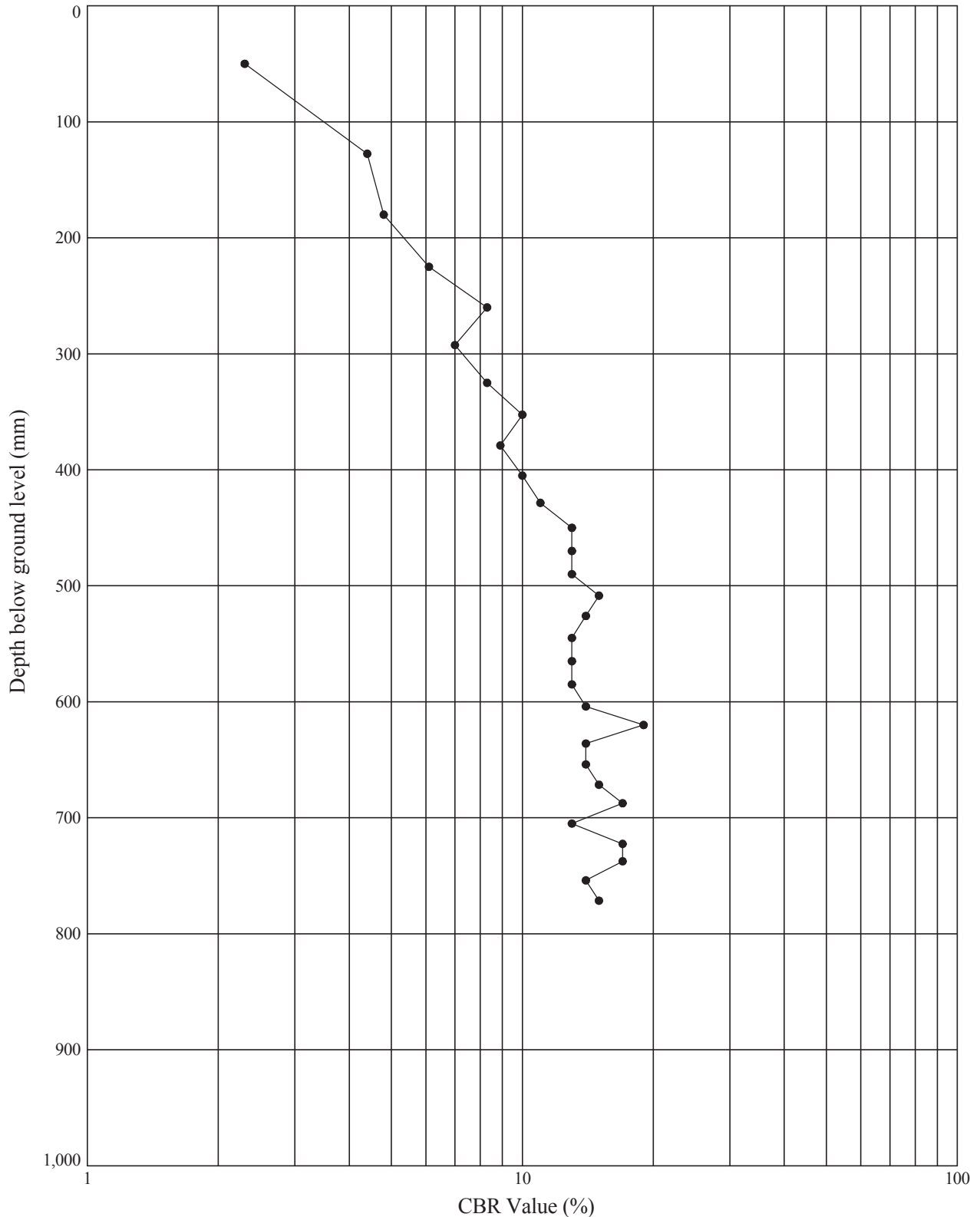
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR75**

Test Date : **10.04.13**

Ground Level (m AOD): **4.49**

National Grid Co-ordinates: **E:344230.1 N:169402.0**

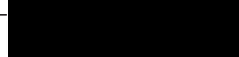


Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted adjacent to bank beside track. Location: Nailsea.



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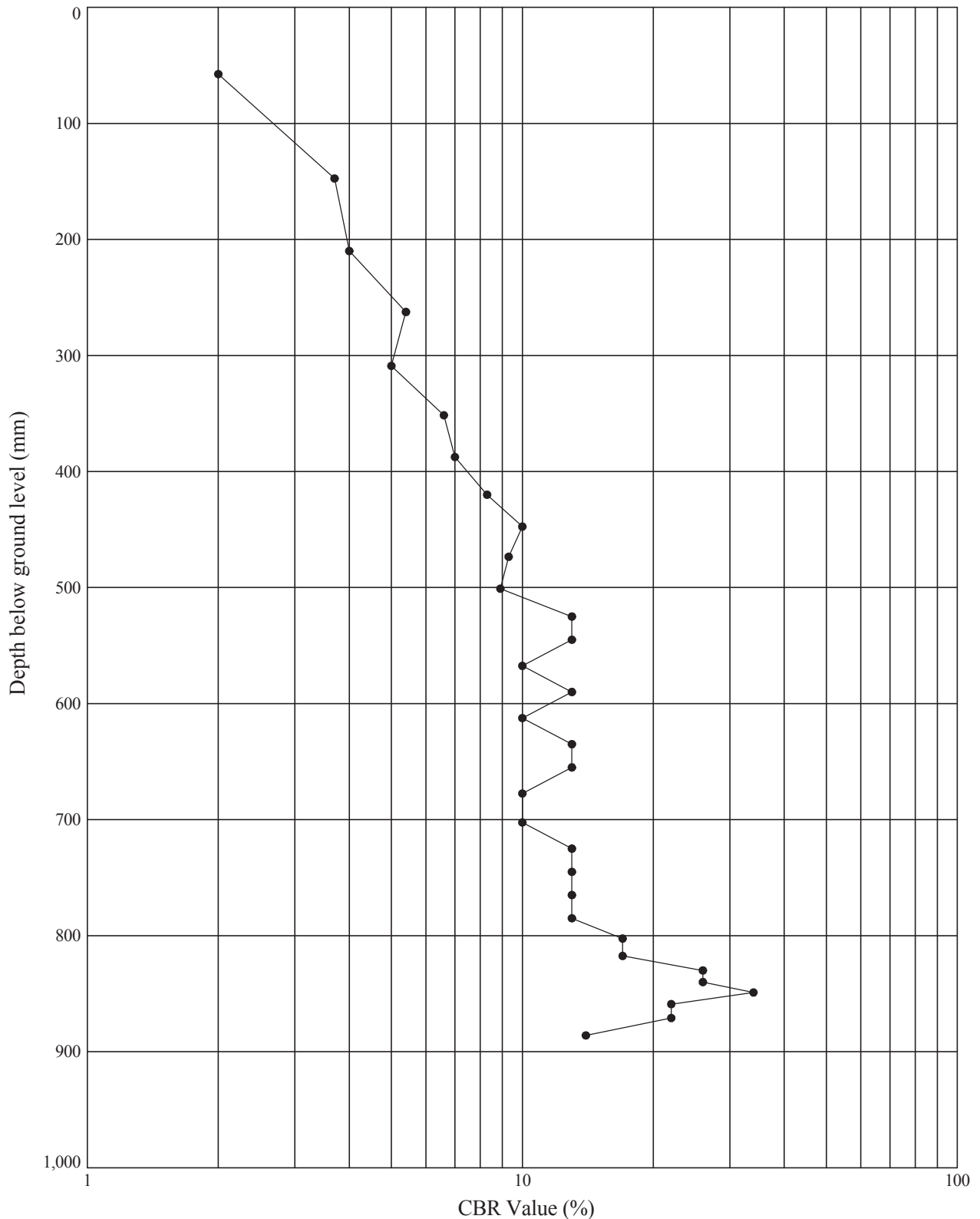
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR76**

Test Date : **10.04.13**

Ground Level (m AOD): **4.42**

National Grid Co-ordinates: **E:344530.4 N:169757.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nailsea.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

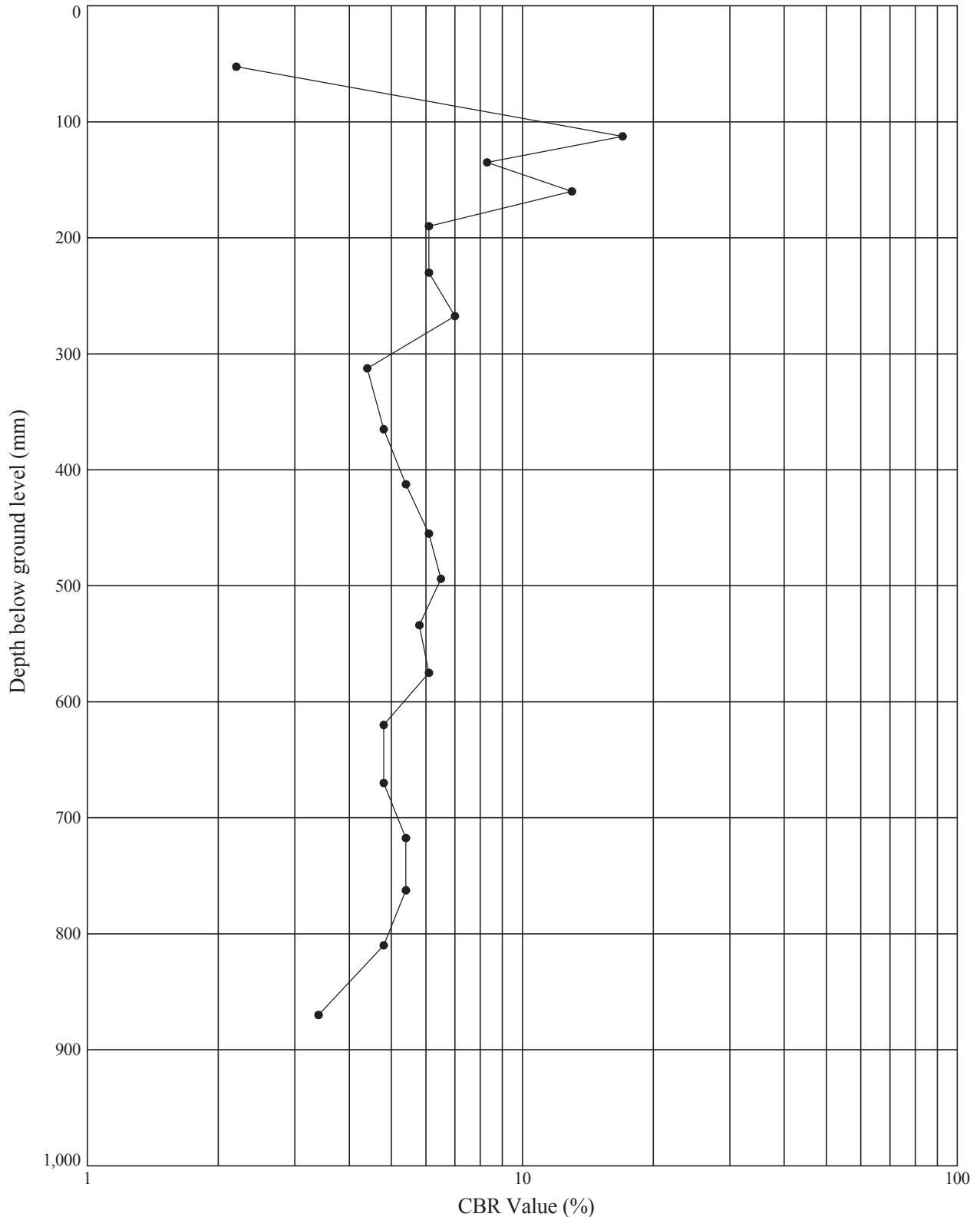
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR77**

Test Date : **10.04.13**

Ground Level (m AOD): **4.29**

National Grid Co-ordinates: **E:344795.9 N:170031.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line. Test conducted in pasture land adjacent to ream. Peat smear left on rod tip. Location: Nailsea.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

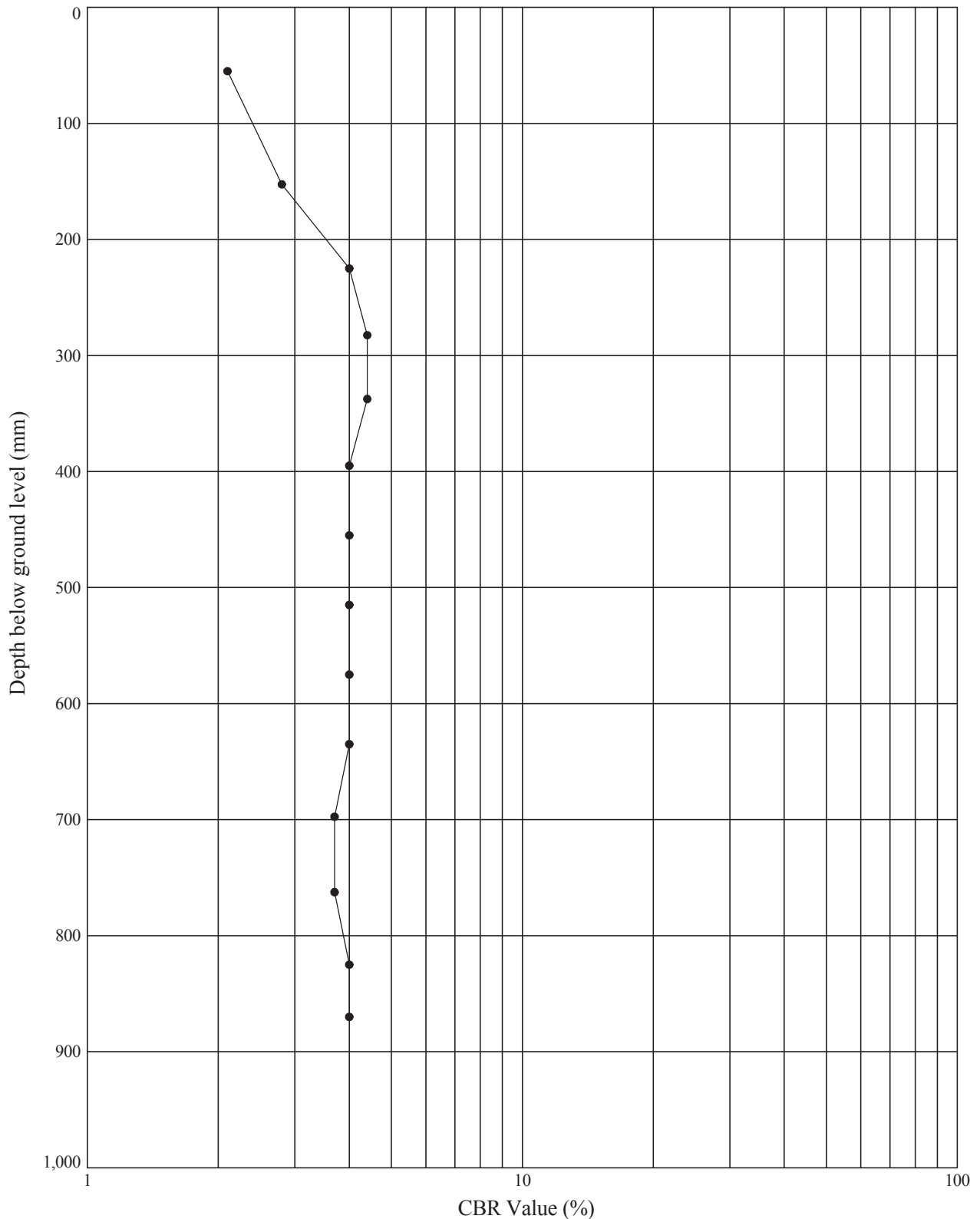
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR78**

Test Date : **10.04.13**

Ground Level (m AOD): **6.81**

National Grid Co-ordinates: **E:344923.8 N:170120.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture field adjacent to ream. Peat smear left on probe rods. Location: Nailsea.



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Date

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Contract:

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Connection**

Contract Ref:

727635

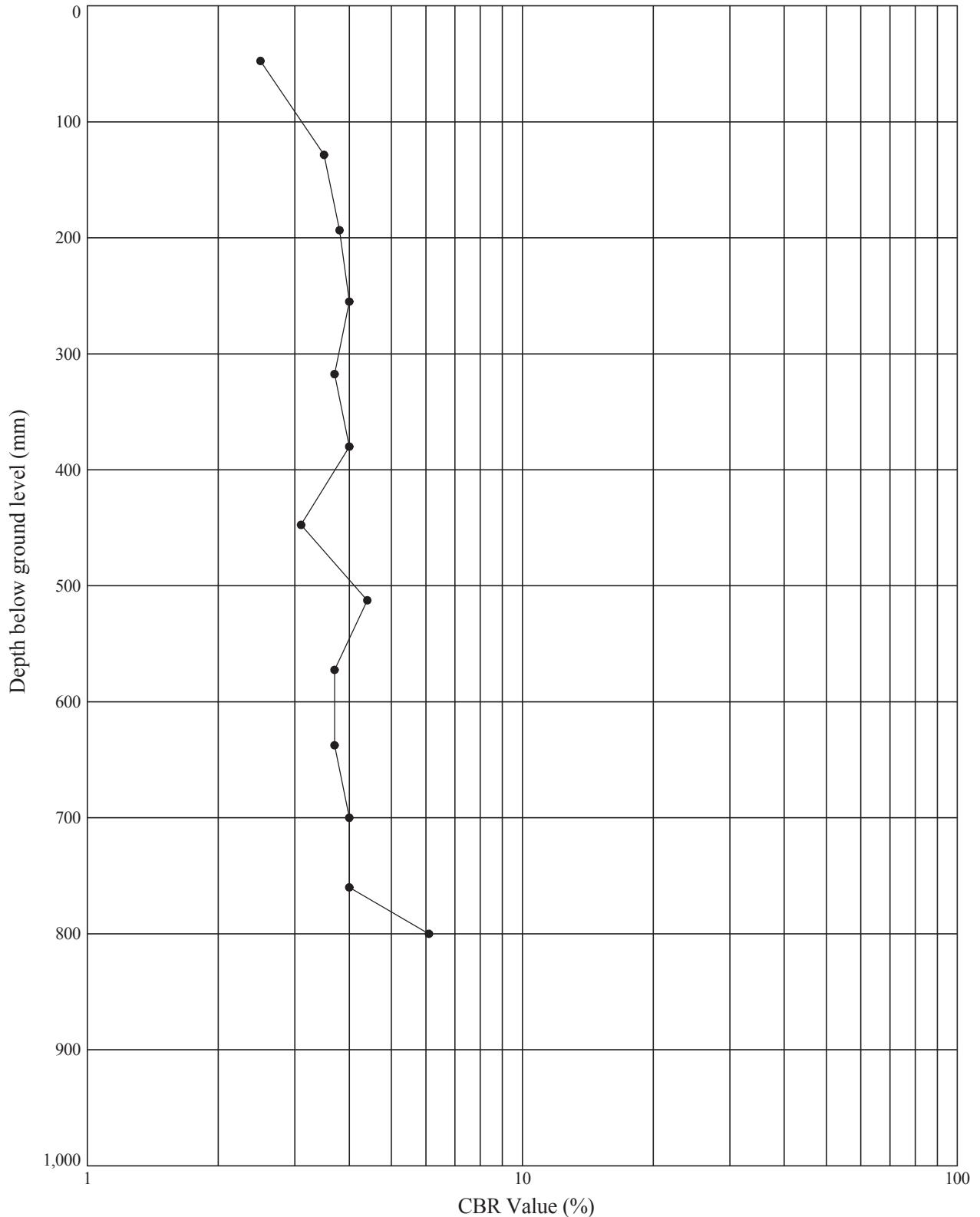
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR79**

Test Date : **10.04.13**

Ground Level (m AOD): **4.02**

National Grid Co-ordinates: **E:345162.1 N:170559.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Sunk under own weight to 150mm reading. Test conducted in pasture land. Peat smear left on probe rods. Location: Nailsea.



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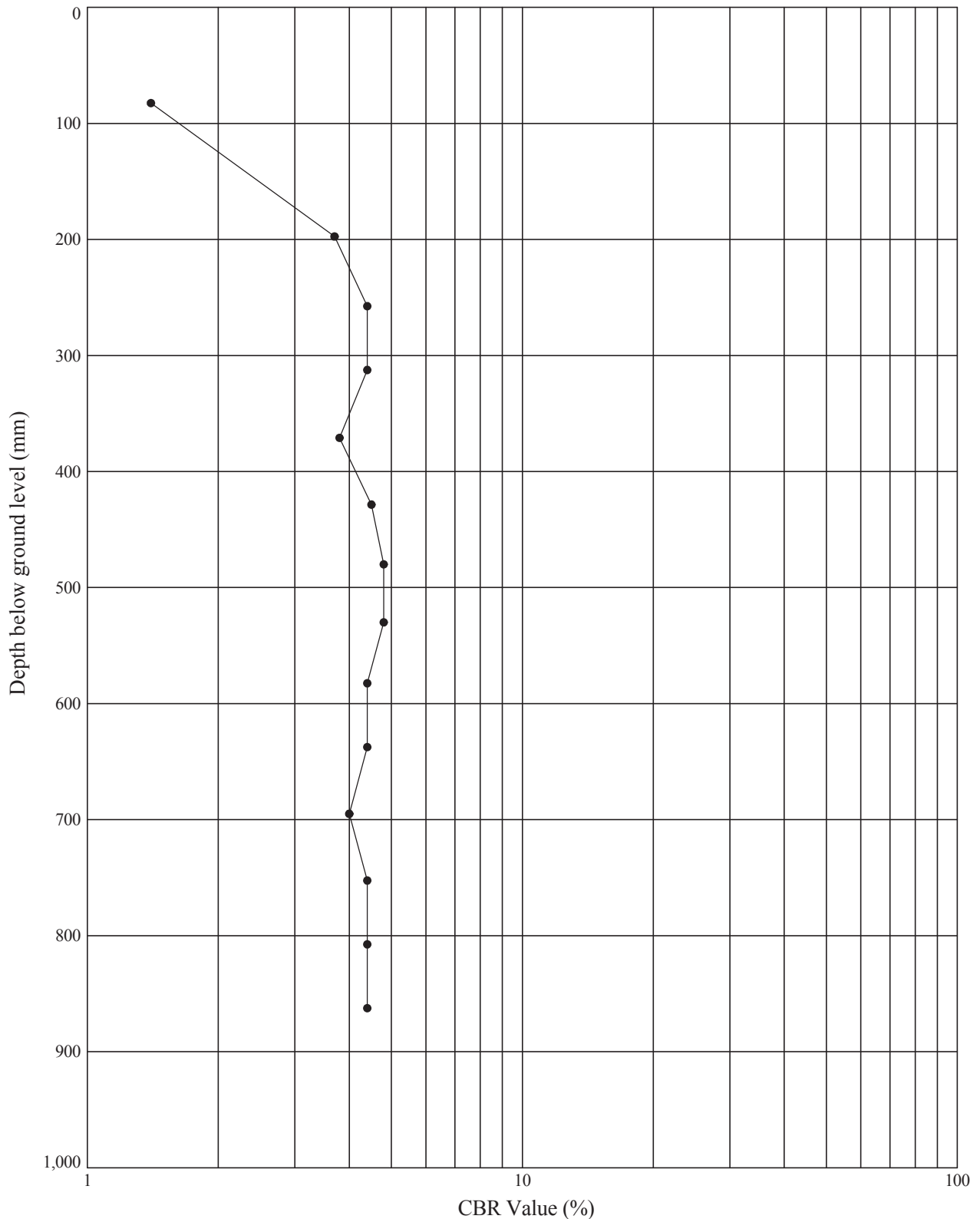
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR80**

Test Date : **10.04.13**

Ground Level (m AOD): **4.00**

National Grid Co-ordinates: **E:345276.5 N:170981.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Peat smear on probe rods. Location: Nailsea.



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Hinkley to Seabank 400kV Connection		727635	

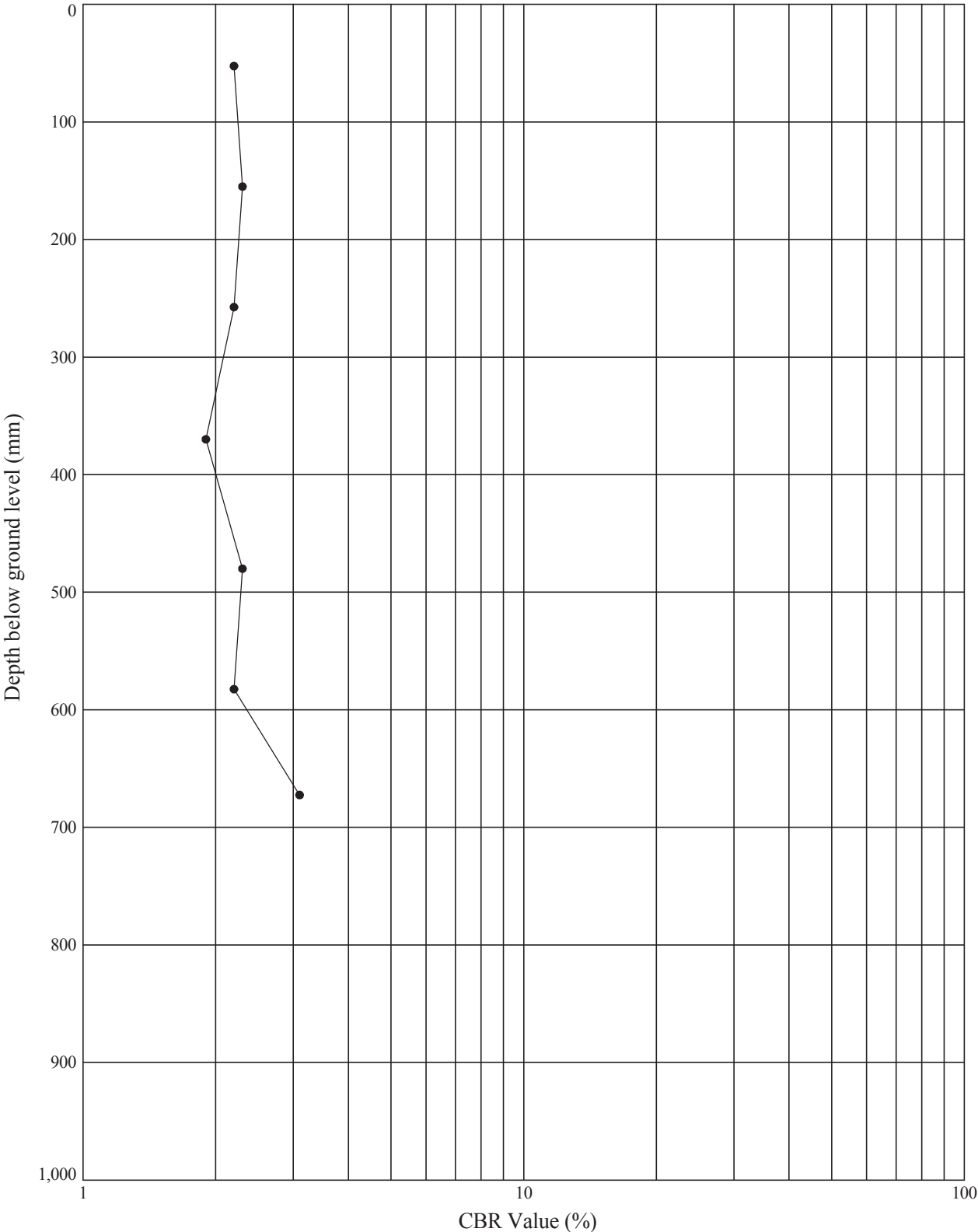
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : OH-CBR81

Test Date : 10.04.13

Ground Level (m AOD): 2.44

National Grid Co-ordinates: E:345680.0 N:171021.4



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Probe sunk under own weight to 240mm reading prior to test start. Test conducted in pasture land. Peat smear on probe rods.
Location: Nailsea.



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Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

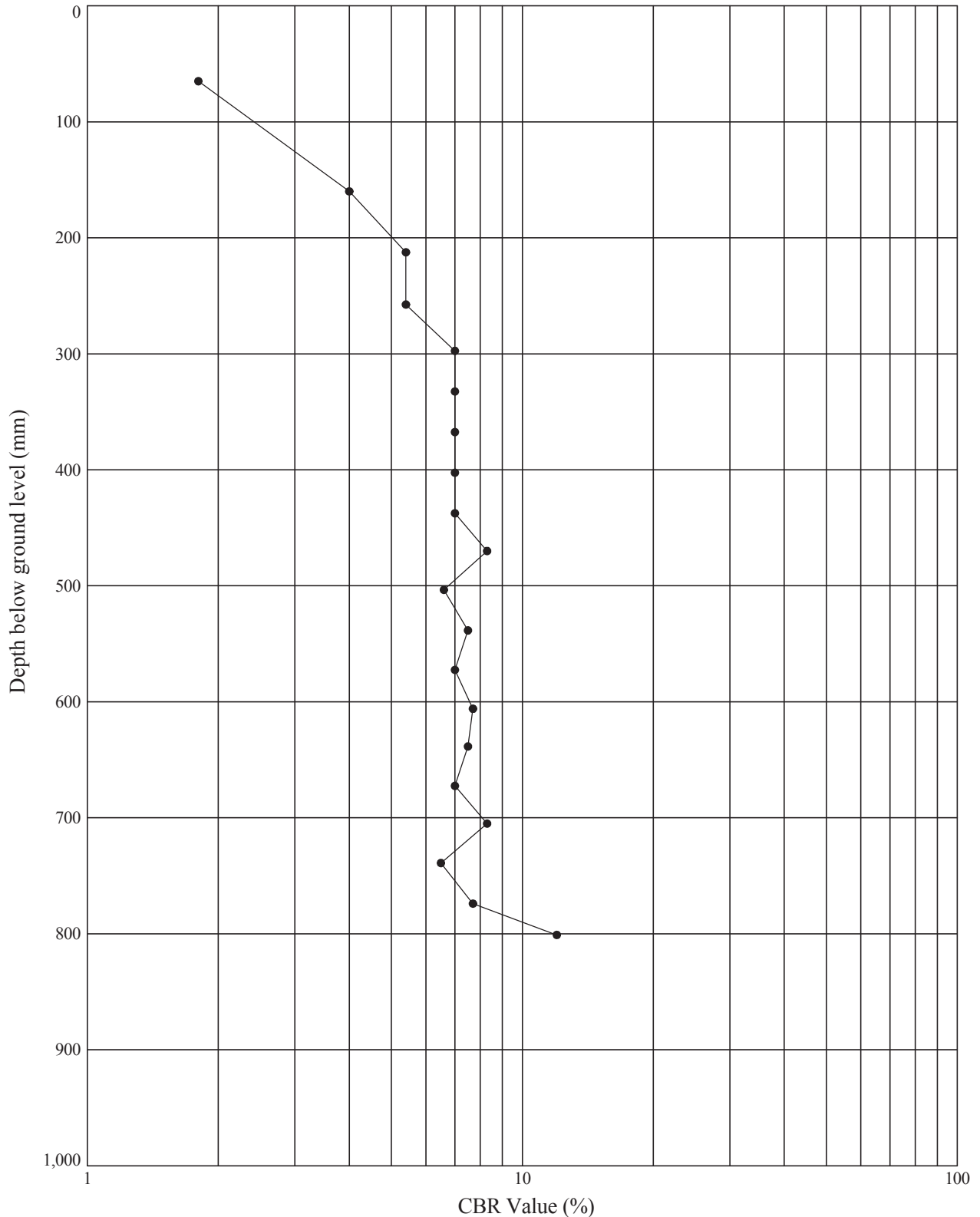
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR82**

Test Date : **10.04.13**

Ground Level (m AOD): **4.32**

National Grid Co-ordinates: **E:345903.1 N:171070.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Probe sunk under own weight to 140mm reading before test start. Test conducted in pasture land. Peat smear on probe rods.
Location: Nailsea.



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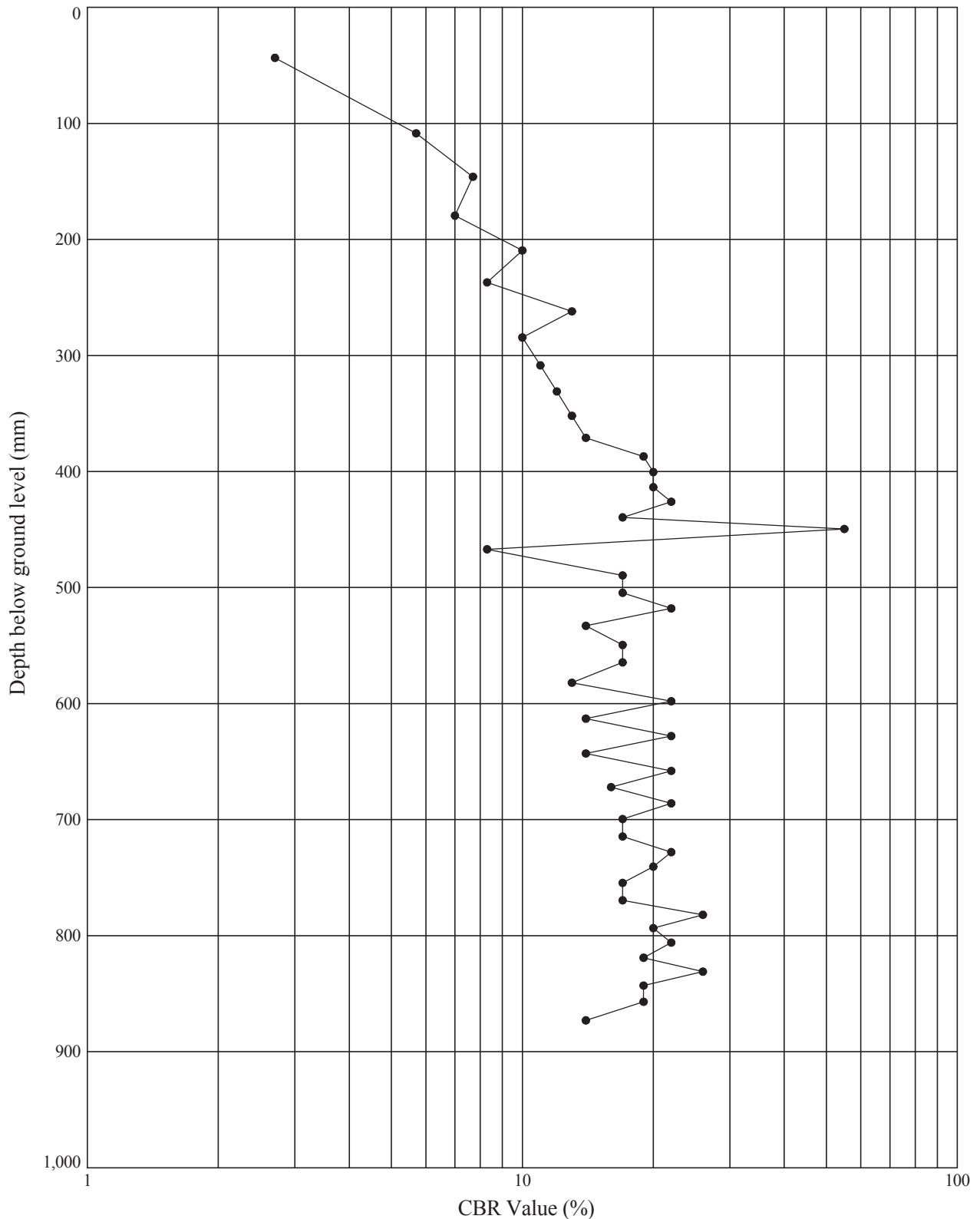
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR83**

Test Date : **10.04.13**

Ground Level (m AOD): **5.48**

National Grid Co-ordinates: **E:346216.4 N:171268.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nailsea.



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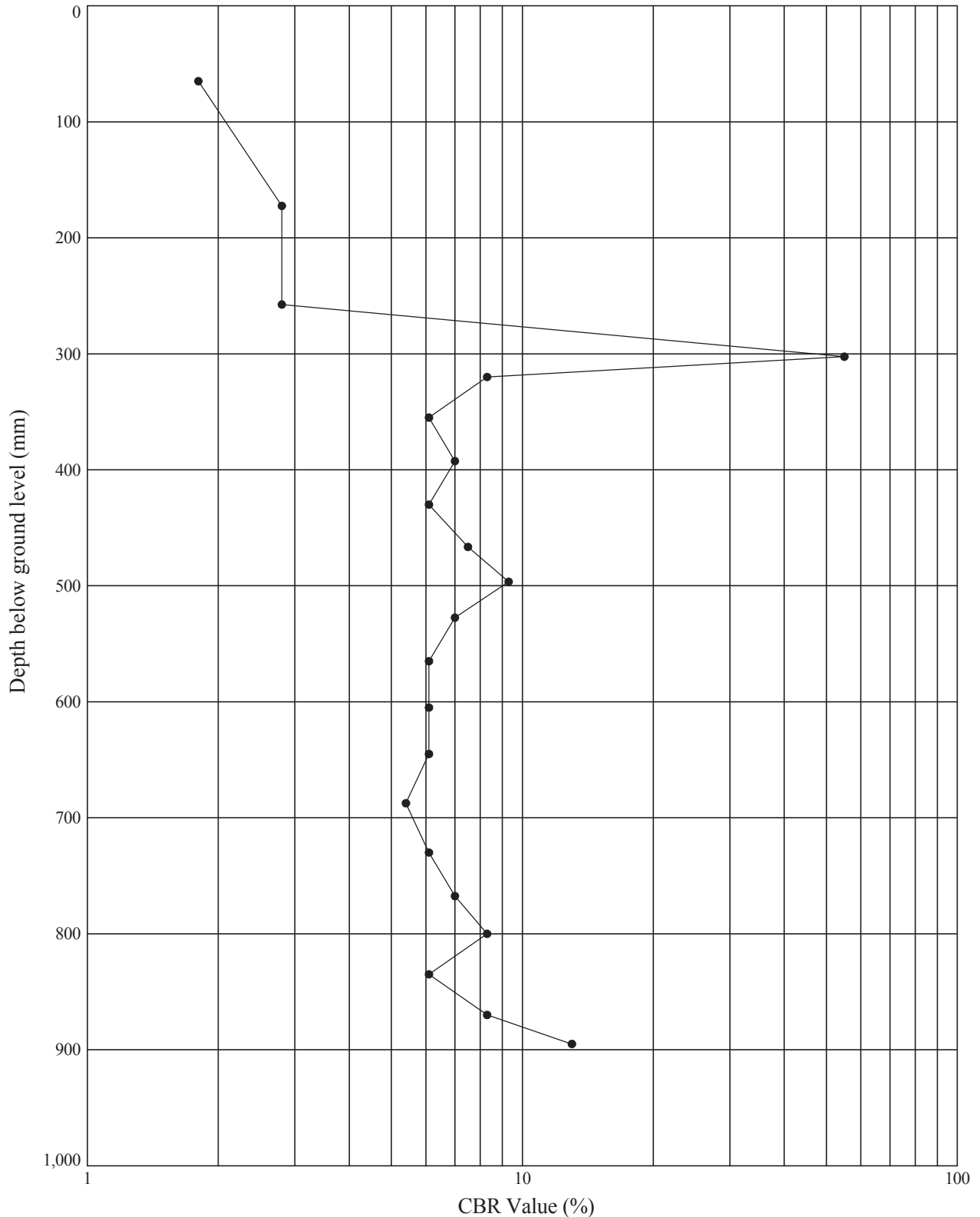
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR84**

Test Date : **10.04.13**

Ground Level (m AOD): **20.09**

National Grid Co-ordinates: **E:346381.0 N:171772.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Nailsea.



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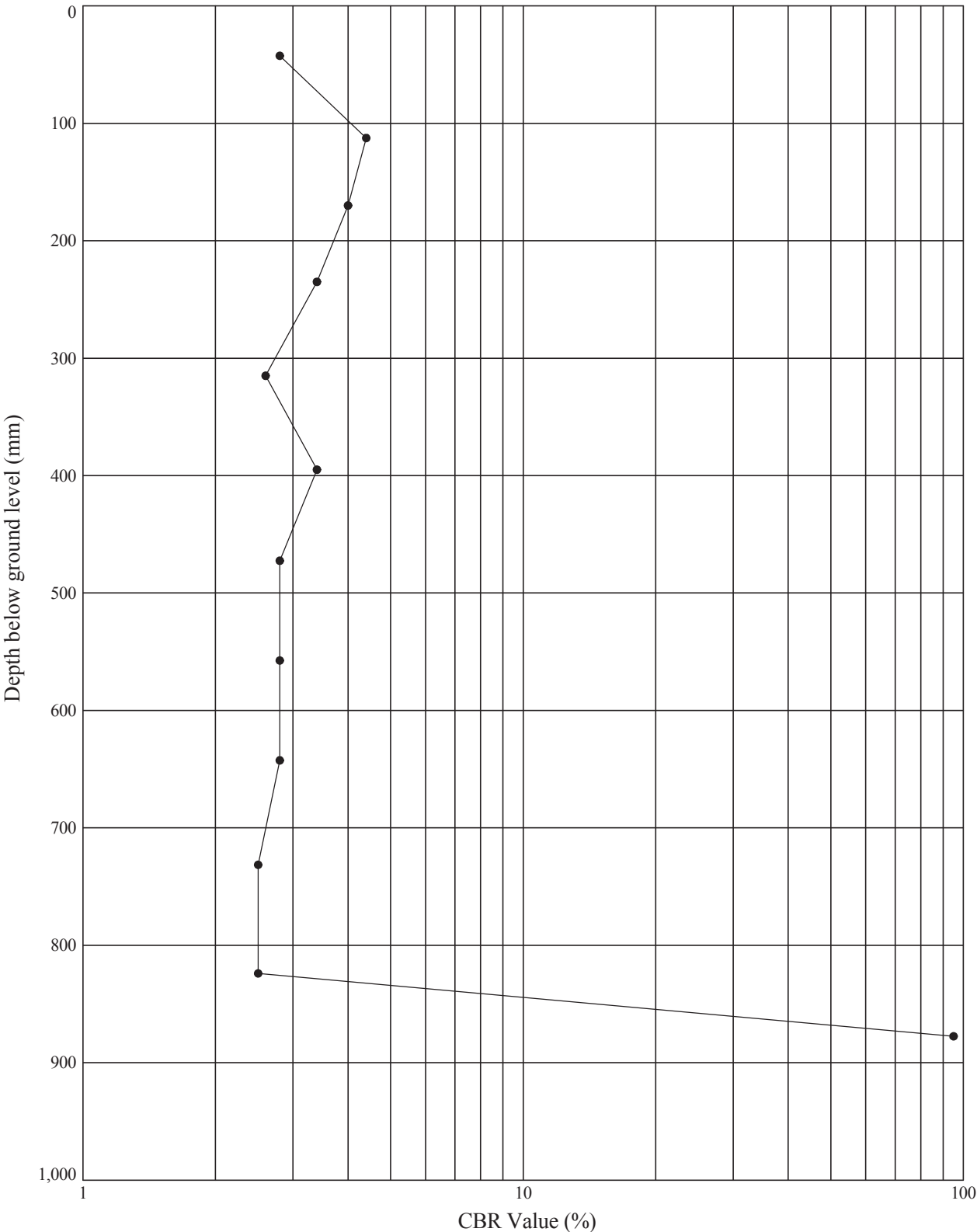
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : OH-CBR87

Test Date : 11.04.13

Ground Level (m AOD): 39.91

National Grid Co-ordinates: E:347049.4 N:172364.0



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Tickenham Ridge.



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Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

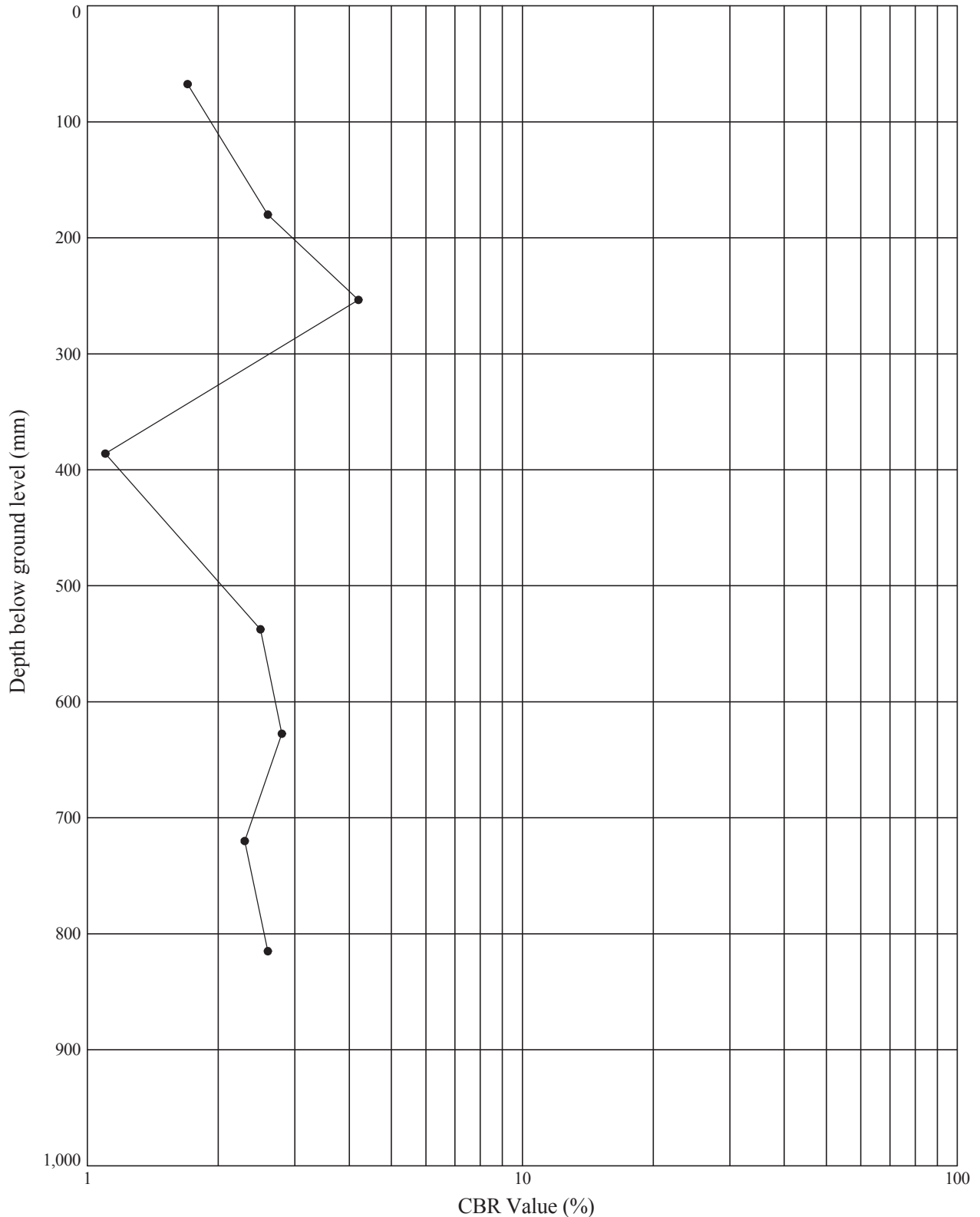
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR88**

Test Date : **11.04.13**

Ground Level (m AOD): **61.47**

National Grid Co-ordinates: **E:347511.9 N:172605.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Tickenham Ridge.



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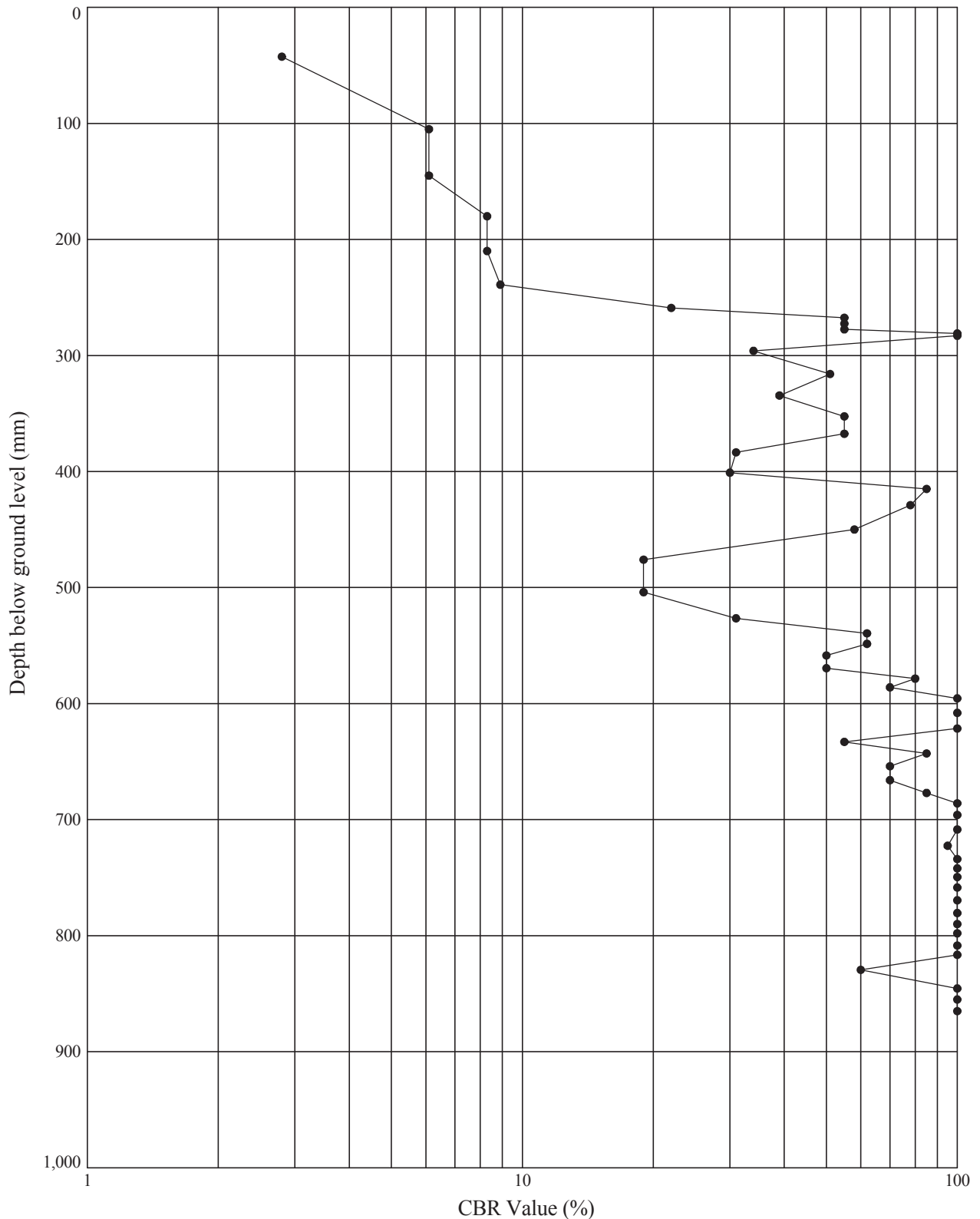
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR89**

Test Date : **11.04.13**

Ground Level (m AOD): **115.85**

National Grid Co-ordinates: **E:347856.2 N:172849.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Tickenham Ridge.



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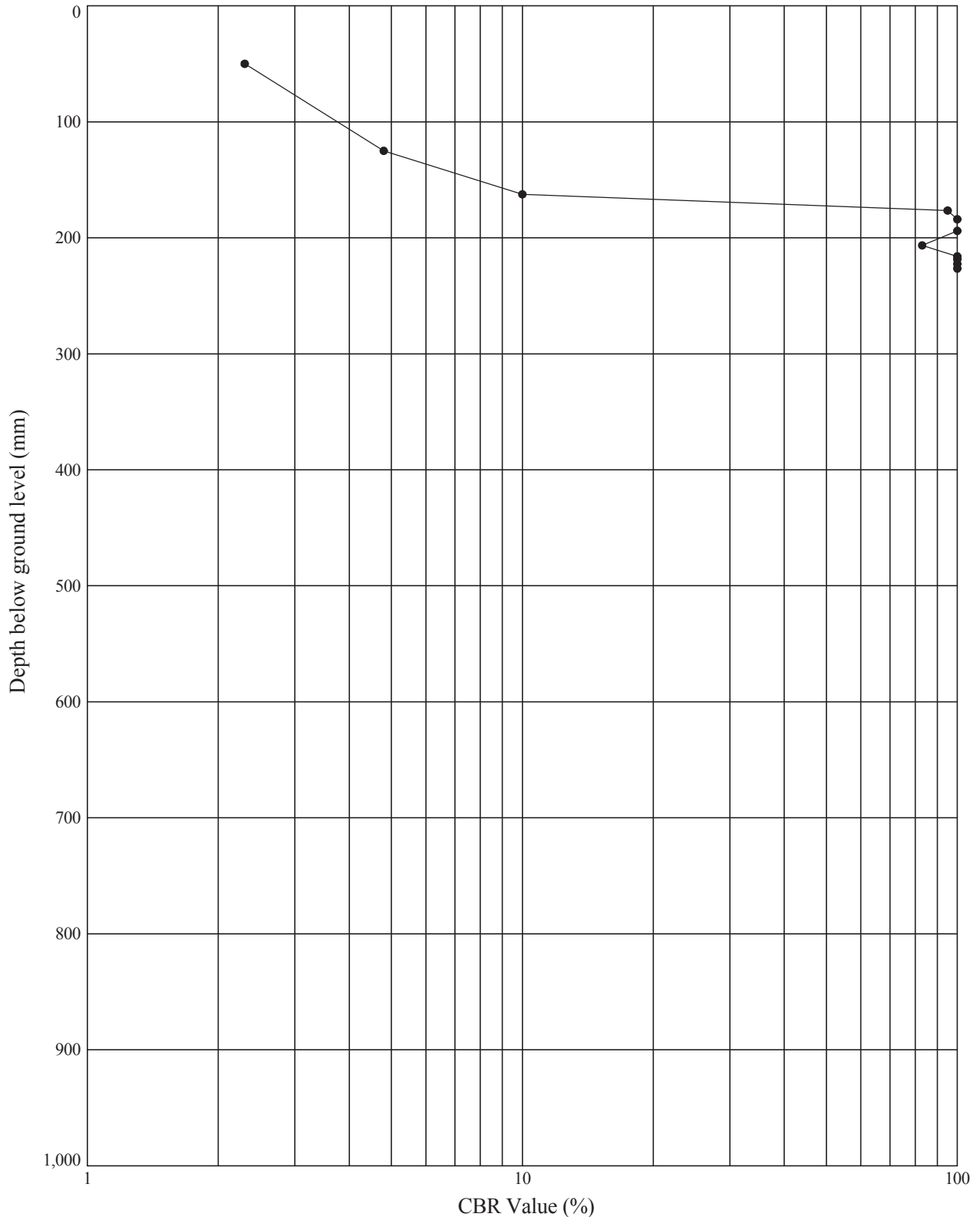
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR90**

Test Date : **11.04.13**

Ground Level (m AOD): **129.87**

National Grid Co-ordinates: **E:347991.1 N:173098.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line. Tests terminated as damage to equipment may result. Location: Tickenham Ridge.



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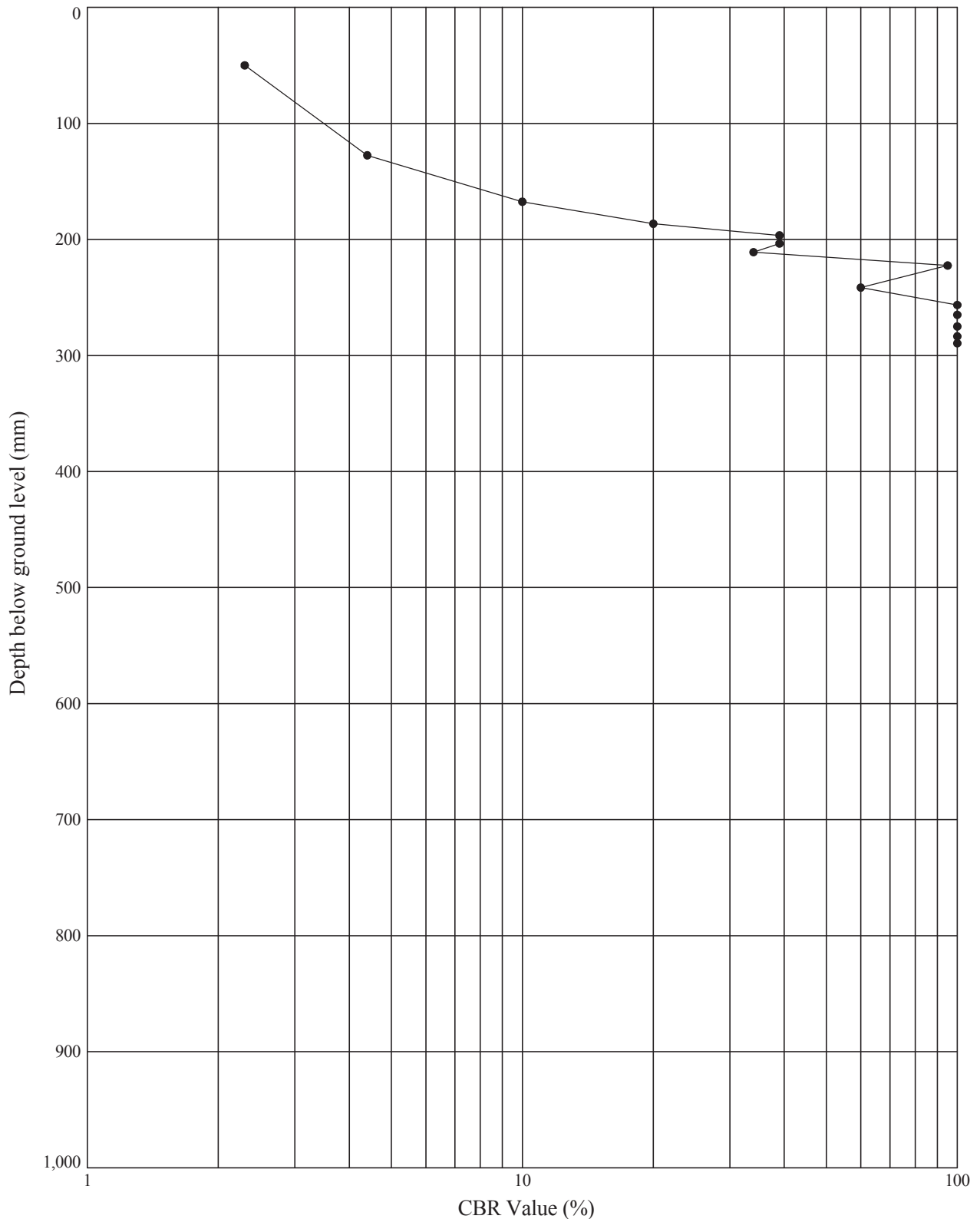
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR90A**

Test Date : **11.04.13**

Ground Level (m AOD): **130.11**

National Grid Co-ordinates: **E:347992.3 N:173097.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test OH-CBR90A undertaken to confirm shallow low penetration at locality. Location: Tickenham Ridge.



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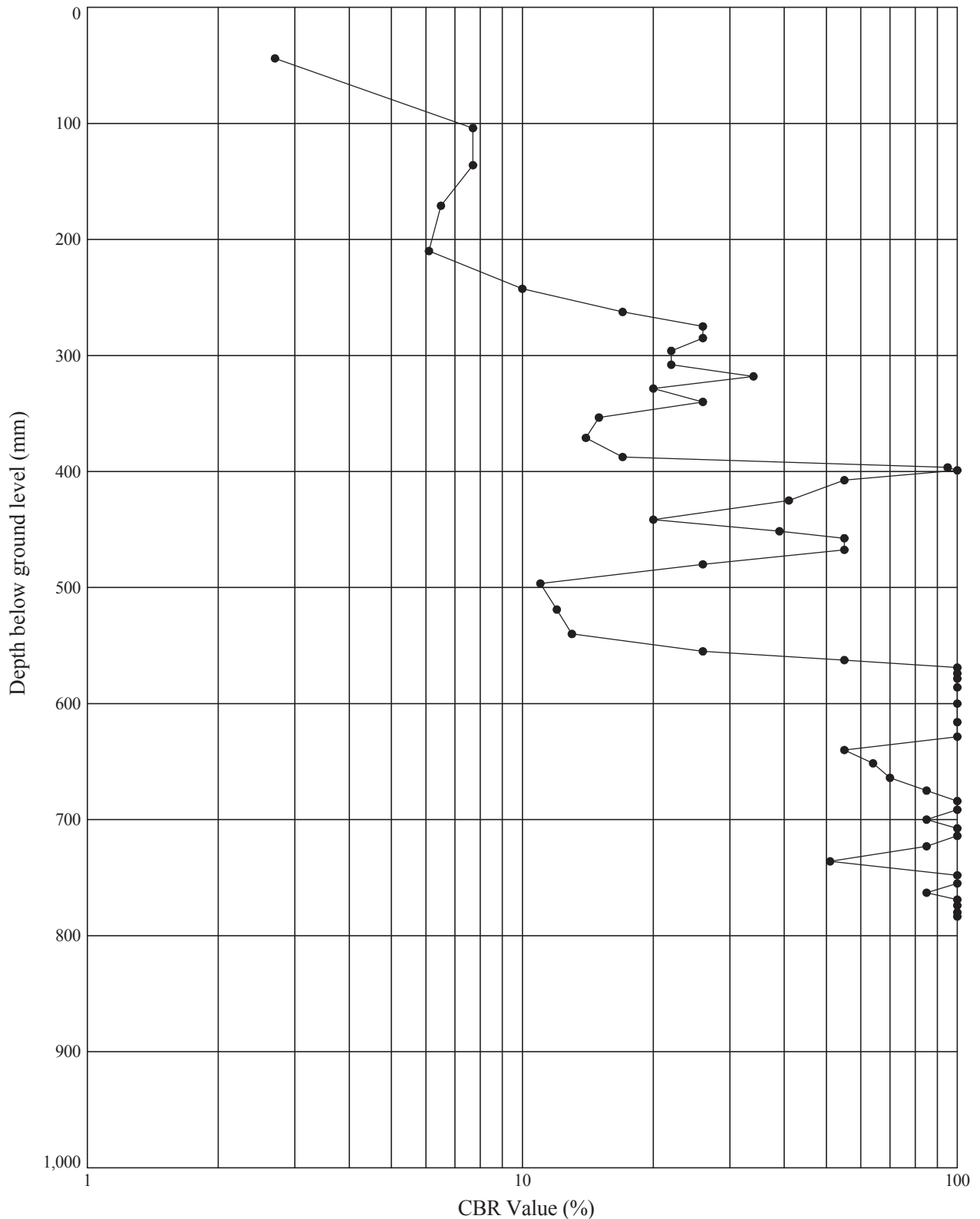
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR91**

Test Date : **11.04.13**

Ground Level (m AOD): **129.02**

National Grid Co-ordinates: **E:348192.1 N:173606.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Tickenham Ridge.



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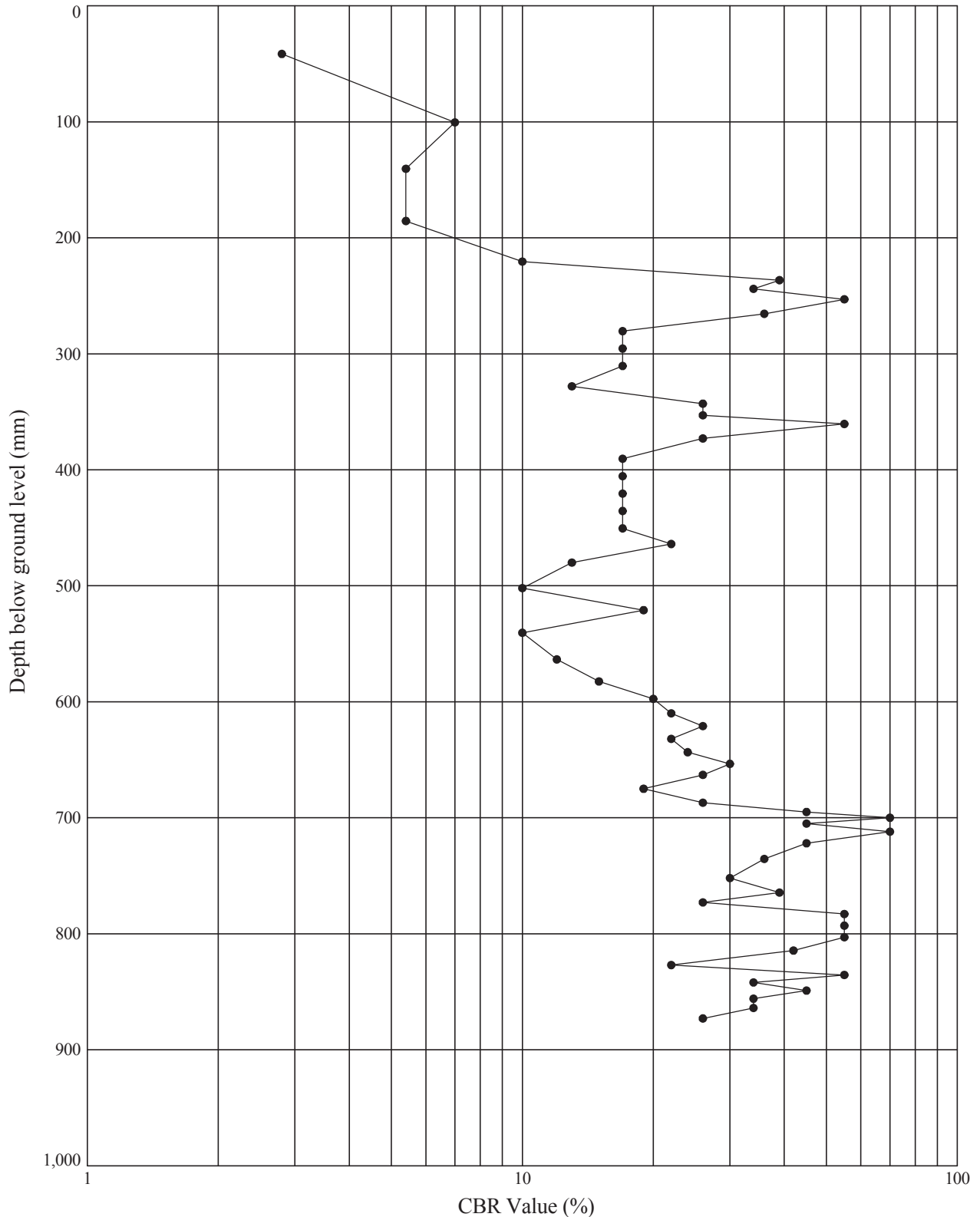
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR92**

Test Date : **11.04.13**

Ground Level (m AOD): **111.44**

National Grid Co-ordinates: **E:348410.9 N:173904.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Tickenham Ridge.



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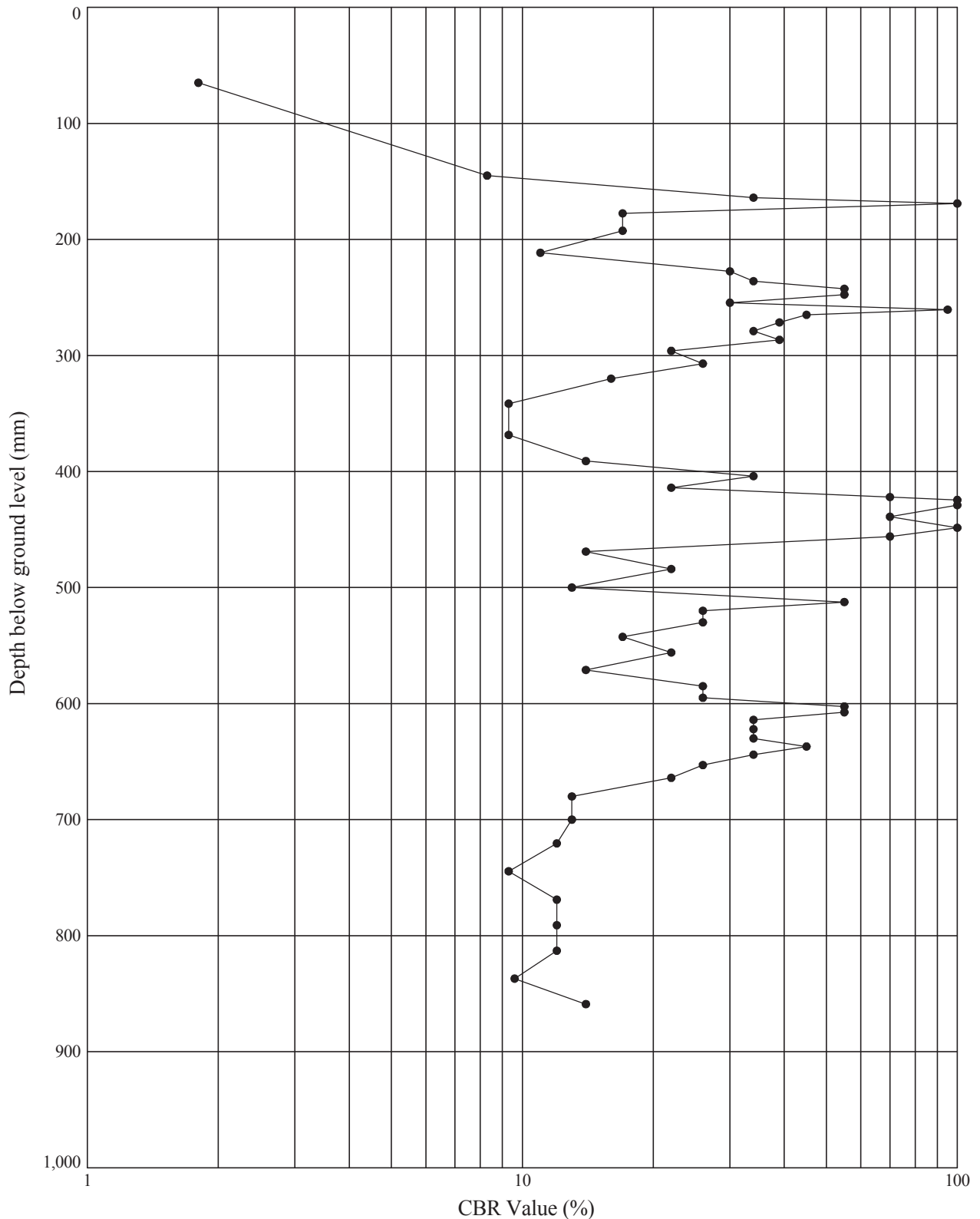
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR93**

Test Date : **11.04.13**

Ground Level (m AOD): **88.06**

National Grid Co-ordinates: **E:348430.8 N:174135.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in freshly sown field. Location: Tickenham Ridge.



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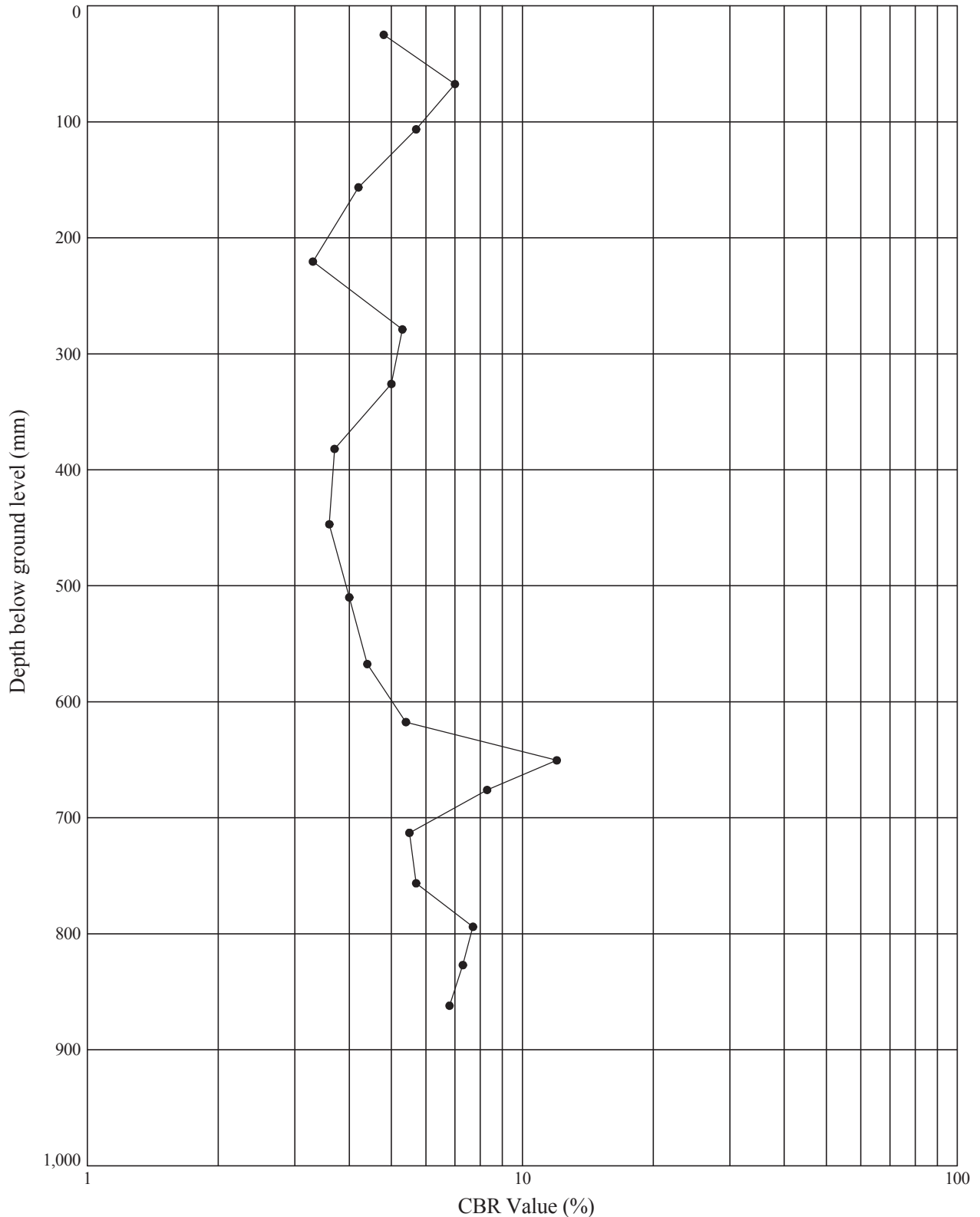
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR94**

Test Date : **11.04.13**

Ground Level (m AOD): **64.71**

National Grid Co-ordinates: **E:348581.9 N:174429.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted adjacent to motocross track. Location: Portbury.



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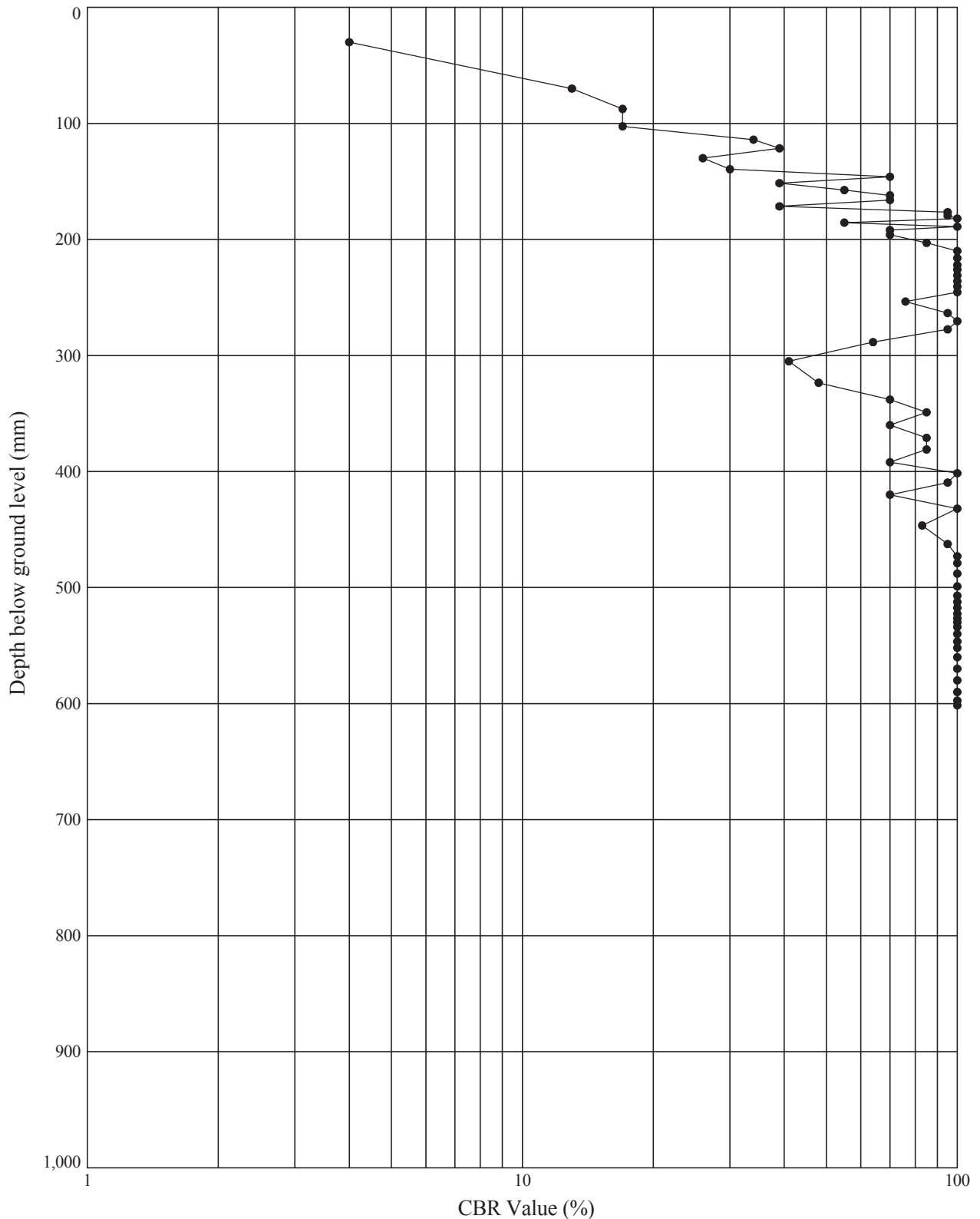
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR95**

Test Date : **11.04.13**

Ground Level (m AOD): **32.54**

National Grid Co-ordinates: **E:348827.6 N:174744.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
 Test conducted within rough pasture at side of track. Test terminated at 663mg reading as low penetration rate may damage equipment. Location: Portbury.



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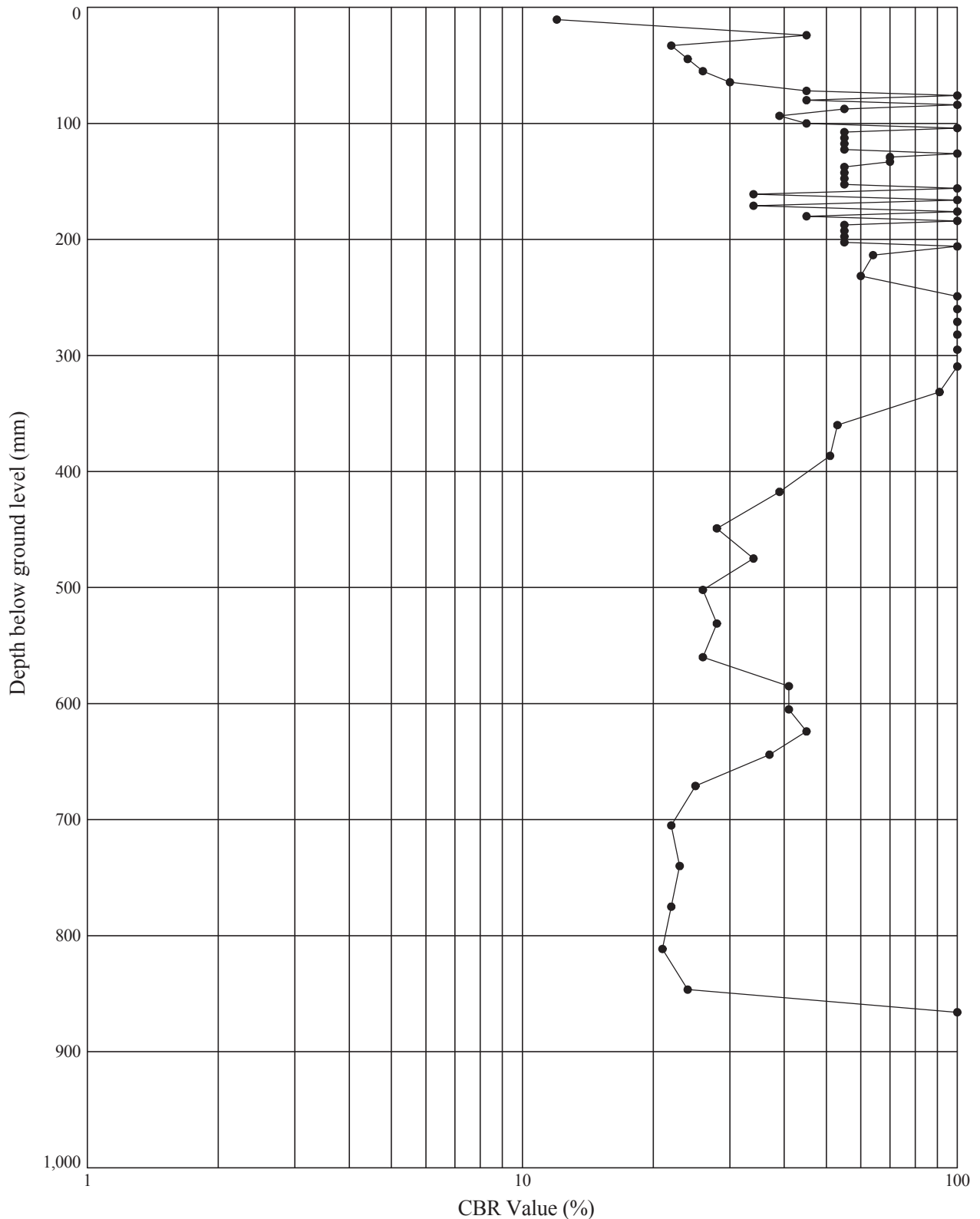
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR99**

Test Date : **08.07.13**

Ground Level (m AOD): **6.56**

National Grid Co-ordinates: **E:349342.8 N:175368.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Portbury.



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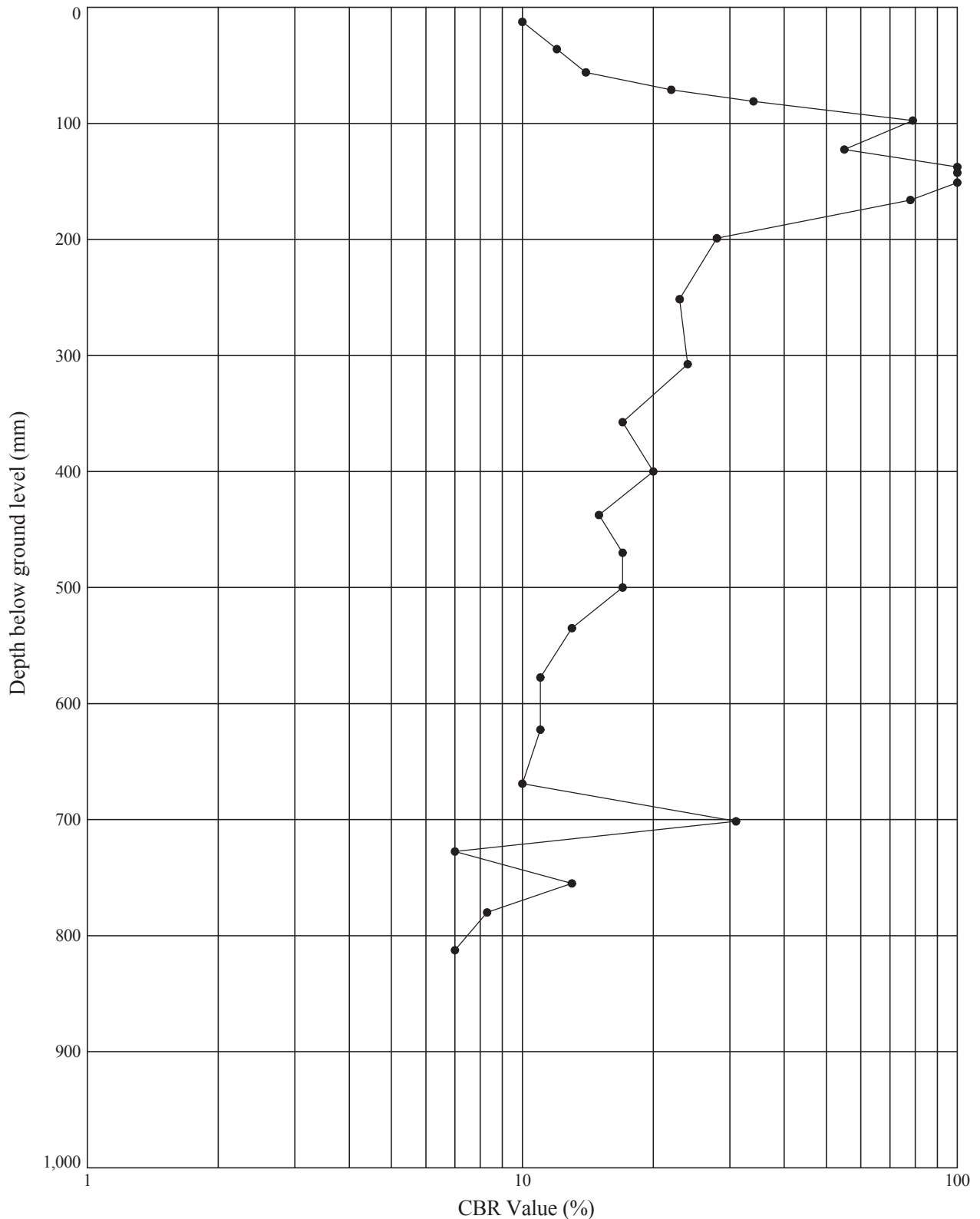
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR100**

Test Date : **08.07.13**

Ground Level (m AOD): **7.71**

National Grid Co-ordinates: **E:349494.9 N:175485.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Portbury.



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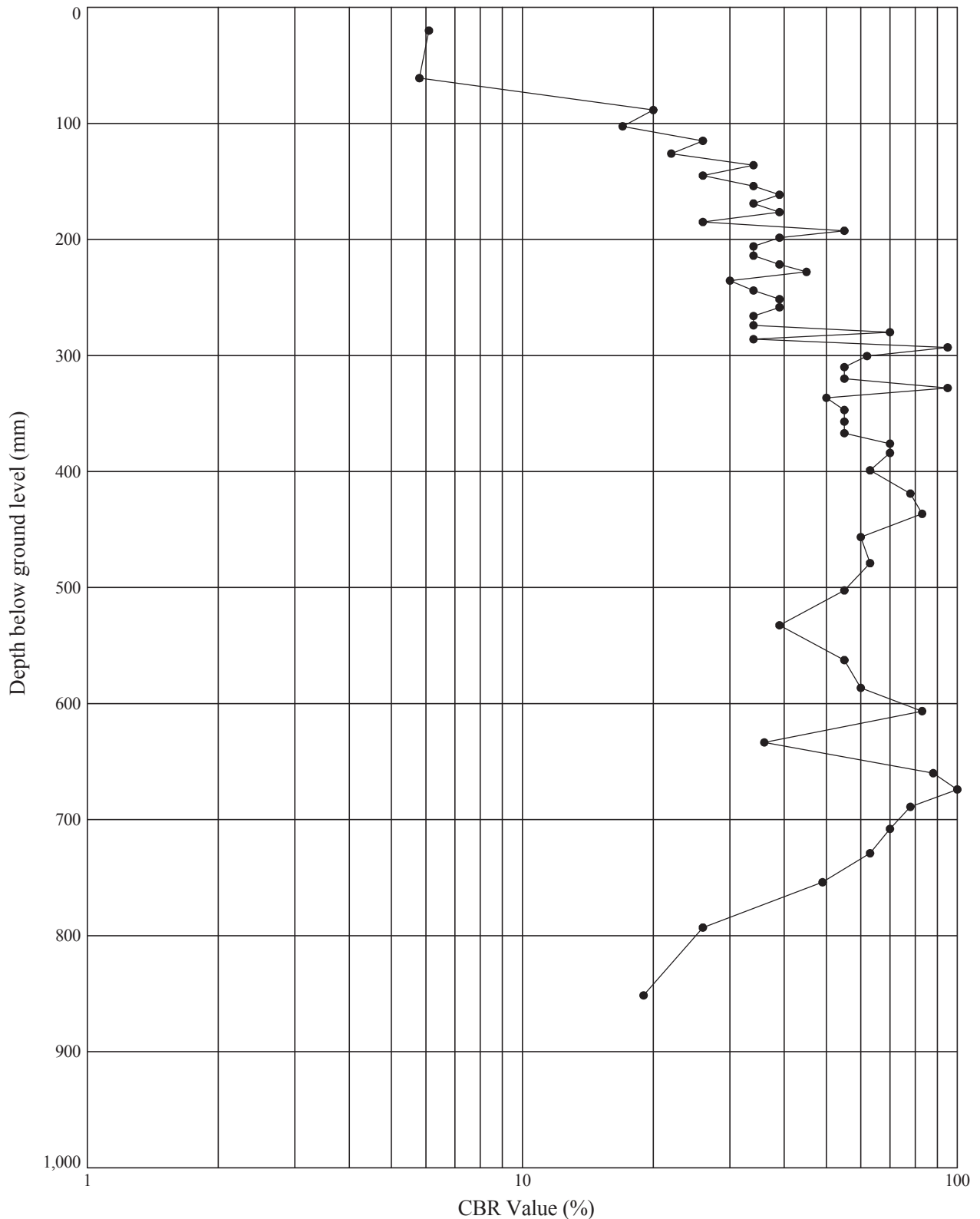
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR101**

Test Date : **08.07.13**

Ground Level (m AOD): **8.55**

National Grid Co-ordinates: **E:349841.1 N:175656.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Portbury.



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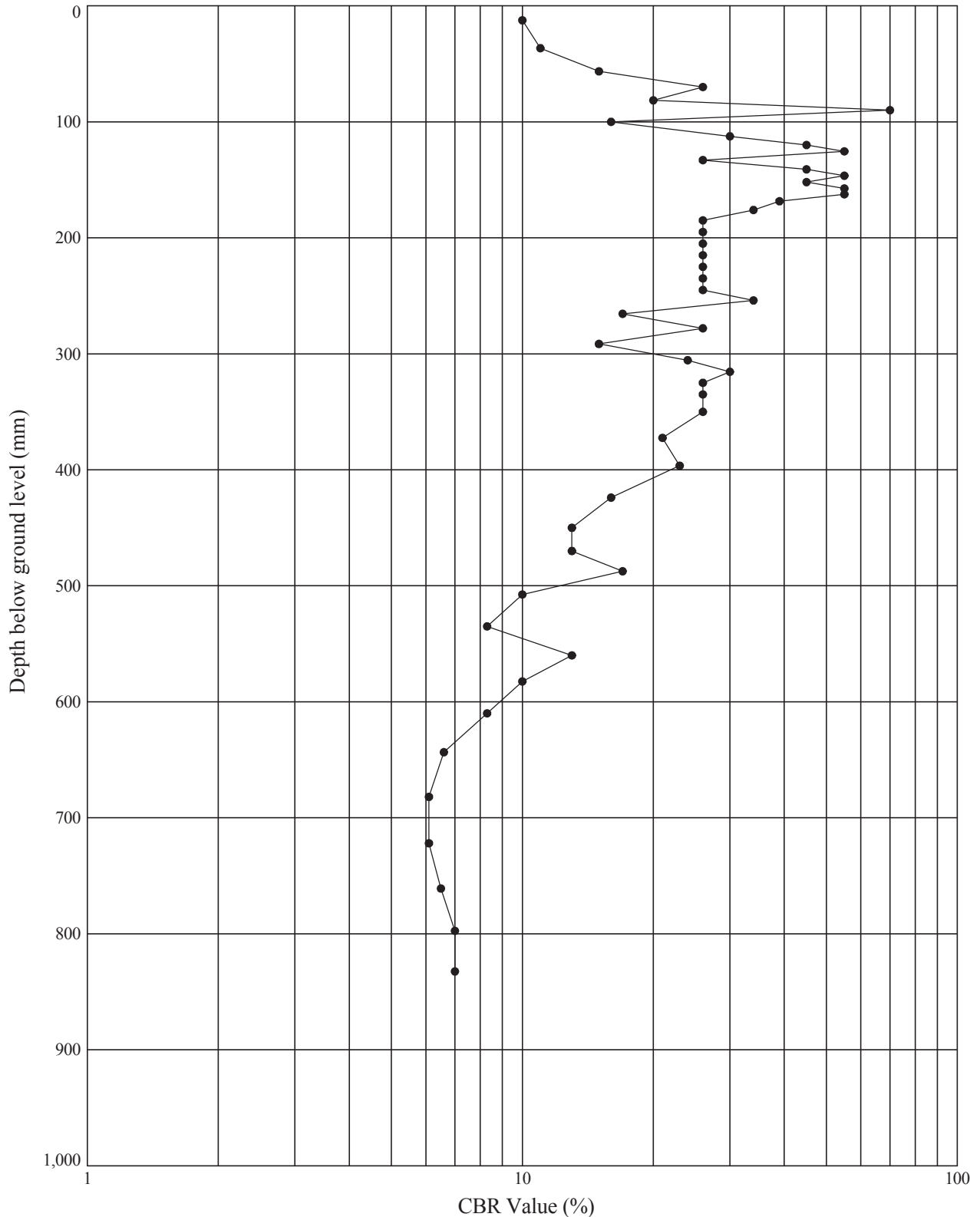
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR102**

Test Date : **10.07.13**

Ground Level (m AOD): **8.41**

National Grid Co-ordinates: **E:350738.0 N:176029.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass verge. Location: Portbury Dock.



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Contract Ref:

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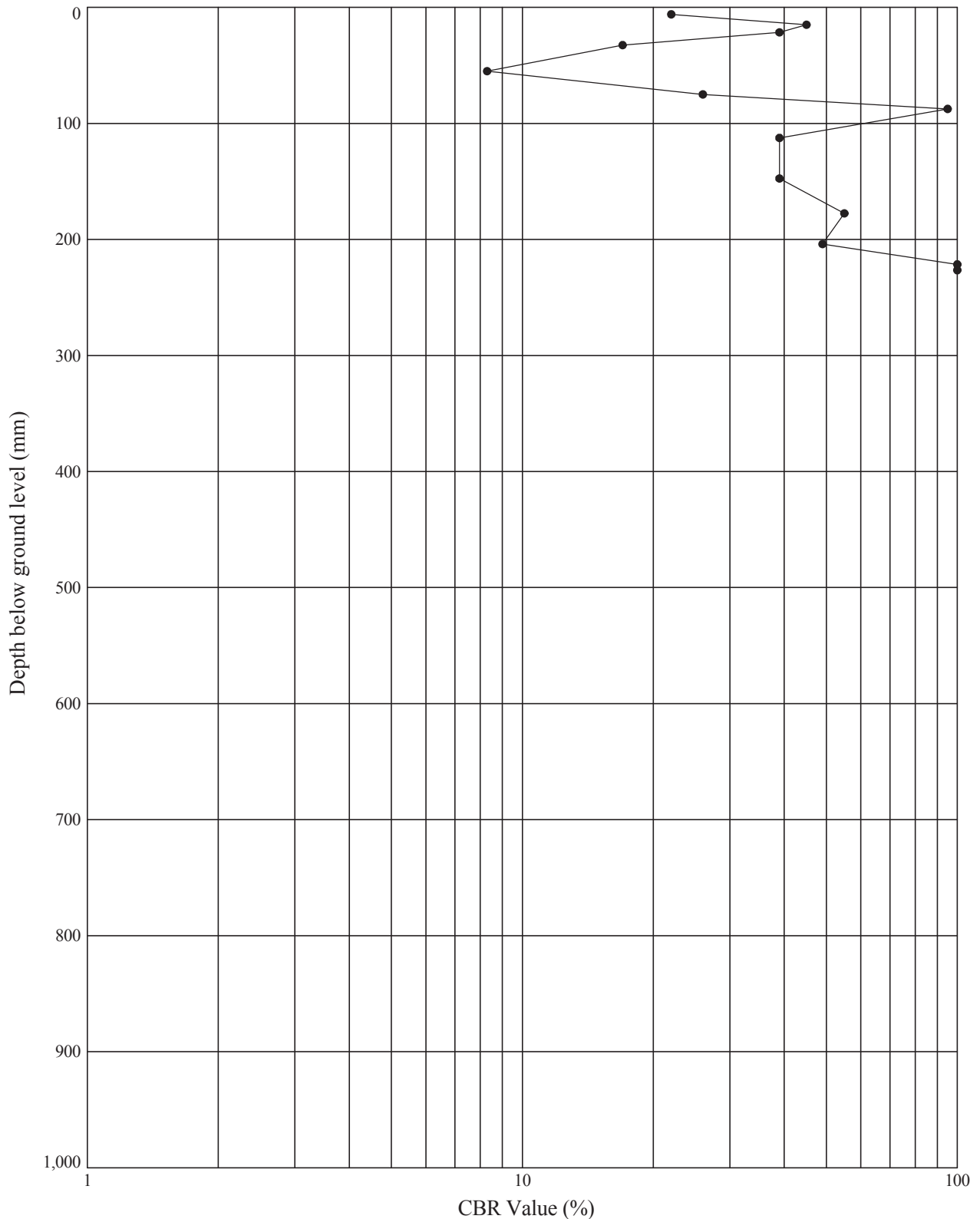
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR103**

Test Date : **10.07.13**

Ground Level (m AOD): **8.44**

National Grid Co-ordinates: **E:351752.2 N:177374.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
 Test beside tarmac road terminated at 368mm reading as slow penetration. Unable to relocate as CAT picking up services.
 Location: Avonmouth Dock.



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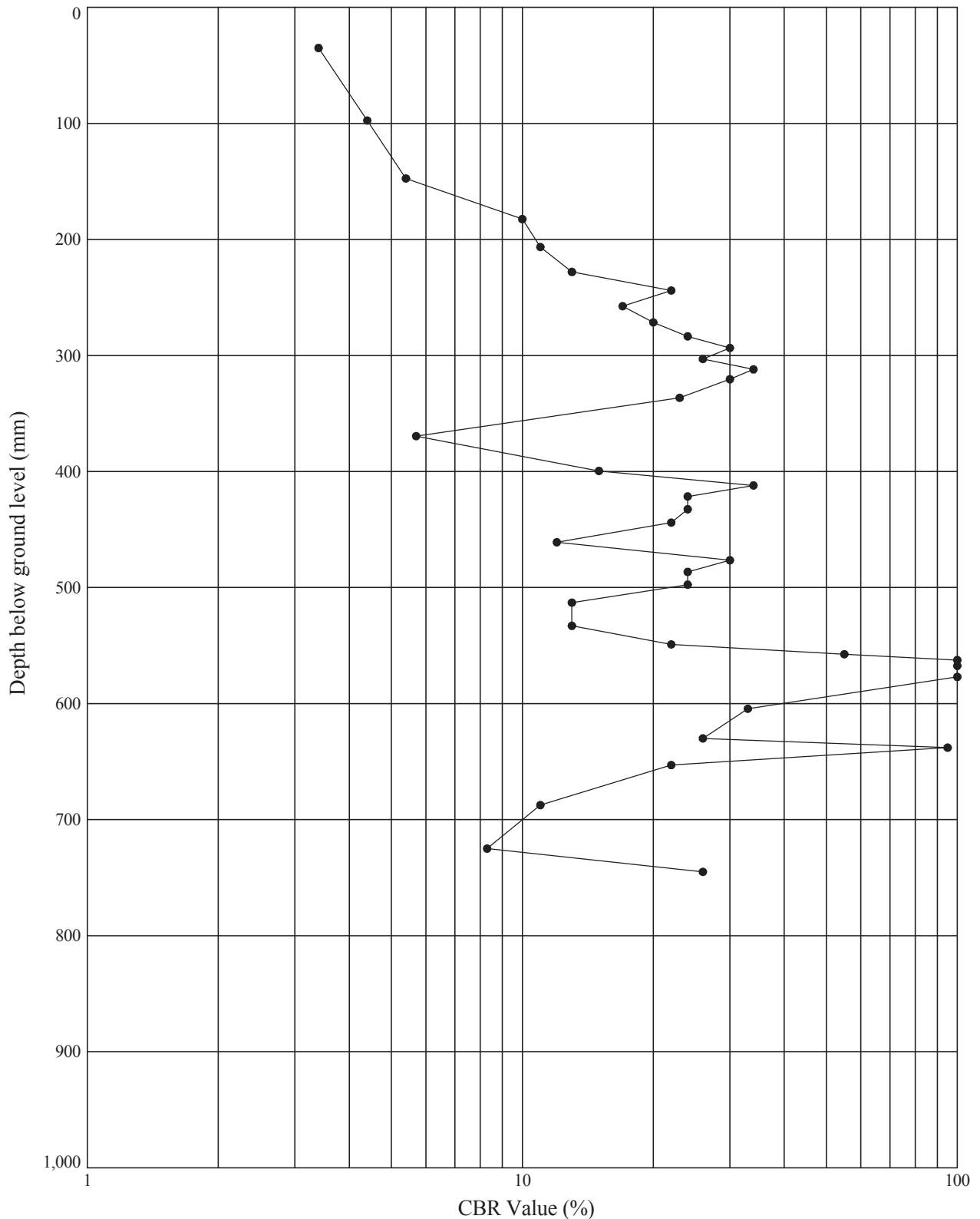
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR104**

Test Date : **10.07.13**

Ground Level (m AOD): **9.41**

National Grid Co-ordinates: **E:351575.0 N:177874.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass waste land. Location: Avonmouth Dock.



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Contract:

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Contract Ref:

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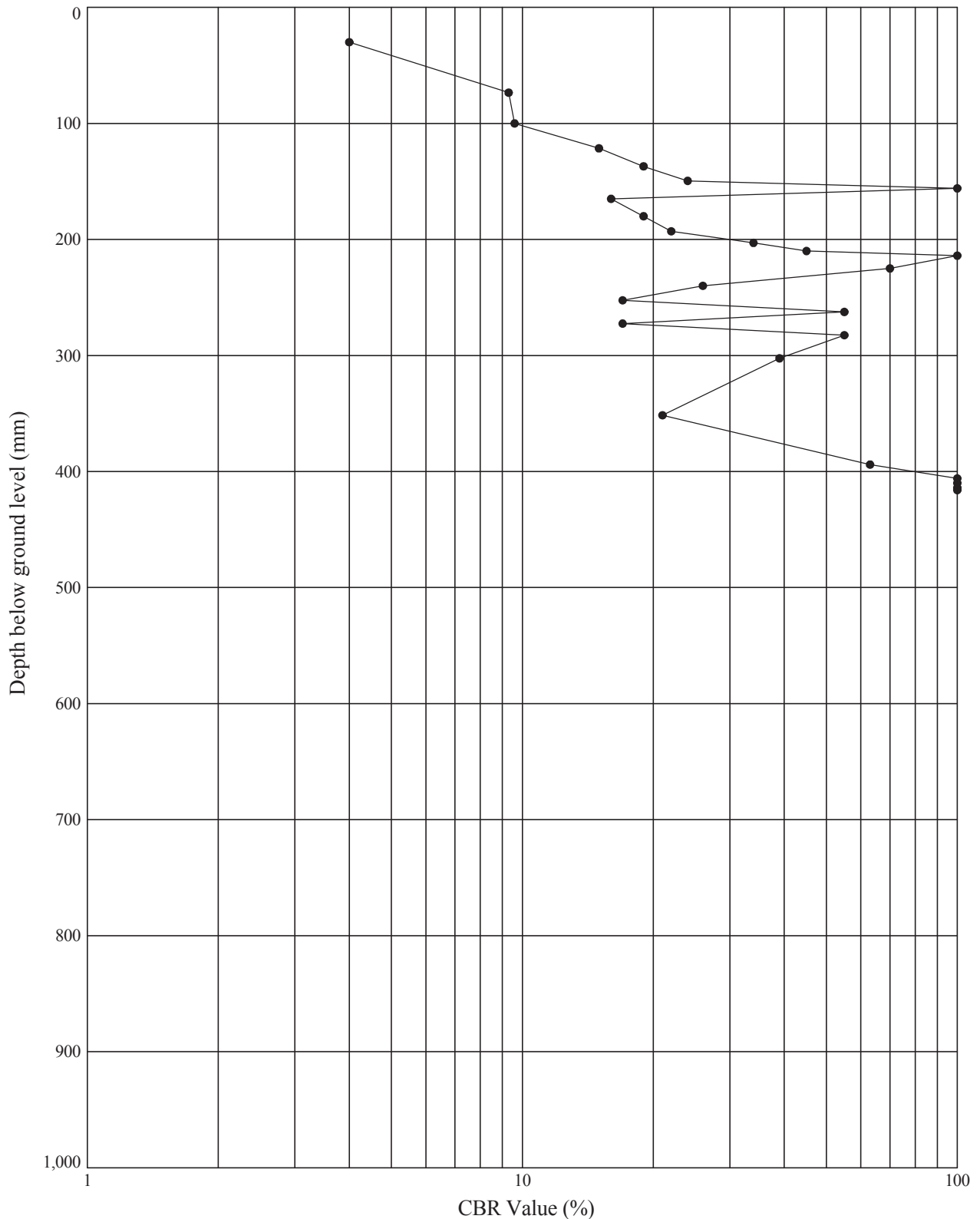
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR105**

Test Date : **10.07.13**

Ground Level (m AOD): **8.94**

National Grid Co-ordinates: **E:351519.2 N:177934.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass waste land low penetration rate may damage equipment test stoped at 542mm reading. Location: Avonmouth Dock.



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Contract:		Contract Ref:	
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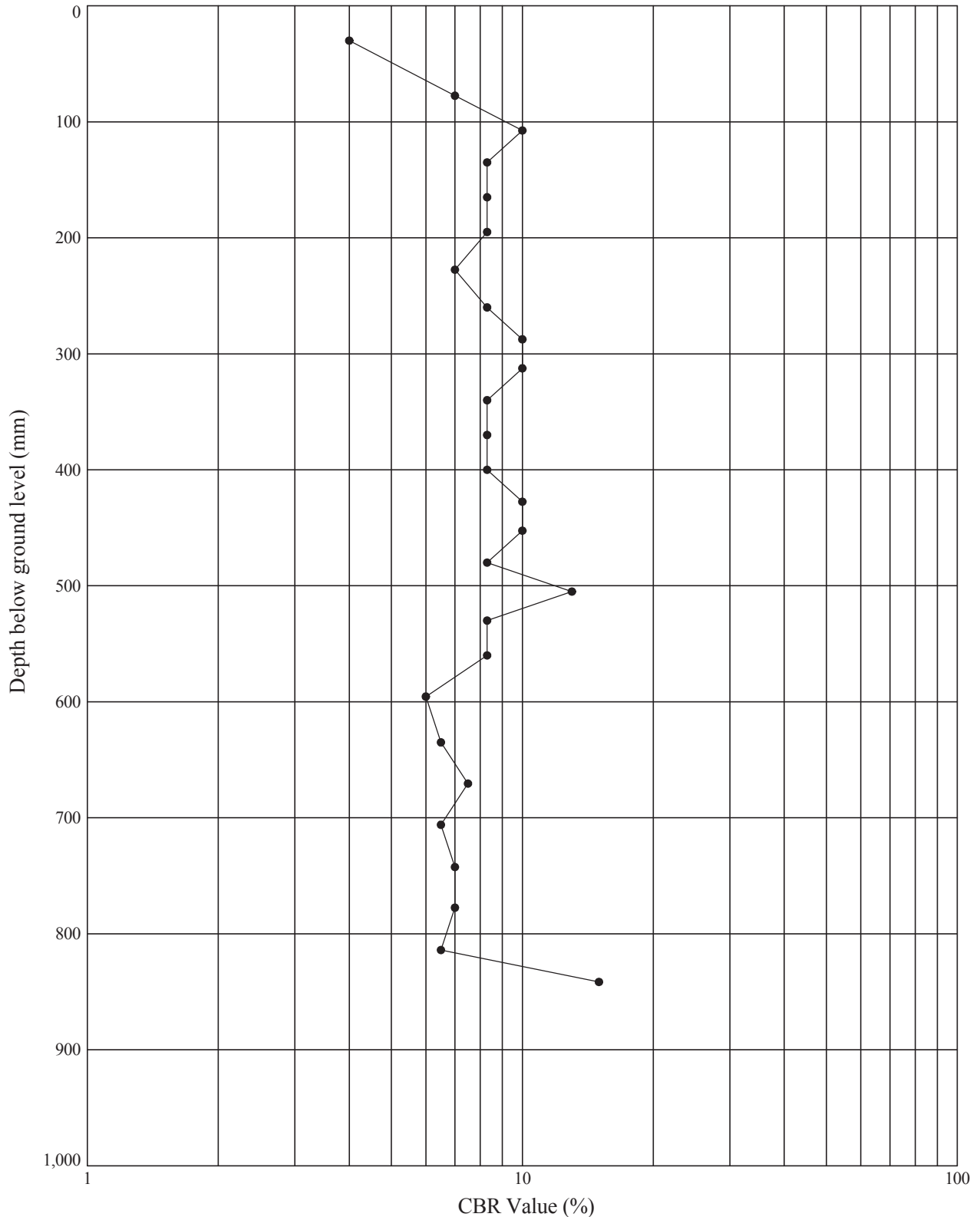
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR107**

Test Date : **08.07.13**

Ground Level (m AOD): **6.51**

National Grid Co-ordinates: **E:352752.0 N:178482.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Avonmouth Dock.



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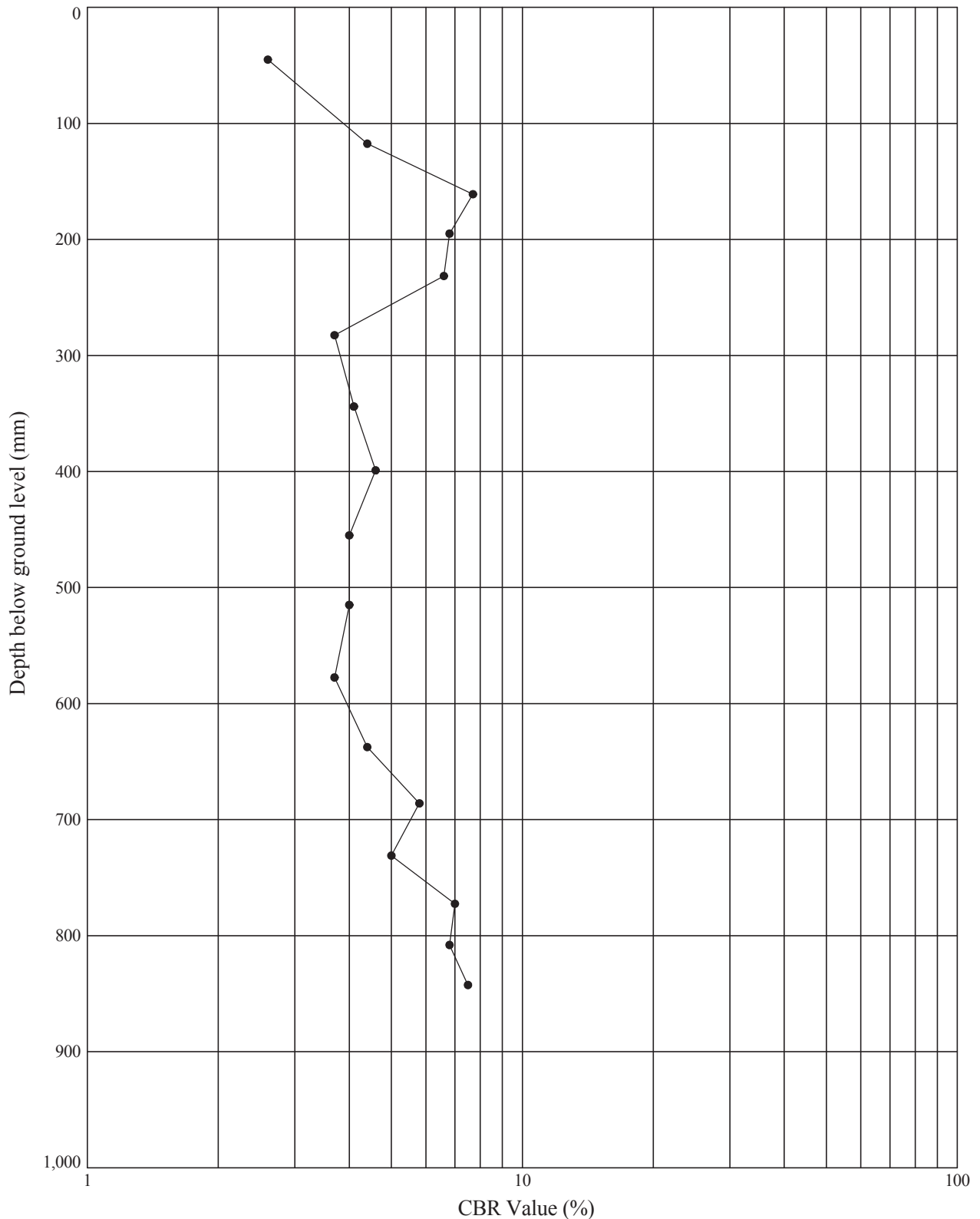
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR108**

Test Date : **08.07.13**

Ground Level (m AOD): **6.17**

National Grid Co-ordinates: **E:353014.0 N:178619.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Avonmouth Dock.



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Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

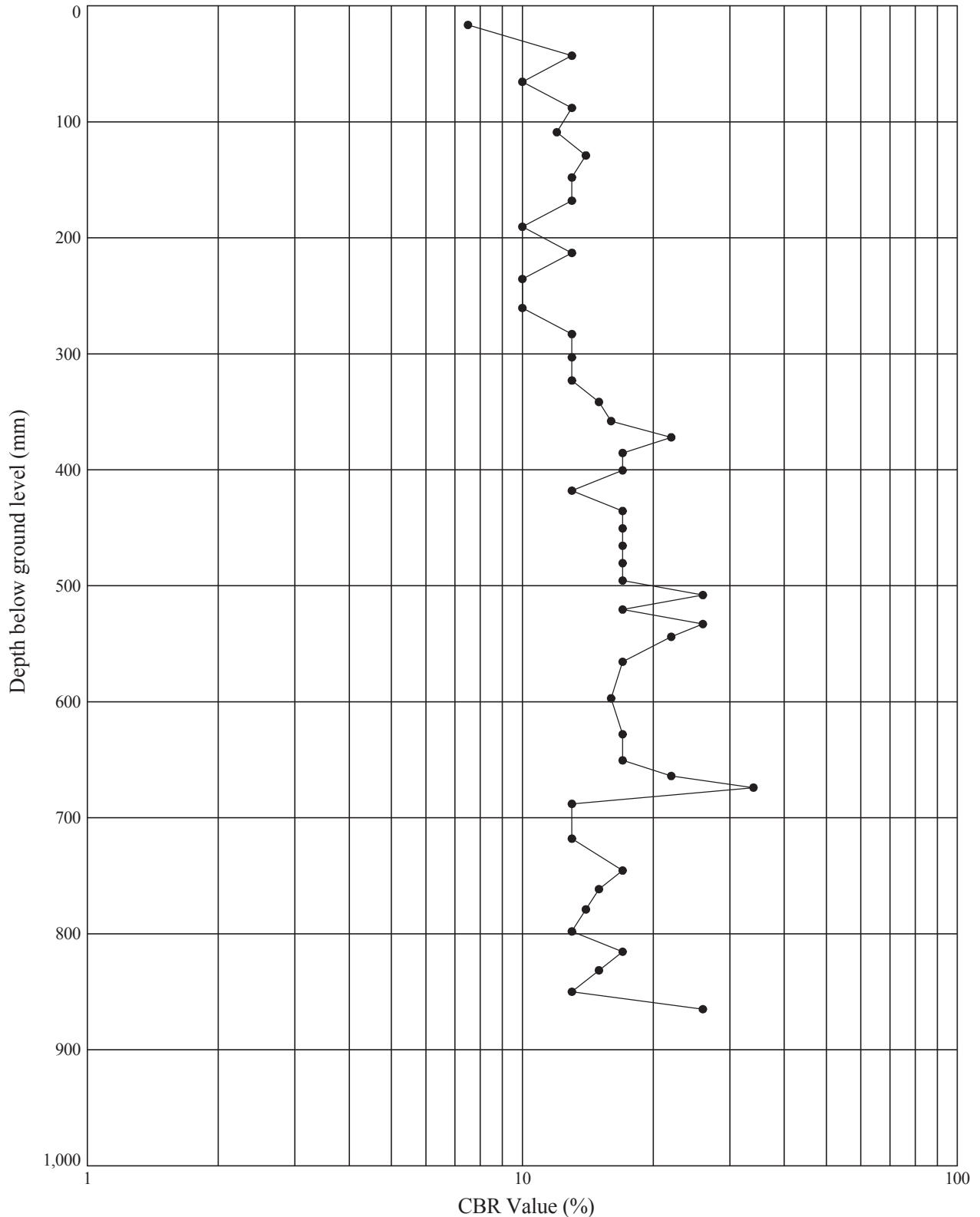
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR109**

Test Date : **09.07.13**

Ground Level (m AOD): **5.89**

National Grid Co-ordinates: **E:353420.2 N:178800.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Rough grass land. Location: Avonmouth.



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Contract Ref:

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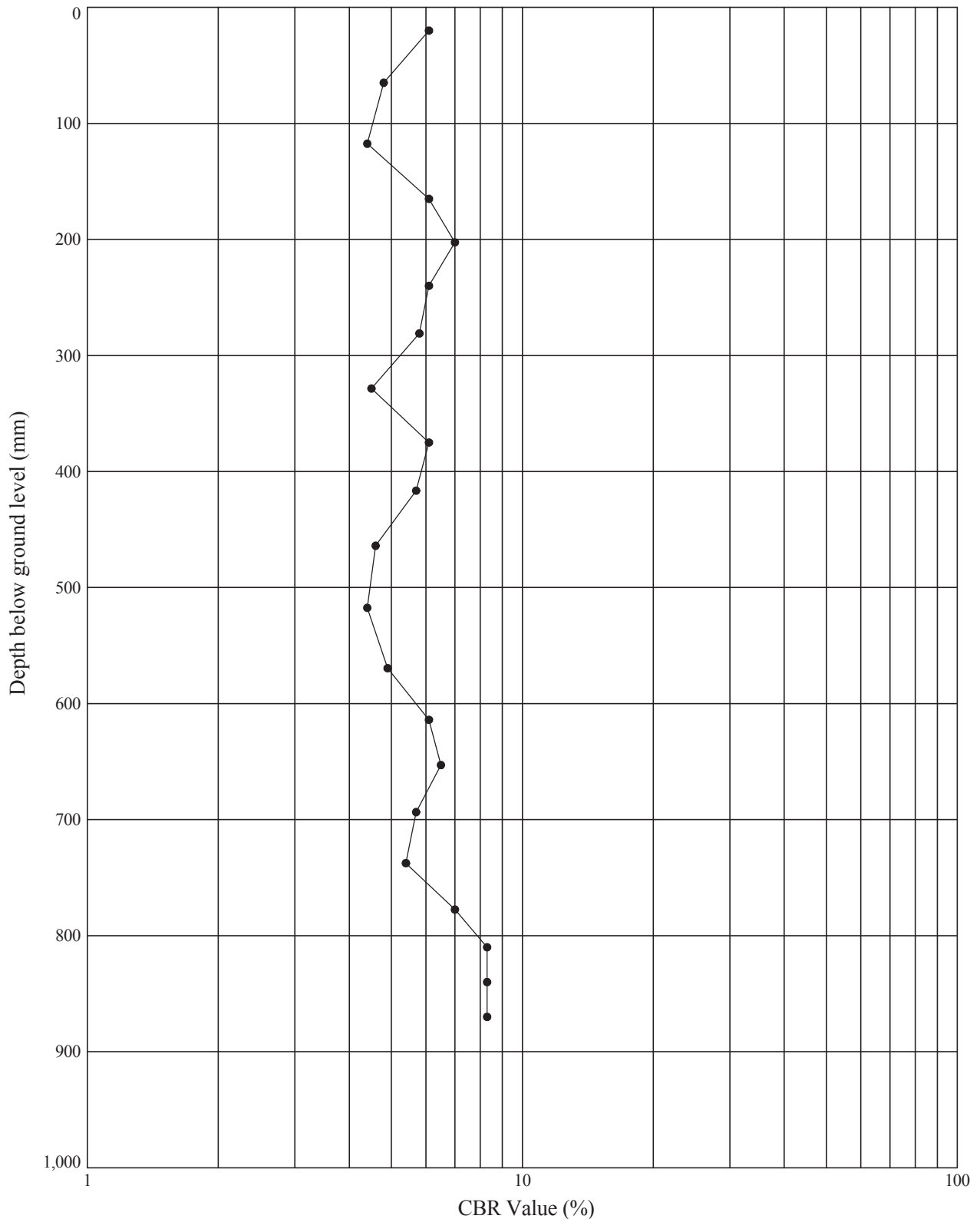
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR112**

Test Date : **09.07.13**

Ground Level (m AOD): **6.10**

National Grid Co-ordinates: **E:353801.6 N:179199.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Avonmouth.



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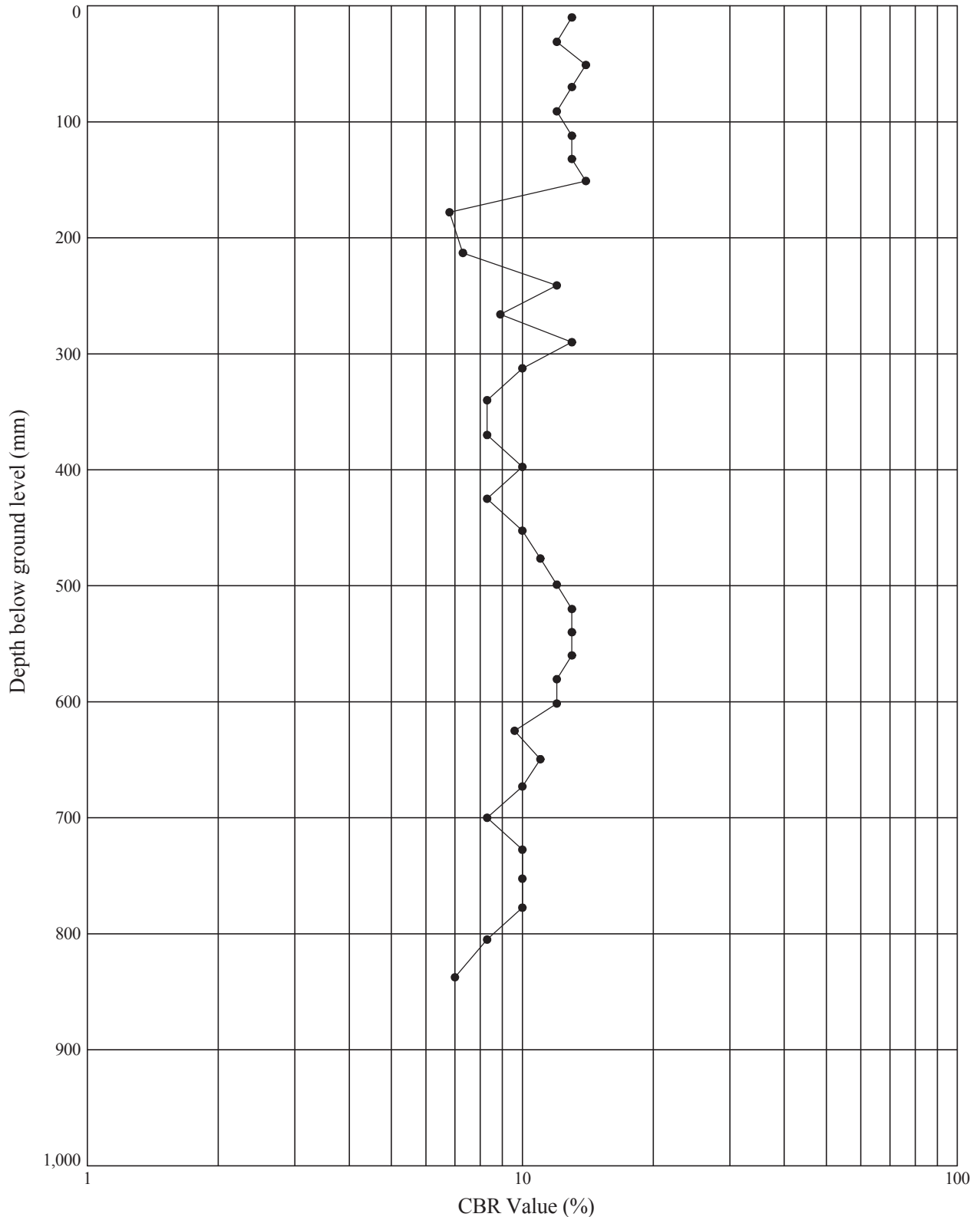
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR113**

Test Date : **09.07.13**

Ground Level (m AOD): **5.02**

National Grid Co-ordinates: **E:354035.7 N:179613.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass verge. Location: Avonmouth.



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Compiled By

Date

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Date

17/10/13

17/10/13

Contract:

**Hinkley to Seabank 400kV
Connection**

Contract Ref:

727635

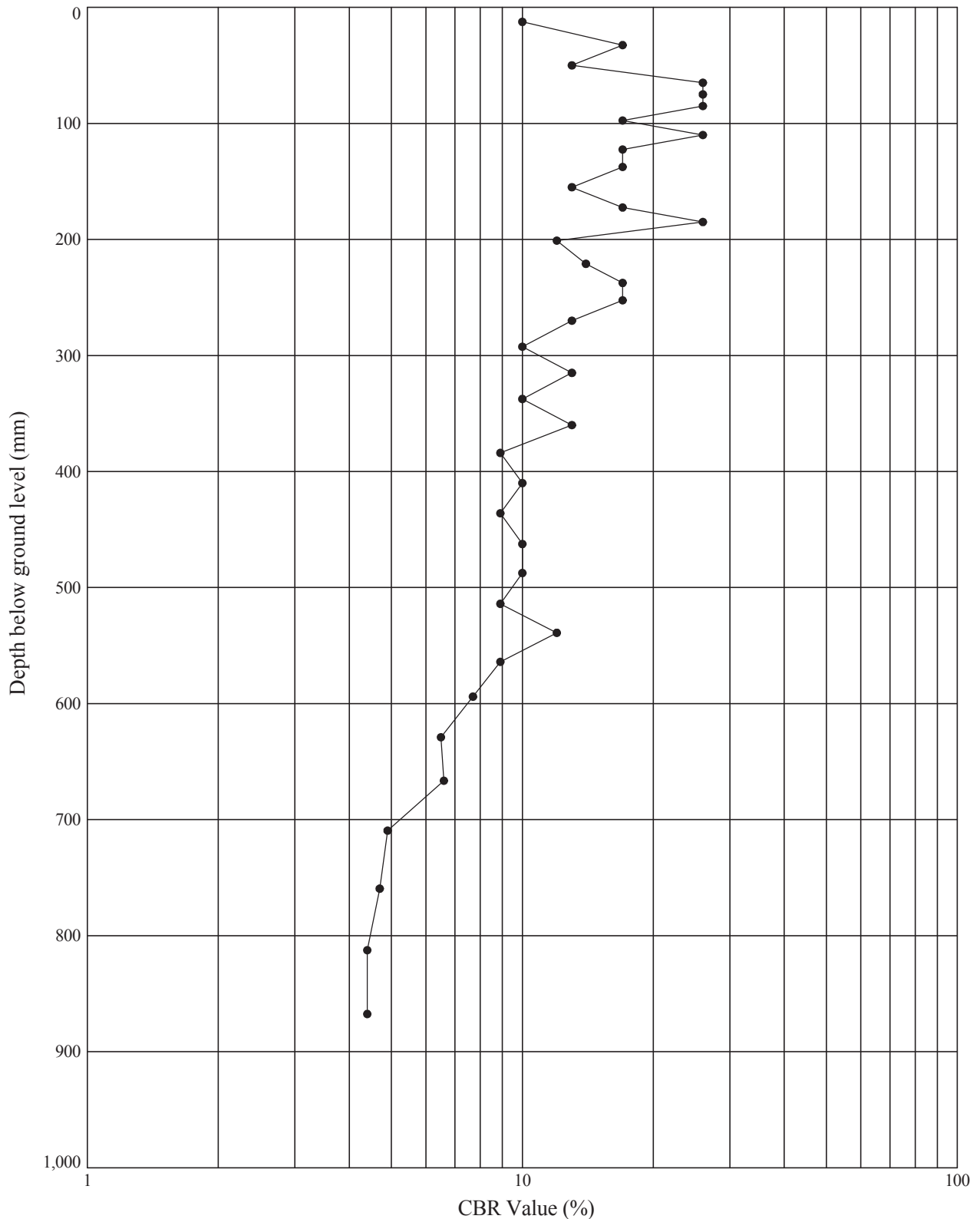
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR114**

Test Date : **09.07.13**

Ground Level (m AOD): **6.13**

National Grid Co-ordinates: **E:354013.5 N:180066.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Avonmouth.



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Contract:

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Connection**

Contract Ref:

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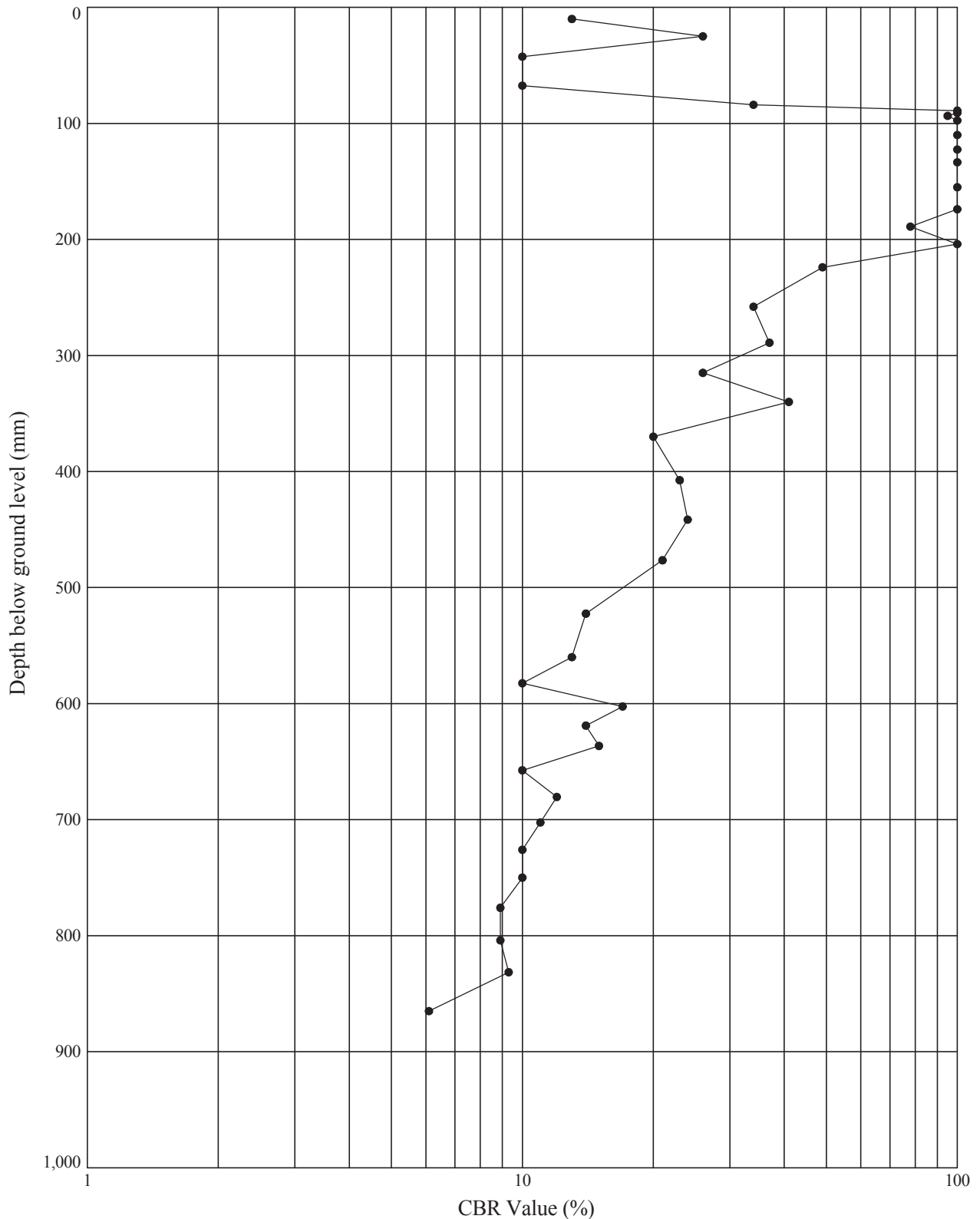
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR115**

Test Date : **09.07.13**

Ground Level (m AOD): **7.14**

National Grid Co-ordinates: **E:353853.2 N:180061.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass bank with plastic mesh (multicell) surface. Location: Avonmouth.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

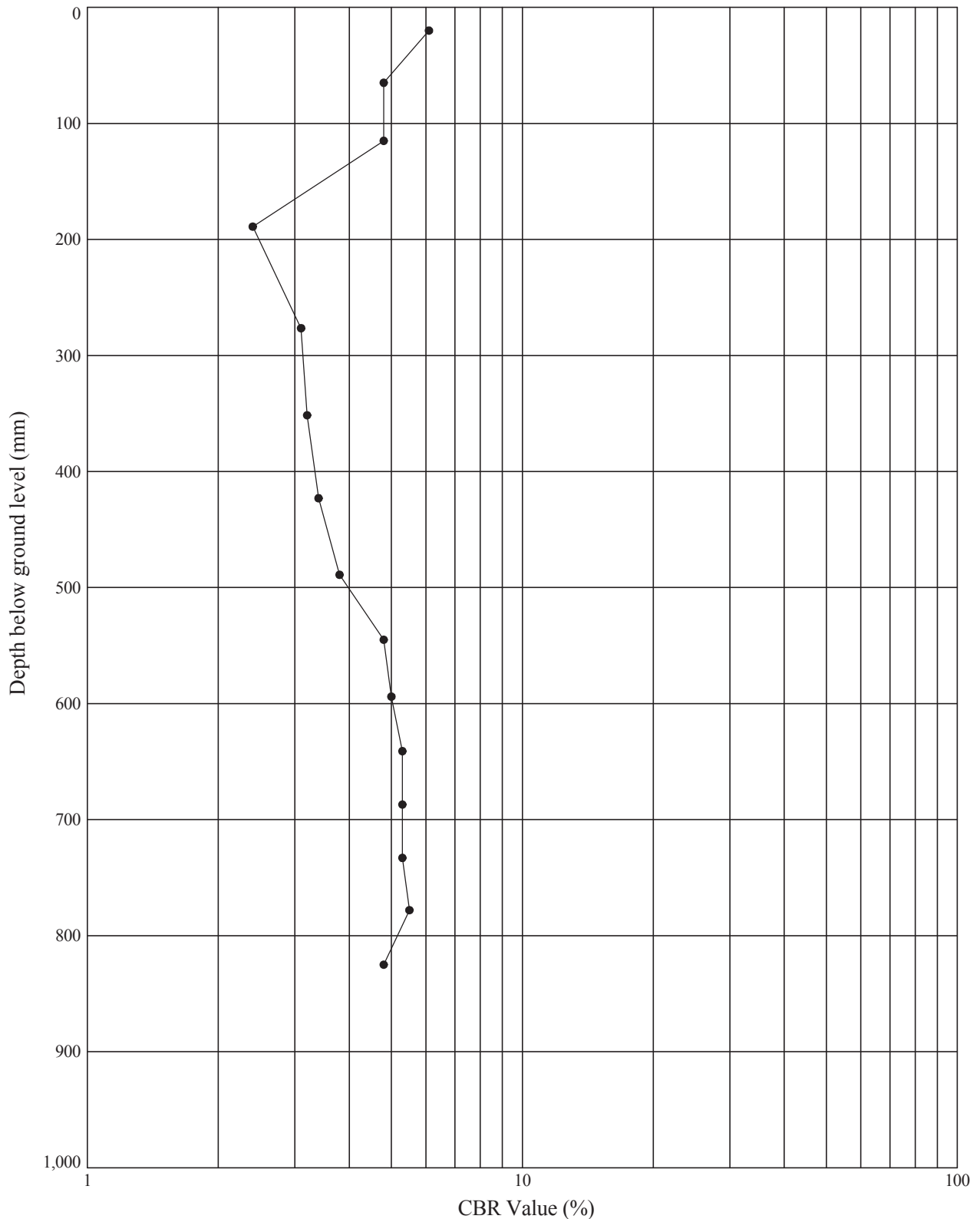
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR116**

Test Date : **09.07.13**

Ground Level (m AOD): **5.78**

National Grid Co-ordinates: **E:354215.7 N:180341.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Hallen.



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Contract:

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Contract Ref:

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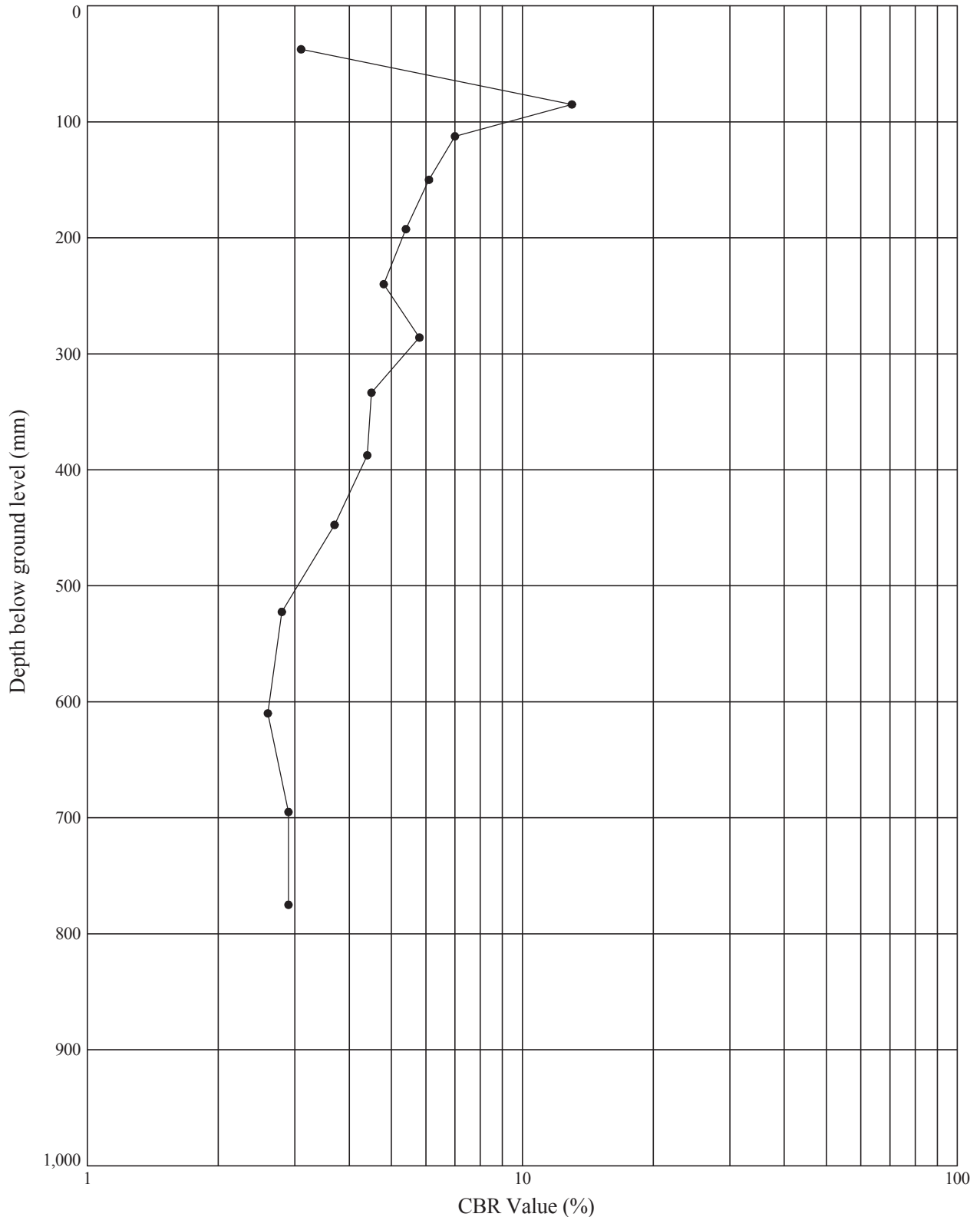
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR117**

Test Date : **09.07.13**

Ground Level (m AOD): **6.28**

National Grid Co-ordinates: **E:354342.8 N:180645.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Hallen.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

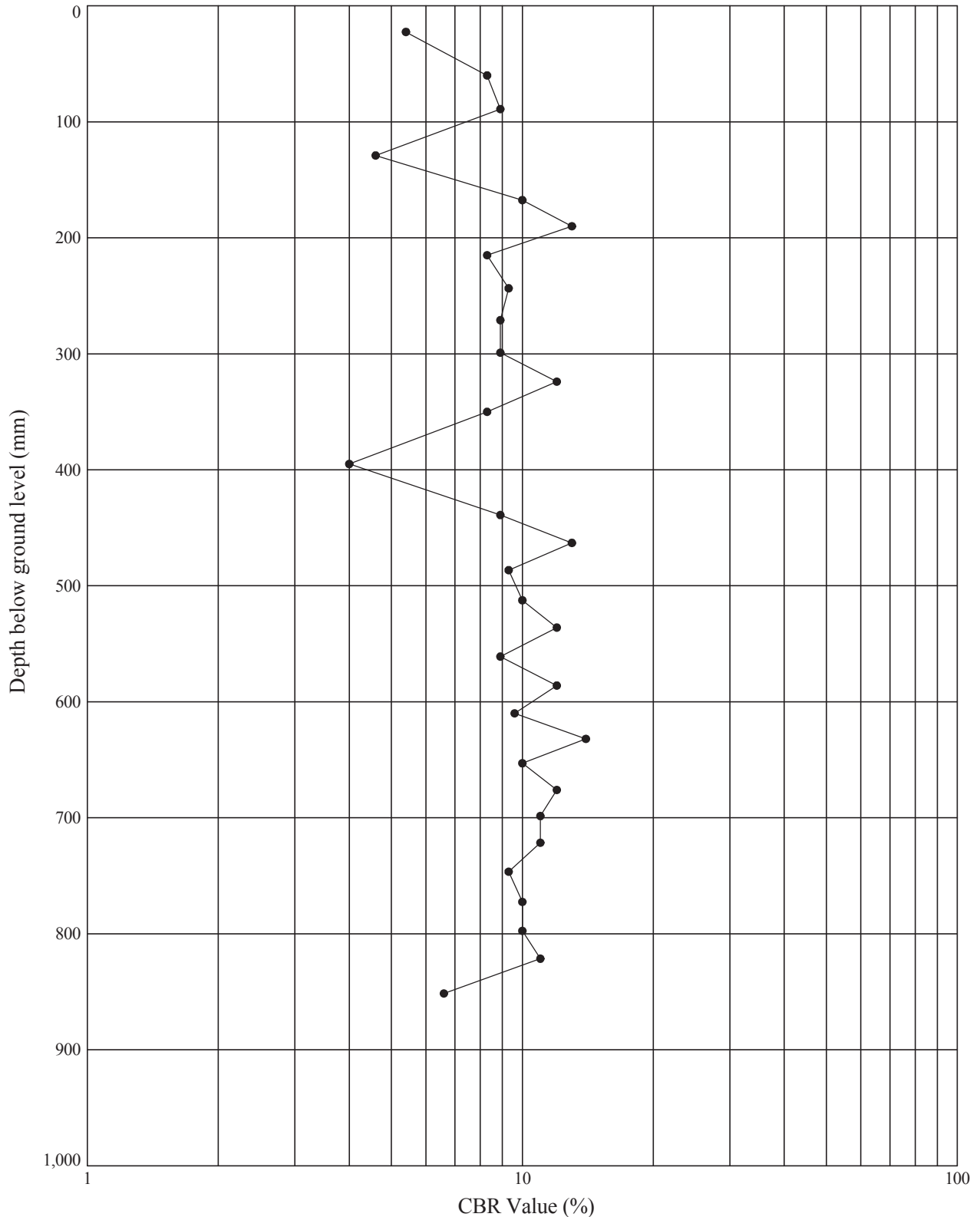
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR118**

Test Date : **09.07.13**

Ground Level (m AOD): **6.37**

National Grid Co-ordinates: **E:354292.1 N:180703.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Hallen.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

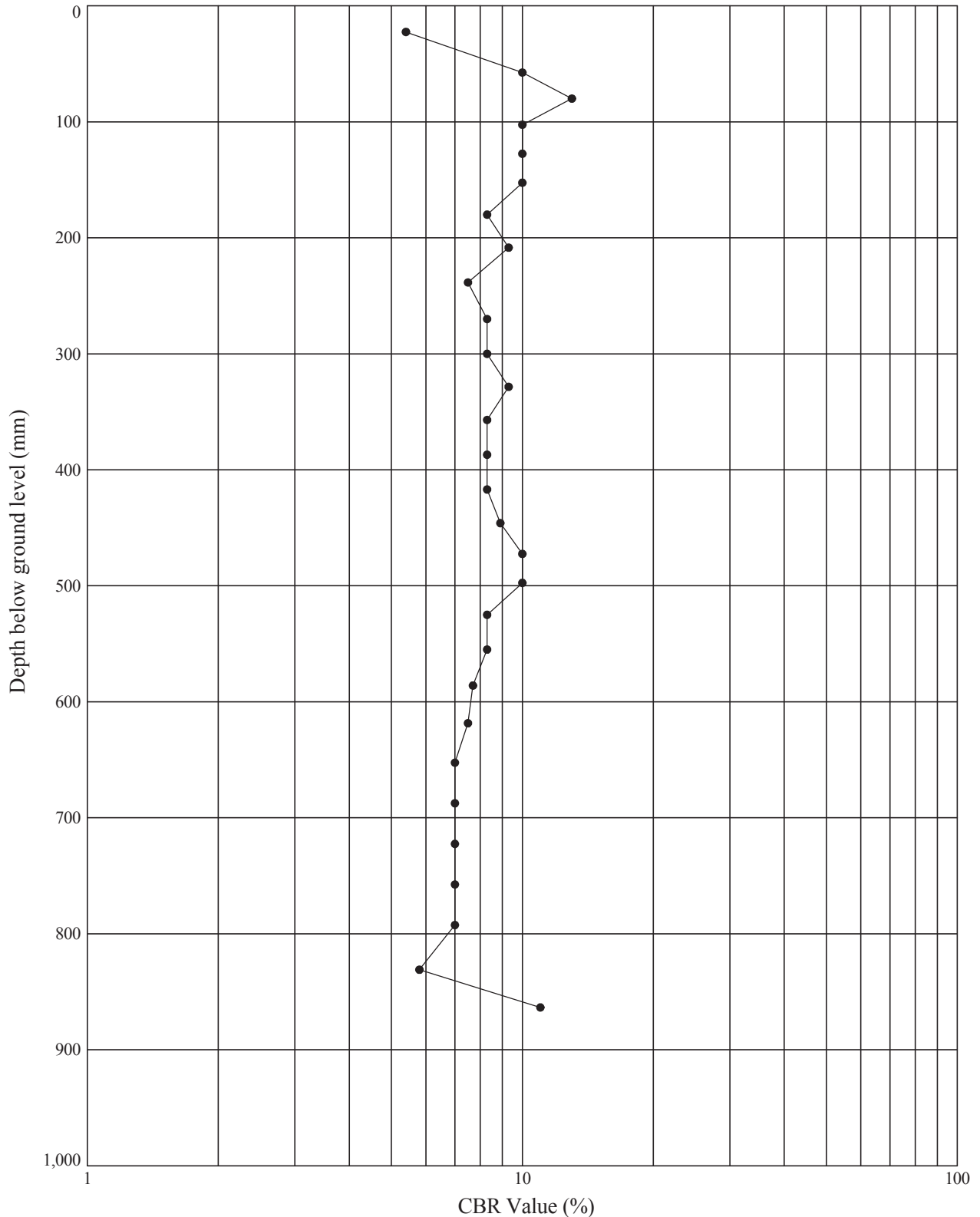
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-CBR119**

Test Date : **09.07.13**

Ground Level (m AOD): **6.39**

National Grid Co-ordinates: **E:354344.4 N:180971.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Hallen.



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Contract:

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Connection**

Contract Ref:

727635

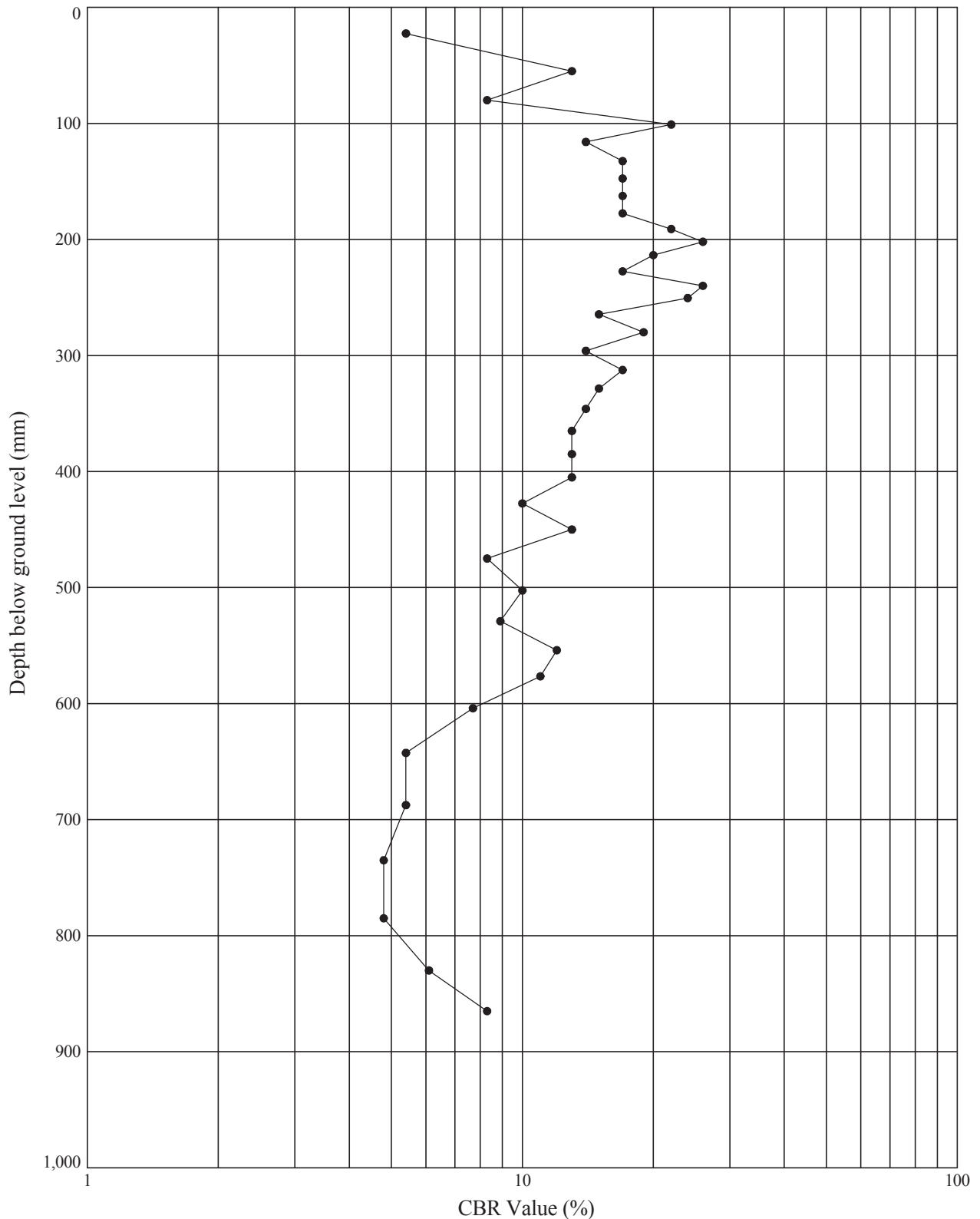
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-PD-CBR3**

Test Date : **08.07.13**

Ground Level (m AOD): **7.90**

National Grid Co-ordinates: **E:348497.9 N:175945.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass field. Location: Portbury.



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Contract:

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Contract Ref:

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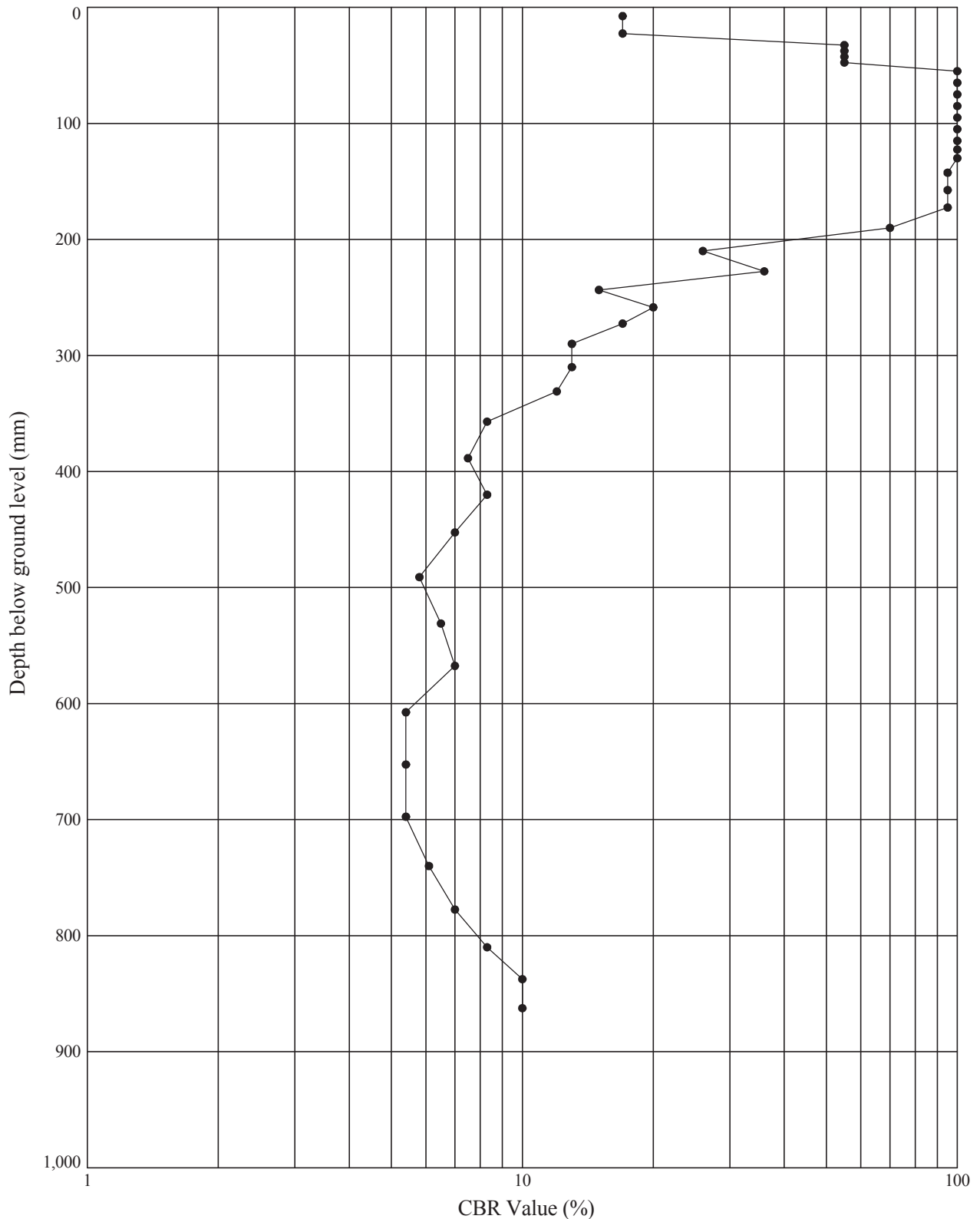
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **OH-PD-CBR4**

Test Date : **08.07.13**

Ground Level (m AOD): **10.23**

National Grid Co-ordinates: **E:348562.2 N:176053.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Grass at side of stone track. Location: Portbury.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

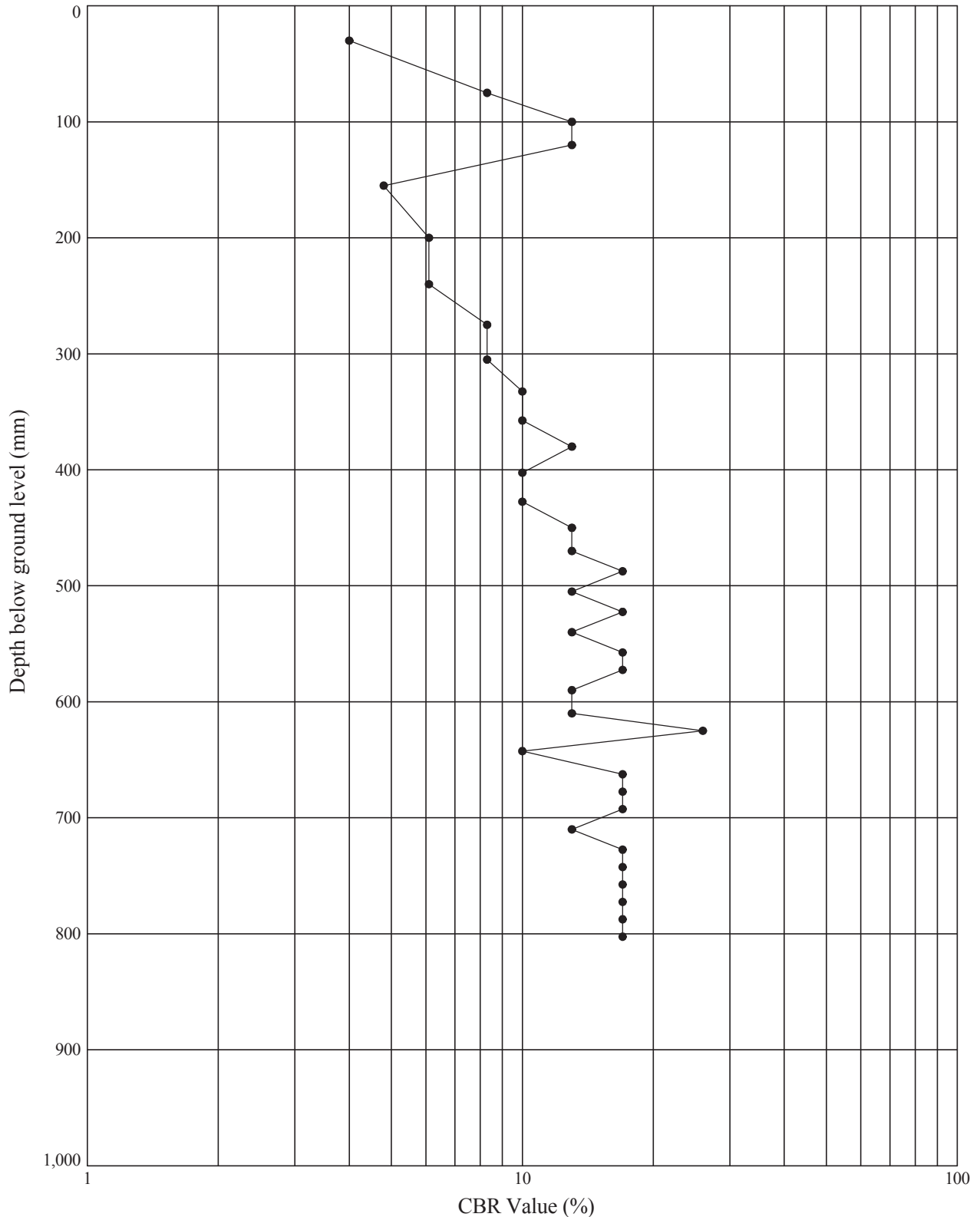
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR1**

Test Date : **02.04.13**

Ground Level (m AOD): **5.83**

National Grid Co-ordinates: **E:337381.8 N:154514.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture. Location: Biddisham.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

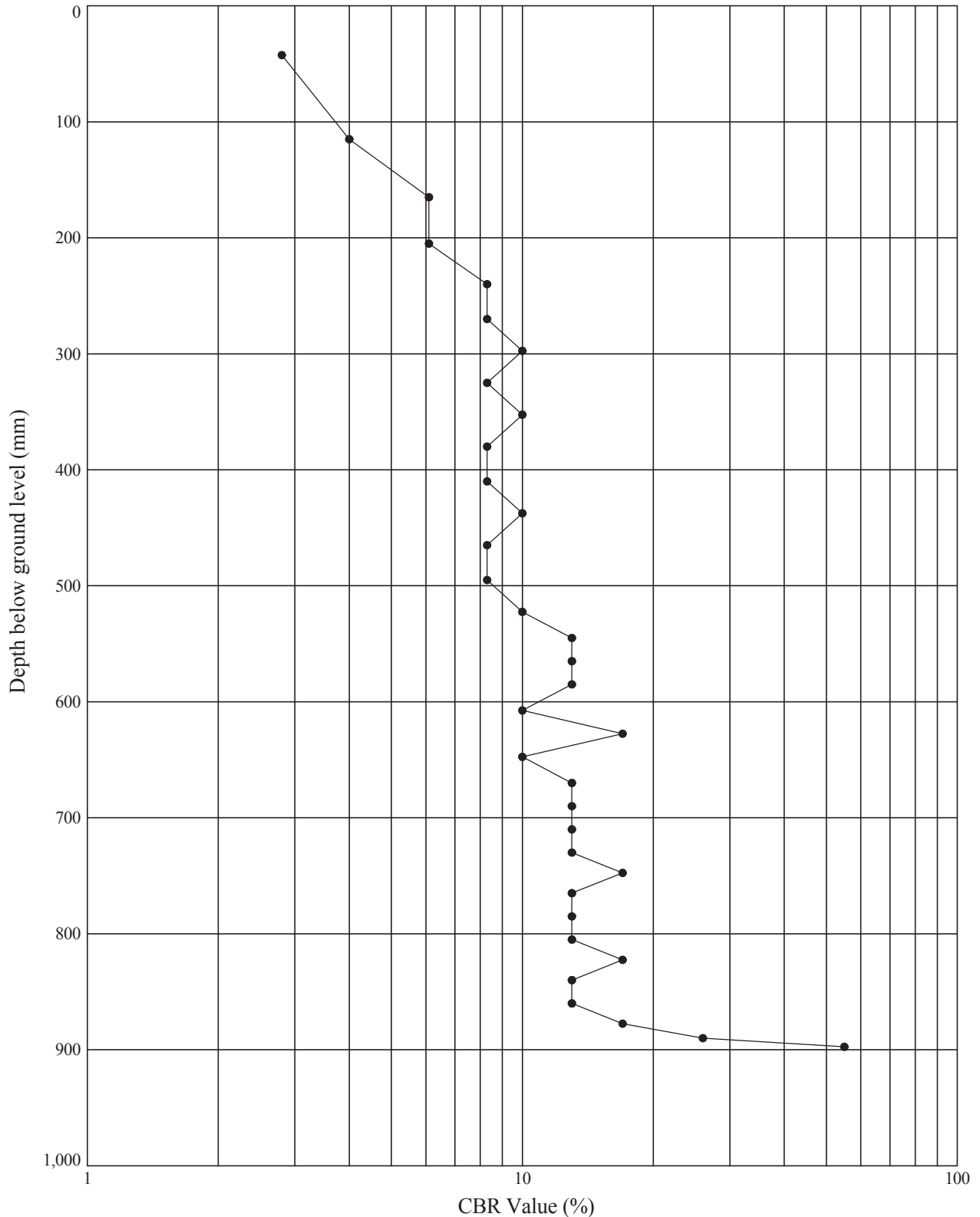
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR2**

Test Date : **02.04.13**

Ground Level (m AOD): **5.87**

National Grid Co-ordinates: **E:337527.5 N:154661.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Biddisham.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

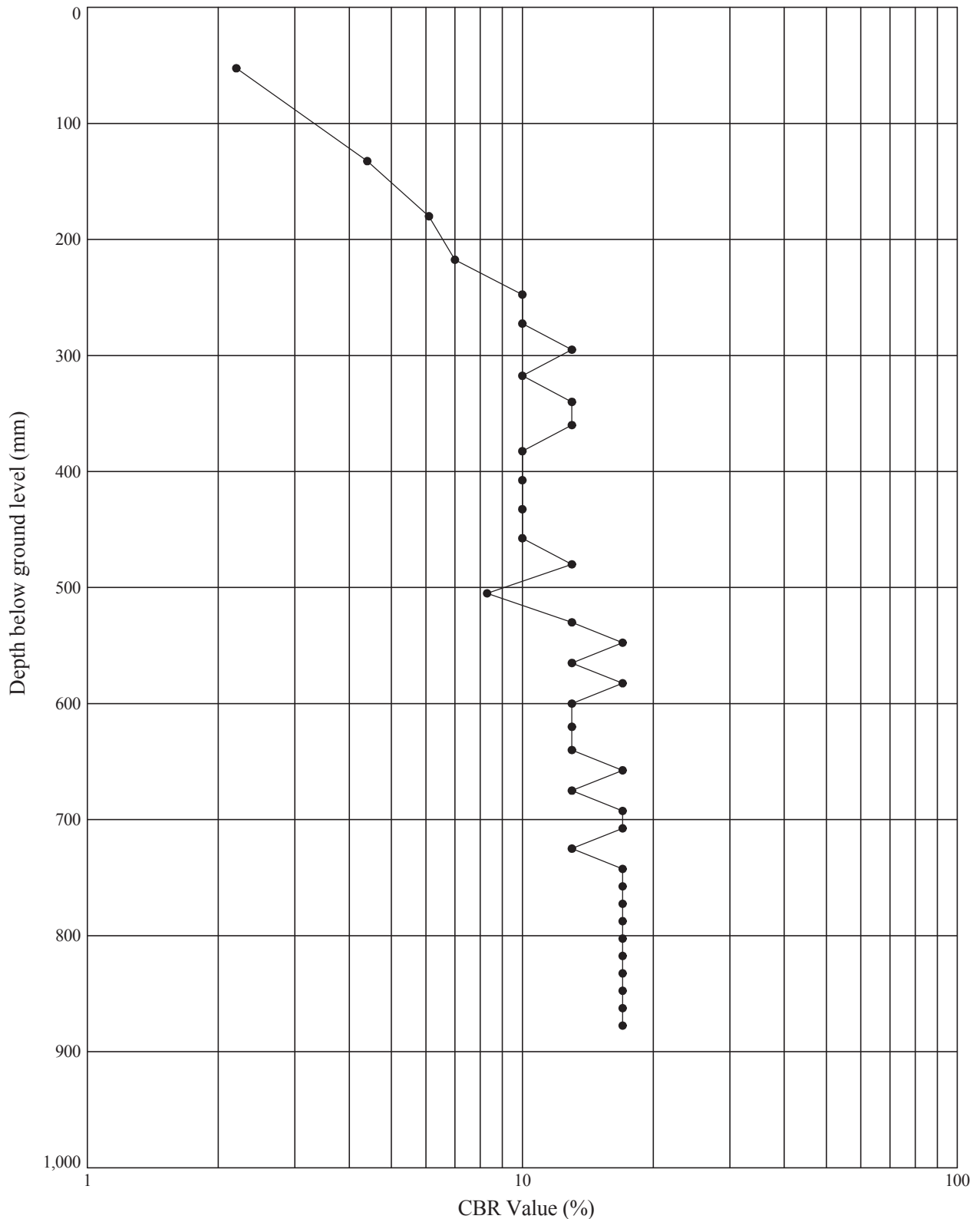
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR3**

Test Date : **02.04.13**

Ground Level (m AOD): **6.10**

National Grid Co-ordinates: **E:337640.3 N:154764.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Biddisham.



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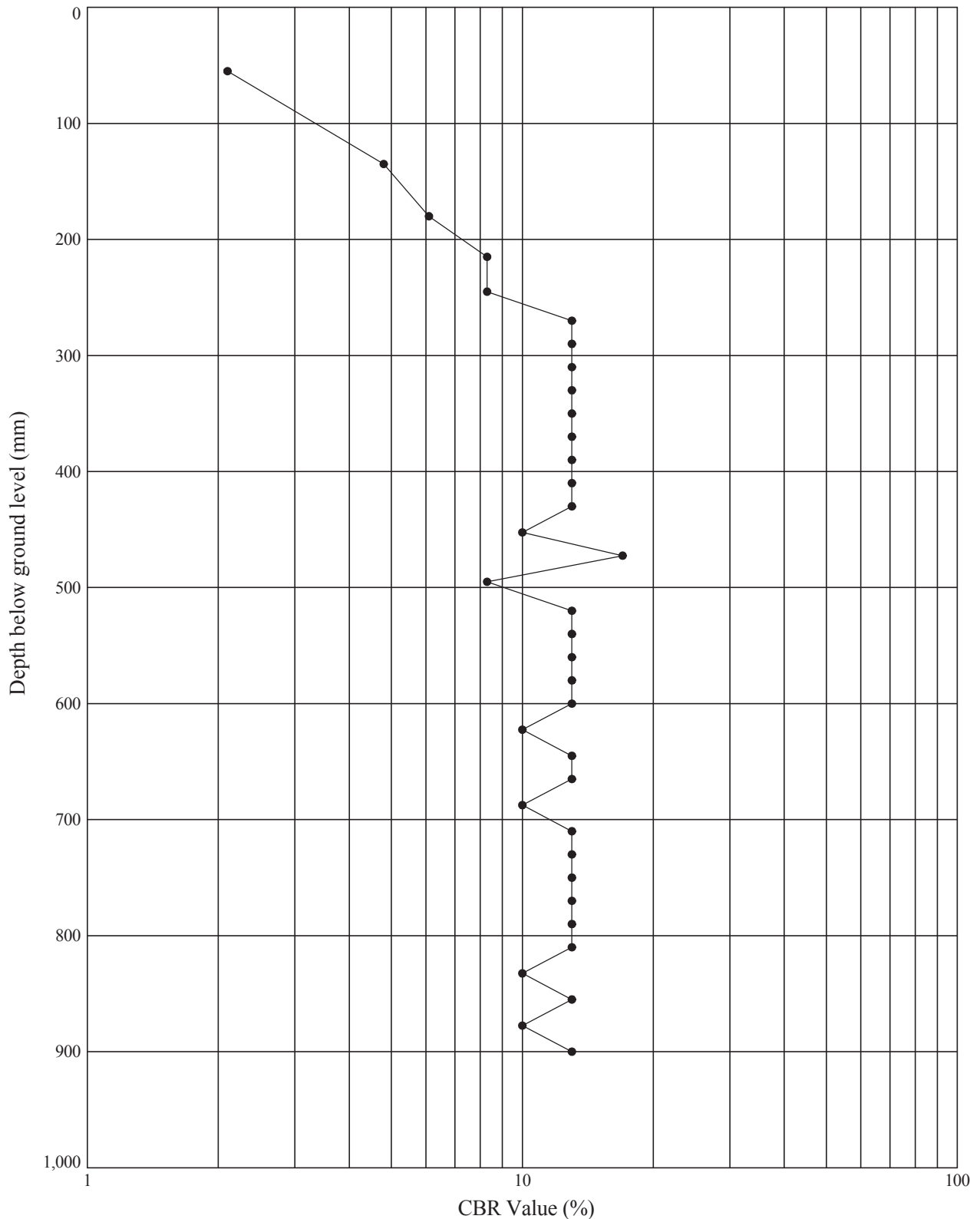
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR4**

Test Date : **02.04.13**

Ground Level (m AOD): **6.42**

National Grid Co-ordinates: **E:337822.2 N:154845.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Biddisham.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
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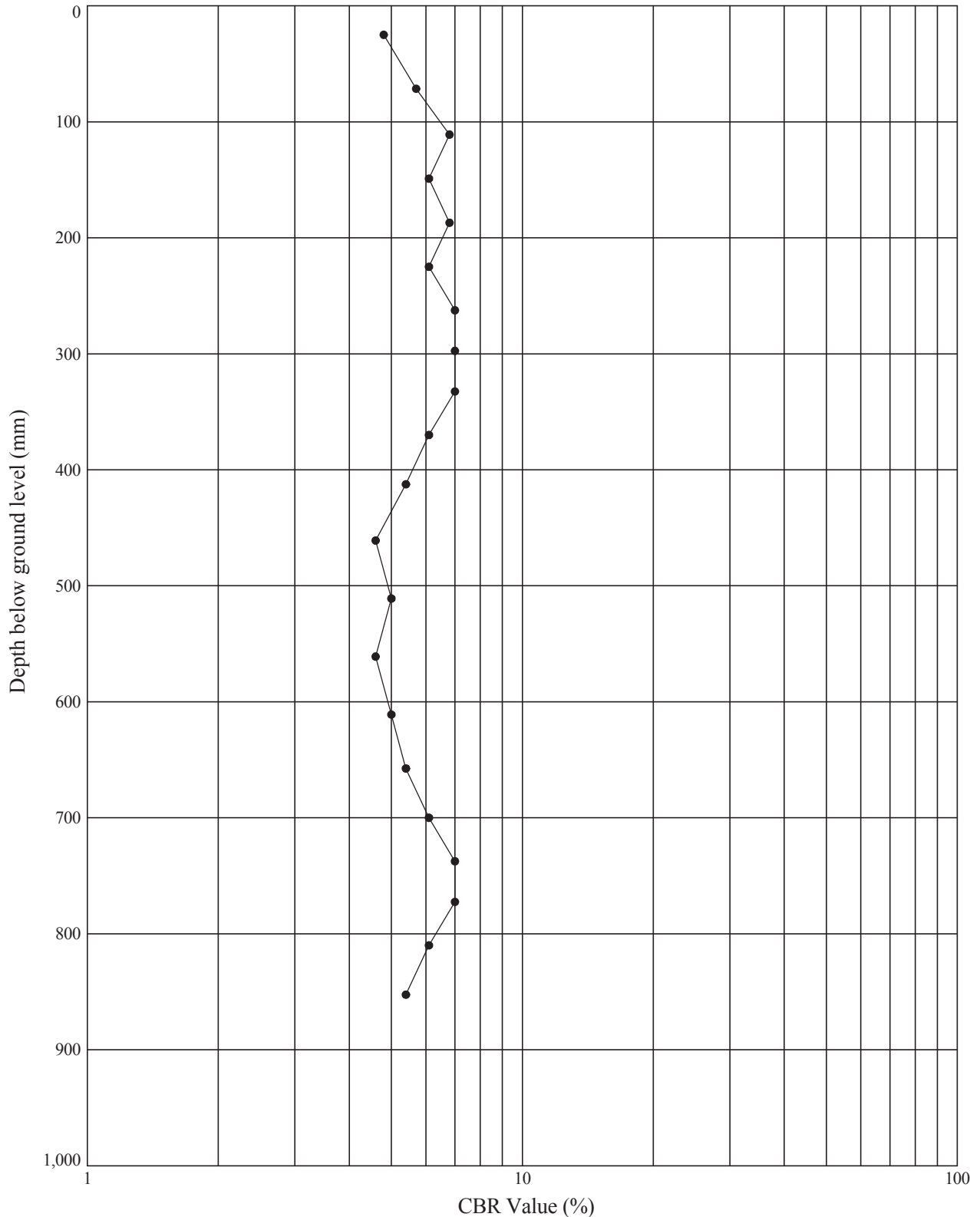
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR5**

Test Date : **02.04.13**

Ground Level (m AOD): **7.38**

National Grid Co-ordinates: **E:337901.3 N:154912.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

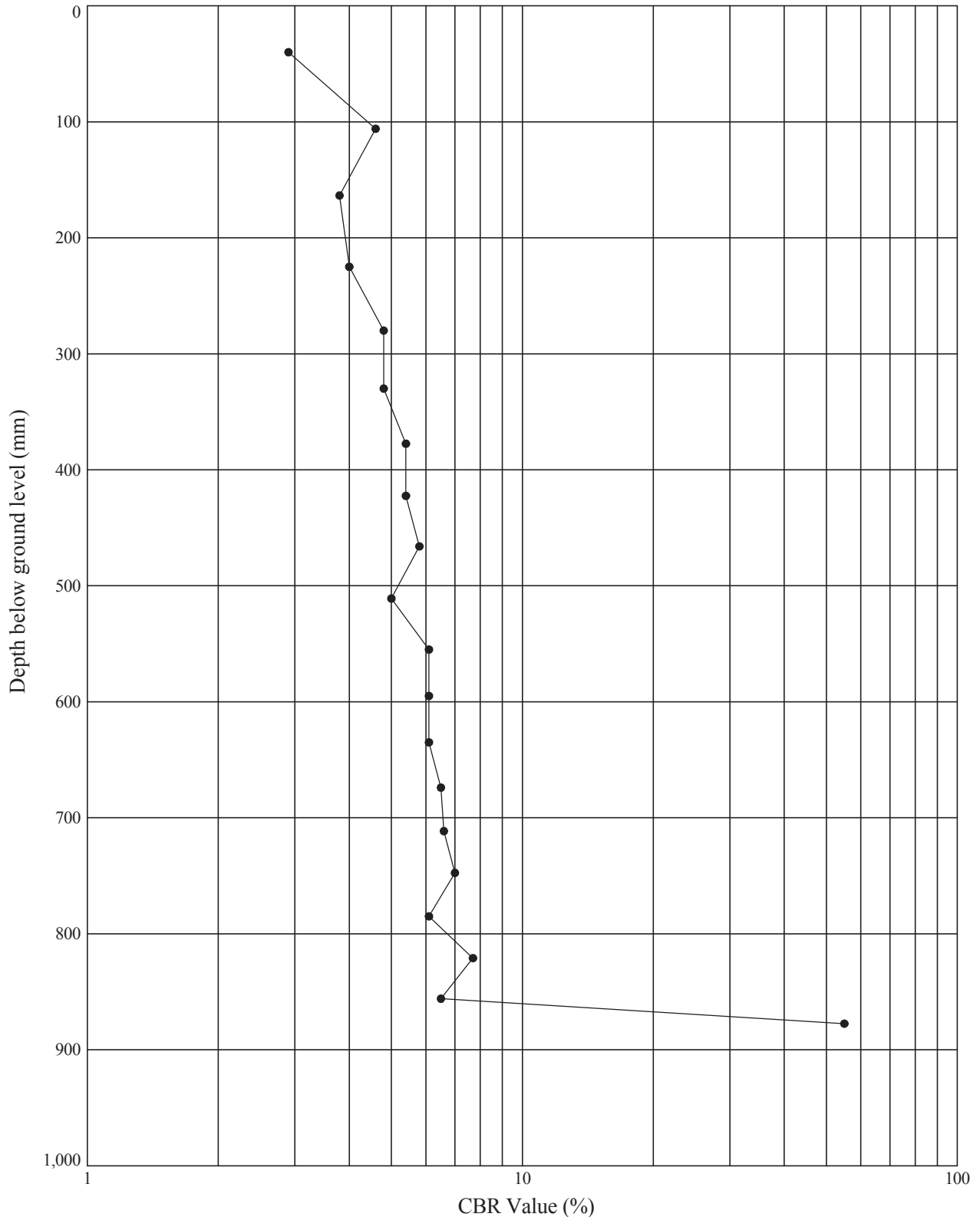
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR6**

Test Date : **02.04.13**

Ground Level (m AOD): **6.47**

National Grid Co-ordinates: **E:338074.7 N:155093.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Webbington.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

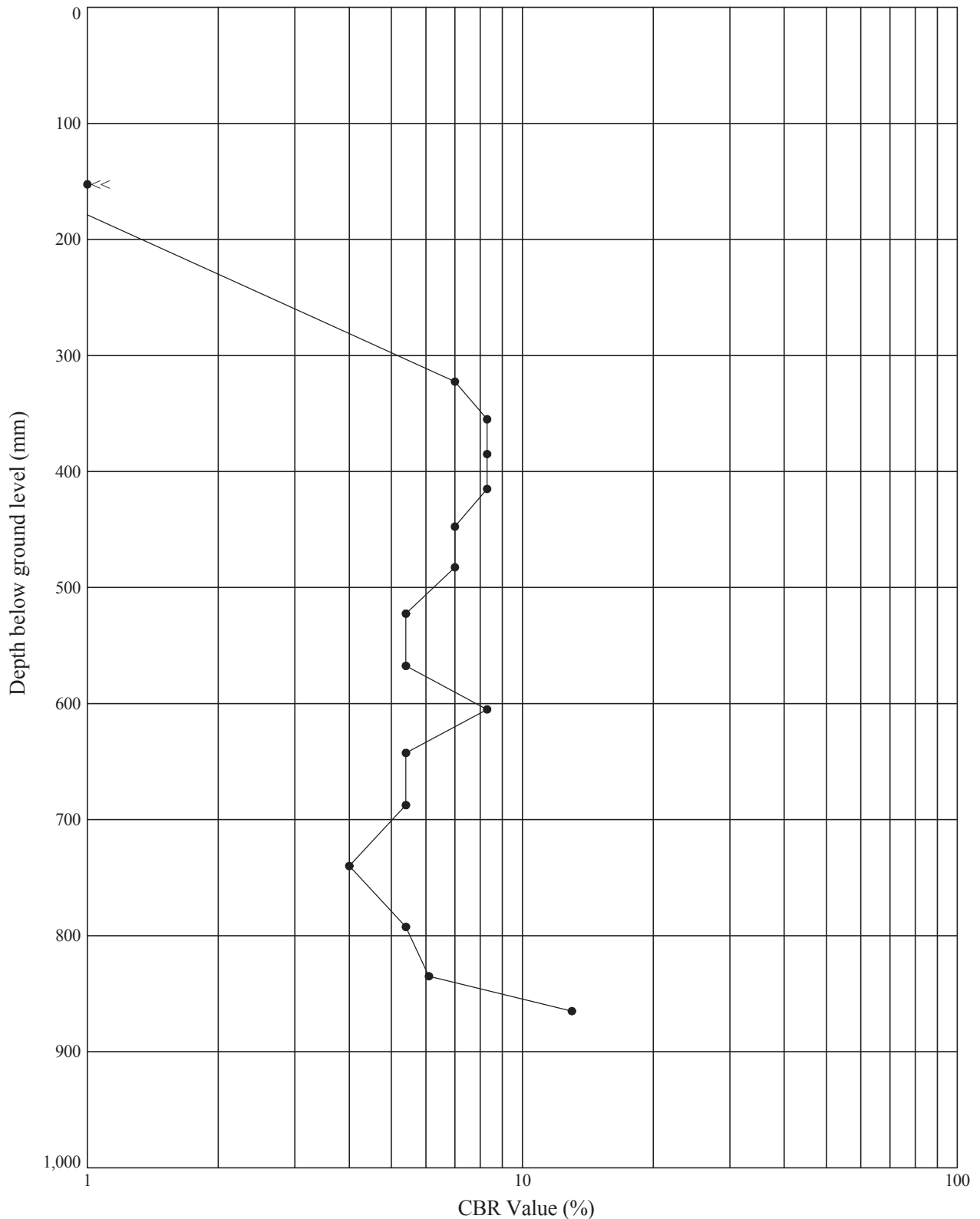
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR7**

Test Date : **02.04.13**

Ground Level (m AOD): **6.76**

National Grid Co-ordinates: **E:338067.8 N:155292.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test in ploughed field. Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

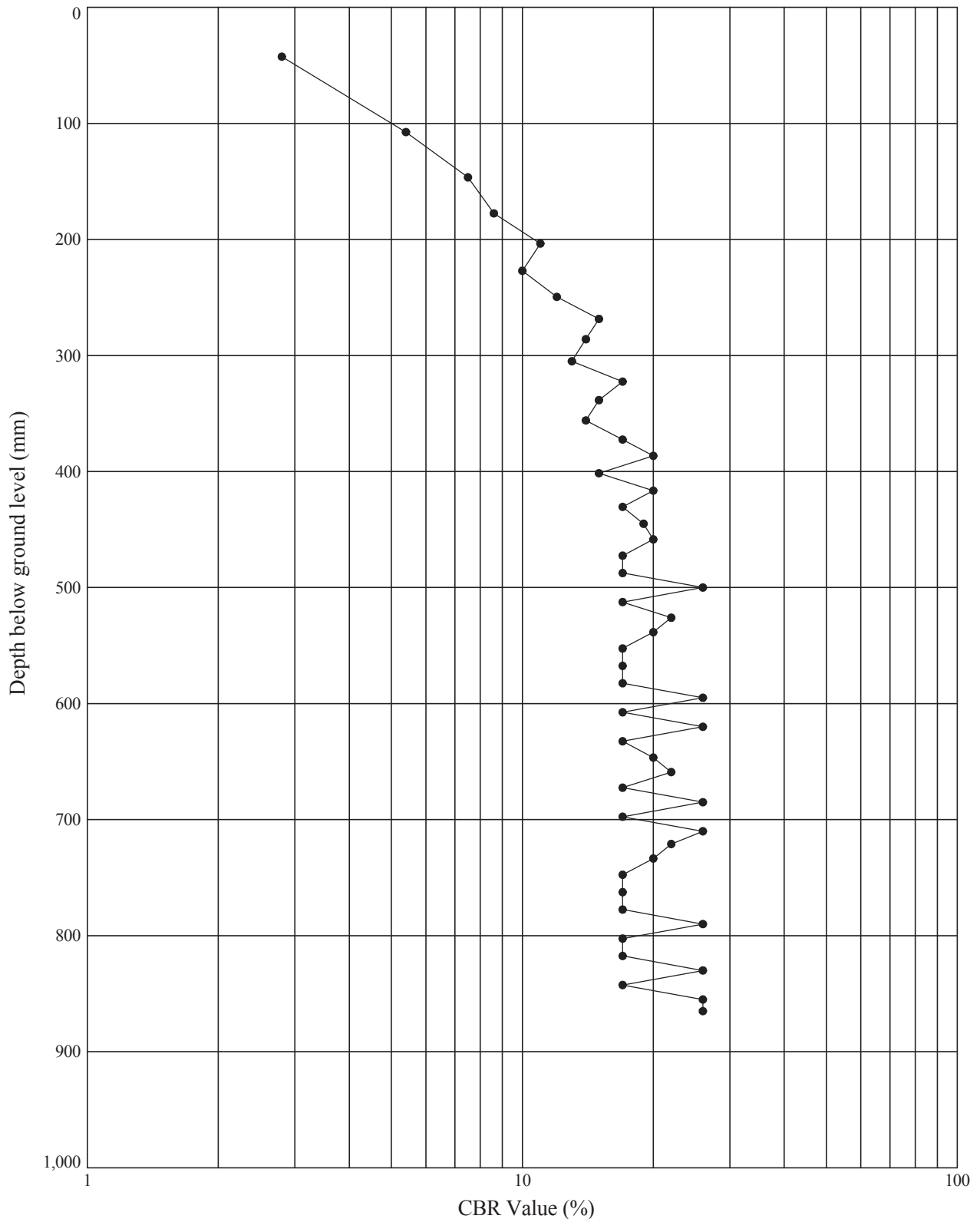
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR8**

Test Date : **02.04.13**

Ground Level (m AOD): **6.83**

National Grid Co-ordinates: **E:338034.8 N:155475.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test position in pasture land. Location: Webbington.



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Contract Ref:

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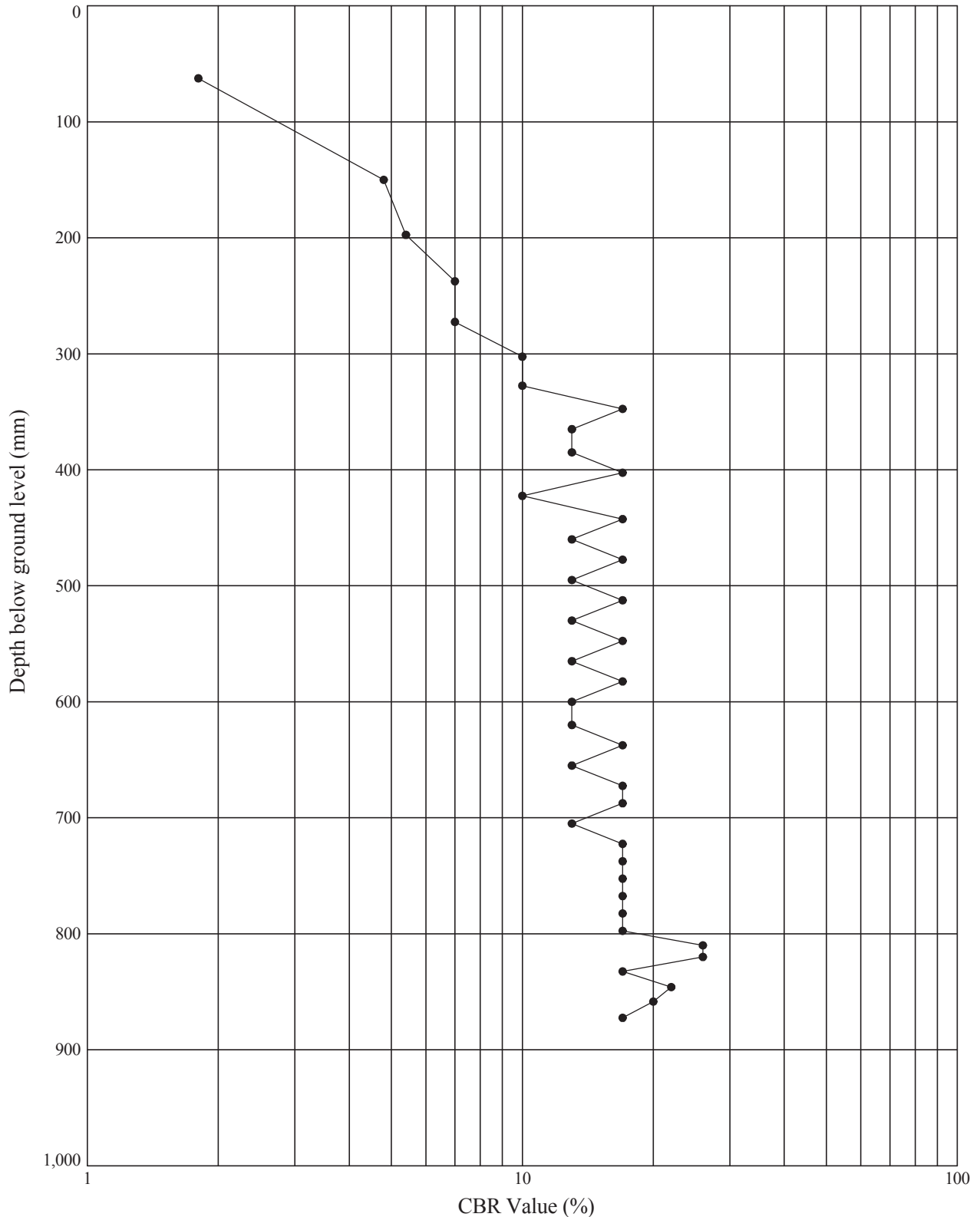
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR9**

Test Date : **02.04.13**

Ground Level (m AOD): **6.69**

National Grid Co-ordinates: **E:337909.0 N:155688.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

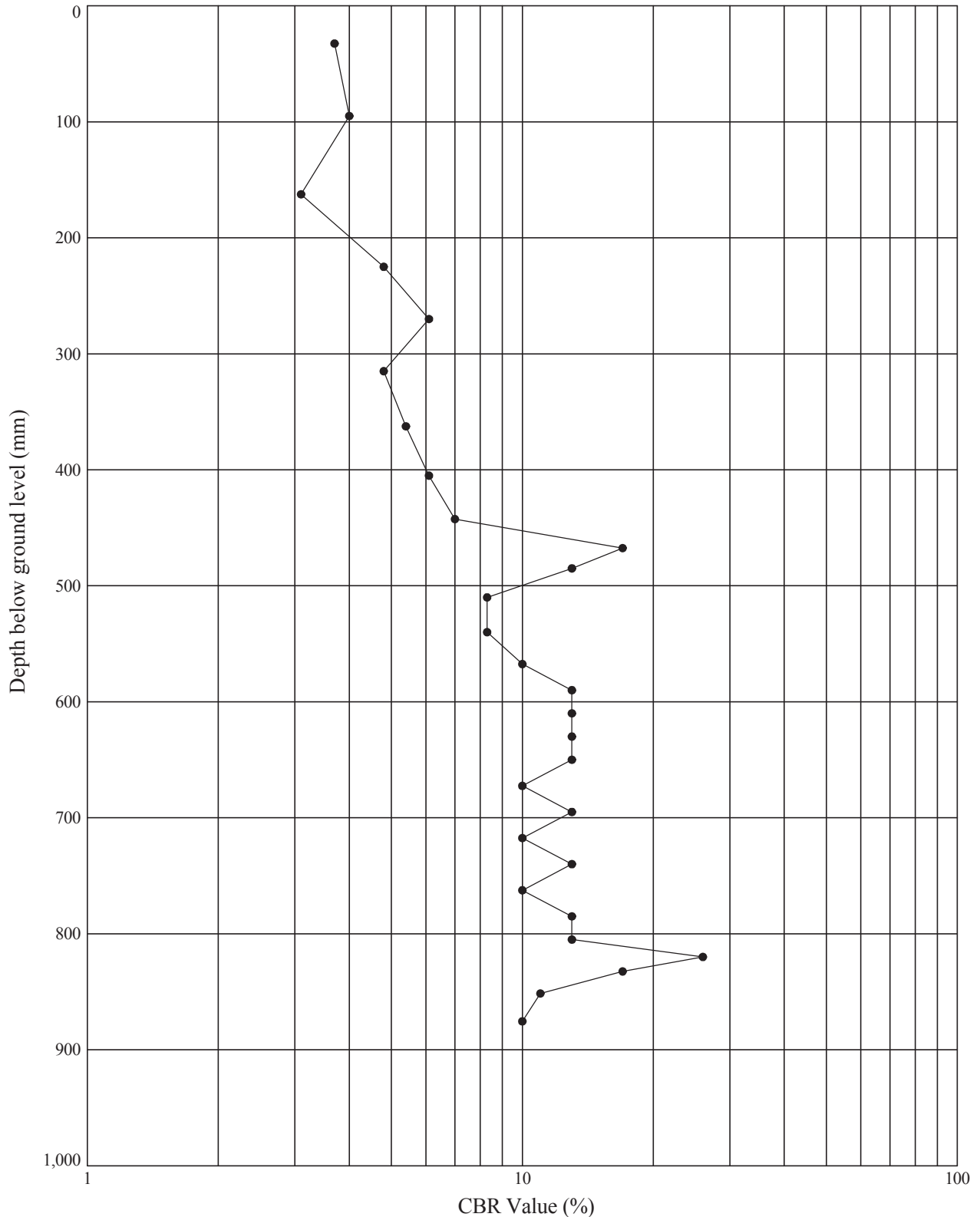
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR10**

Test Date : **02.04.13**

Ground Level (m AOD): **9.19**

National Grid Co-ordinates: **E:337983.4 N:155880.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

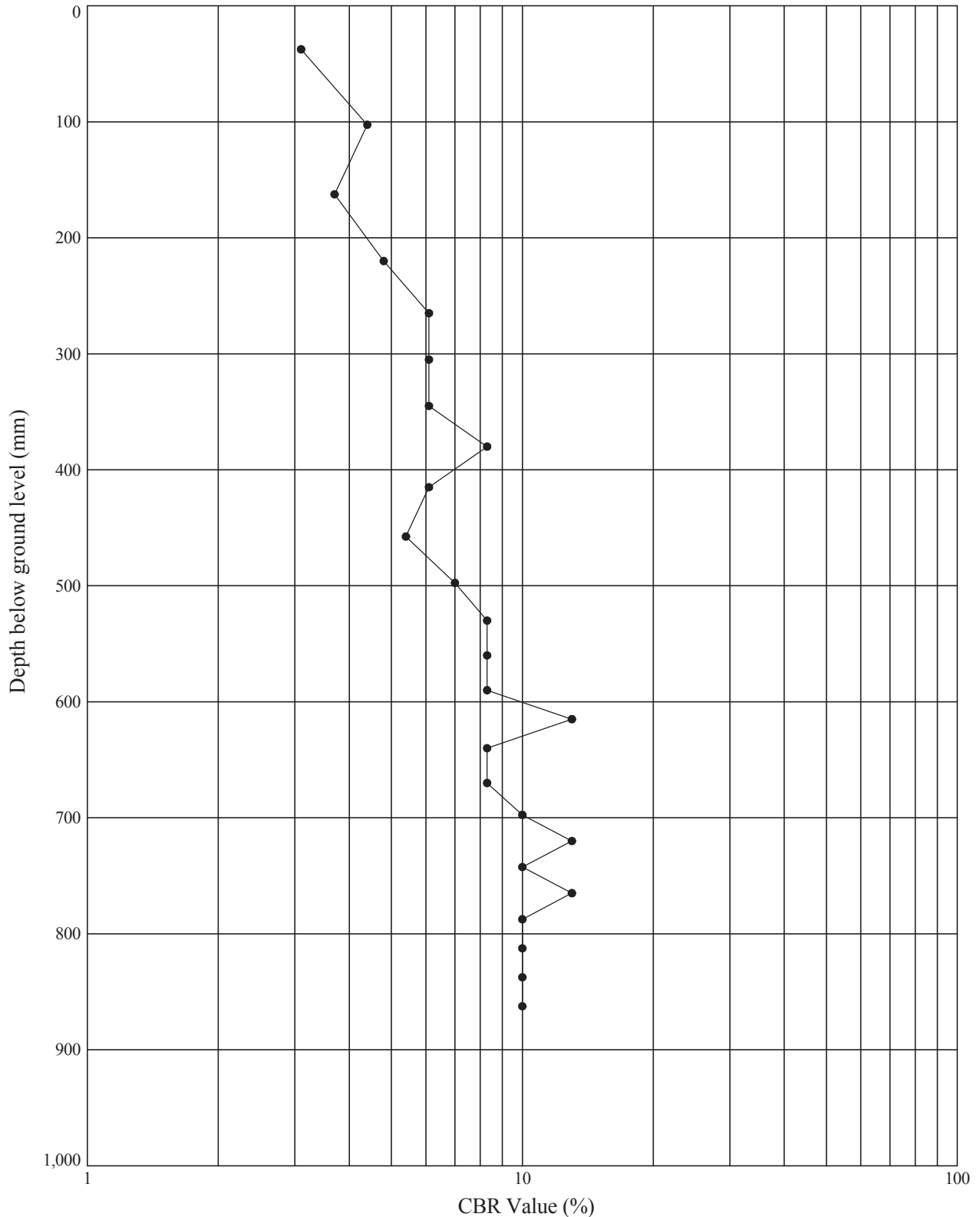
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR11**

Test Date : **02.04.13**

Ground Level (m AOD): **12.18**

National Grid Co-ordinates: **E:338044.2 N:156066.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

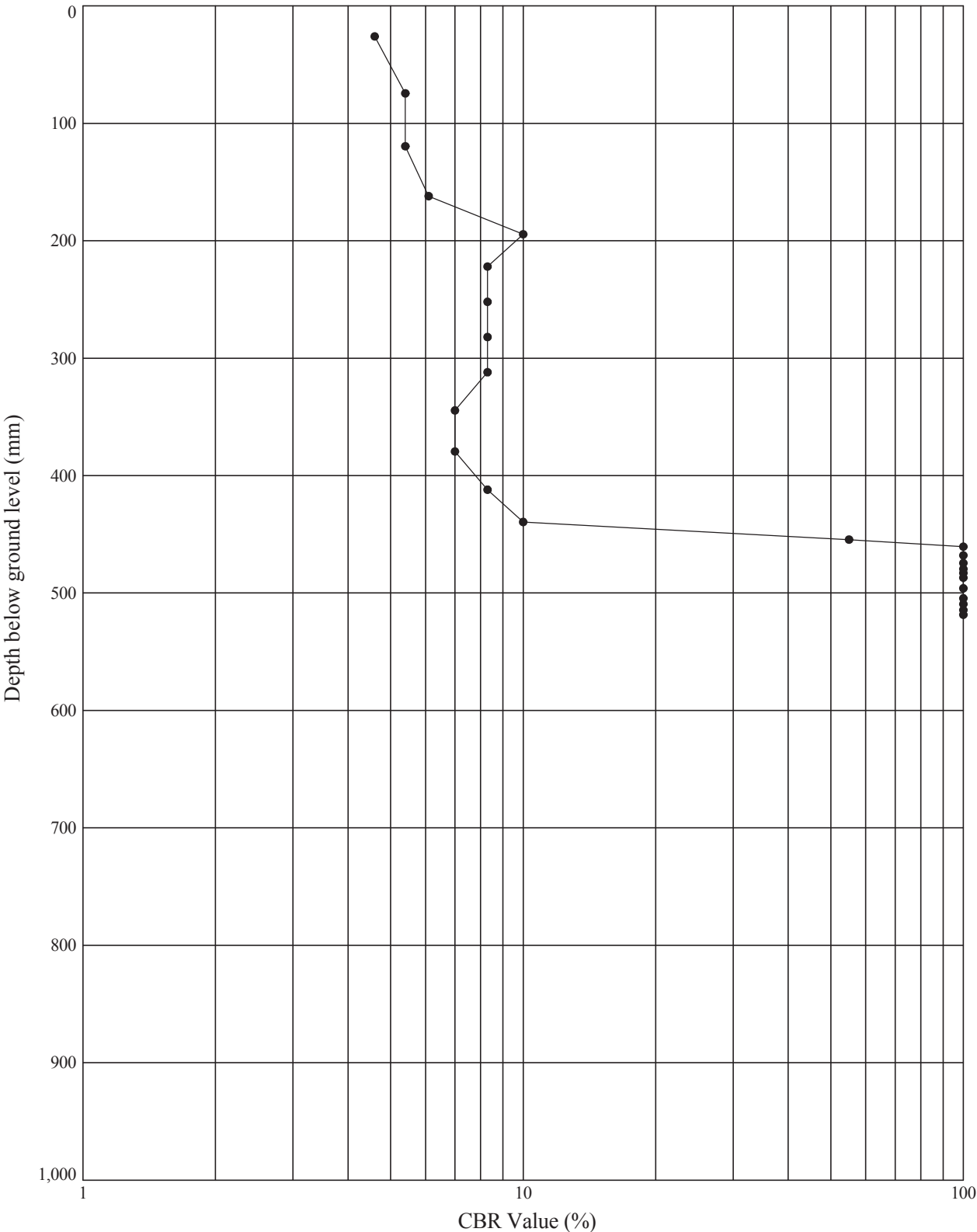
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR12**

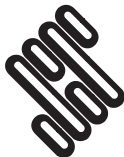
Test Date : **02.04.13**

Ground Level (m AOD): **11.79**

National Grid Co-ordinates: **E:338117.3 N:156245.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line. Probe sunk under own weight to 298mm reading as in freshly tild field. Location: Webbington.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

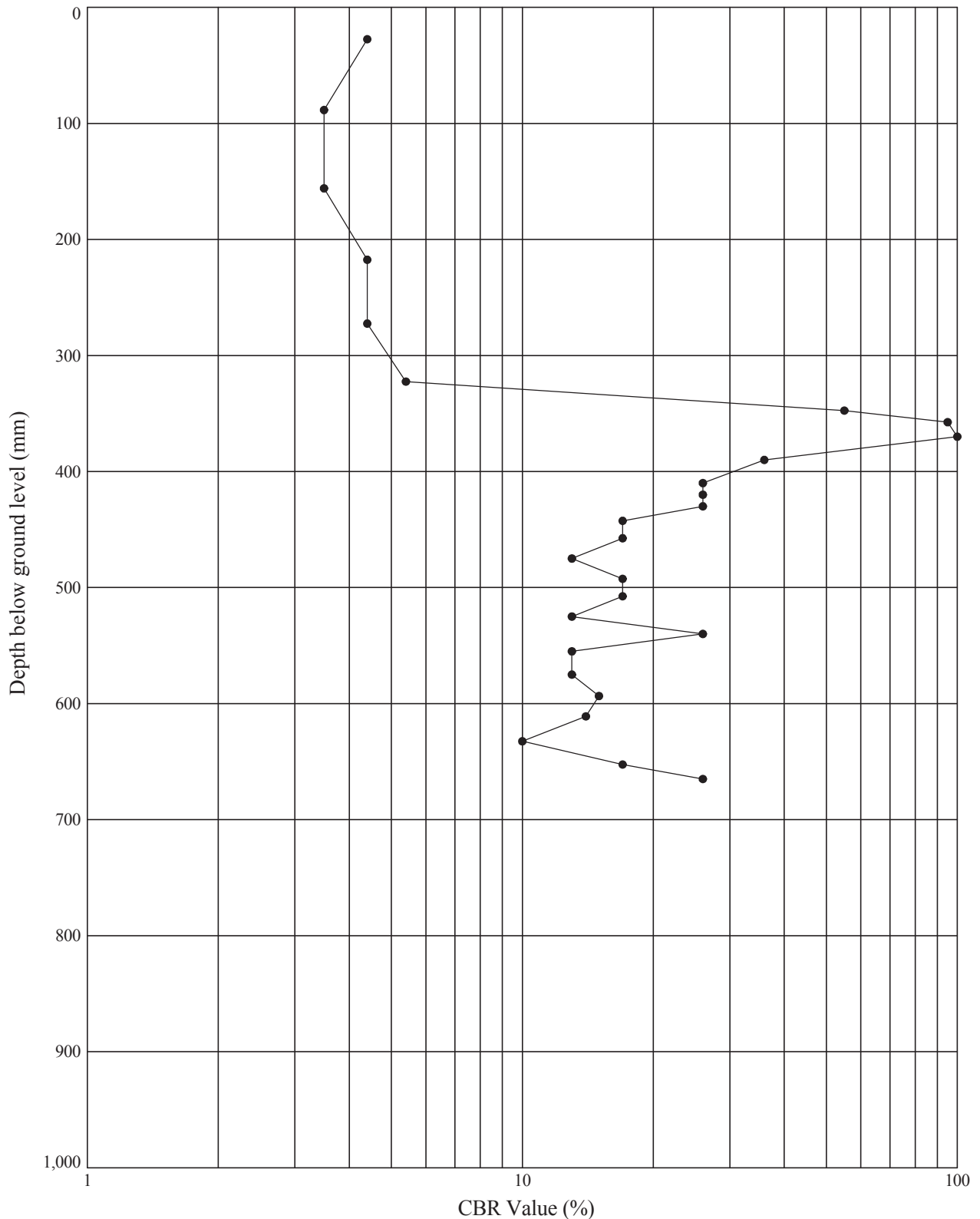
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR13**

Test Date : **02.04.13**

Ground Level (m AOD): **10.47**

National Grid Co-ordinates: **E:338165.2 N:156366.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line. Probe sunk under own weight to 285mm reading as in freshly tild field. Location: Lox Yeo Valley (Mendips).



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Contract Ref:

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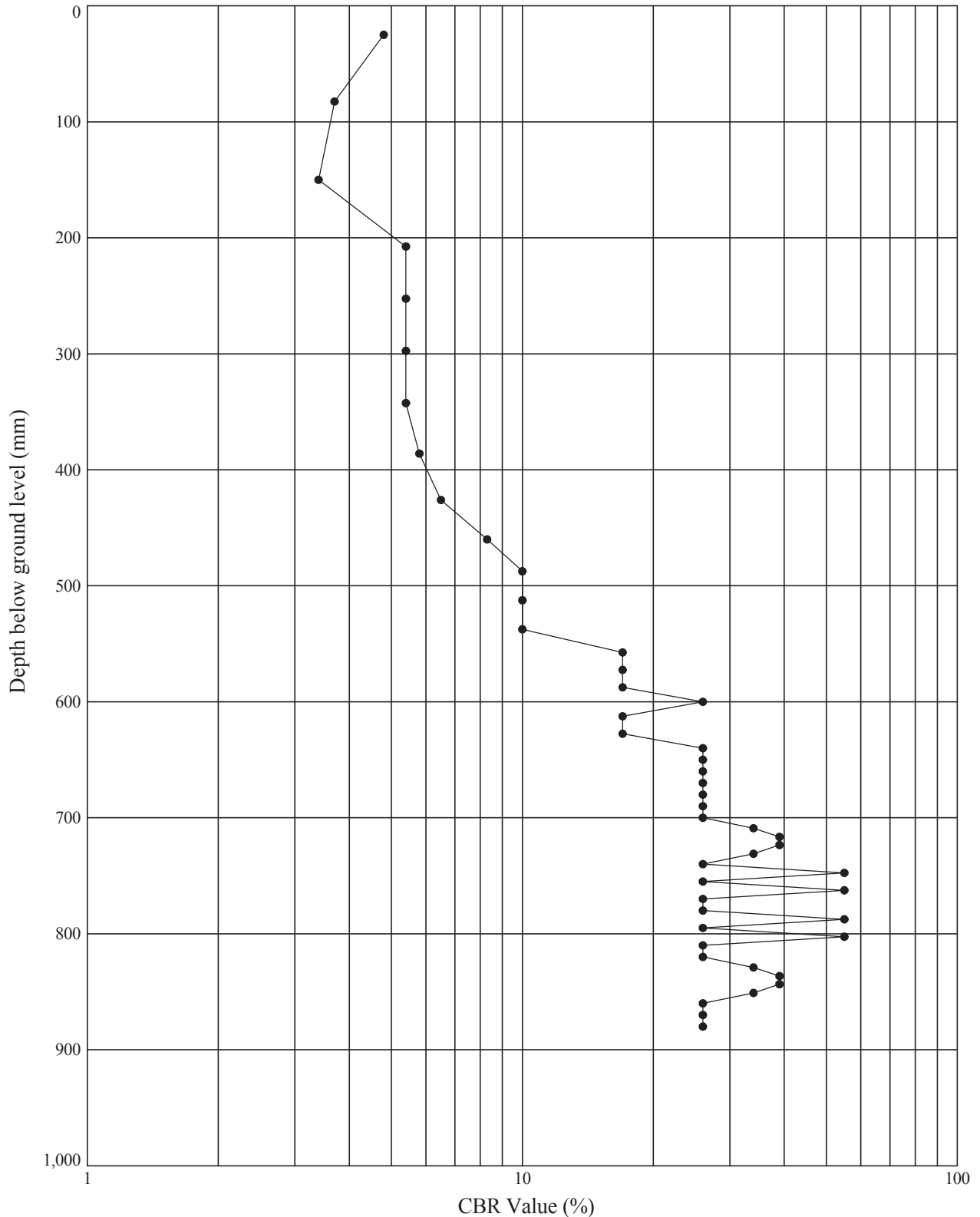
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR14**

Test Date : **02.04.13**

Ground Level (m AOD): **12.03**

National Grid Co-ordinates: **E:338343.5 N:156457.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
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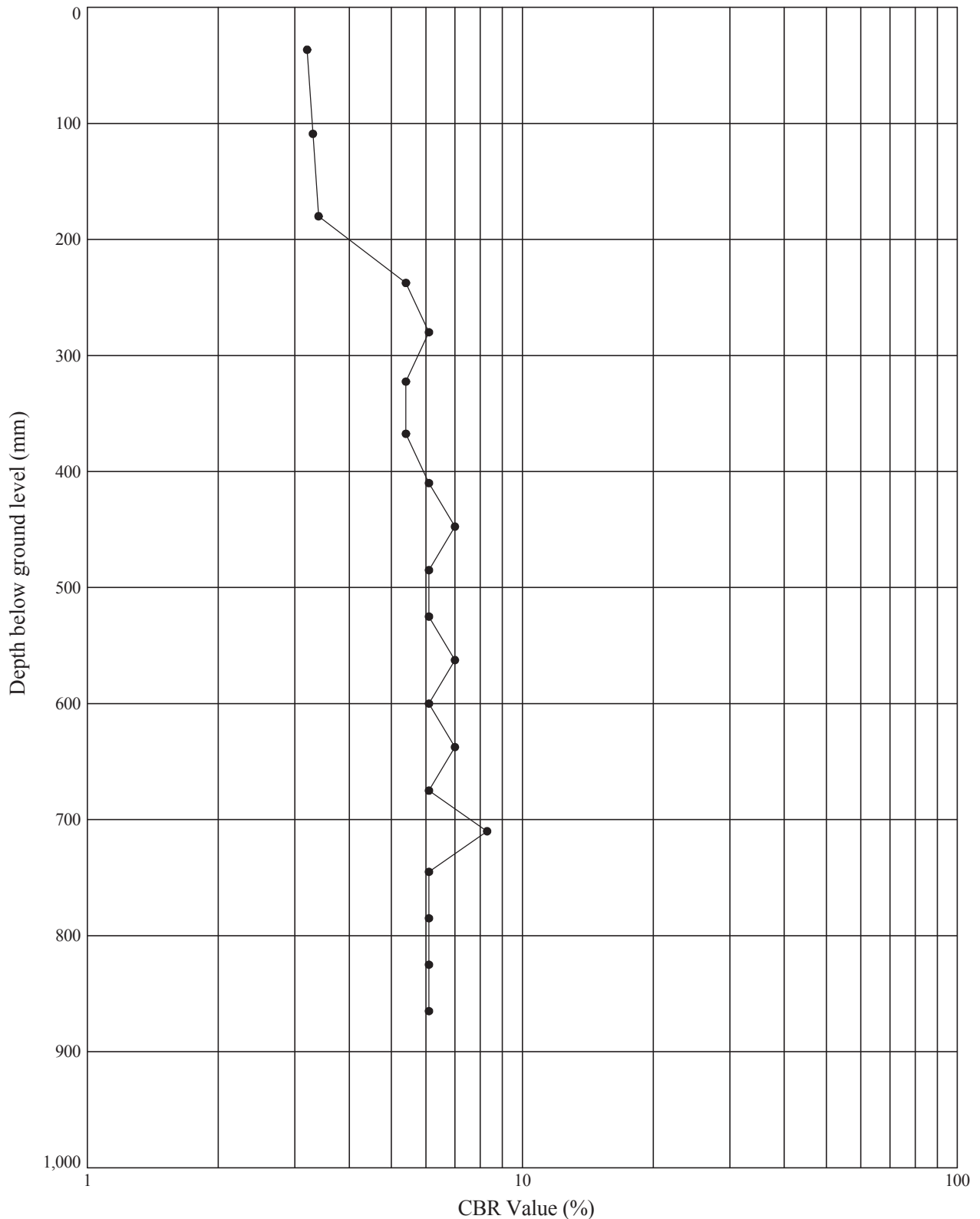
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR15**

Test Date : **02.04.13**

Ground Level (m AOD): **12.73**

National Grid Co-ordinates: **E:338521.5 N:156546.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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Contract Ref:

727635

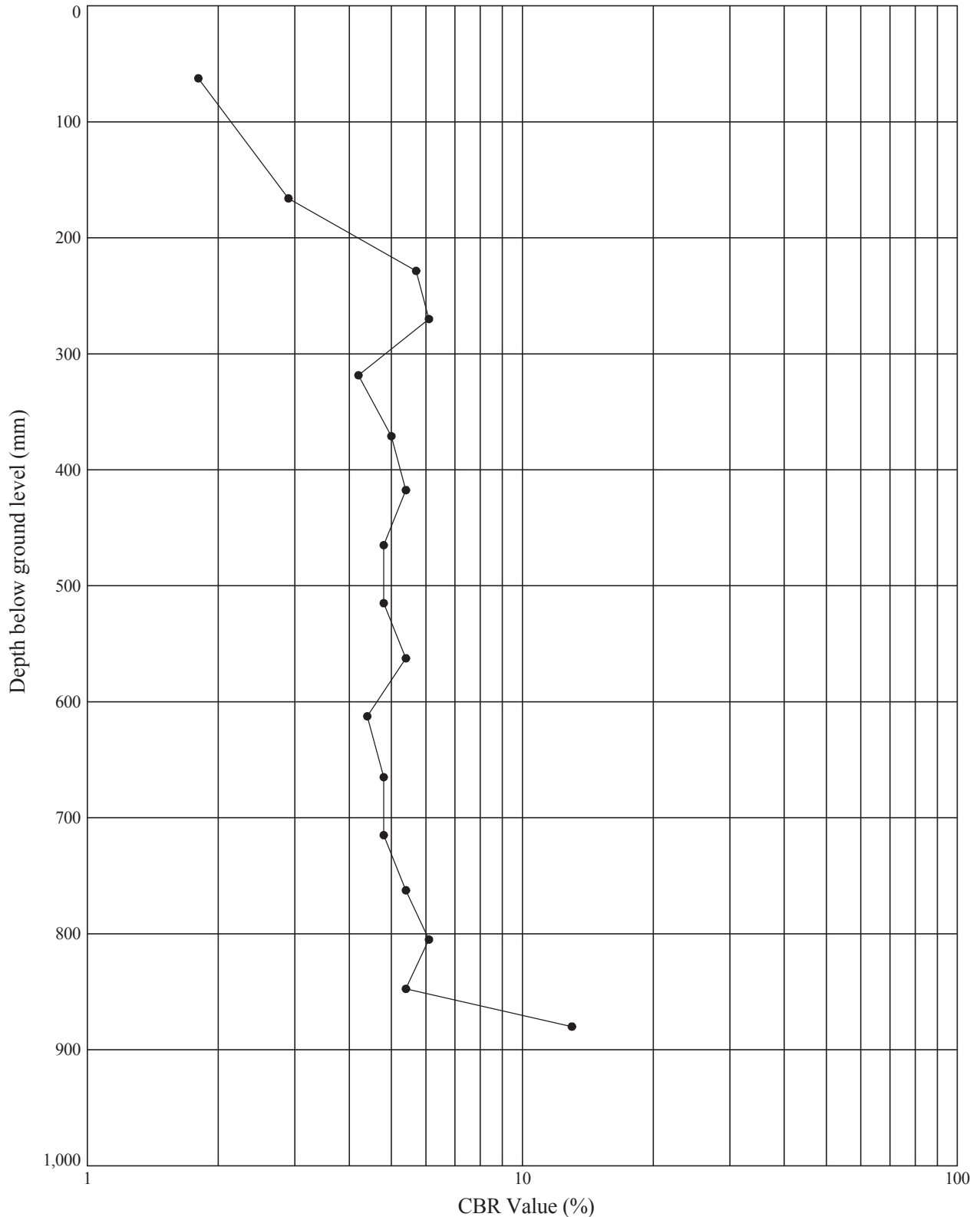
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR16**

Test Date : **03.04.13**

Ground Level (m AOD): **12.39**

National Grid Co-ordinates: **E:338692.7 N:156650.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in freshly tild field. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

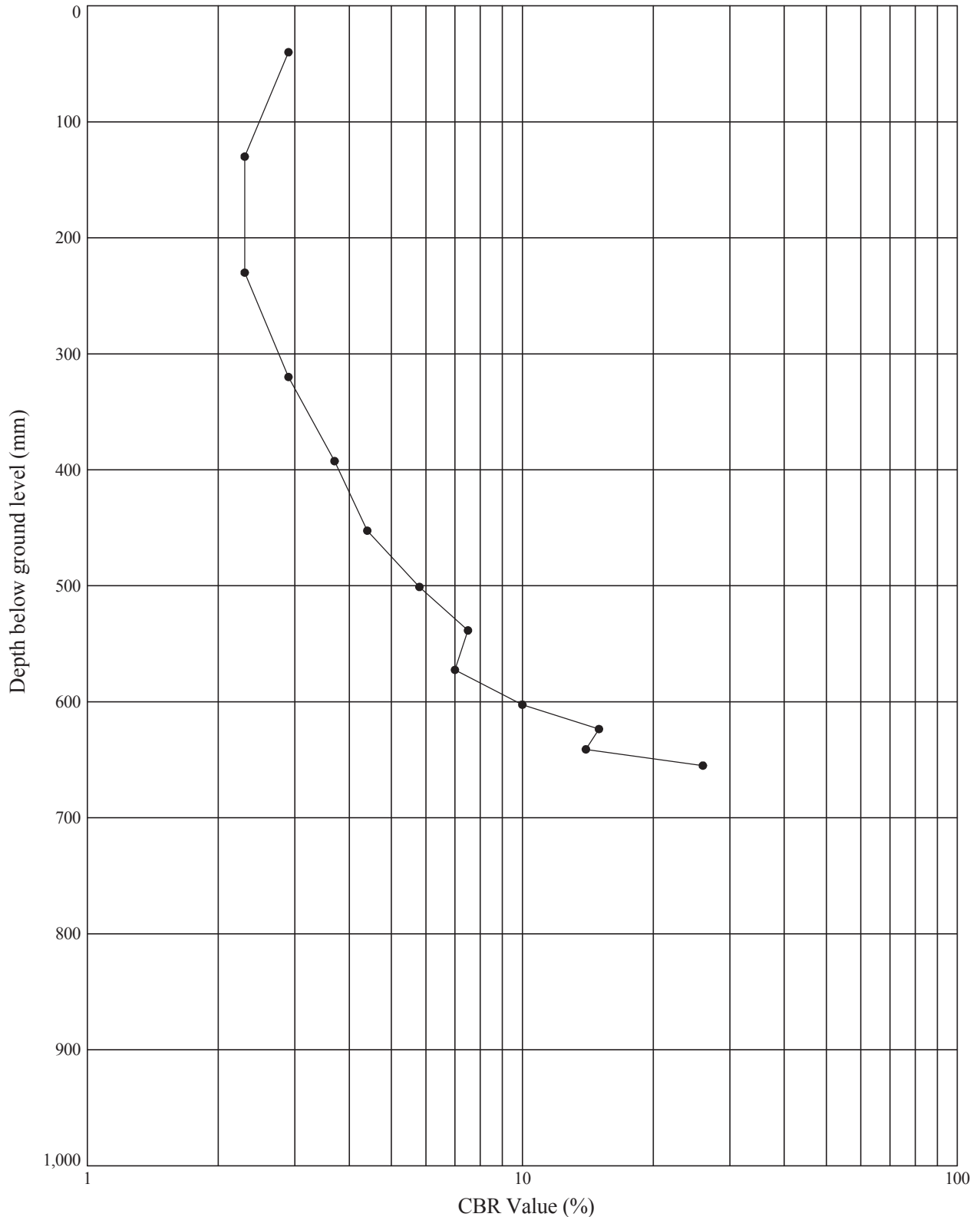
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR17**

Test Date : **03.04.13**

Ground Level (m AOD): **12.54**

National Grid Co-ordinates: **E:338852.0 N:156772.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in freshly tild field. Probe sunk under own weight to 300mm reading. Location: Lox Yeo Valley (Mendips).



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Connection**

Contract Ref:

727635

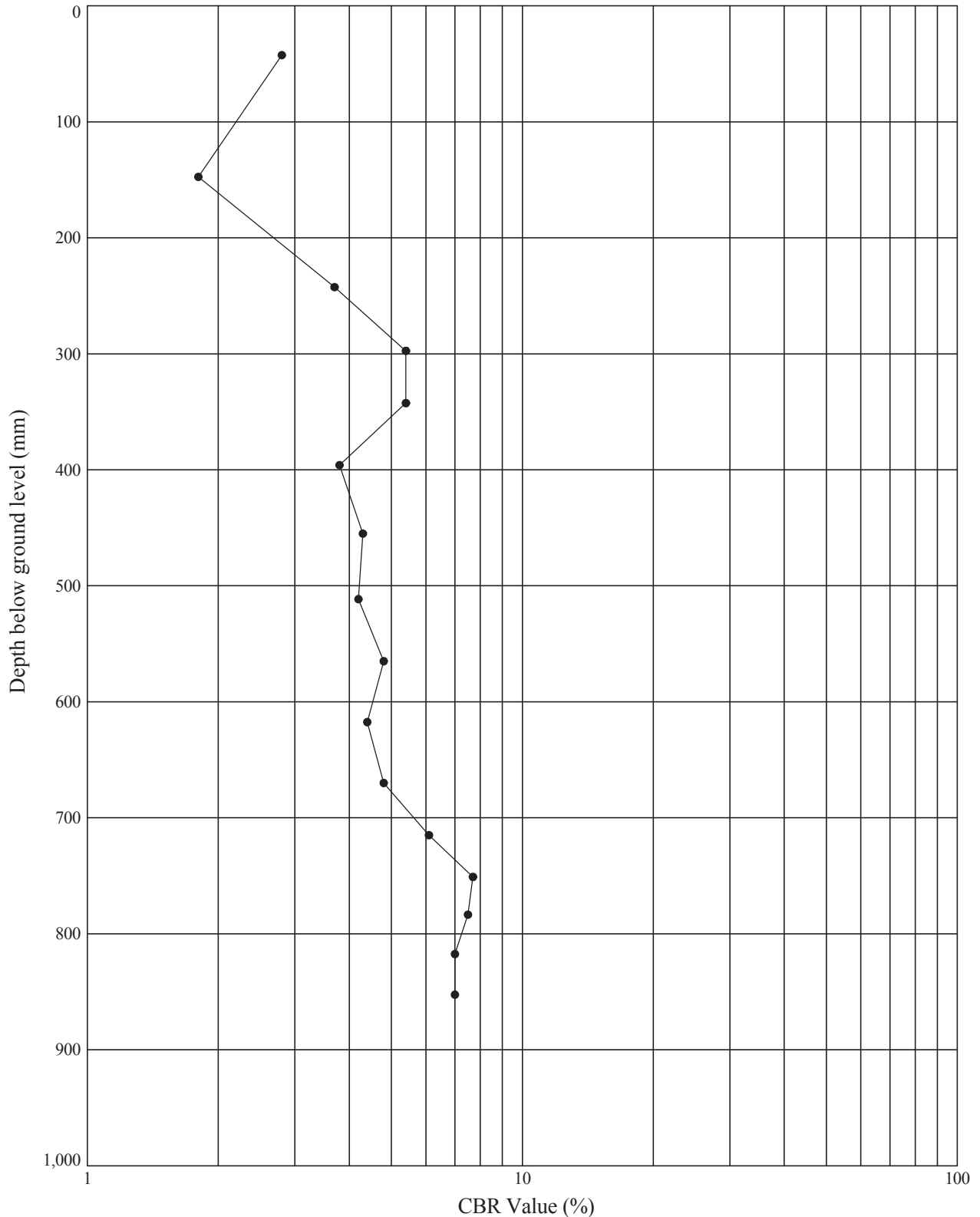
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR18**

Test Date : **03.04.13**

Ground Level (m AOD): **12.14**

National Grid Co-ordinates: **E:339012.2 N:156889.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in freshly tild field. Location: Lox Yeo Valley (Mendips).



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
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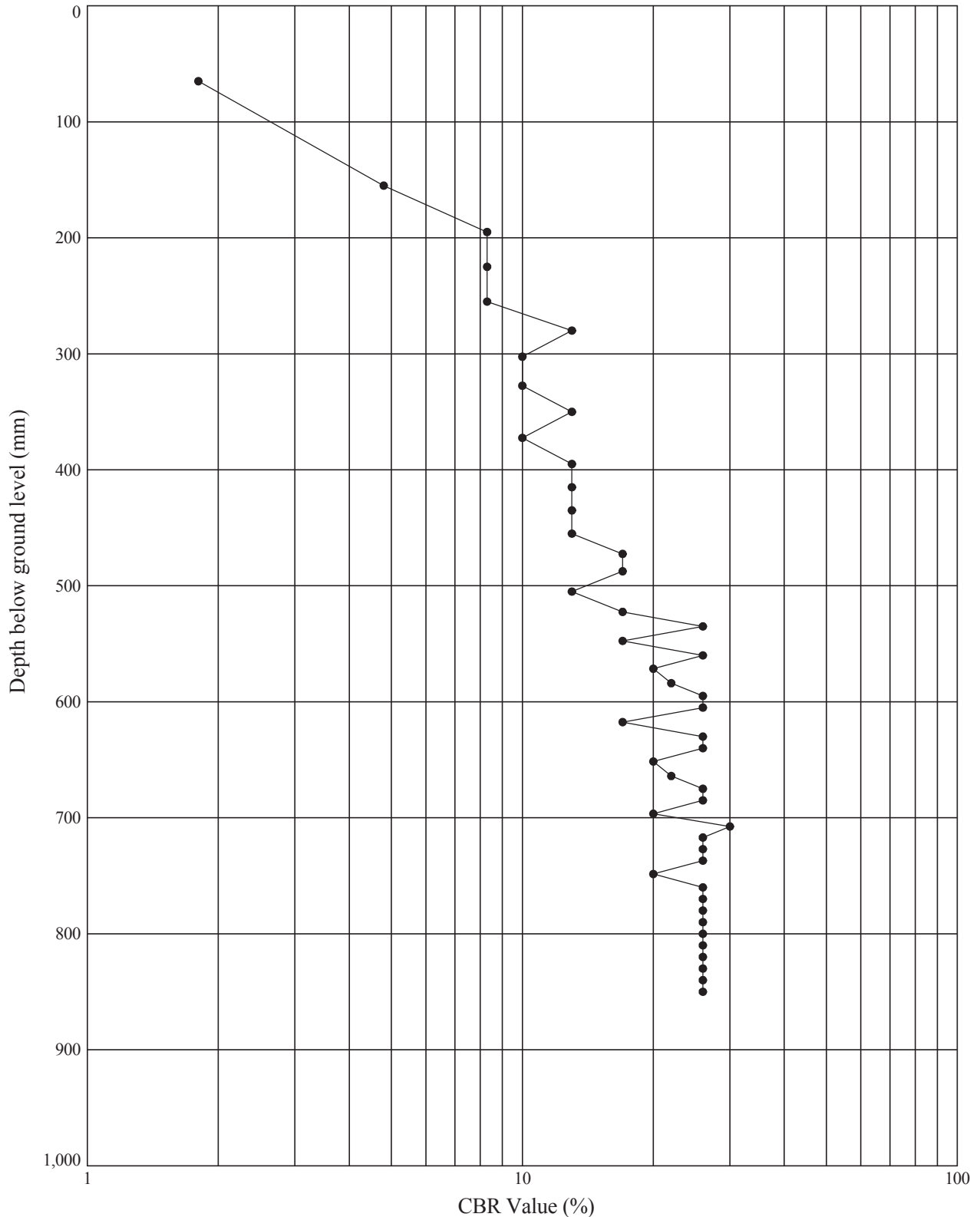
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR19**

Test Date : **03.04.13**

Ground Level (m AOD): **14.73**

National Grid Co-ordinates: **E:339175.1 N:157012.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

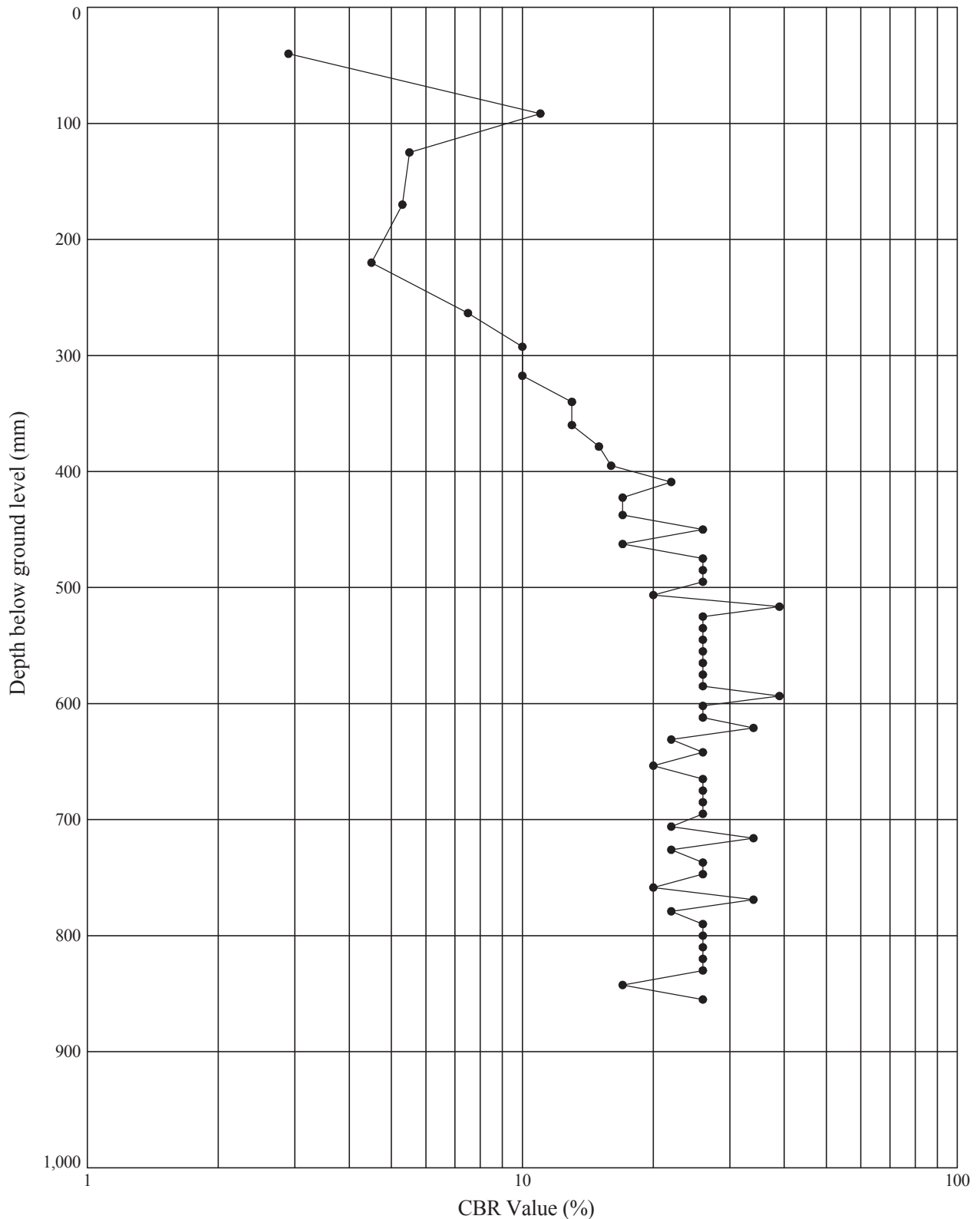
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR20**

Test Date : **03.04.13**

Ground Level (m AOD): **14.62**

National Grid Co-ordinates: **E:339336.6 N:157124.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

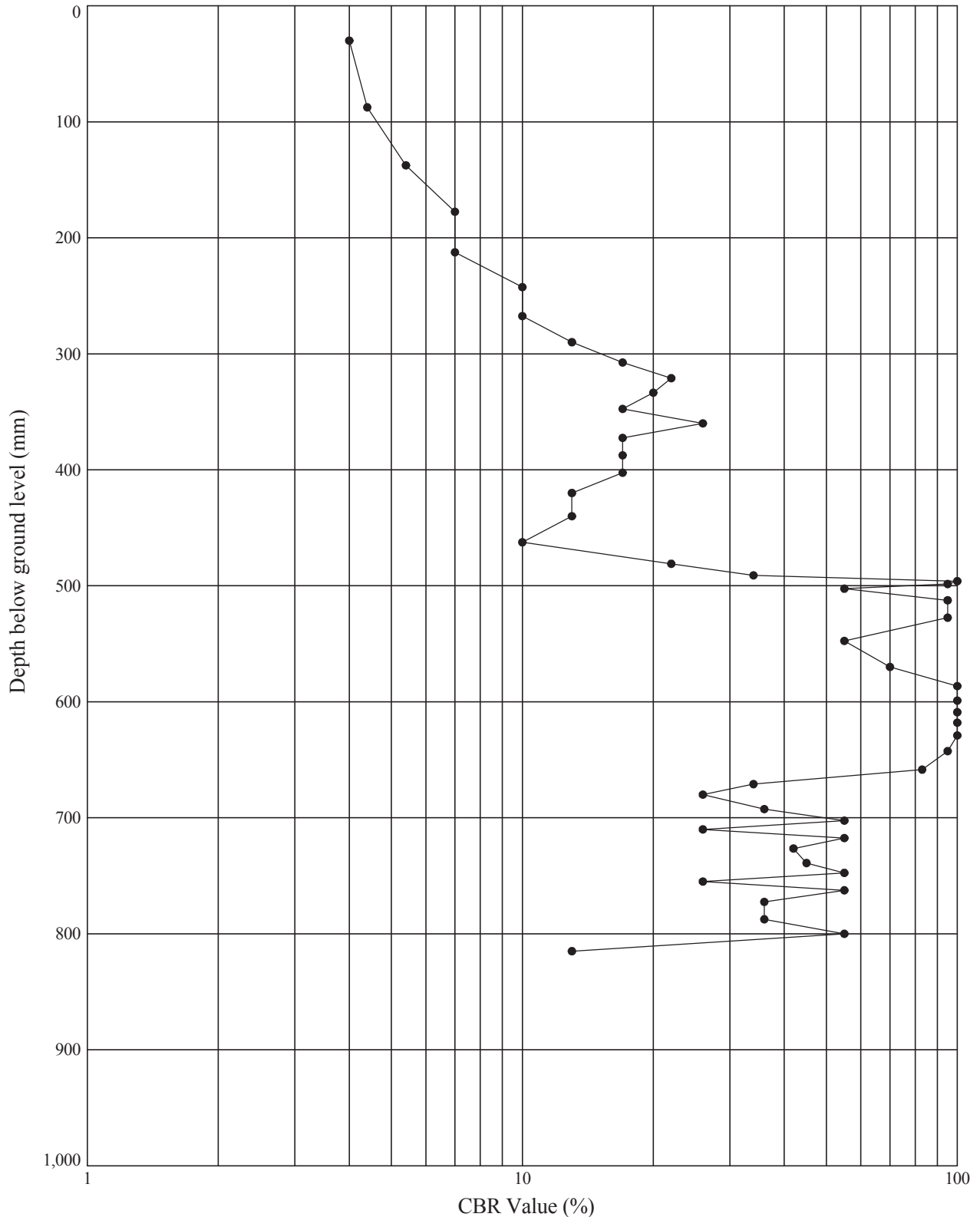
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR21**

Test Date : **03.04.13**

Ground Level (m AOD): **18.10**

National Grid Co-ordinates: **E:339495.4 N:157245.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

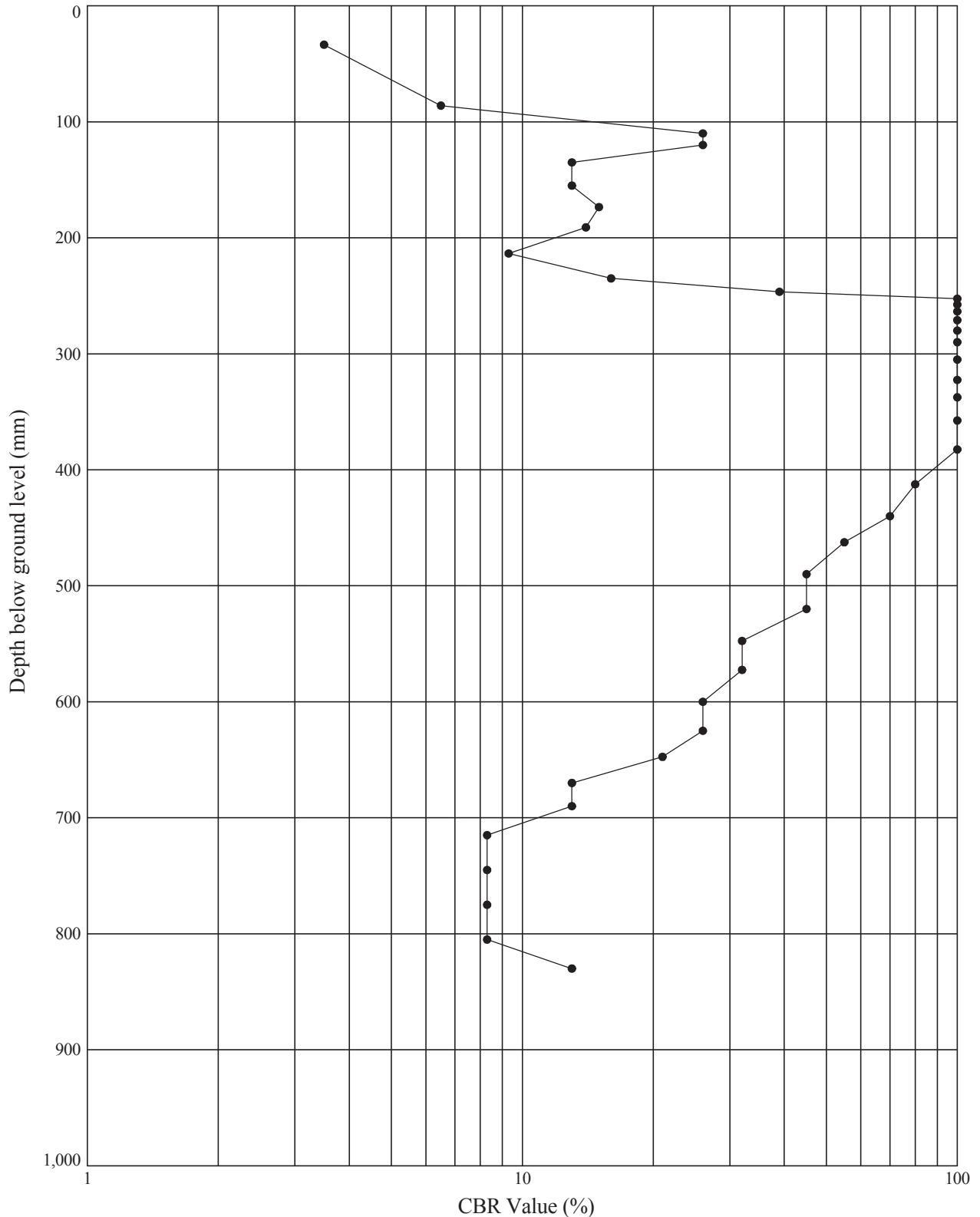
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR22**

Test Date : **03.04.13**

Ground Level (m AOD): **15.70**

National Grid Co-ordinates: **E:339604.0 N:157342.4**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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Contract Ref:

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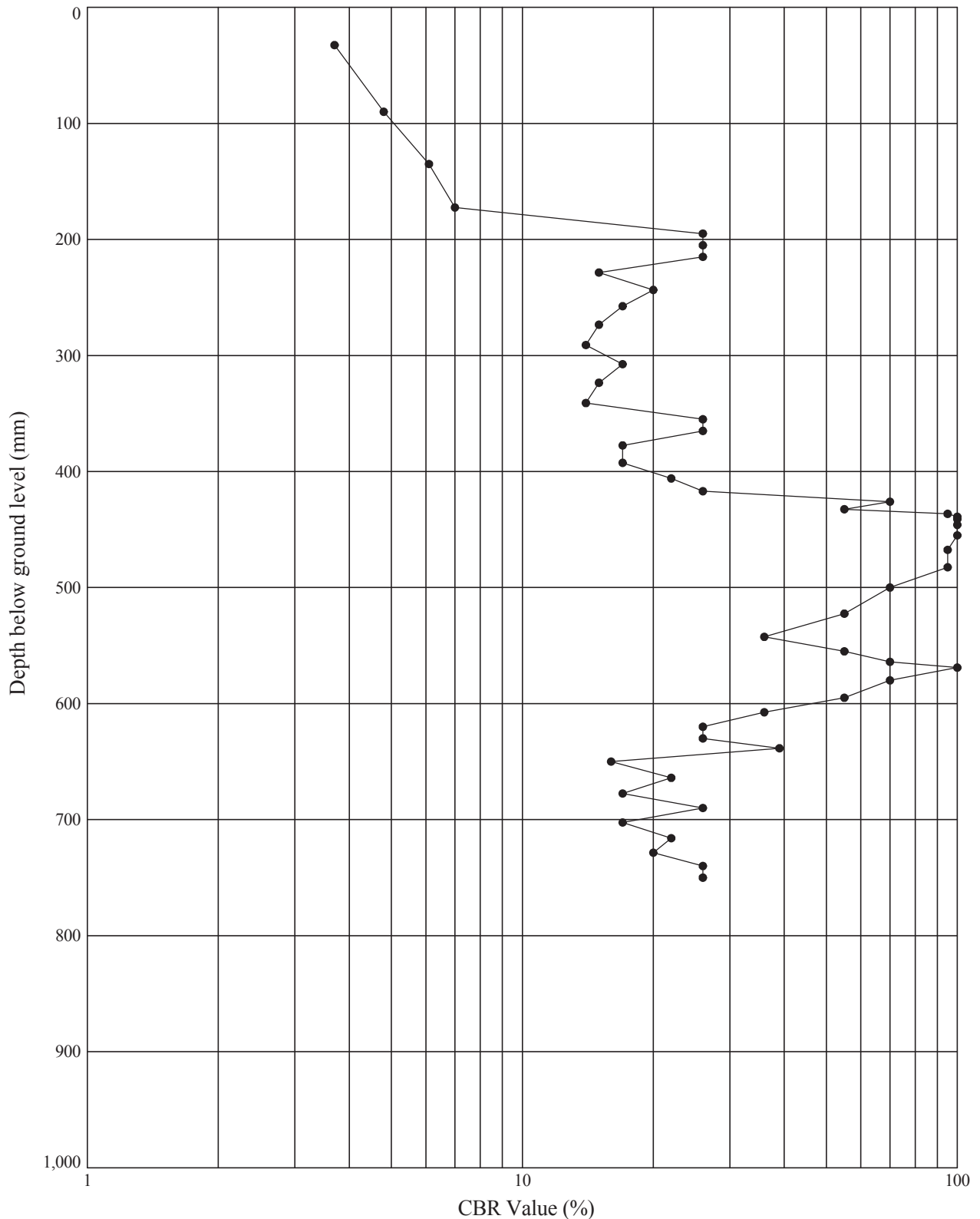
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR23**

Test Date : **05.04.13**

Ground Level (m AOD): **12.39**

National Grid Co-ordinates: **E:339636.0 N:157540.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

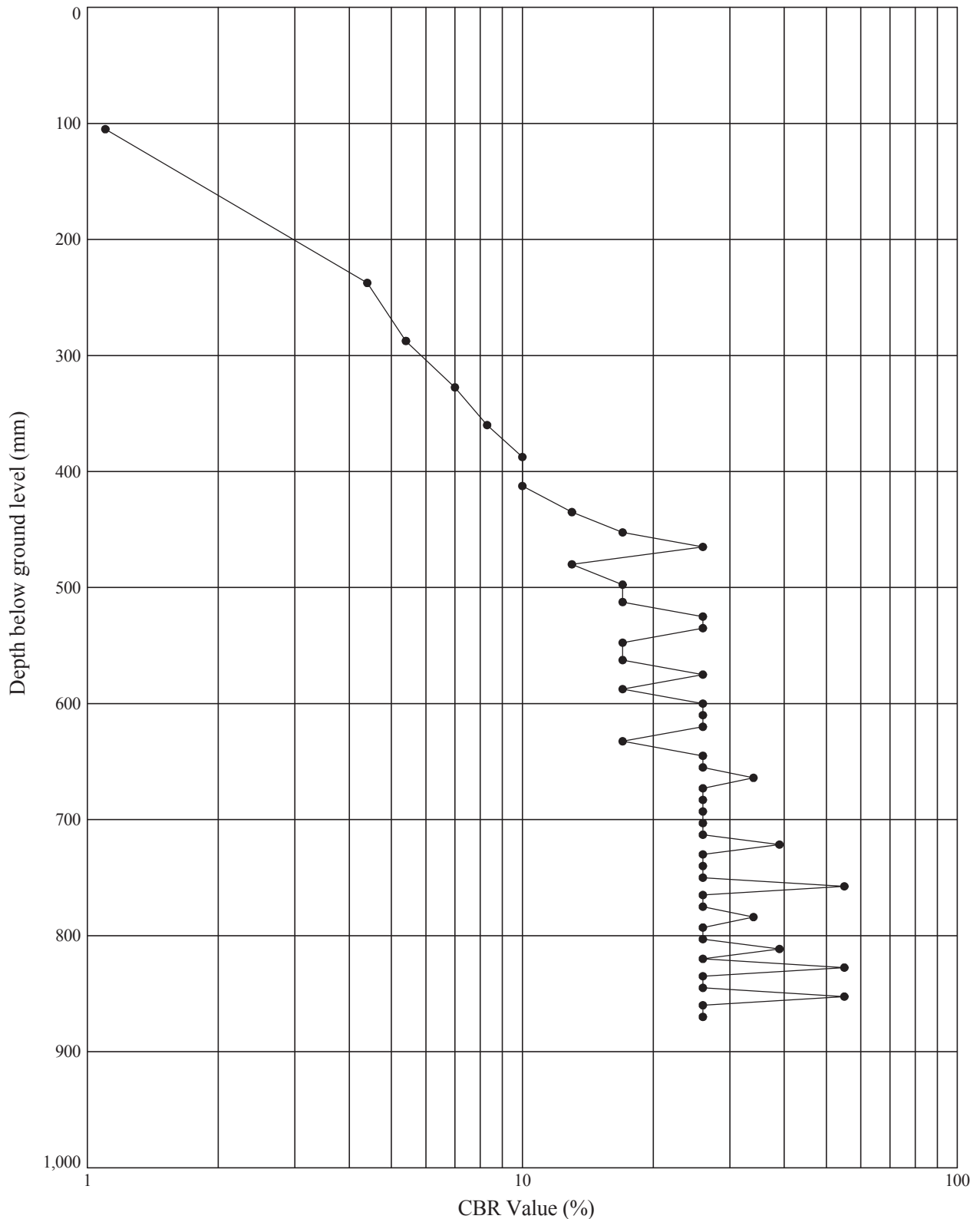
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR24**

Test Date : **05.04.13**

Ground Level (m AOD): **9.61**

National Grid Co-ordinates: **E:339758.0 N:157693.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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Connection**

Contract Ref:

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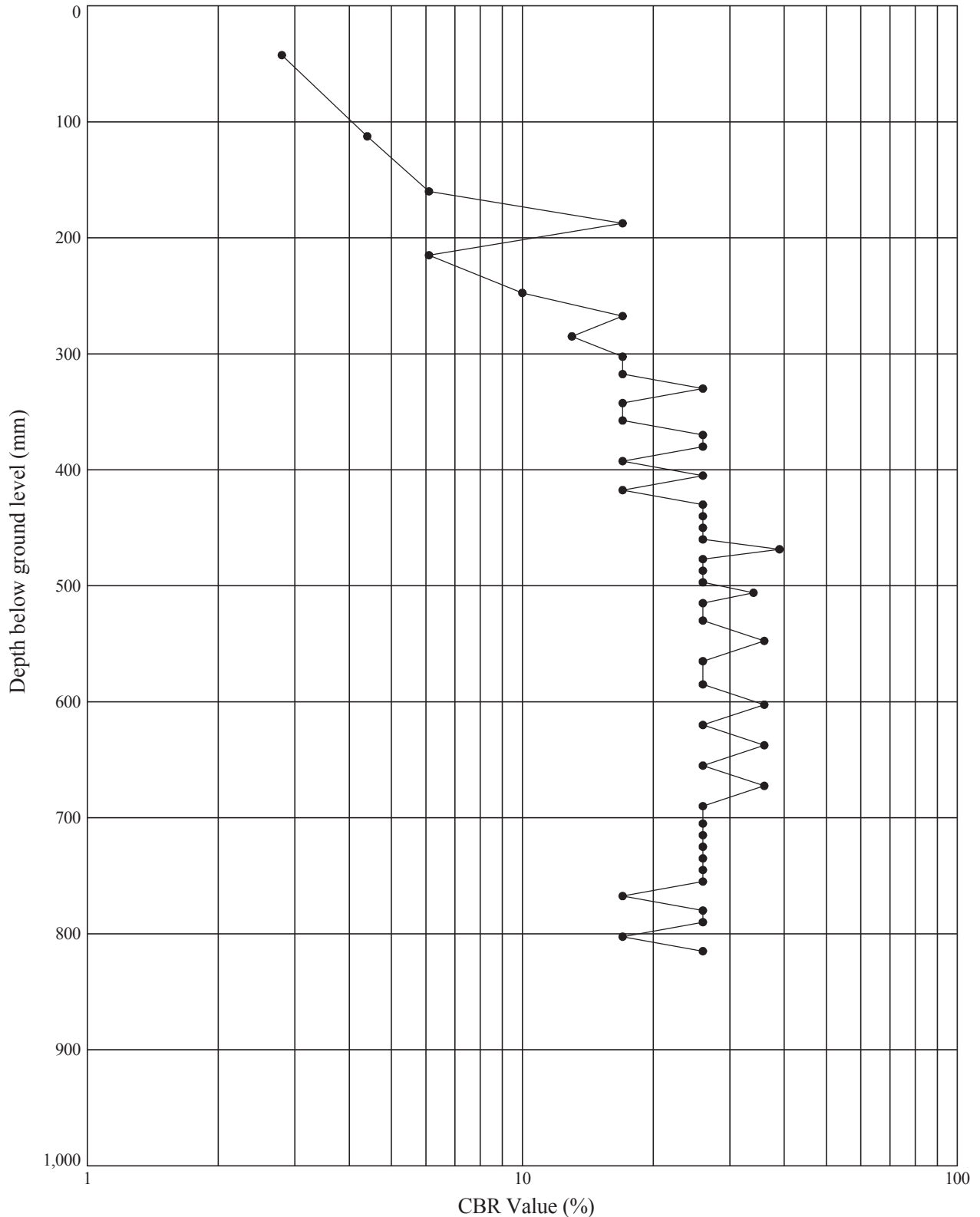
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR25**

Test Date : **03.04.13**

Ground Level (m AOD): **9.89**

National Grid Co-ordinates: **E:339893.0 N:157848.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

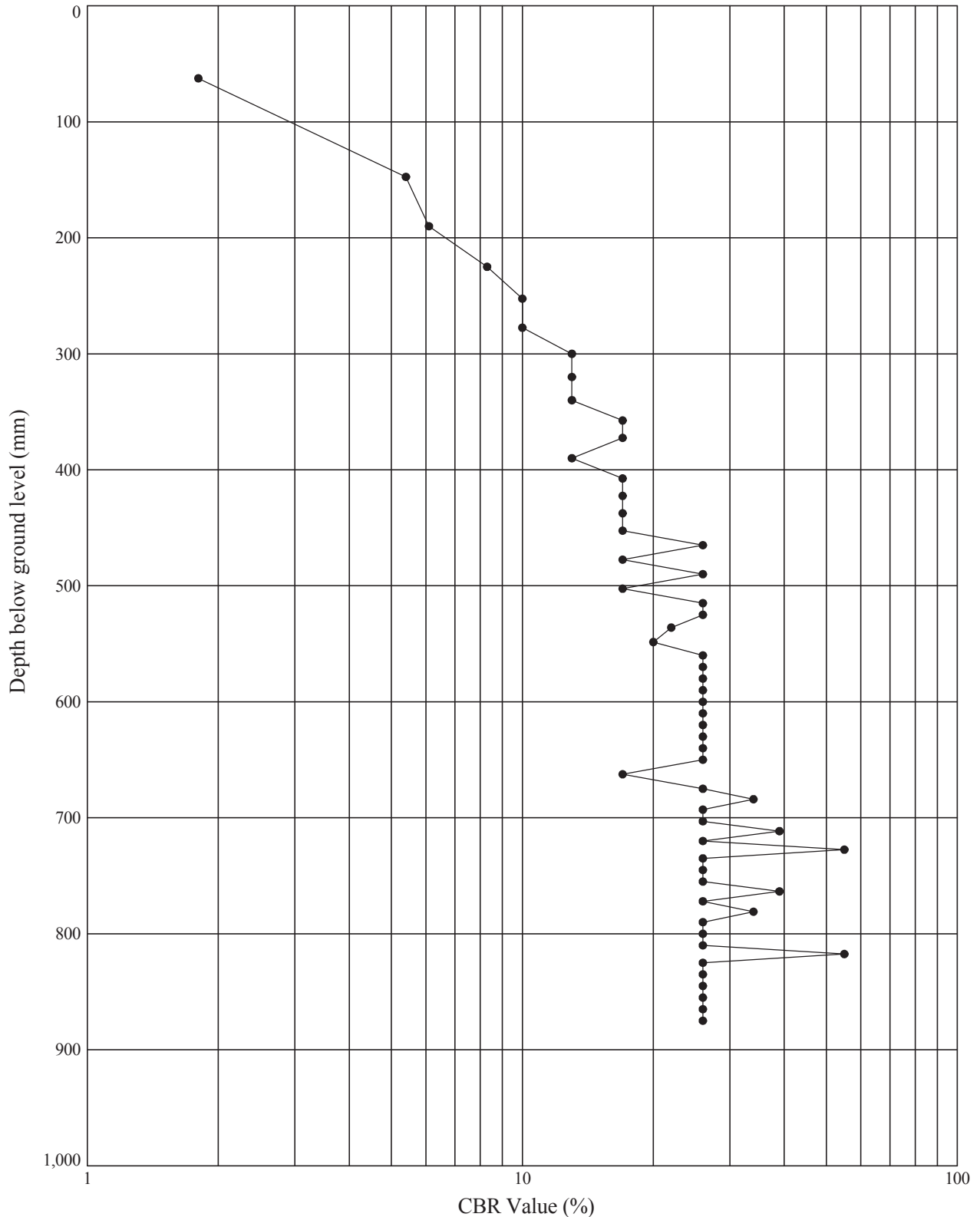
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR26**

Test Date : **03.04.13**

Ground Level (m AOD): **10.93**

National Grid Co-ordinates: **E:340038.9 N:157902.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Lox Yeo Valley (Mendips).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

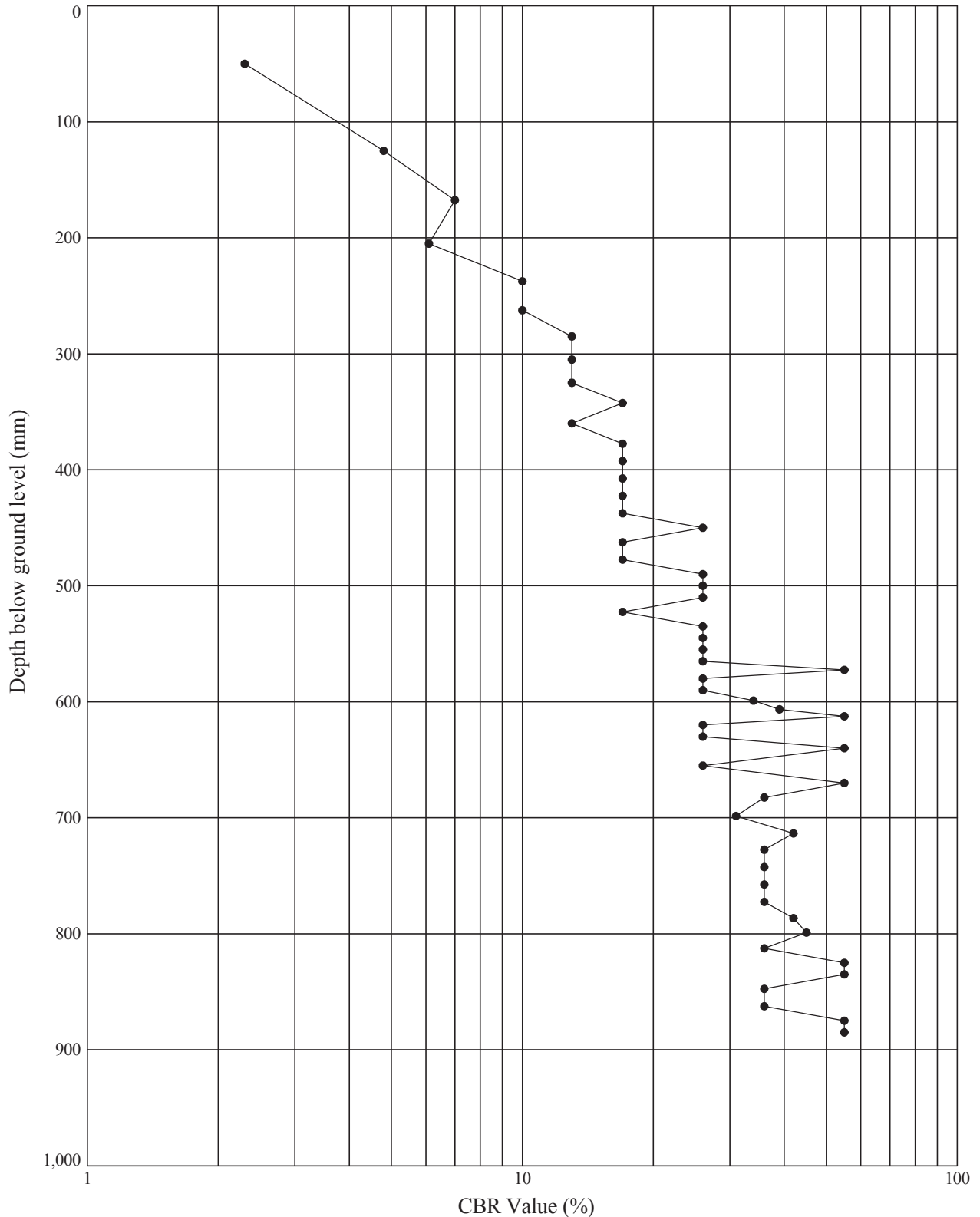
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR27**

Test Date : **03.04.13**

Ground Level (m AOD): **13.51**

National Grid Co-ordinates: **E:340187.6 N:158113.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

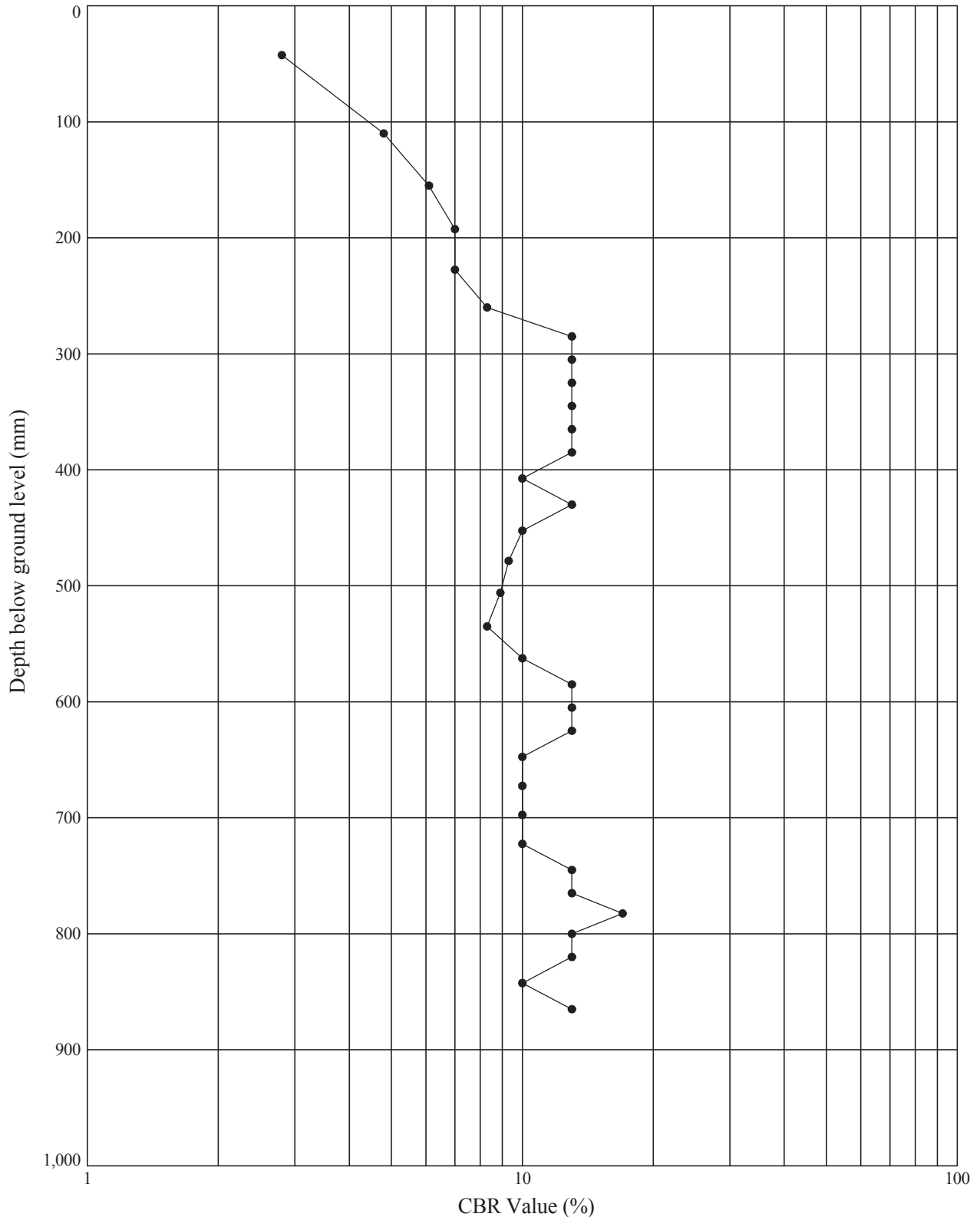
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR28**

Test Date : **03.04.13**

Ground Level (m AOD): **14.96**

National Grid Co-ordinates: **E:340361.6 N:158214.8**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

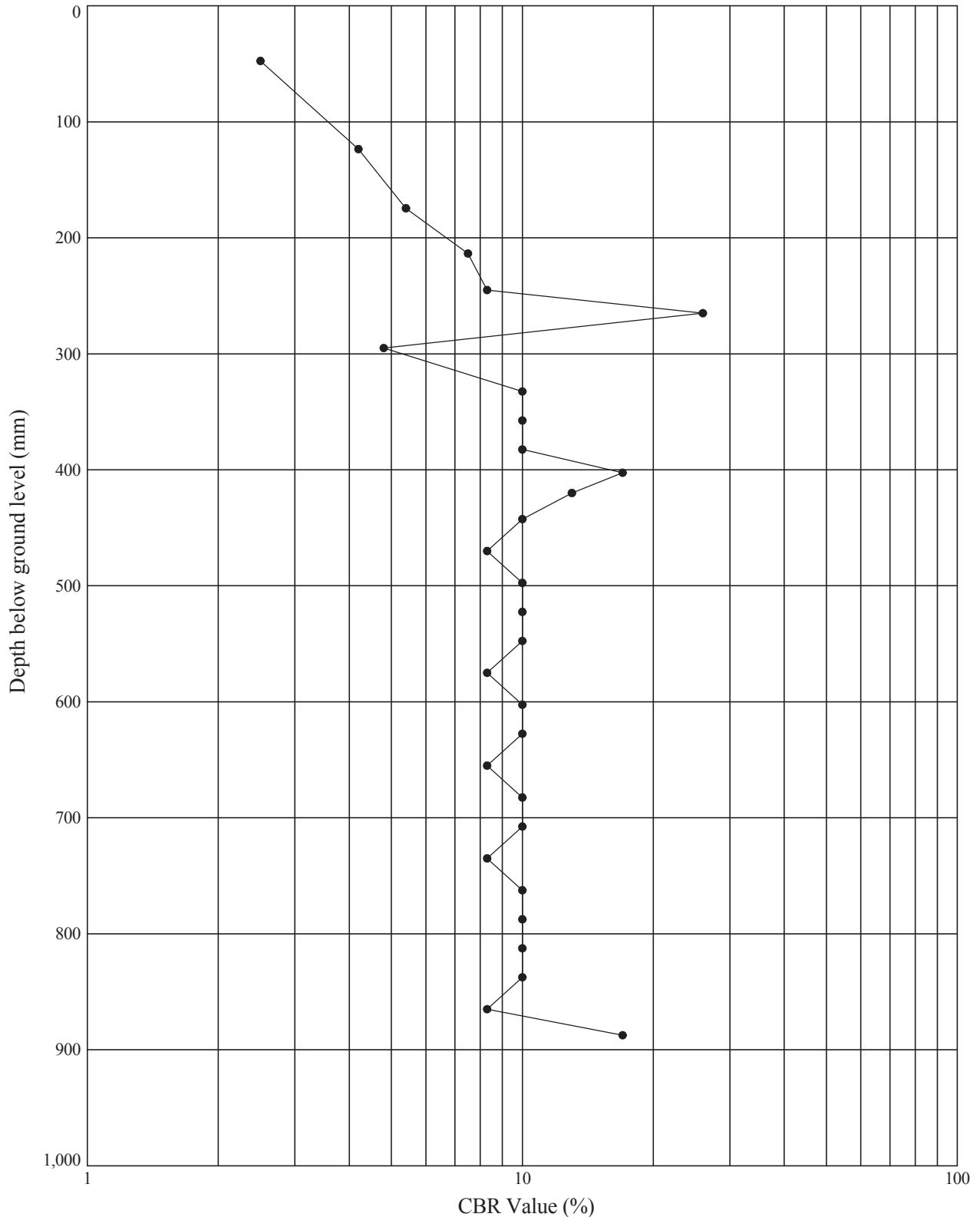
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR29**

Test Date : **03.04.13**

Ground Level (m AOD): **16.30**

National Grid Co-ordinates: **E:340534.1 N:158311.9**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

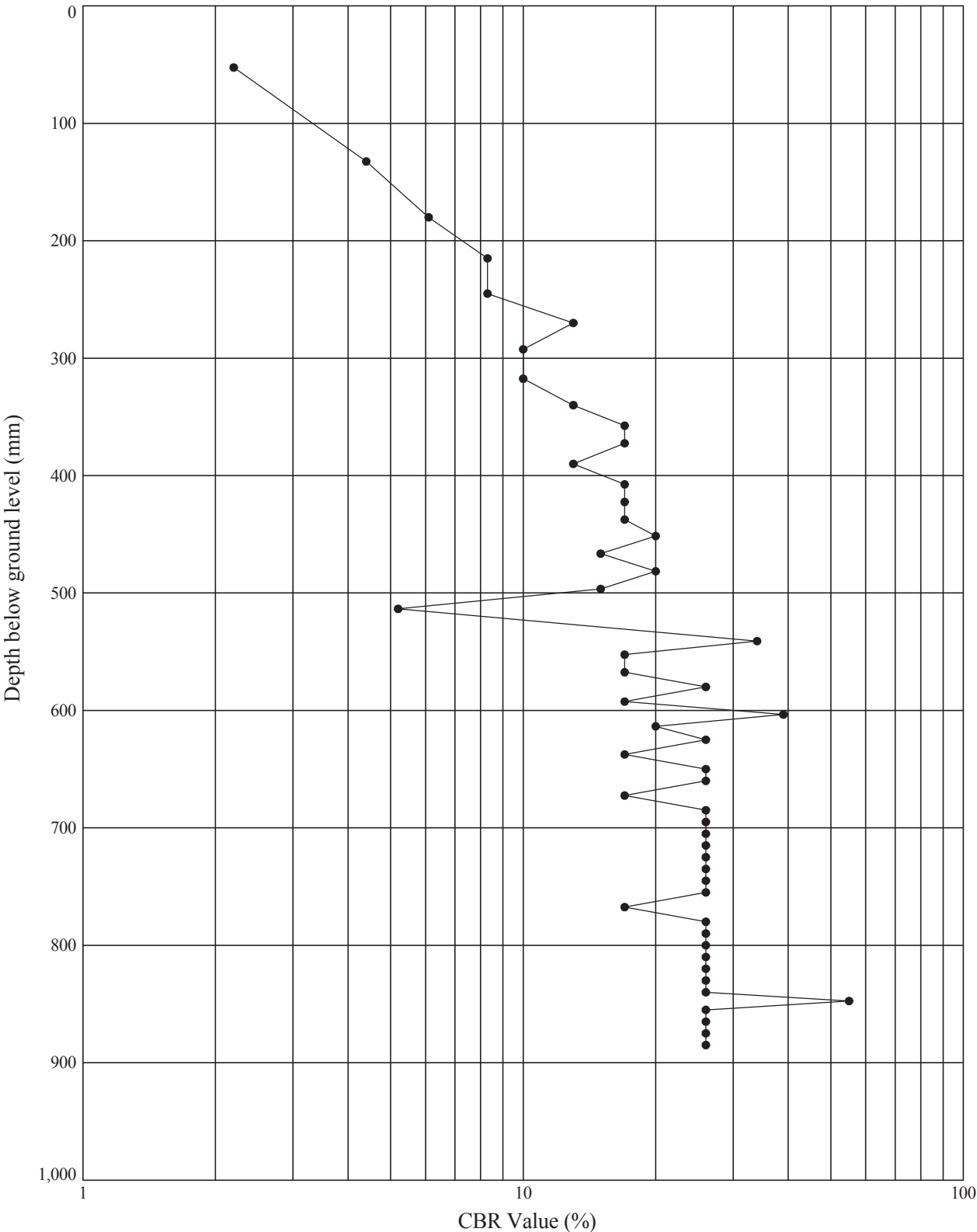
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR30**

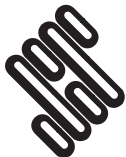
Test Date : **04.04.13**

Ground Level (m AOD): **18.66**

National Grid Co-ordinates: **E:340727.2 N:158399.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

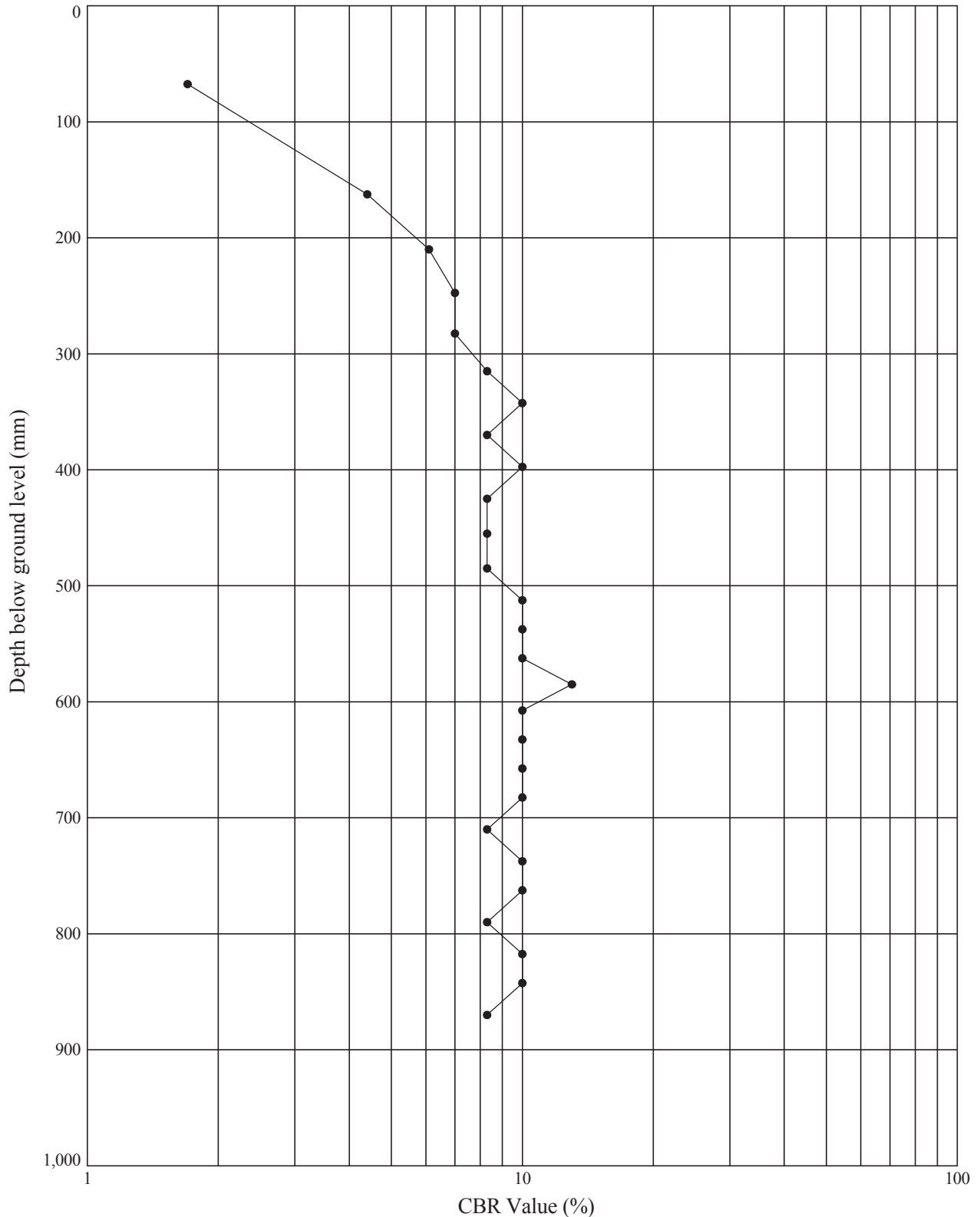
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR31**

Test Date : **04.04.13**

Ground Level (m AOD): **23.12**

National Grid Co-ordinates: **E:340954.7 N:158516.2**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Contract:

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Contract Ref:

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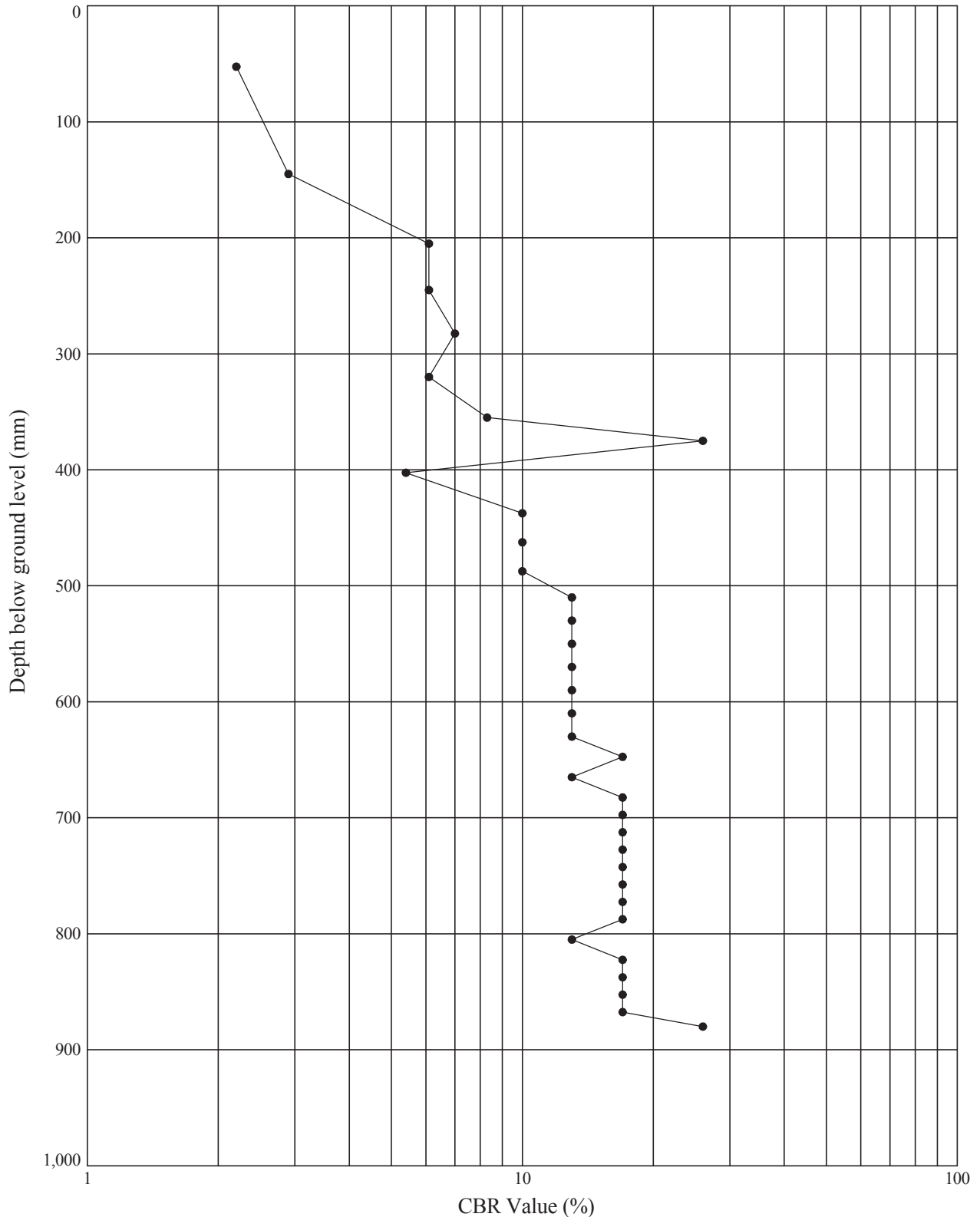
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR32**

Test Date : **04.04.13**

Ground Level (m AOD): **28.80**

National Grid Co-ordinates: **E:341060.7 N:158601.7**

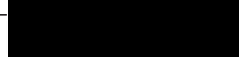


Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in stubble field. Location: Sandford.



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Connection**

Contract Ref:

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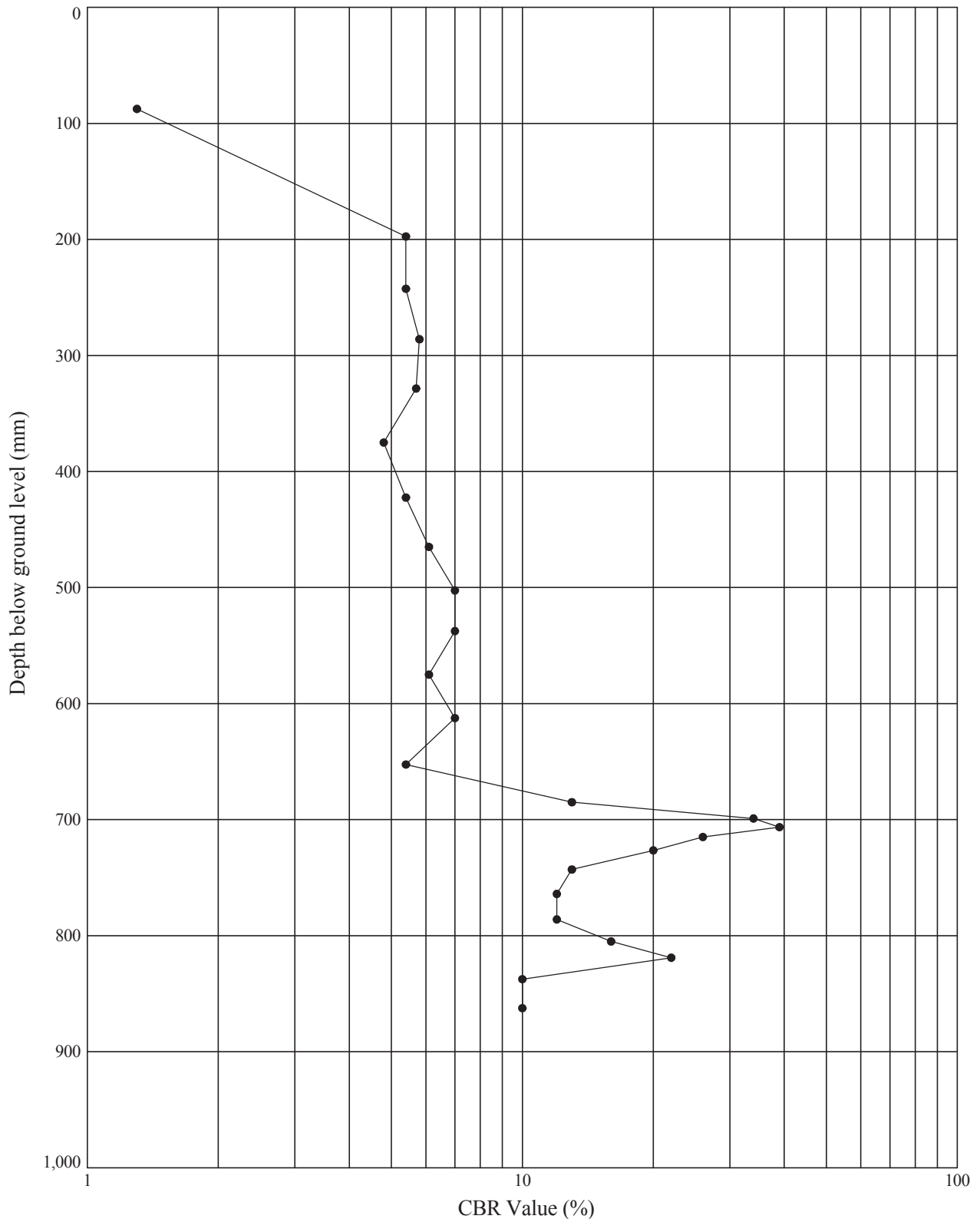
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR33**

Test Date : **04.04.13**

Ground Level (m AOD): **34.60**

National Grid Co-ordinates: **E:341232.0 N:158706.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in ploughed field. Location: Sandford.



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Contract:

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Connection**

Contract Ref:

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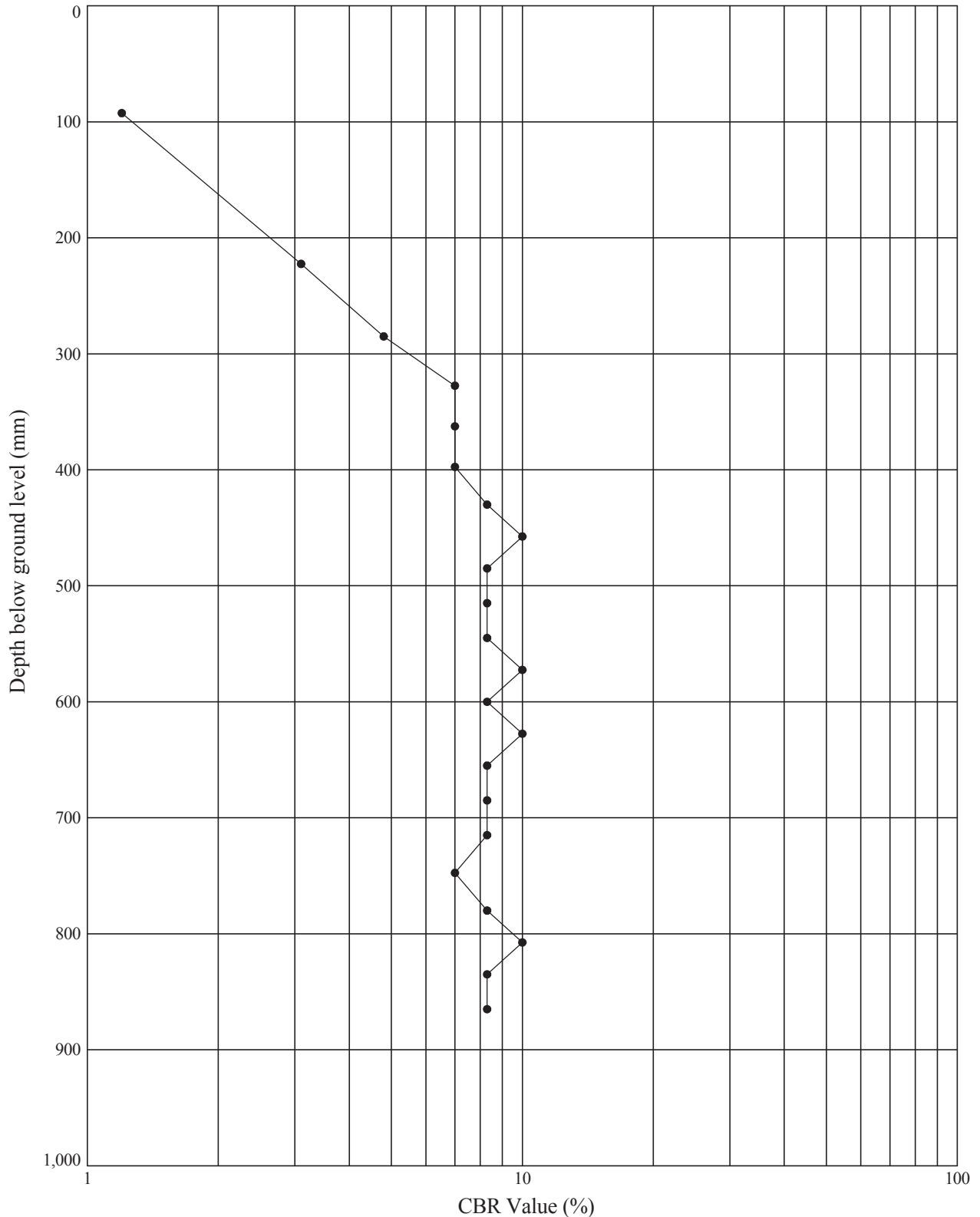
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR34**

Test Date : **04.04.13**

Ground Level (m AOD): **36.00**

National Grid Co-ordinates: **E:341402.0 N:158822.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in ploughed field. Location: Sandford.



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Date

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Contract:

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Connection**

Contract Ref:

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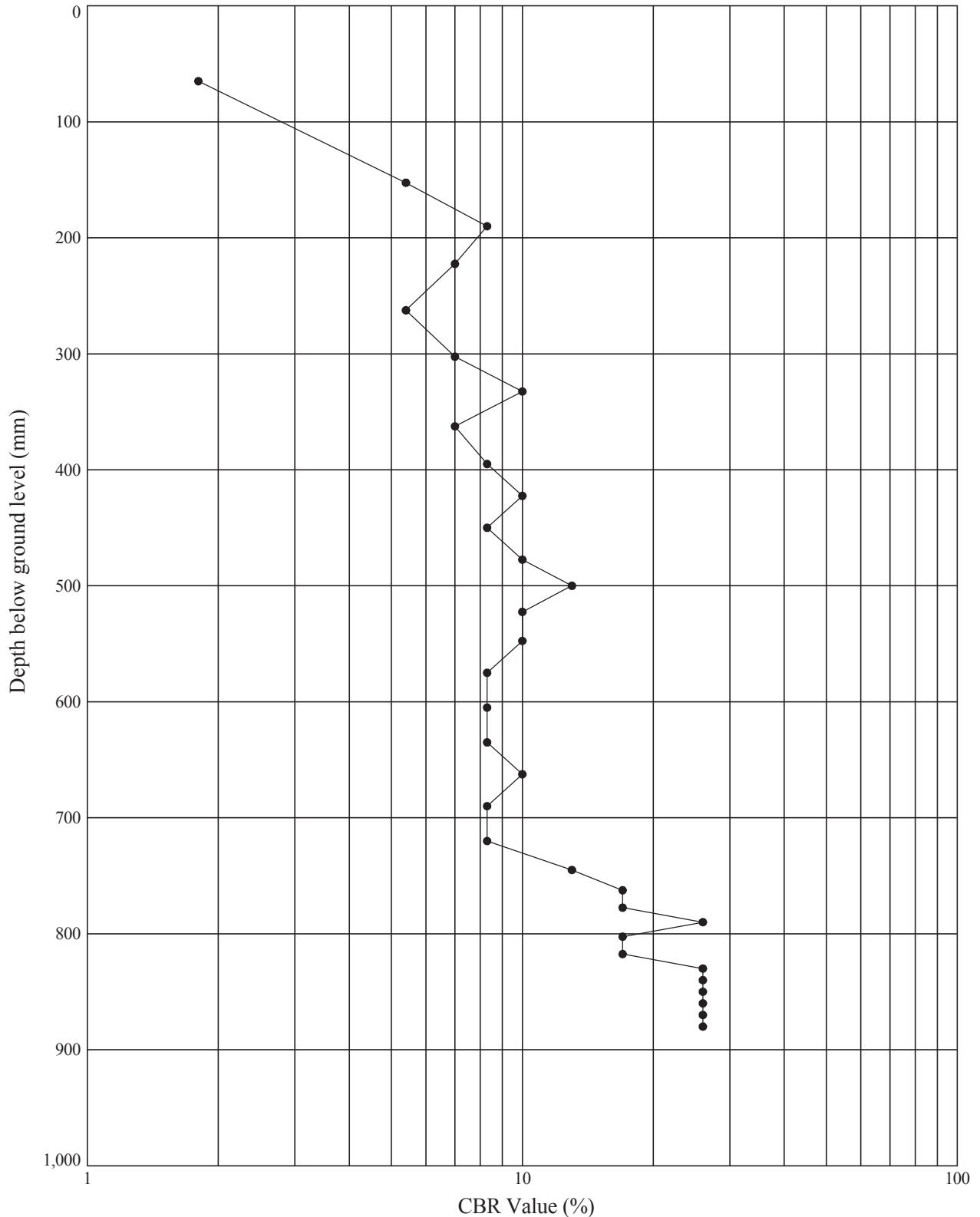
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR35**

Test Date : **04.04.13**

Ground Level (m AOD): **30.39**

National Grid Co-ordinates: **E:341544.8 N:158927.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in ploughed field. Location: Sandford.



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Date

Checked By

Date

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Contract:

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Connection**

Contract Ref:

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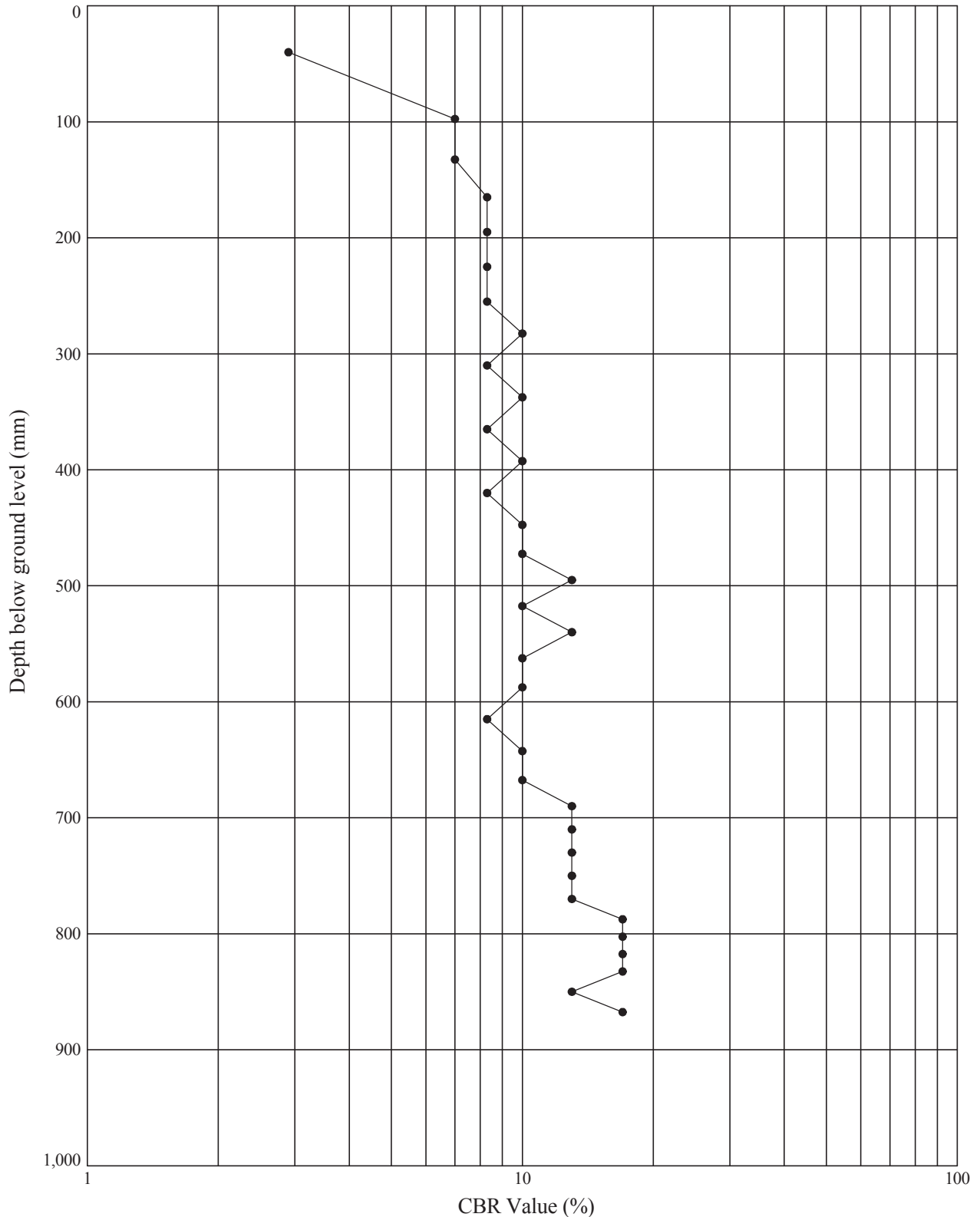
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR36**

Test Date : **04.04.13**

Ground Level (m AOD): **29.49**

National Grid Co-ordinates: **E:341490.3 N:159118.1**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

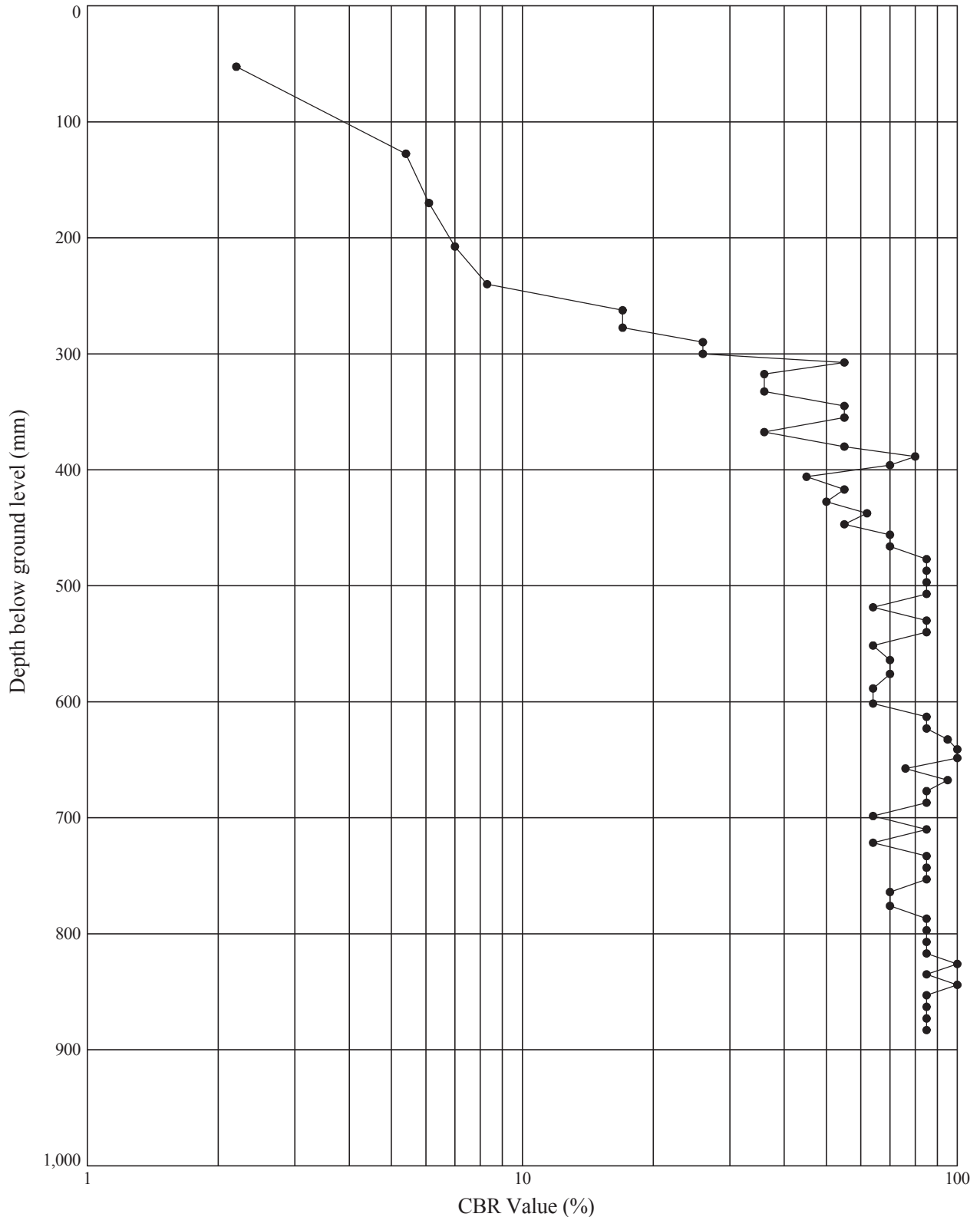
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR37**

Test Date : **04.04.13**

Ground Level (m AOD): **25.14**

National Grid Co-ordinates: **E:341453.6 N:159313.0**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

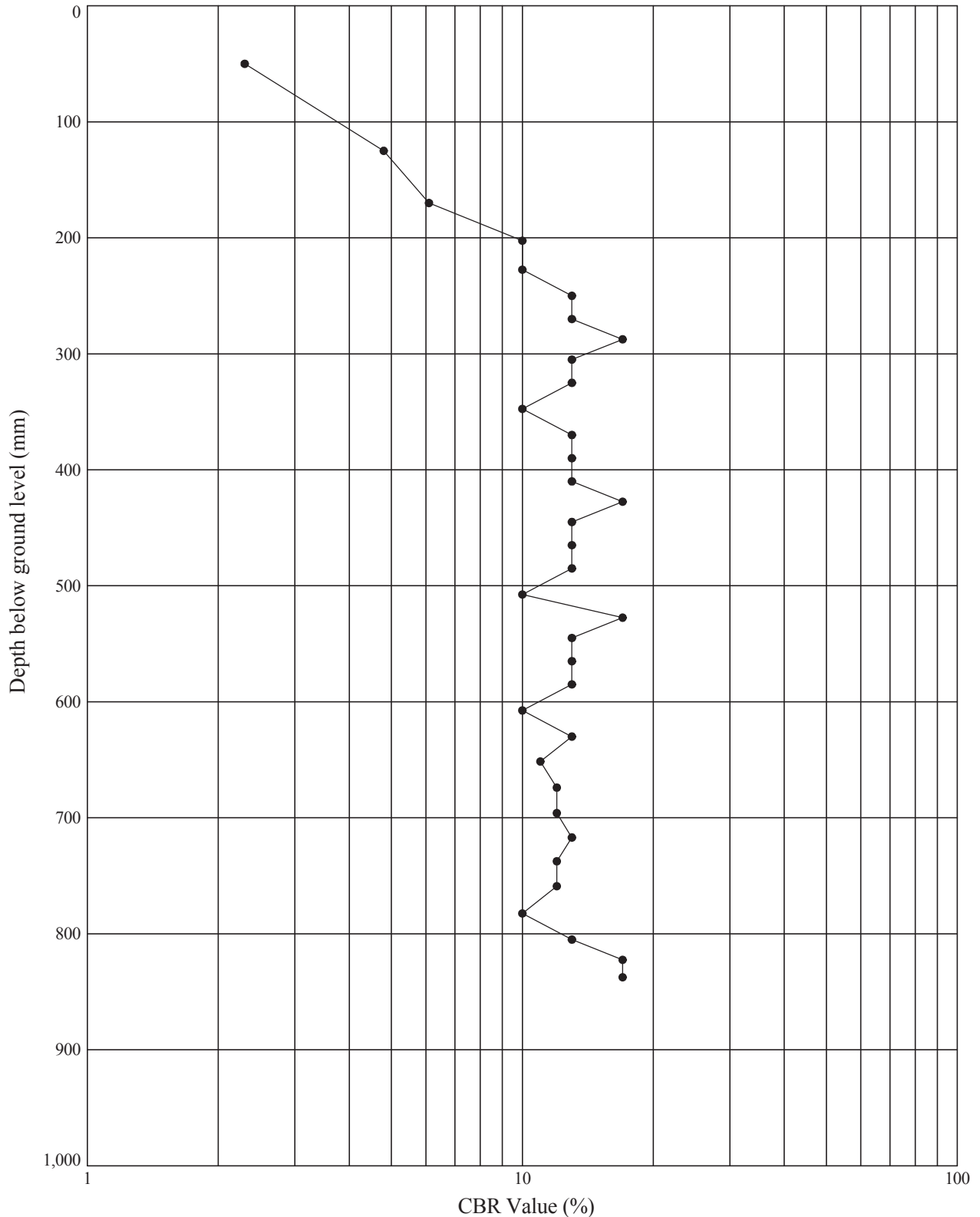
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR38**

Test Date : **04.04.13**

Ground Level (m AOD): **11.64**

National Grid Co-ordinates: **E:341354.1 N:159487.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Contract Ref:

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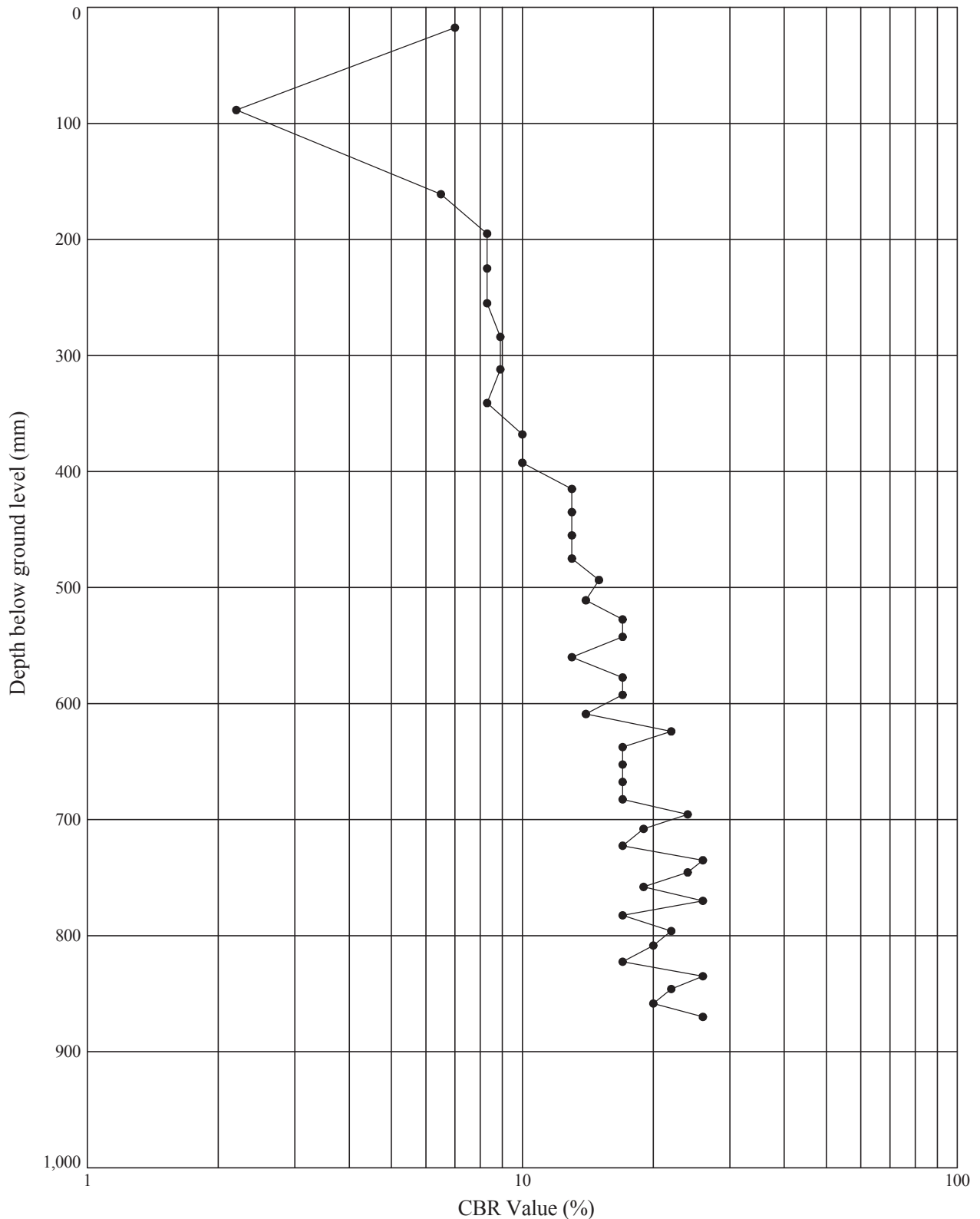
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR39**

Test Date : **04.04.13**

Ground Level (m AOD): **7.94**

National Grid Co-ordinates: **E:341267.3 N:159667.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Contract Ref:

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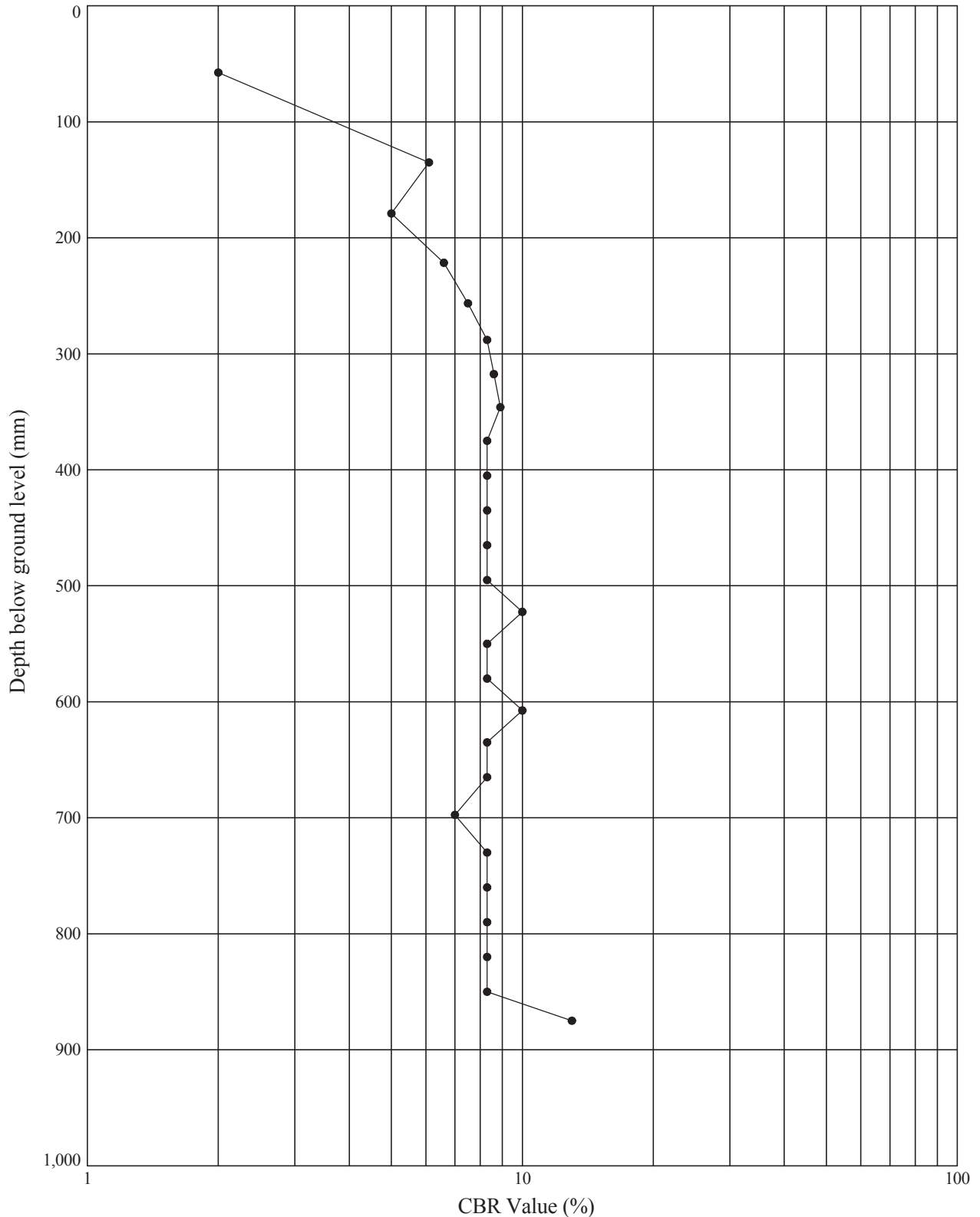
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR40**

Test Date : **04.04.13**

Ground Level (m AOD): **6.30**

National Grid Co-ordinates: **E:341100.9 N:159777.7**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract: Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

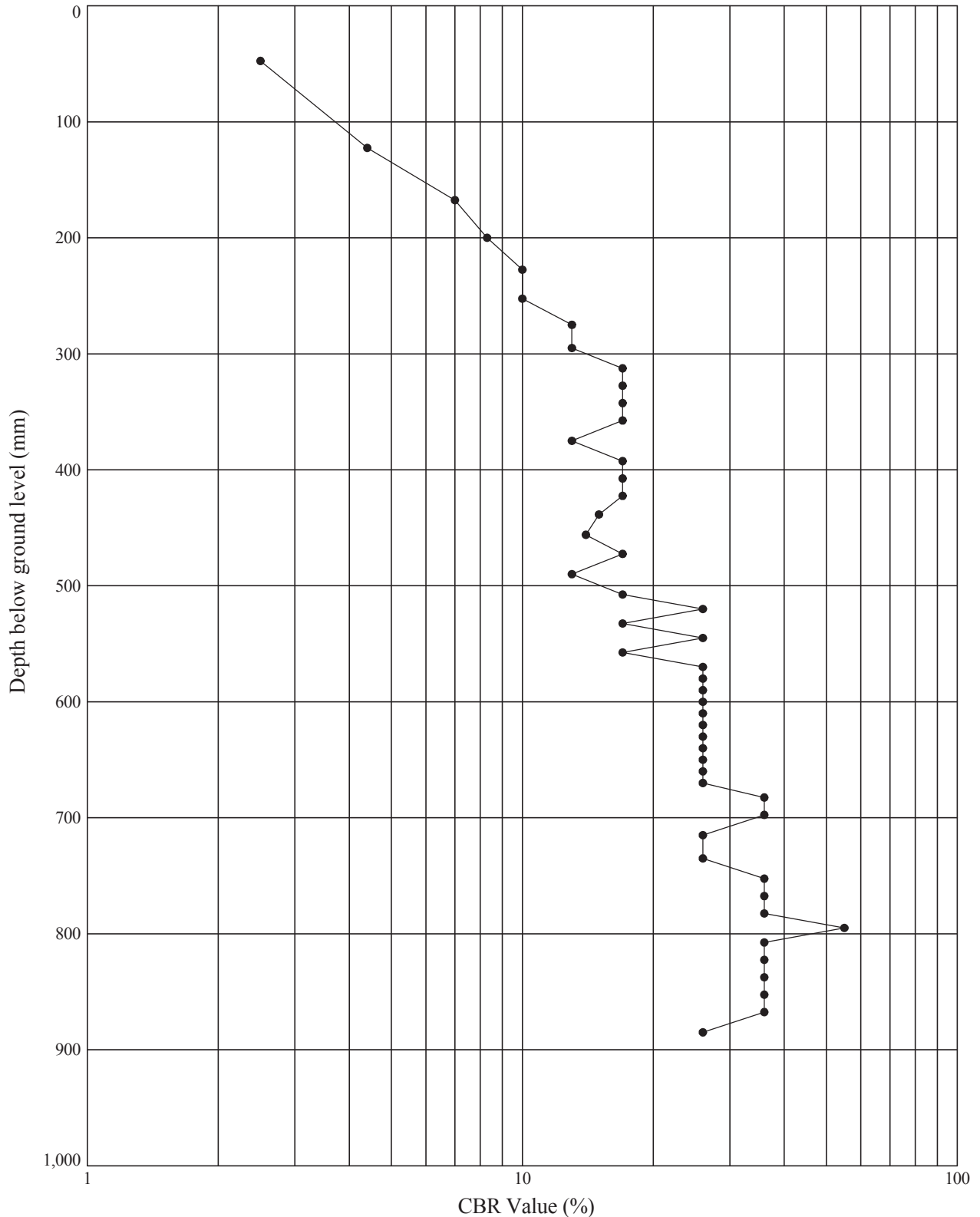
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR41**

Test Date : **04.04.13**

Ground Level (m AOD): **10.99**

National Grid Co-ordinates: **E:341219.9 N:159867.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Compiled By	Date	Checked By	Date
[REDACTED]	17/10/13	[REDACTED]	17/10/13
Contract:		Contract Ref:	
Hinkley to Seabank 400kV Connection		727635	

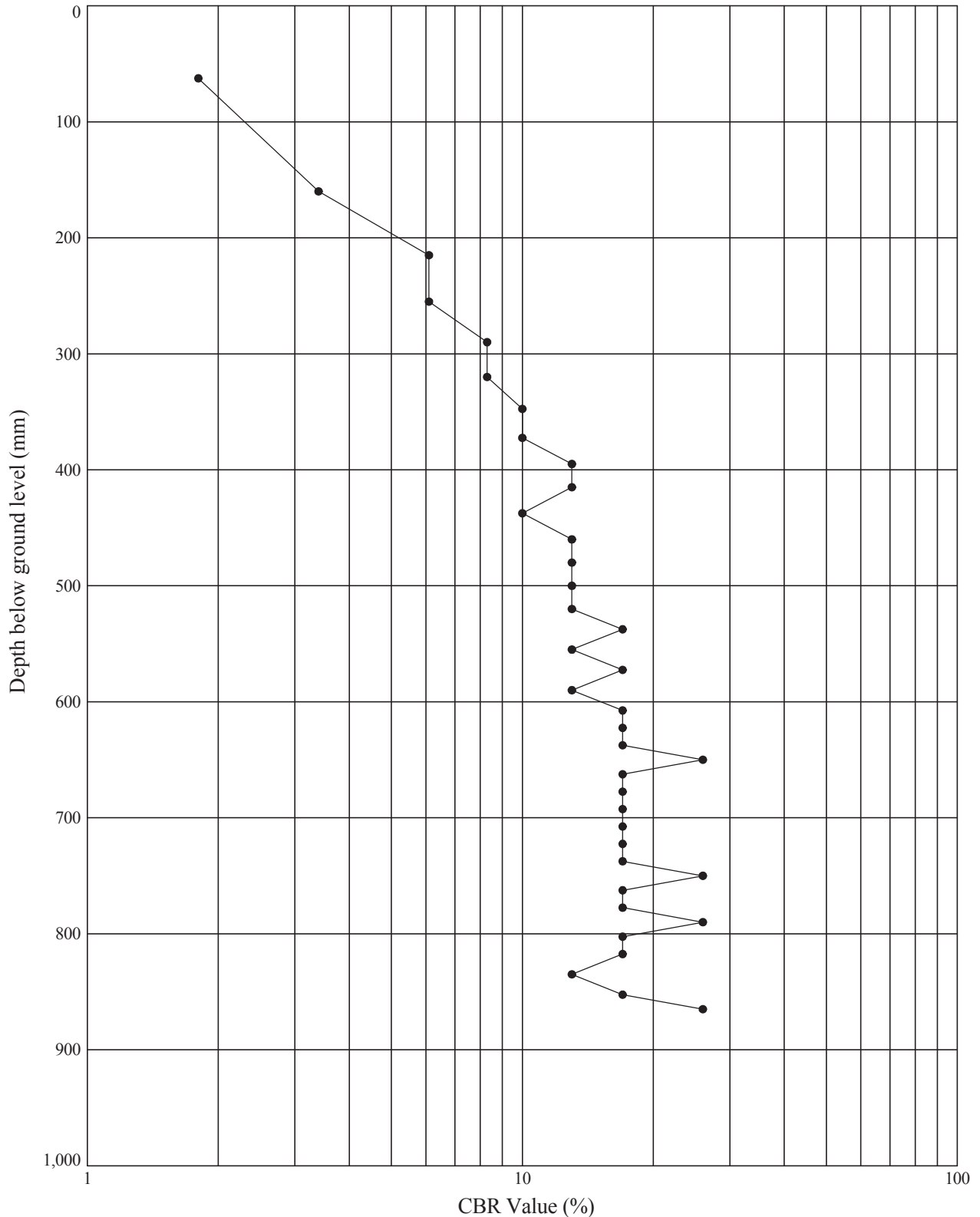
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR42**

Test Date : **05.04.13**

Ground Level (m AOD): **10.80**

National Grid Co-ordinates: **E:341242.6 N:160062.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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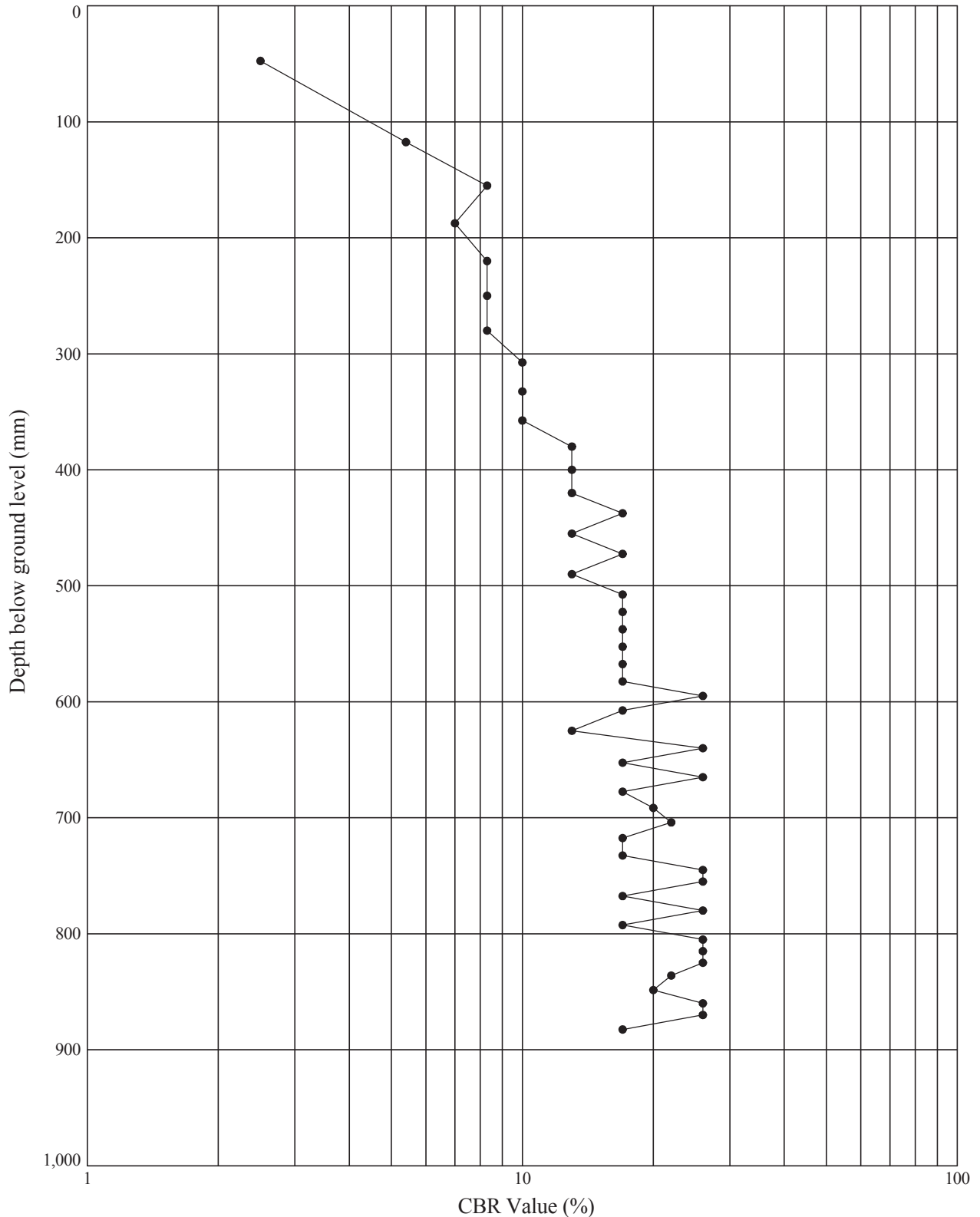
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR43**

Test Date : **05.04.13**

Ground Level (m AOD): **7.32**

National Grid Co-ordinates: **E:341262.3 N:160249.6**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test in conducted pasture land. Location: Sandford.



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Connection**

Contract Ref:

727635

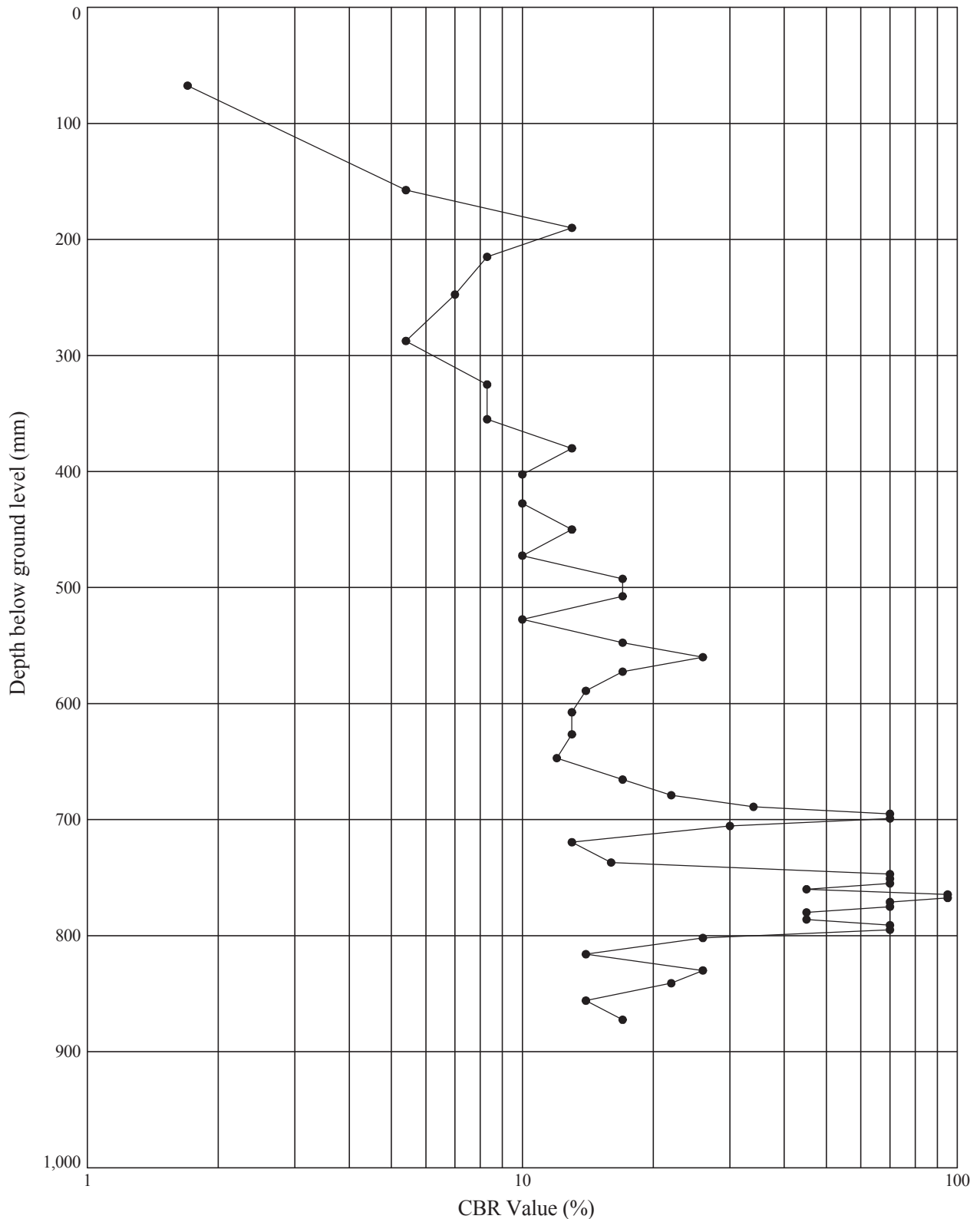
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR44**

Test Date : **05.04.13**

Ground Level (m AOD): **8.64**

National Grid Co-ordinates: **E:341407.9 N:160423.5**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford.



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Contract Ref:

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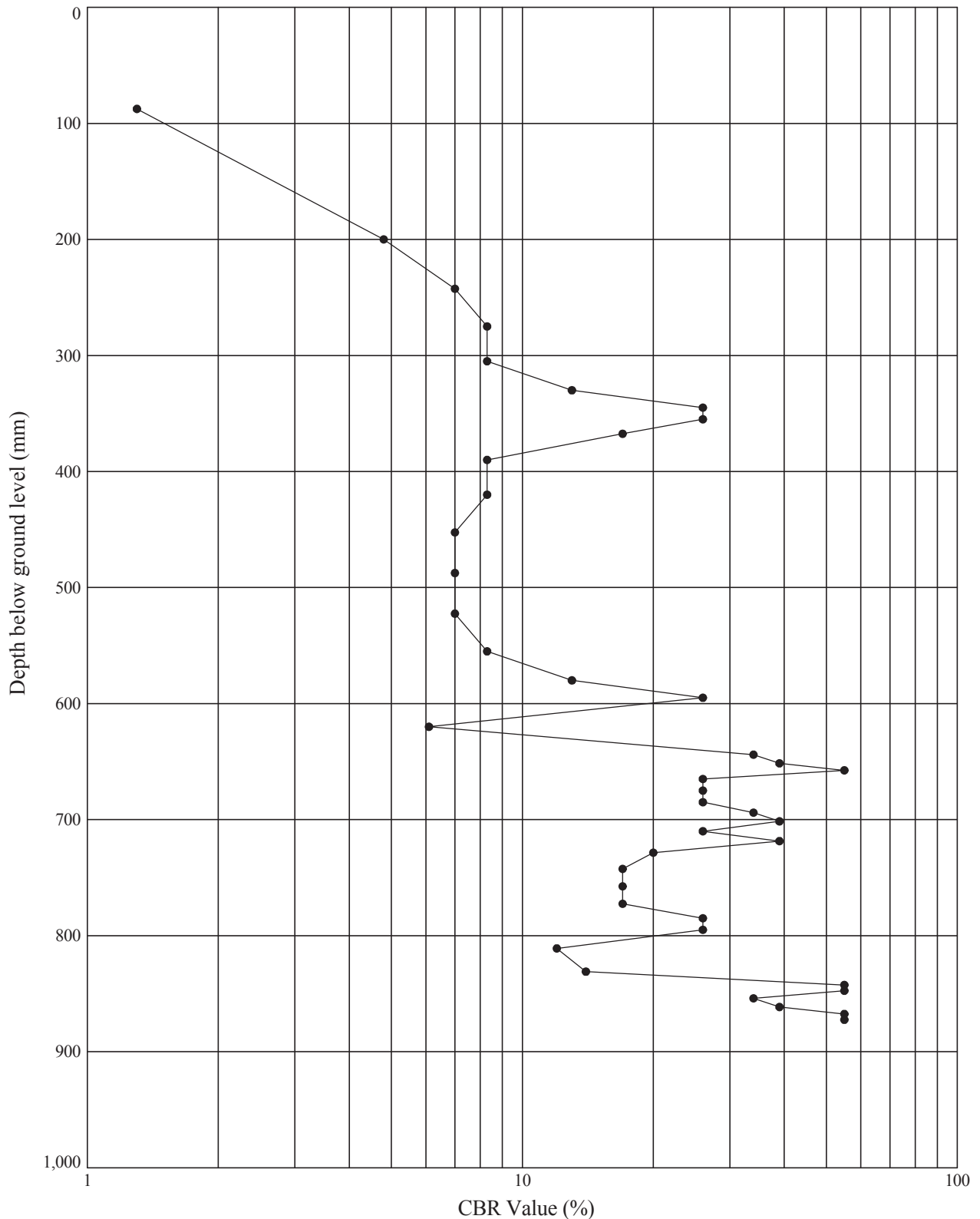
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position No : **UG-CBR45**

Test Date : **05.04.13**

Ground Level (m AOD): **7.46**

National Grid Co-ordinates: **E:341539.3 N:160560.3**



Notes: CBR values calculated after TRRL Road Note 8 method. Values over 100% are plotted on the 100% line.
Test conducted in pasture land. Location: Sandford (North Mendips Sealing End).



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[REDACTED]	17/10/13	[REDACTED]	17/10/13
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APPENDIX D

- (i) Geotechnical Laboratory Test Verification Sheet
- (ii) Geotechnical Laboratory Test Results

TESTING VERIFICATION CERTIFICATE



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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: **06/09/2013 16:24:09**.

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



Approved Signatory
Justin Barrett (Laboratory Manager)



STRUCTURAL SOILS
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contract:

**Hinkley to Seabank 400kV
Connection**

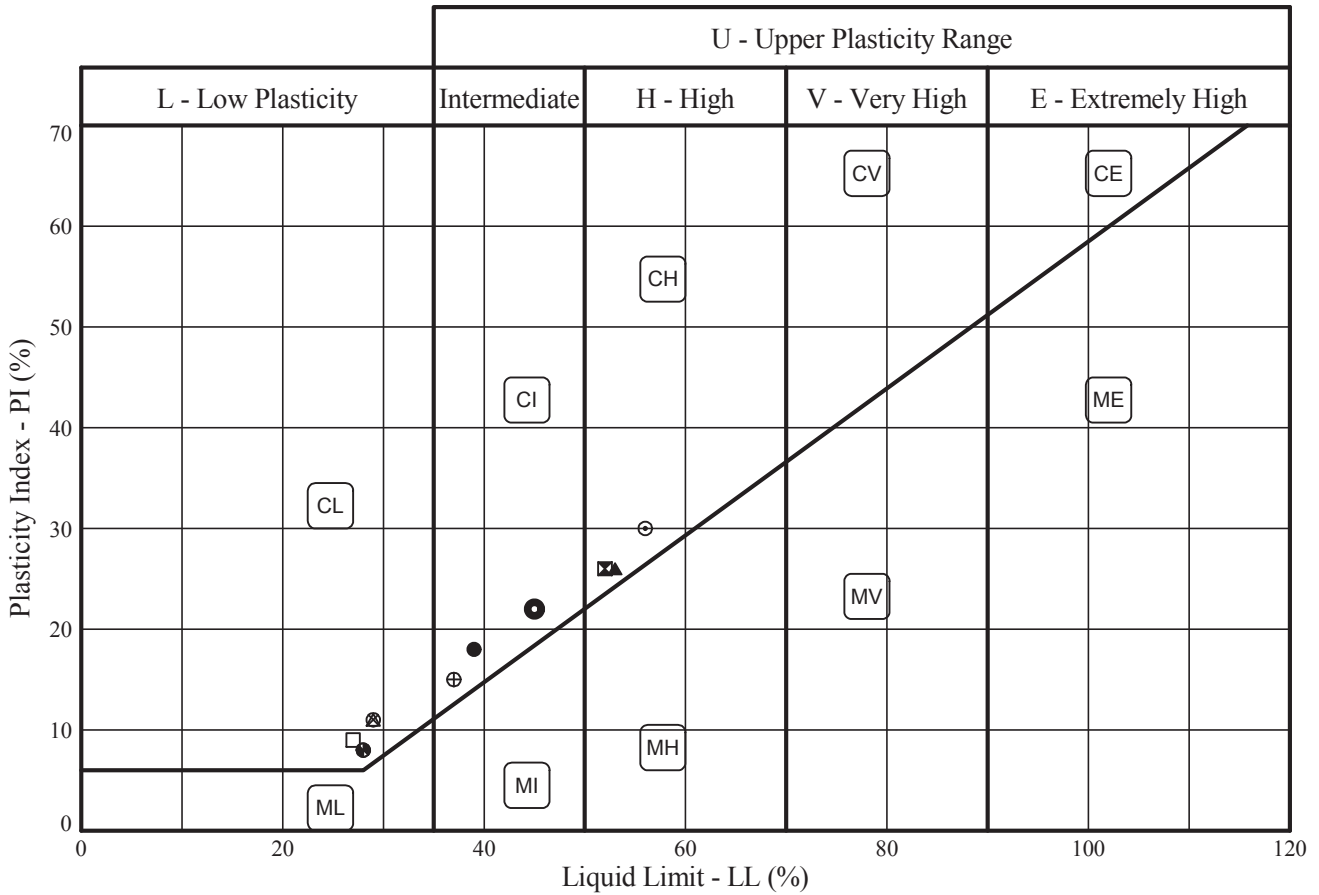
Job No:

727635



PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification				BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %
Exploratory Position ID	Sample	Depth (m)								
●	BHBWT1	28B	15.00	3.2/4.3/5.3/5.4	4.2.4	23	39	21	18	87
⊠	BHC1A	2D	0.60	3.2/4.3/5.3/5.4	4.2.3	27	52	26	26	100
▲	BHC1A	13B	4.50	3.2/4.3/5.3/5.4	4.2.3	61	53	27	26	100
	BHC1A	23B	10.00	3.2/4.4/5.3/5.4	4.2.3	61	NP	NP	NP	100
⊙	BHC1A	26B	11.60	3.2/4.3/5.3/5.4	4.2.3	45	56	26	30	72
	BHC1A	28B	13.00	3.2/4.4/5.3/5.4	4.2.3	30	NP	NP	NP	100
●	BHC1A	32B	15.50	3.2/4.3/5.3/5.4	4.2.3	46	45	23	22	100
△	BHC1A	35B	17.50	3.2/4.3/5.3/5.4	4.2.4	18	29	18	11	79
⊗	BHC1A	37B	19.00	3.2/4.3/5.3/5.4	4.2.4	22	29	18	11	68
⊕	BHC1B	3U	1.30	3.2/4.3/5.3/5.4	4.2.3	27	37	22	15	100
□	BHC1B	37B	17.50	3.2/4.3/5.3/5.4	4.2.3	25	27	18	9	97
⊗	BHC1B	40B	19.00	3.2/4.3/5.3/5.4	4.2.4	21	28	20	8	71
⊕	BHC1B	43B	20.50	3.2/4.3/5.3/5.4	4.2.4	21	28	20	8	43

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non standard test, NP = Non plastic.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



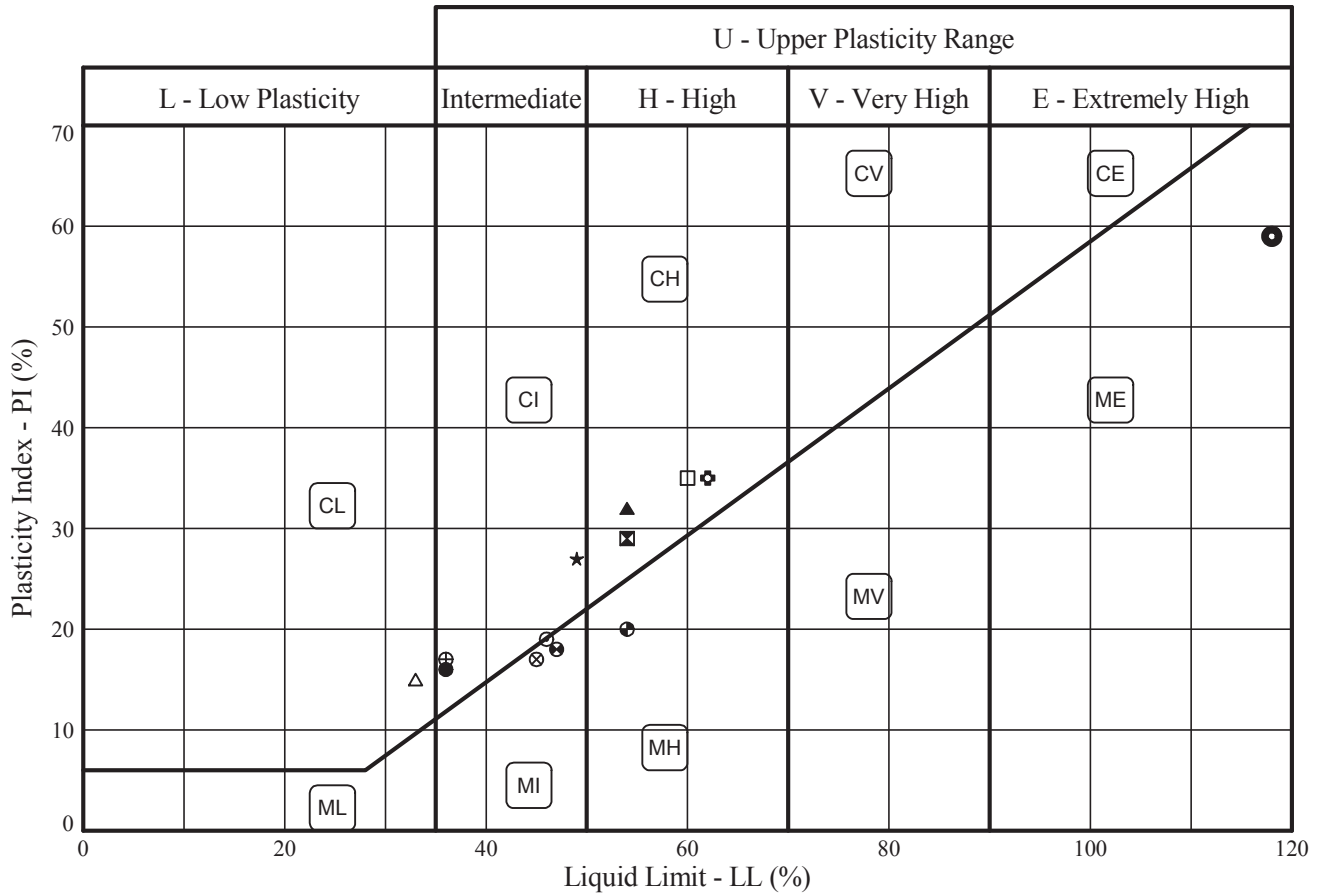
STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
[Redacted]		15/08/13
Contract		Contract Ref:
Hinkley to Seabank 400kV Connection		727635



PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification			BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %	
Exploratory Position ID	Sample	Depth (m)								
●	BHC1C	2U	1.42	3.2/4.3/5.3/5.4	4.2.3	25	36	20	16	100
⊠	BHC2A	3D	1.20	3.2/4.3/5.3/5.4	4.2.3	41	54	25	29	100
▲	BHC2B	3D	1.65	3.2/4.3/5.3/5.4	4.2.3	37	54	22	32	100
★	BHC2C	3D	1.20	3.2/4.3/5.3/5.4	4.2.3	27	49	22	27	100
⊙	BHC2D	2U	1.20	3.2/4.3/5.3/5.4	4.2.3	27	46	27	19	100
⊕	BHC3A	3U	1.26	3.2/4.3/5.3/5.4	4.2.3	40	62	27	35	100
⊗	BHC3B	3B	0.80	3.2/4.3/5.3/5.4	4.2.3	90	118	59	59	100
△	BHC3C	3B	0.80	3.2/4.3/5.3/5.4	4.2.4	17	33	18	15	64
⊗	BHC3D	2B	0.80	3.2/4.3/5.3/5.4	4.2.4	33	45	28	17	65
⊕	BHC4	2B	0.70	3.2/4.3/5.3/5.4	4.2.3	23	36	19	17	100
□	BHC5	2B	0.60	3.2/4.3/5.3/5.4	4.2.4	30	60	25	35	90
⊗	BHC5	4D	1.20	3.2/4.3/5.3/5.4	4.2.4	26	47	29	18	100
⊕	BHC5	6D	2.00	3.2/4.3/5.3/5.4	4.2.3	33	54	34	20	100

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non standard test, NP = Non plastic.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

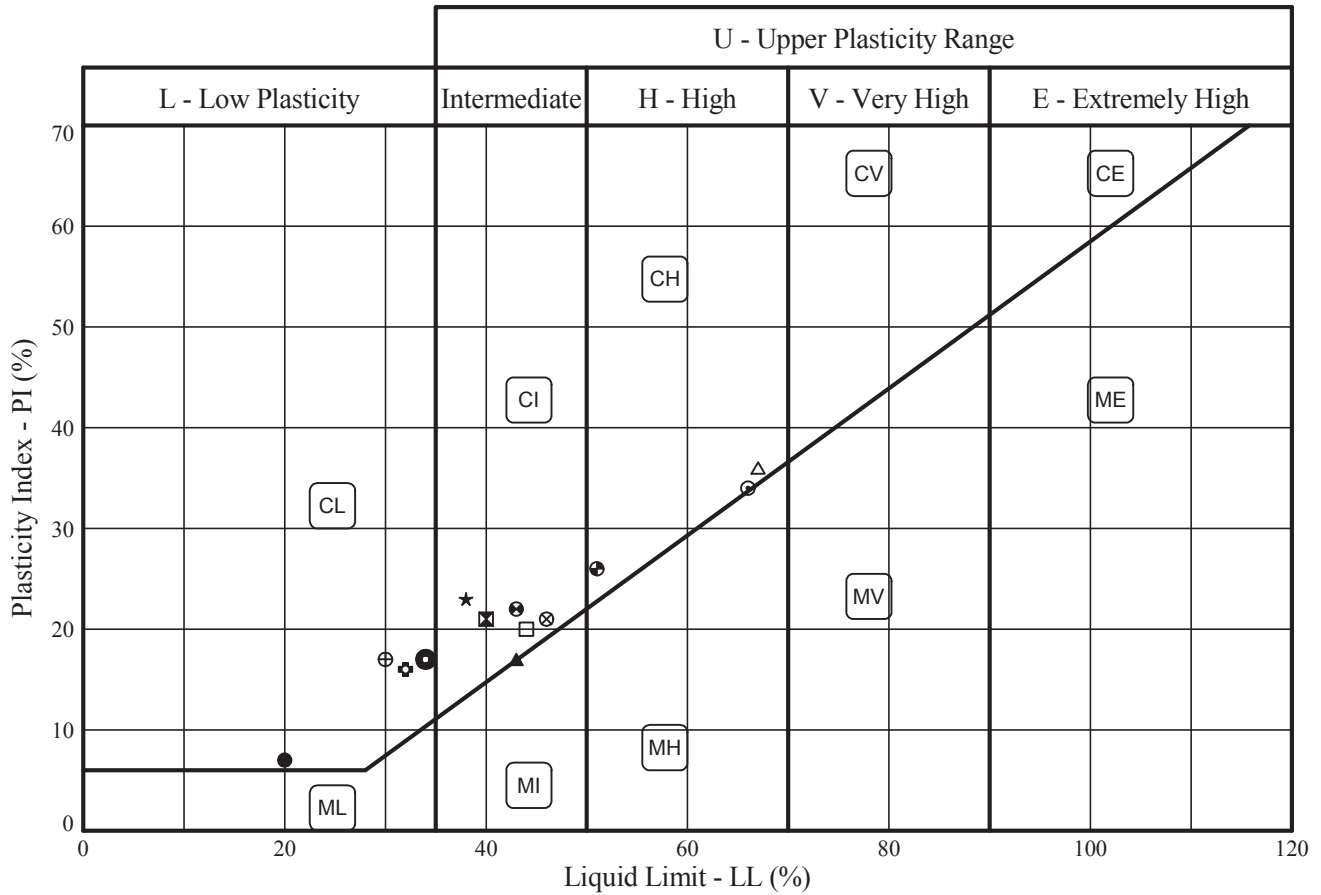


STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
[Redacted]		15/08/13
Contract Ref:		727635
Contract		
Hinkley to Seabank 400kV Connection		
AGS		

PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification				BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %	
Exploratory Position ID	Sample	Depth (m)									
●	BHC6	2B	0.20	3.2/4.3/5.3/5.4	4.2.3	14	20	13	7	96	
⊠	BHC6	4B	1.50	3.2/4.3/5.3/5.4	4.2.4	17	40	19	21	88	
▲	BHC7	3B	1.00	3.2/4.3/5.3/5.4	4.2.3	27	43	26	17	70	
★	BHC8A	2B	0.60	3.2/4.3/5.3/5.4	4.2.4	19	38	15	23	83	
⊙	BHC8A	4B	1.20	3.2/4.3/5.3/5.4	4.2.3	32	66	32	34	100	
⊕	BHC8B	2B	0.50	3.2/4.3/5.3/5.4	4.2.4	19	32	16	16	78	
⊗	BHC8B	4B	1.50	3.2/4.3/5.3/5.4	4.2.4	23	34	17	17	61	
△	BHC8C	2B	0.65	3.2/4.3/5.3/5.4	4.2.3	41	67	31	36	98	
⊗	BHC8C	5B	1.20	3.2/4.3/5.3/5.4	4.2.4	34	46	25	21	77	
⊕	BHC8D	2B	0.50	3.2/4.3/5.3/5.4	4.2.4	16	30	13	17	80	
□	BHC8D	4B	1.40	3.2/4.3/5.3/5.4	4.2.4	27	44	24	20	57	
⊕	BHC9A	2B	0.50	3.2/4.3/5.3/5.4	4.2.3	24	43	21	22	96	
⊕	BHC9A	5D	1.60	3.2/4.3/5.3/5.4	4.2.3	27	51	25	26	96	

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non standard test, NP = Non plastic.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By

Date

ALAN FROST

15/08/13

Contract

**Hinkley to Seabank 400kV
Connection**

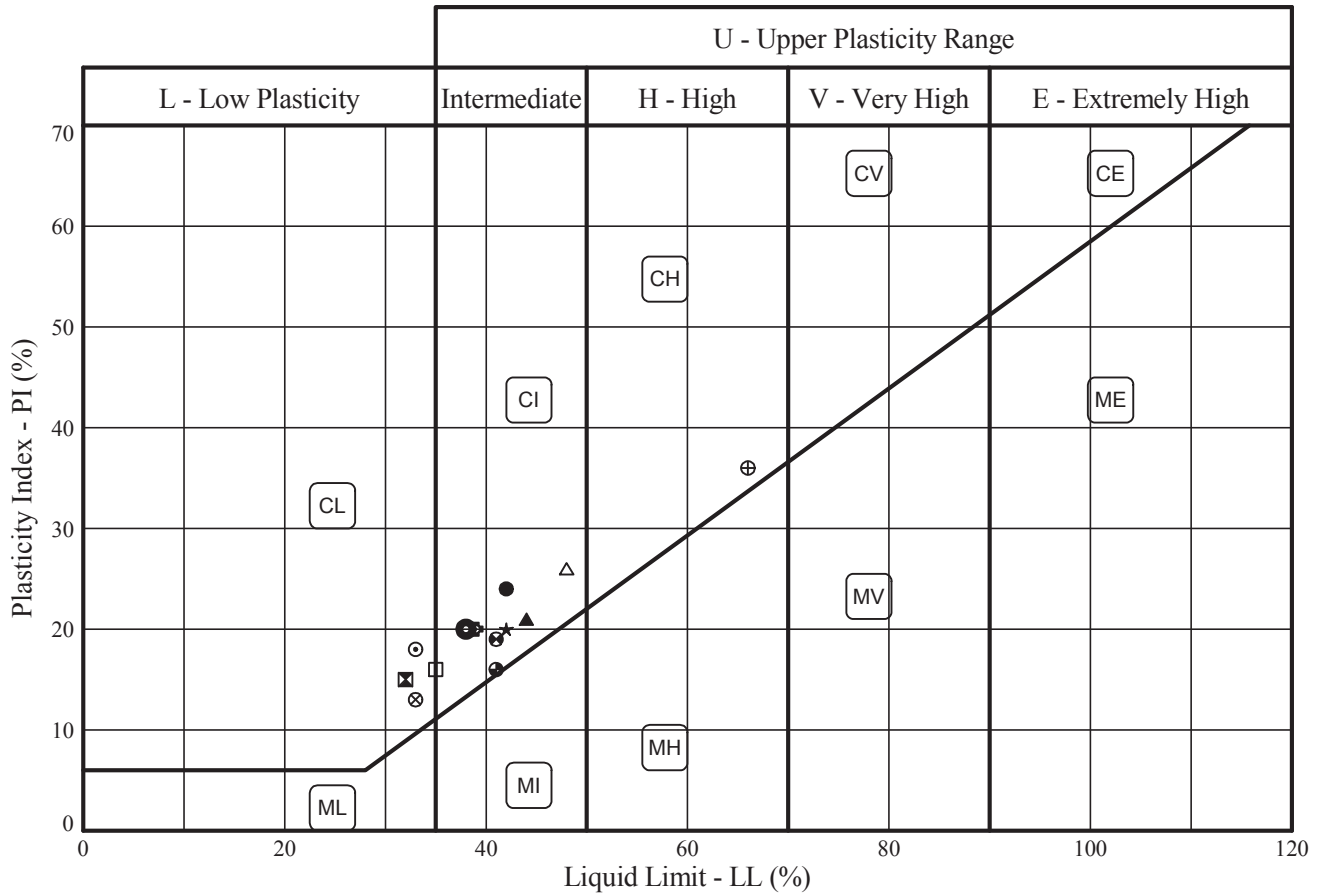
Contract Ref:

727635



PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification			BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %	
Exploratory Position ID	Sample	Depth (m)								
●	BHC9B	1B	0.20	3.2/4.3/5.3/5.4	4.2.3	20	42	18	24	72
⊠	BHC9C	2B	0.60	3.2/4.3/5.3/5.4	4.2.4	11	32	17	15	85
▲	BHC9D	3B	1.70	3.2/4.3/5.3/5.4	4.2.4	30	44	23	21	81
★	BHC10	1B	0.10	3.2/4.3/5.3/5.4	4.2.4	22	42	22	20	90
⊙	BHC10	3B	1.30	3.2/4.3/5.3/5.4	4.2.4	25	33	15	18	77
⊕	BHC12A	5B	0.30	3.2/4.3/5.3/5.4	4.2.4	30	39	19	20	94
⊗	BHC12A	4D	1.65	3.2/4.3/5.3/5.4	4.2.3	24	38	18	20	100
△	BHC12B	2B	0.40	3.2/4.3/5.3/5.4	4.2.4	29	48	22	26	81
⊗	BHC12B	6D	2.00	3.2/4.3/5.3/5.4	4.2.4	24	33	20	13	93
⊕	BHC12C	3B	0.60	3.2/4.3/5.3/5.4	4.2.3	50	66	30	36	100
□	BHC12D	2B	0.15	3.2/4.3/5.3/5.4	4.2.3	21	35	19	16	100
⊕	BHC13	2B	0.50	3.2/4.3/5.3/5.4	4.2.3	22	41	22	19	96
⊕	BHC13	4D	1.20	3.2/4.3/5.3/5.4	4.2.3	27	41	25	16	88

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non standard test, NP = Non plastic.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



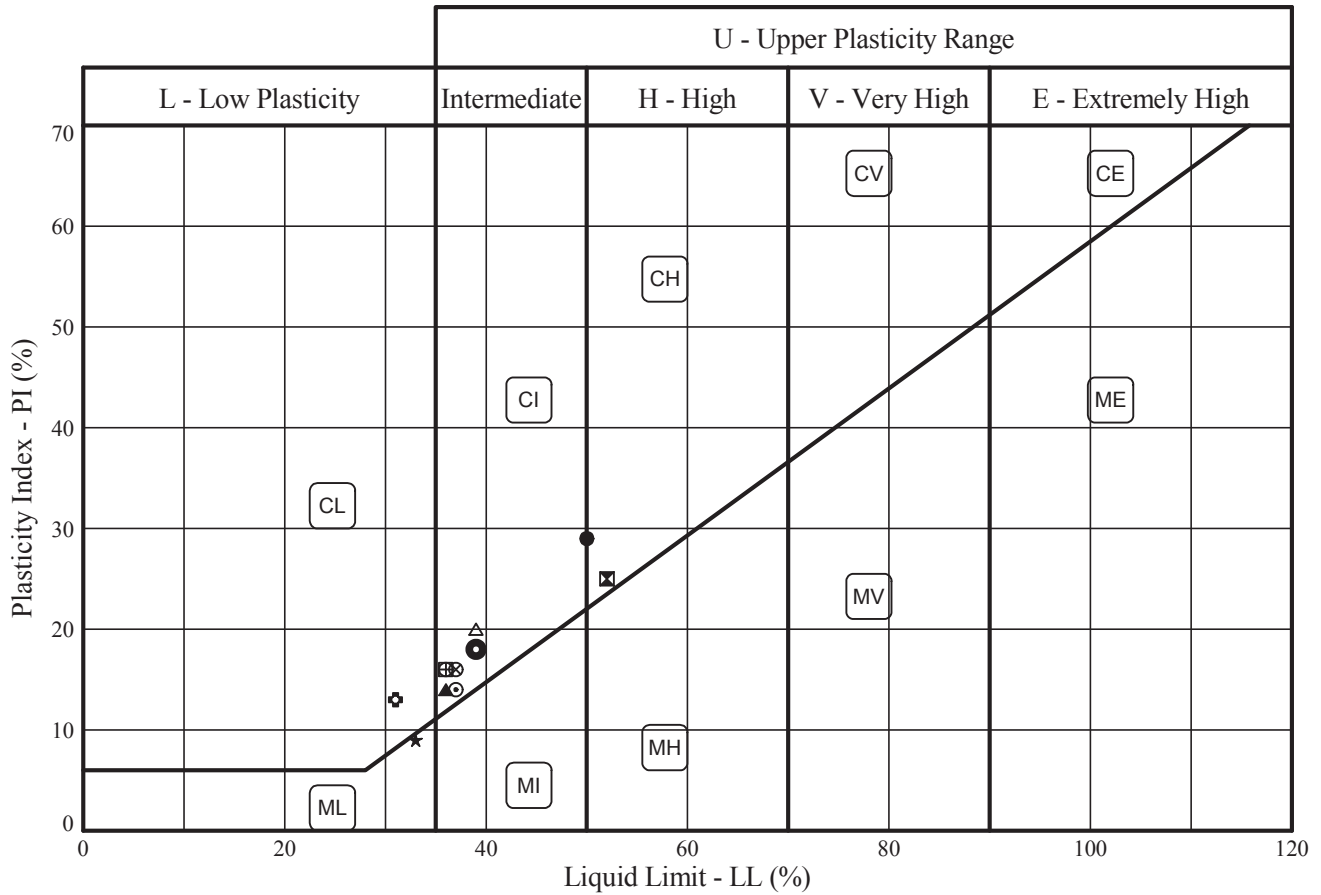
STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
ALAN FROST		15/08/13
Contract	Contract Ref:	
Hinkley to Seabank 400kV Connection	727635	



PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification				BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %	
Exploratory Position ID	Sample	Depth (m)									
●	BHC14	2B	0.50	3.2/4.3/5.3/5.4	4.2.4	20	50	21	29	81	
⊠	BHC14	3B	1.00	3.2/4.3/5.3/5.4	4.2.3	26	52	27	25	100	
▲	BHC14	6U	2.03	3.2/4.3/5.3/5.4	4.2.3	21	36	22	14	100	
★	BHC-LD1	29D	16.00	3.2/4.4/5.3/5.4	4.2.3	31	33	24	9	100	
⊙	BHC-LD1	35B	20.10	3.2/4.3/5.3/5.4	4.2.3	43	37	23	14	87	
⊗	BHC-LD1	39B	21.50	3.2/4.3/5.3/5.4	4.2.4	31	31	18	13	91	
⊕	BHC-LD23	37D	20.00	3.2/4.3/5.3/5.4	4.2.3	37	39	21	18	100	
△	BHC-LD23	45D	24.80	3.2/4.3/5.3/5.4	4.2.3	27	39	19	20	98	
⊗	BHC-LD23	47D	26.00	3.2/4.3/5.3/5.4	4.2.3	23	37	21	16	100	
⊕	BHC-LD23	49B	27.00	3.2/4.3/5.3/5.4	4.2.3	13	36	20	16	100	
□	BHVQ43R	33B	18.60	3.2/4.3/5.3/5.4	4.2.3	18	36	20	16	100	

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non standard test, NP = Non plastic.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

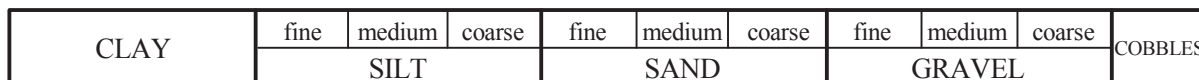


STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
[Redacted]		15/08/13
Contract Ref:		727635
Hinkley to Seabank 400kV Connection		AGS

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **15.00**

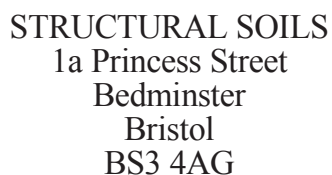


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	36
SAND	41
SILT/CLAY	23

Brown very silty/clayey very gravelly SAND

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the cumulative percentage of material passing through a series of sieve sizes. The x-axis represents the particle size in millimeters on a logarithmic scale, and the y-axis represents the percentage of material passing. The curve shows that approximately 92% of the material passes through a 0.075 mm sieve, and the percentage increases steadily, reaching 100% at a sieve size of 75.0 mm.


Particle Size (mm)	Percentage Passing (%)
0.075	92
0.150	96
0.300	98
0.600	98
1.18	99
2.00	100
3.35	100
6.30	100
10.0	100
20.0	100
37.5	100
63.0	100
75.0	100


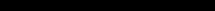

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	99
1.18	98
0.600	97
0.425	97
0.212	96
0.150	95
0.063	92

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	7
SILT/CLAY	92

Dark brown slightly gravelly slightly sandy CLAY



Compiled By		Date
	ALAN FROST	15/08/13
Contra  Hinkley to Seabank 400kV Connection		Contract Ref: 727635 

PARTICLE SIZE DISTRIBUTION TEST

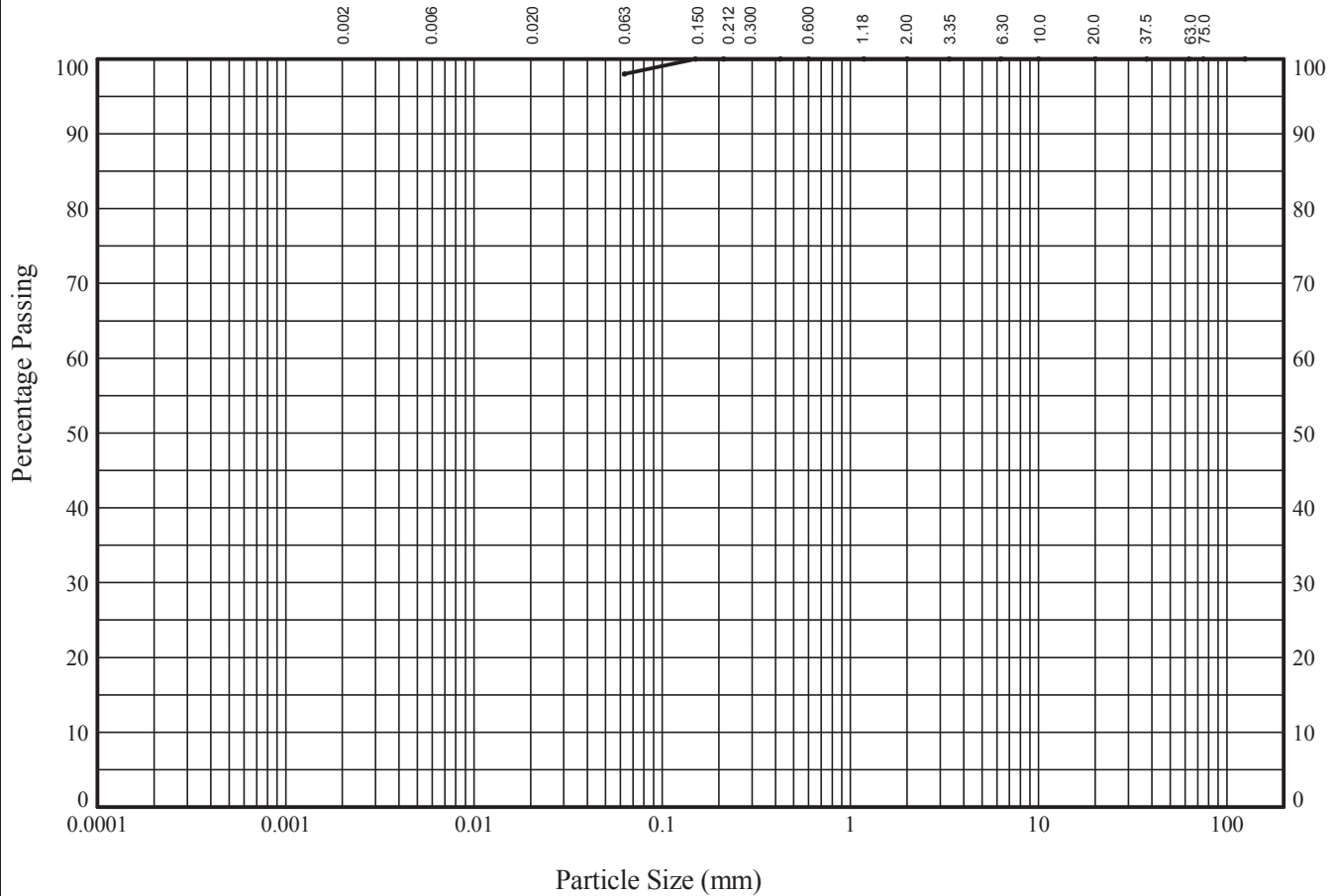
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC1A**

Sample Ref: **13**

Sample Type: **B**

Depth (m): **4.50**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	100
0.212	100
0.150	100
0.063	98

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	2
SILT/CLAY	98

Soil Description:
Dark grey slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
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ALAN FROST		
Contract Ref:		
Hinkley to Seabank 400kV Connection		727635
		AGS

PARTICLE SIZE DISTRIBUTION TEST

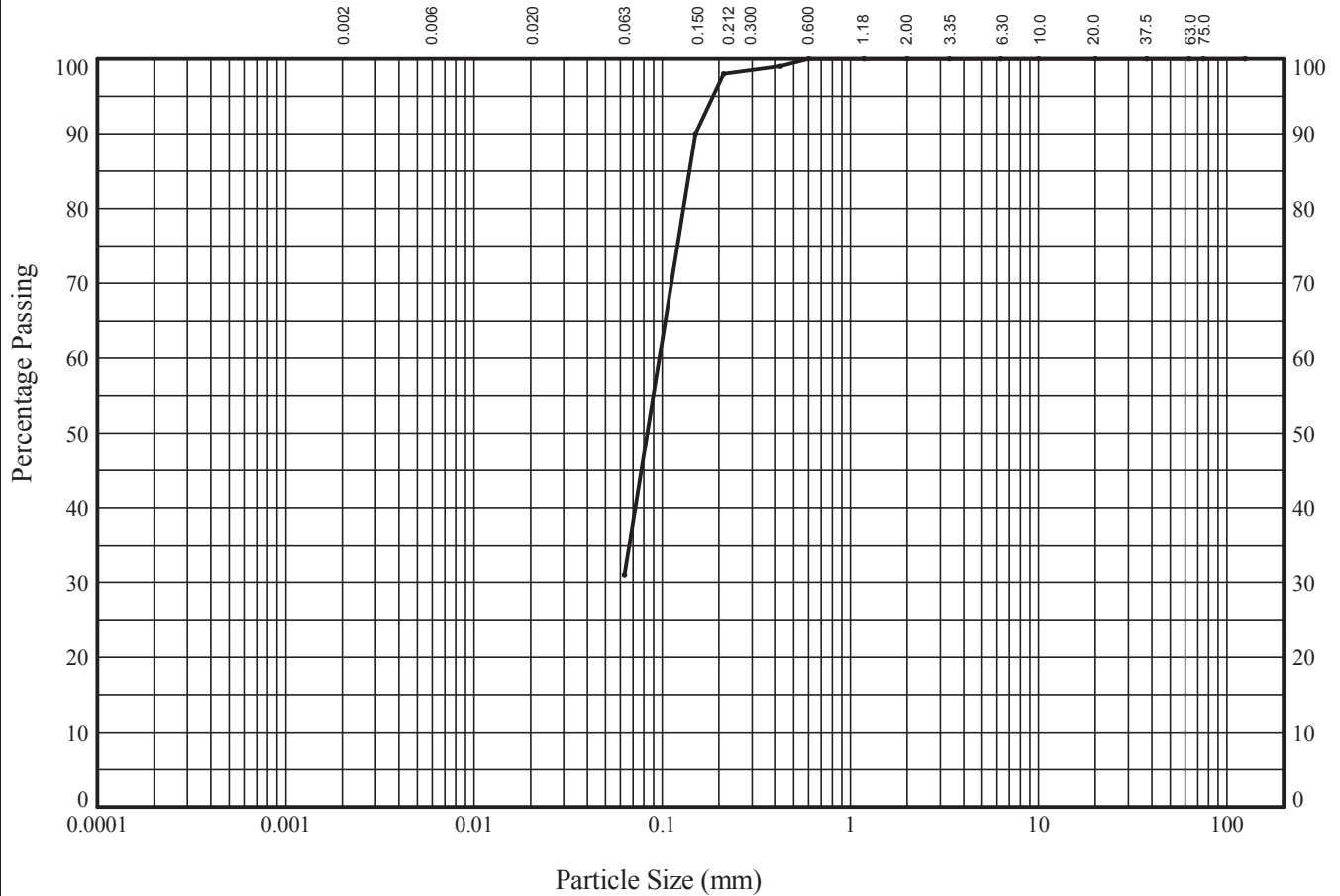
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC1A**

Sample Ref: **23**

Sample Type: **B**

Depth (m): **10.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	99
0.212	98
0.150	90
0.063	31

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	69
SILT/CLAY	31

Soil Description:

Grey very silty/clayey SAND

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
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Compiled By

Date

ALAN FROST

15/08/13

Contra

**Hinkley to Seabank 400kV
Connection**

Contract Ref:

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Particle Size (mm)	Percentage Passing (%)
0.075	28
0.150	97
0.300	99
0.600	100
1.18	100
2.00	100
3.35	100
6.30	100
10.0	100
20.0	100
37.5	100
60.0	100
75.0	100

CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	99
2.00	99
1.18	98
0.600	98
0.425	98
0.212	96
0.150	72
0.063	28

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	71
SILT/CLAY	28

Dark grey slightly gravelly very silty/clayey SAND

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



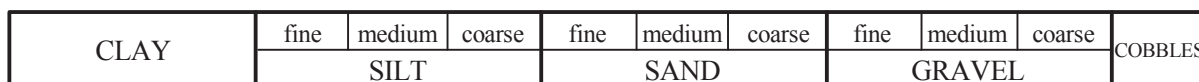
15/08/13

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **13.00**



Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	82
SILT/CLAY	18

Soil Description:
Dark grey silty/clayey SAND

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Compiled By

Date _____

ALAN FROST

15/08/13

Contra

Hinkley to Seabank 400kV Connection

Contract Ref:

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

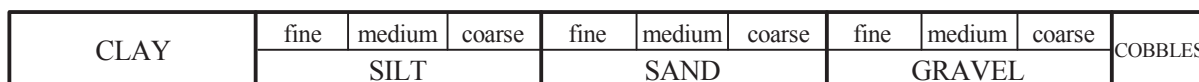
The graph displays the cumulative distribution of particle sizes. The x-axis represents particle size in millimeters on a logarithmic scale, with major ticks at 0.0001, 0.001, 0.01, 0.1, 1, 10, and 100. The y-axis represents the percentage of particles passing through a sieve, ranging from 0 to 100 in increments of 10. The curve starts at approximately 65% passing for a 0.063 mm sieve, rises steeply to about 97% at 0.300 mm, and then remains nearly constant at approximately 97% for sieves up to 10.0 mm. Finally, it reaches 100% passing at a sieve size of 75.0 mm.

Particle Size (mm)	Percentage Passing (%)
0.063	65
0.150	82
0.212	96
0.300	97
0.600	97
1.18	97
2.00	97
3.35	97
6.30	97
10.0	97
20.0	98
37.5	100
75.0	100

Grey slightly gravelly slightly sandy CLAY



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **1.30**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	3
SILT/CLAY	97

Brown slightly sandy CLAY



15/08/13

727635



PARTICLE SIZE DISTRIBUTION TEST

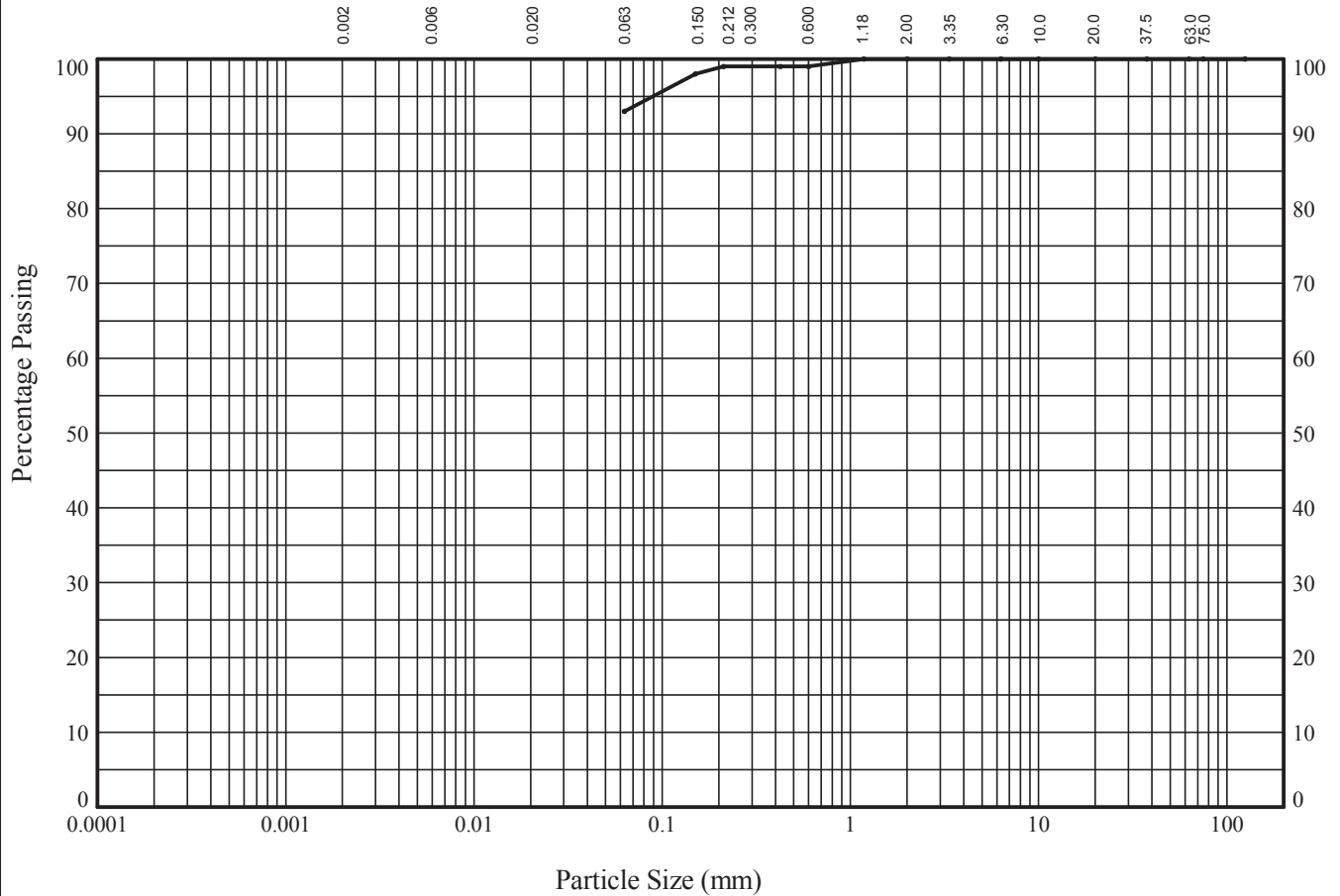
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC1C**

Sample Ref: **2**

Sample Type: **U**

Depth (m): **1.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	99
0.425	99
0.212	99
0.150	98
0.063	93

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	7
SILT/CLAY	93

Soil Description:
Brown slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



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1a Princess Street
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Bristol
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Contract Ref:		
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		AGS

PARTICLE SIZE DISTRIBUTION TEST

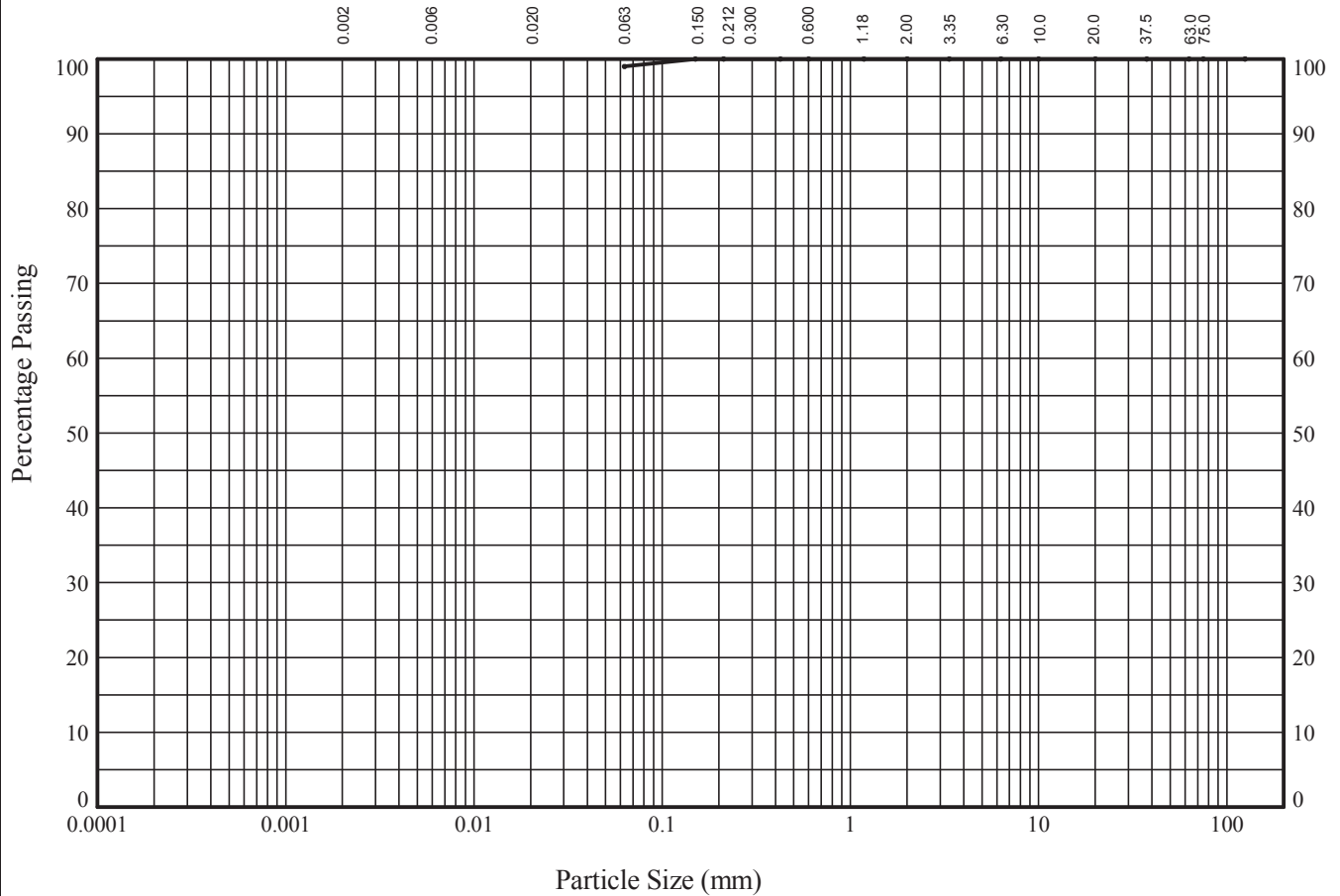
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC2A**

Sample Ref: **3**

Sample Type: **D**

Depth (m): **1.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	100
0.212	100
0.150	100
0.063	99

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	1
SILT/CLAY	99

Soil Description:

Light greyish brown slightly sandy CLAY

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Compiled By

Date

ALAN FROST

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**Hinkley to Seabank 400kV
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Contract Ref:

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PARTICLE SIZE DISTRIBUTION TEST

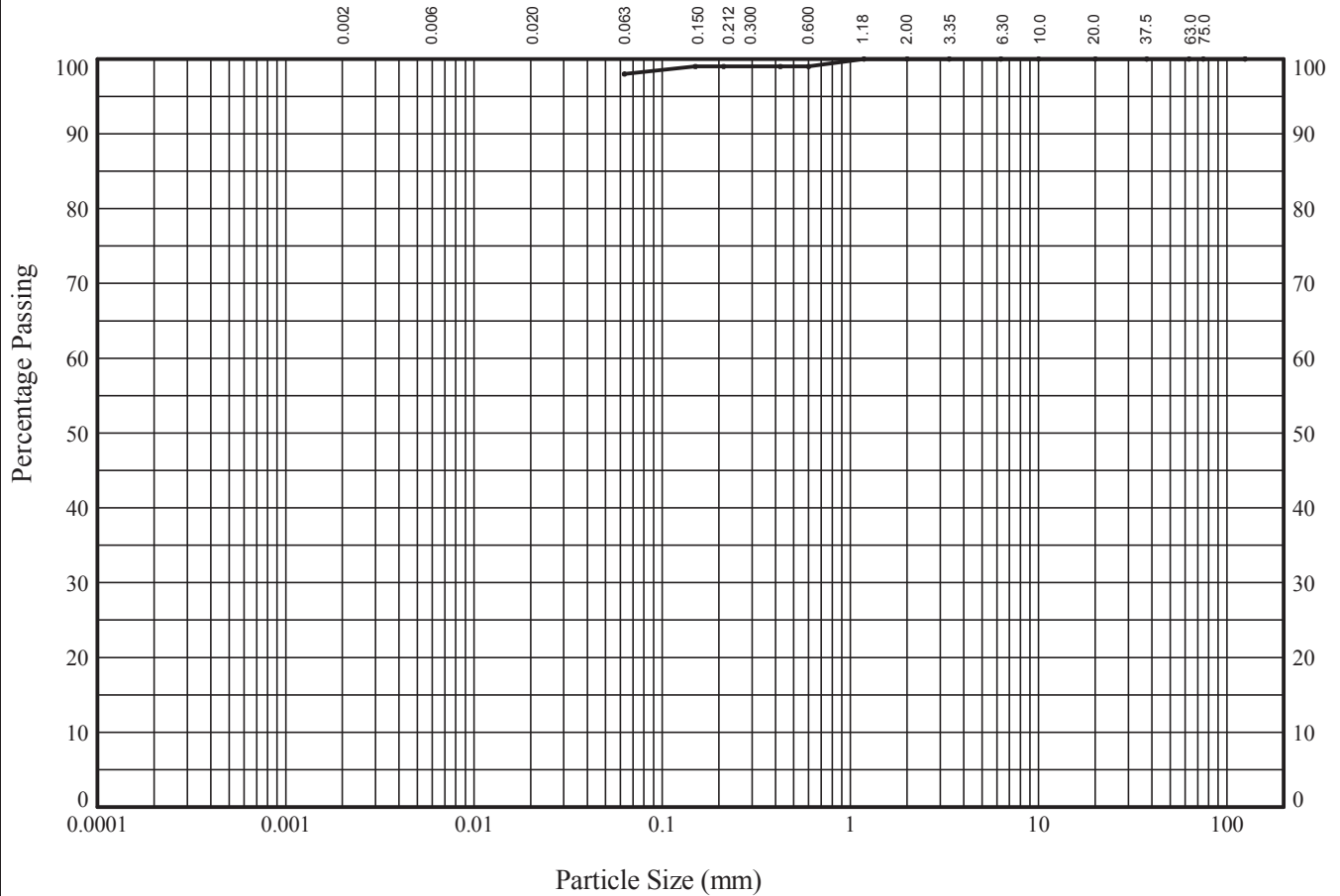
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC2B**

Sample Ref: **3**

Sample Type: **D**

Depth (m): **1.65**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	99
0.425	99
0.212	99
0.150	99
0.063	98

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	2
SILT/CLAY	98

Soil Description:
Brown slightly sandy CLAY

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PARTICLE SIZE DISTRIBUTION TEST

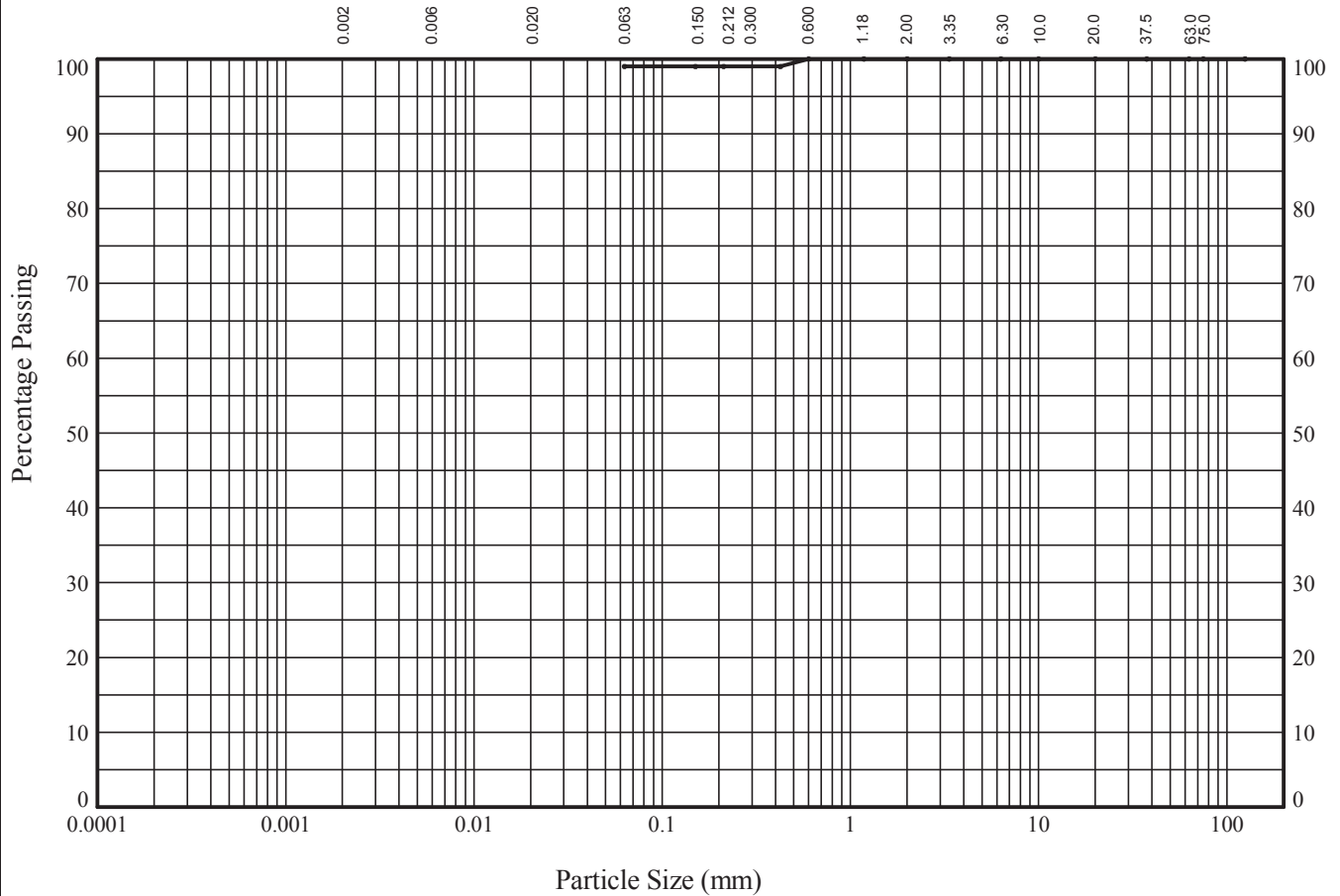
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC2C**

Sample Ref: **3**

Sample Type: **D**

Depth (m): **1.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	99
0.212	99
0.150	99
0.063	99

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	1
SILT/CLAY	99

Soil Description:
Dark grey slightly sandy CLAY

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PARTICLE SIZE DISTRIBUTION TEST

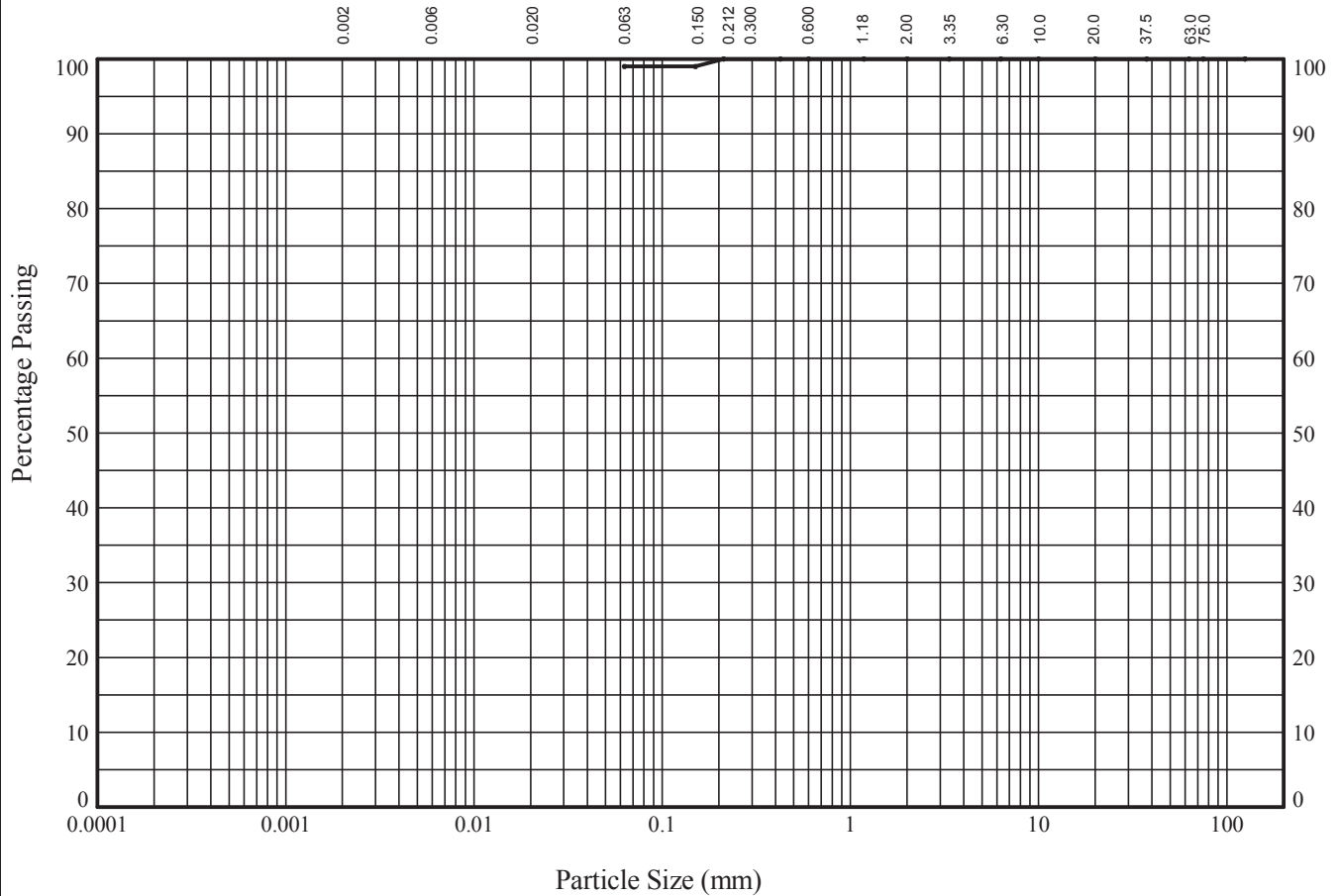
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC2D**

Sample Ref: **2**

Sample Type: **U**

Depth (m): **1.25**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	100
0.212	100
0.150	99
0.063	99

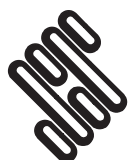
Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	1
SILT/CLAY	99

Soil Description:

Brown slightly sandy silty CLAY

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PARTICLE SIZE DISTRIBUTION TEST

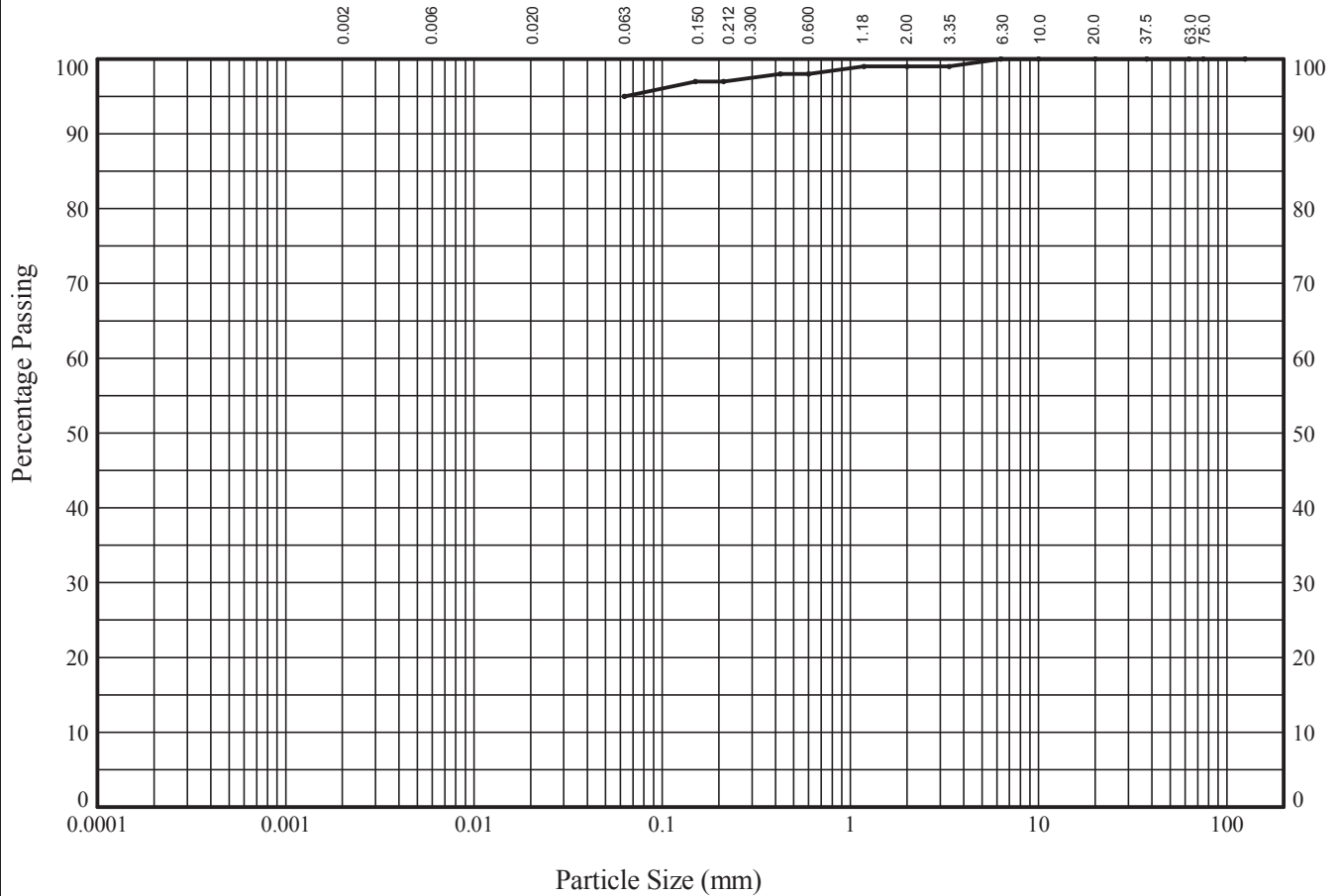
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC3A**

Sample Ref: **3**

Sample Type: **U**

Depth (m): **1.36**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	99
2.00	99
1.18	99
0.600	98
0.425	98
0.212	97
0.150	97
0.063	95

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	4
SILT/CLAY	95

Soil Description:

Reddish brown slightly gravelly slightly sandy CLAY

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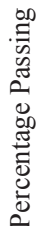
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Contract		Contract Ref:
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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

0.80

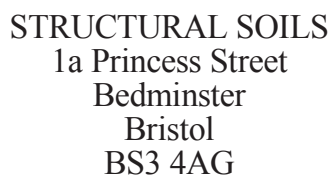
CLAY

BS Test Sieve (mm)	Mass (g)	Percentage (%)
75	10	10
150	15	15
300	20	20
475	25	25
750	30	30
1060	35	35
1500	40	40
2000	45	45
2500	50	50
3000	55	55
3500	60	60
4000	65	65
4500	70	70
5000	75	75
5500	80	80
6000	85	85
6500	90	90
7000	95	95
7500	100	100

Particle
DiameterSoil
Fraction

Dark brown slightly gravelly slightly sandy organic SILT with occasional pockets of peat

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15/08/13

Hinkley to Seabank 400kV Connection

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PARTICLE SIZE DISTRIBUTION TEST

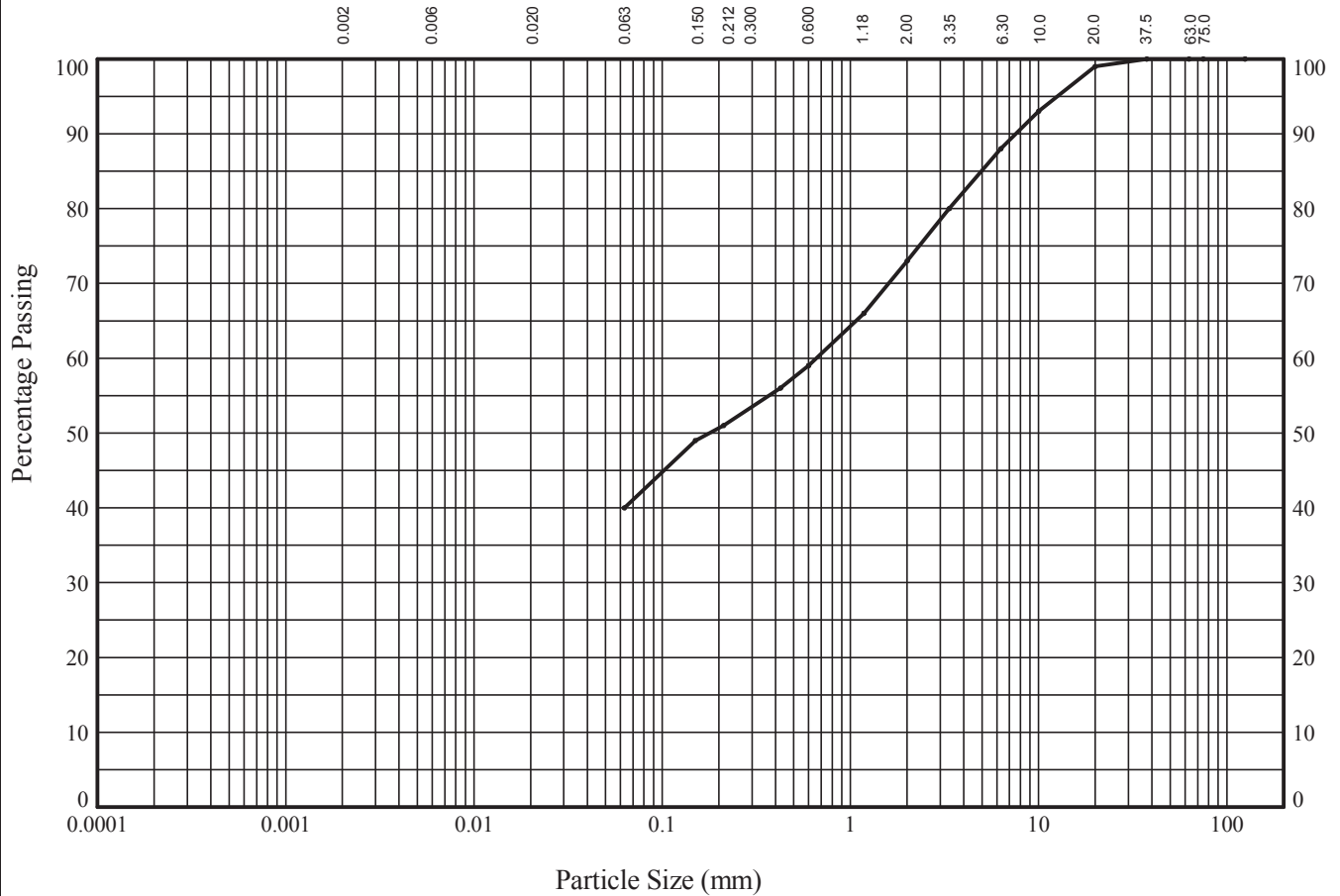
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC3C**

Sample Ref: **3**

Sample Type: **B**

Depth (m): **0.80**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	99
10.0	93
6.30	88
3.35	80
2.00	73
1.18	66
0.600	59
0.425	56
0.212	51
0.150	49
0.063	40

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	27
SAND	33
SILT/CLAY	40

Soil Description:

Grey mottled reddish brown slightly gravelly slightly sandy CLAY

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PARTICLE SIZE DISTRIBUTION TEST

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

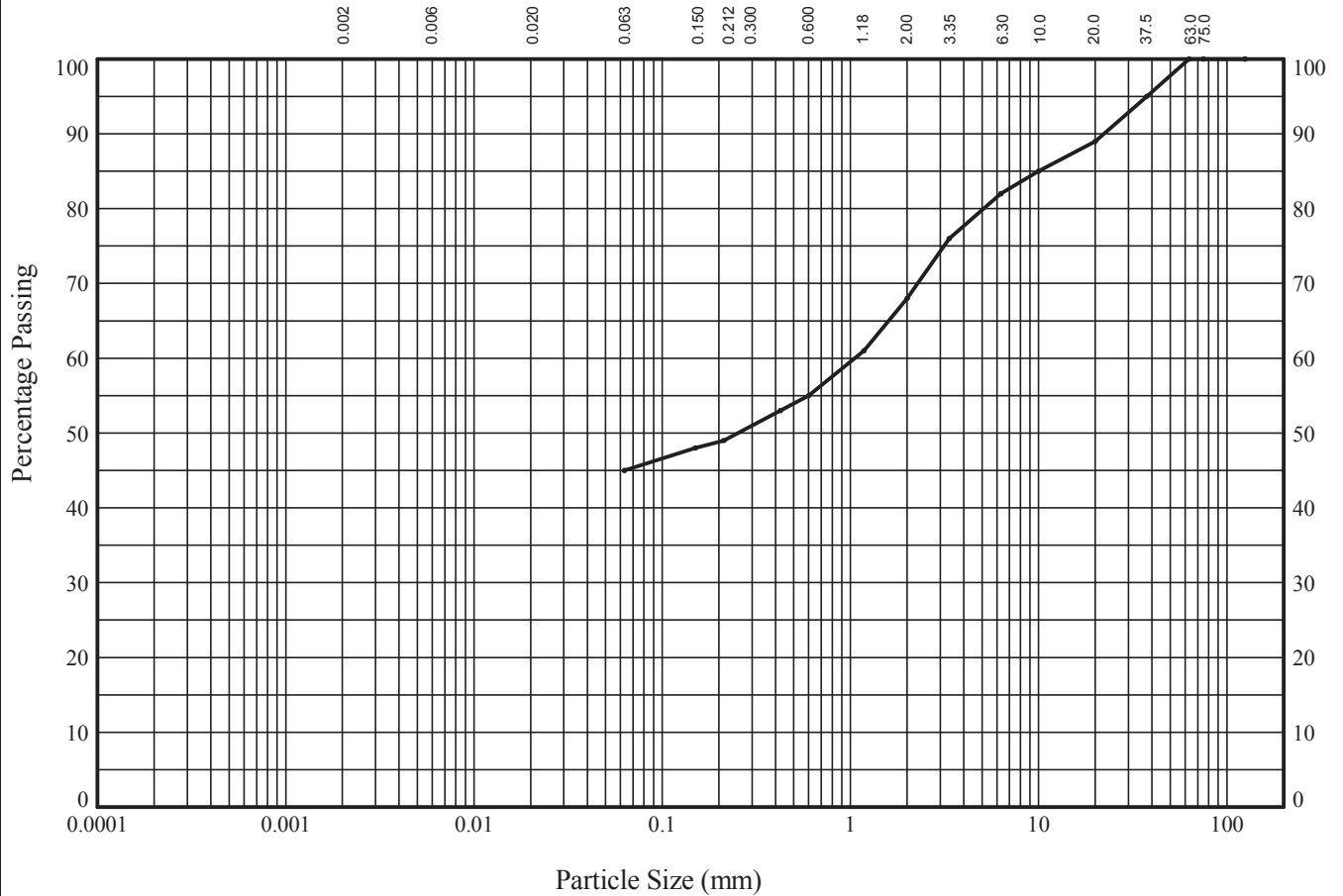
NON STANDARD TEST

Borehole : **BHC3D**

Sample Ref: **2**

Sample Type: **B**

Depth (m): **0.80**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	95
20.0	89
10.0	85
6.30	82
3.35	76
2.00	68
1.18	61
0.600	55
0.425	53
0.212	49
0.150	48
0.063	45

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	32
SAND	23
SILT/CLAY	45

Soil Description:

Reddish brown slightly sandy slightly gravelly SILT

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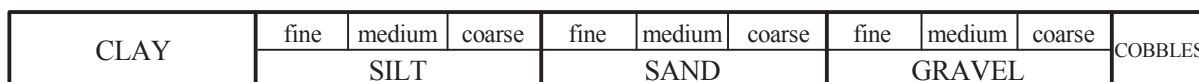


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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

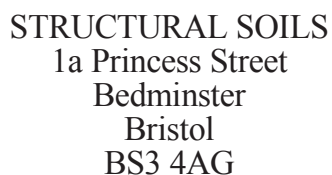
Depth (m): **0.70**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	3
SAND	23
SILT/CLAY	74

Brown slightly gravelly slightly sandy CLAY

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15/08/13

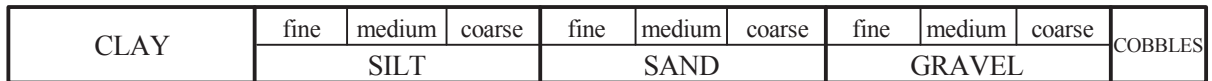
Hinkley to Seabank 400kV Connection

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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **0.60**



Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	6
SAND	6
SILT/CLAY	88

Reddish brown slightly gravelly slightly sandy CLAY



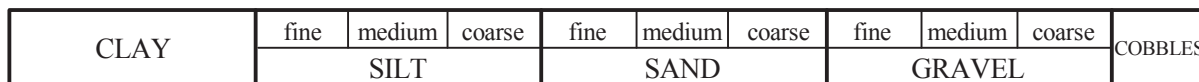
Date _____

15/08/13

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

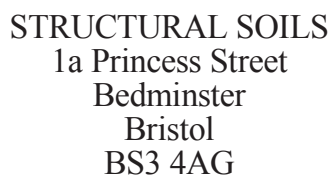
Depth (m): **1.20**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	2
SAND	10
SILT/CLAY	88

Reddish brown mottled grey slightly gravelly slightly sandy SILT

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Date _____

15/08/13

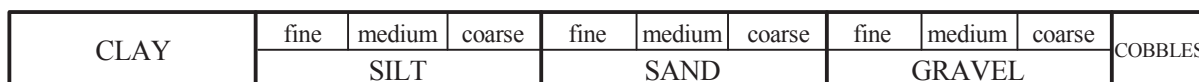
Hinkley to Seabank 400kV Connection

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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **2.00**

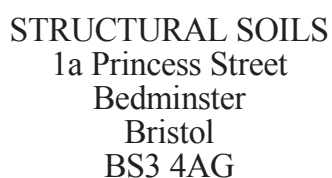


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	8
SILT/CLAY	91

Reddish brown slightly gravelly slightly sandy SILT

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Hinkley to Seabank 400kV Connection

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PARTICLE SIZE DISTRIBUTION TEST

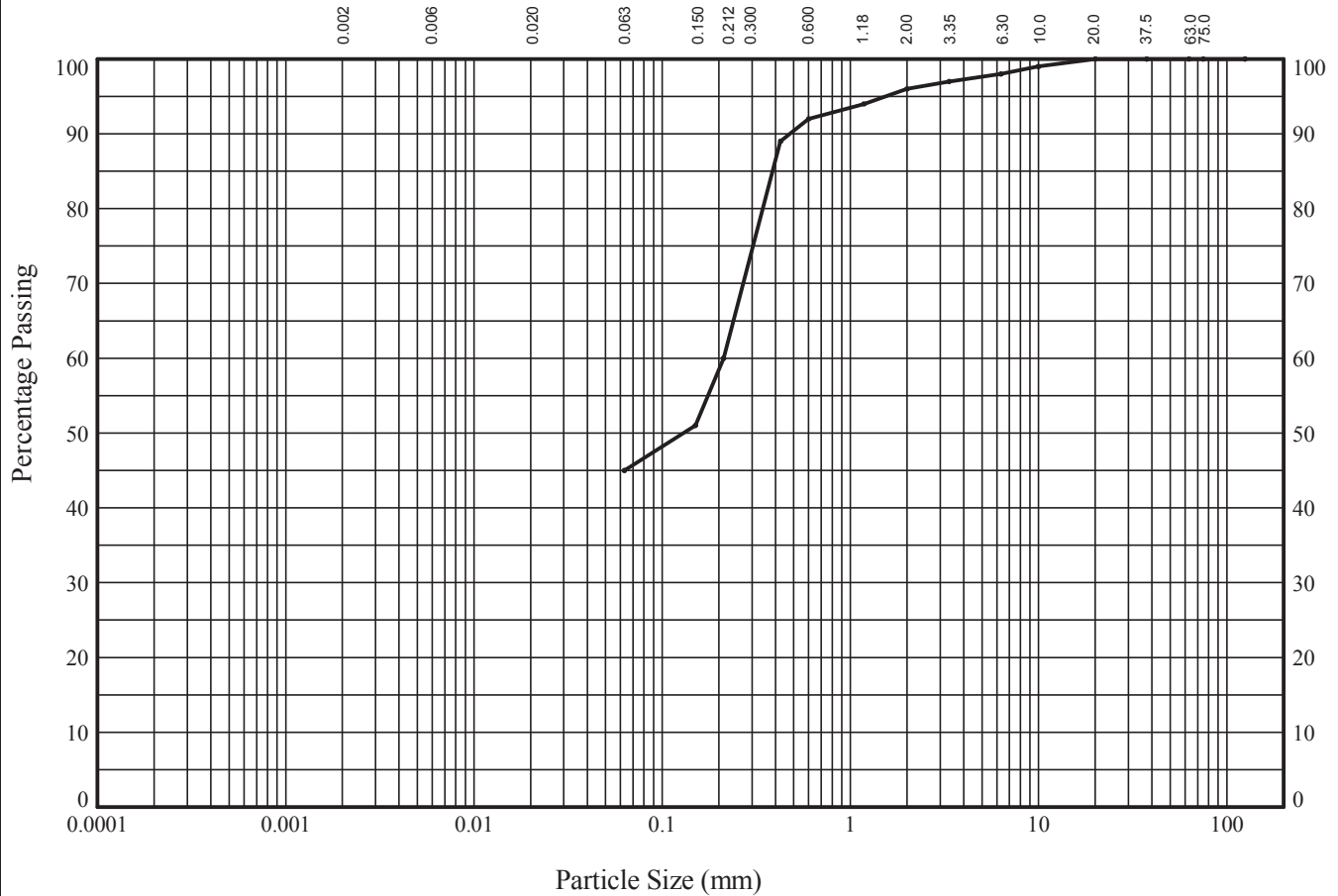
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC6**

Sample Ref: **2**

Sample Type: **B**

Depth (m): **0.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	99
6.30	98
3.35	97
2.00	96
1.18	94
0.600	92
0.425	89
0.212	60
0.150	51
0.063	45

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	4
SAND	51
SILT/CLAY	45

Soil Description:
Reddish brown slightly gravelly sandy CLAY

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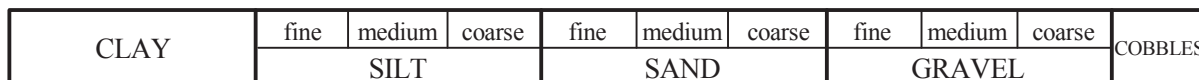


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	ALAN FROST		15/08/13
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		AGS	

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **1.50**

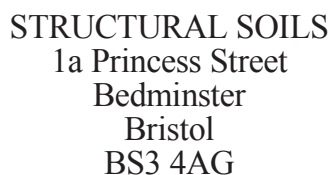


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	5
SAND	33
SILT/CLAY	62

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



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15/08/13

Hinkley to Seabank 400kV Connection

727635



PARTICLE SIZE DISTRIBUTION TEST

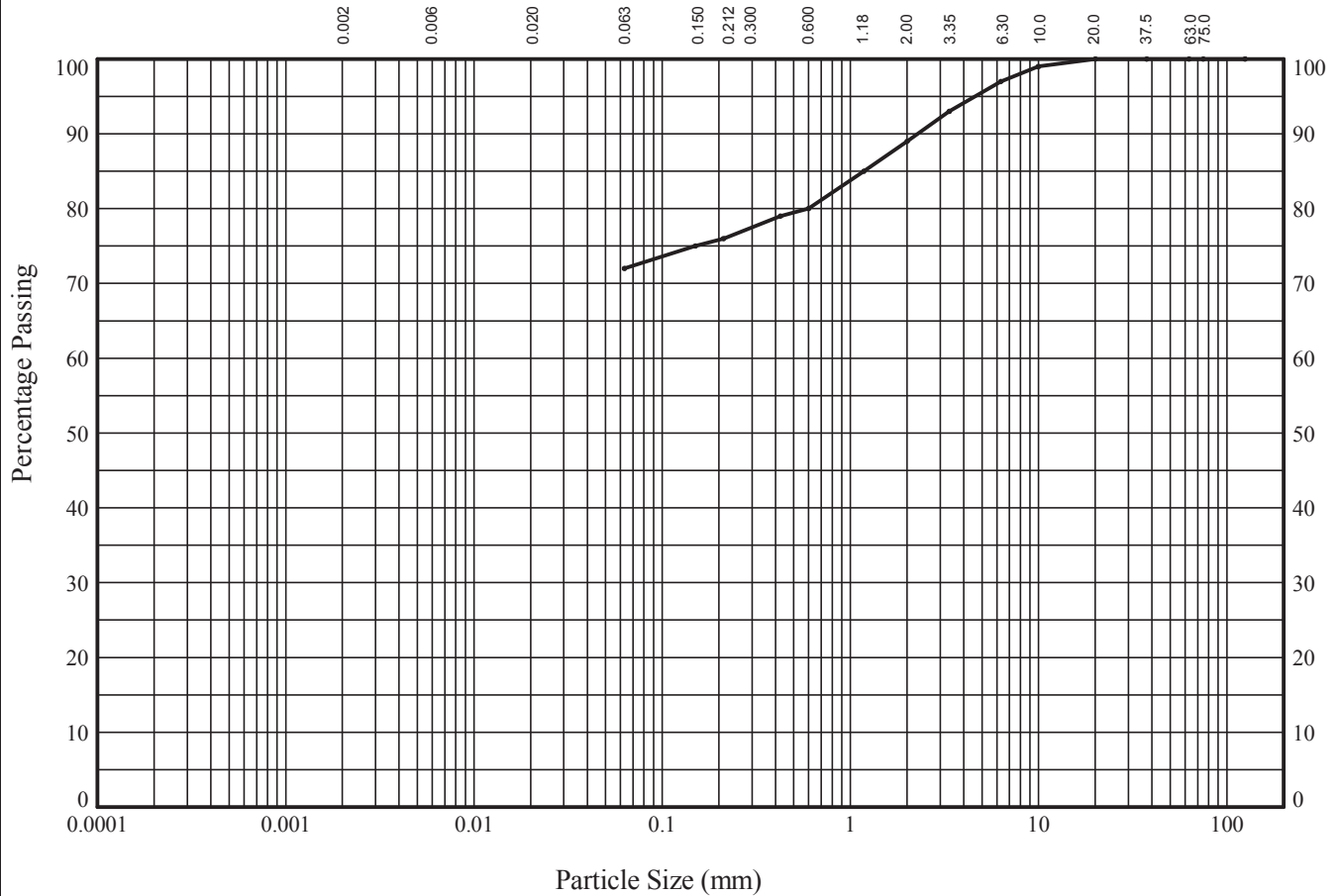
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC7**

Sample Ref: **3**

Sample Type: **B**

Depth (m): **1.00**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	99
6.30	97
3.35	93
2.00	89
1.18	85
0.600	80
0.425	79
0.212	76
0.150	75
0.063	72

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	11
SAND	17
SILT/CLAY	72

Soil Description:

Reddish brown slightly gravelly slightly sandy silty CLAY

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PARTICLE SIZE DISTRIBUTION TEST

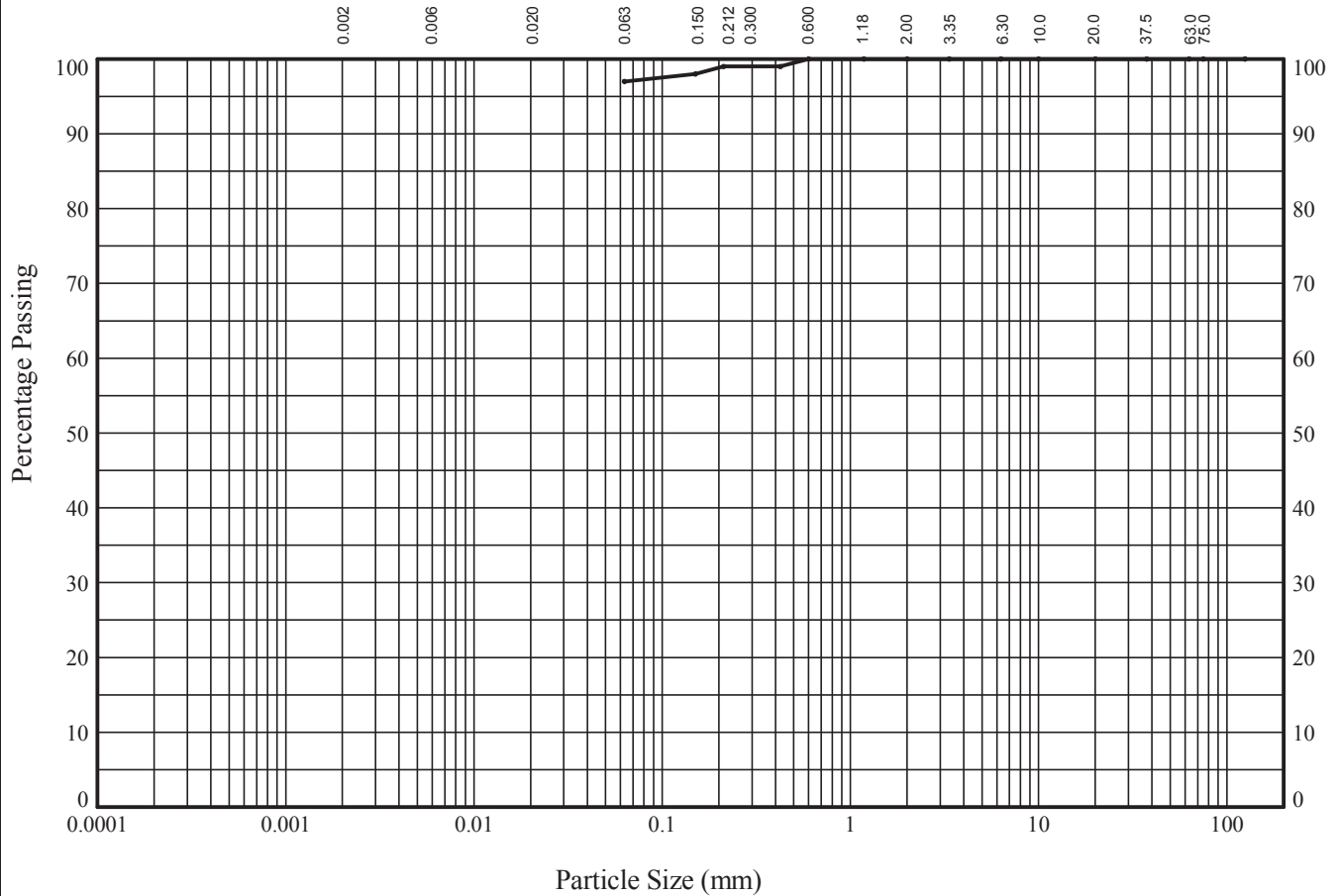
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC8A**

Sample Ref: **4**

Sample Type: **B**

Depth (m): **1.20**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	100
0.425	99
0.212	99
0.150	98
0.063	97

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	3
SILT/CLAY	97

Soil Description:

Dark reddish brown slightly sandy silty CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



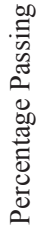
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Bristol
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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

0.50

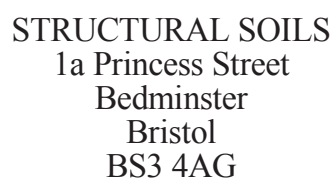
CLAY

BS Test Sieve (mm)	Weight Retained (g)	Weight of Sample (g)	Percentage Retained (%)
75	10	100	10
150	20	100	20
300	50	100	50
475	80	100	80
750	90	100	90
1060	95	100	95
1500	98	100	98
2000	99	100	99
2500	100	100	100

Particle
DiameterSoil
Fraction

Dark brown slightly gravelly slightly sandy CLAY

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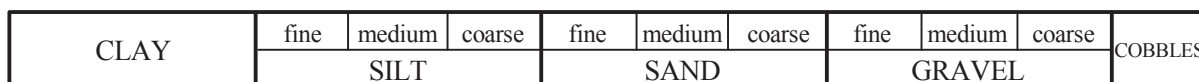
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In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **1.50**

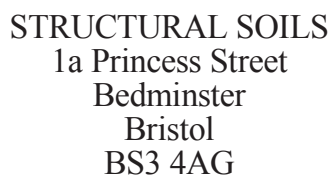


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	7
SAND	23
SILT/CLAY	70

Reddish brown slightly gravelly slightly sandy CLAY

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Date _____

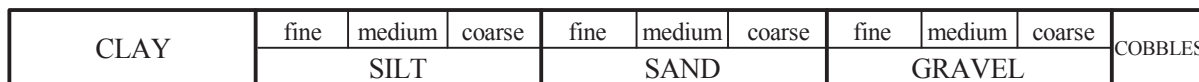
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

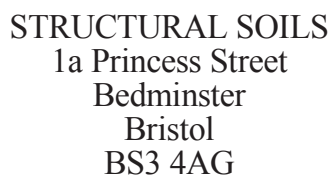
Depth (m): **0.65**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	7
SILT/CLAY	92

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the particle size distribution for a sample that is 100% passing. The x-axis represents Particle Size (mm) on a logarithmic scale, and the y-axis represents Percentage Passing on a linear scale. The data points are as follows:



Particle Size (mm)	Percentage Passing (%)
0.075	100
0.150	100
0.300	100
0.600	100
1.18	100
2.00	100
3.35	100
6.30	100
10.0	100
20.0	100
37.5	100
63.0	100
75.0	100

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	100
3.35	100
2.00	100
1.18	100
0.600	99
0.425	99
0.212	98
0.150	97
0.063	96

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	4
SILT/CLAY	96

Reddish brown slightly sandy CLAY

Compiled By		Date
	ALAN FROST	15/08/13
Contract Hinkley to Seabank 400kV Connection		Contract Ref: 727635 

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the cumulative distribution of particle sizes for a 100g sample of dry sand. The x-axis represents particle size in millimeters on a logarithmic scale, with major ticks at 0.0001, 0.001, 0.01, 0.1, 1, 10, and 100. The y-axis represents the percentage of particles passing through the sieve, ranging from 0 to 100 in increments of 10. The curve starts at approximately 46% passing for a 0.075mm sieve and reaches 100% passing at a 75.0mm sieve.

Particle Size (mm)	Percentage Passing (%)
0.075	46
0.150	51
0.300	65
0.600	75
1.18	76
2.00	78
3.35	79
6.30	80
10.0	80
20.0	83
37.5	88
63.0	91
75.0	100

CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	91
37.5	87
20.0	83
10.0	80
6.30	80
3.35	79
2.00	78
1.18	76
0.600	74
0.425	72
0.212	57
0.150	51
0.063	46

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
COBBLES	9
GRAVEL	13
SAND	32
SILT/CLAY	46

Brown slightly gravelly slightly sandy CLAY with low cobble content

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



AGS

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **1.40**

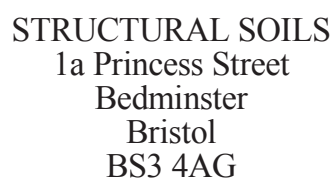
CLAY

BS Test Sieve (mm)

Particle
DiameterSoil
Fraction

Reddish brown slightly gravelly slightly sandy CLAY

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Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the cumulative distribution of particle sizes. The x-axis represents particle size in millimeters on a logarithmic scale, with major ticks at 0.0001, 0.001, 0.01, 0.1, 1, 10, and 100. The y-axis represents the percentage of particles passing through the sieve, ranging from 0 to 100 in increments of 10. A smooth curve is plotted, starting at approximately 71% passing for a 0.075 mm sieve and reaching 100% passing for a 75.0 mm sieve.


Particle Size (mm)	Percentage Passing (%)
0.075	71
0.150	78
0.300	88
0.600	94
1.18	96
2.00	98
3.35	99
6.30	100
10.0	100
20.0	100
37.5	100
63.0	100
75.0	100


BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	99
6.30	99
3.35	98
2.00	97
1.18	95
0.600	93
0.425	91
0.212	82
0.150	78
0.063	71

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	3
SAND	26
SILT/CLAY	71

Reddish brown slightly gravelly slightly sandy CLAY



Compiled By		Date
[REDACTED]		15/08/13
Contract Hinkley to Seabank 400kV Connection		Contract Ref: 727635 

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the particle size distribution for a sample that is 100% passing. The x-axis represents Particle Size (mm) on a logarithmic scale, and the y-axis represents Percentage Passing on a linear scale. The curve shows that the sample is composed of particles that are predominantly smaller than 0.300 mm, with a sharp increase in the percentage of material passing through the sieve between 0.063 mm and 0.300 mm.


Particle Size (mm)	Percentage Passing (%)
0.063	77
0.150	80
0.212	82
0.300	85
0.600	90
1.18	92
2.00	95
3.35	98
6.30	100
10.0	100
20.0	100
37.5	100
63.0	100
75.0	100


BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	99
3.35	97
2.00	94
1.18	92
0.600	89
0.425	87
0.212	82
0.150	80
0.063	77

Particle Diameter	Percentage Passing

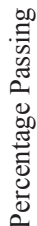
Soil Fraction	Sieve Percentage
GRAVEL	6
SAND	17
SILT/CLAY	77

Reddish brown slightly gravelly slightly sandy CLAY



		Compiled By	Date
		ALAN FROST	15/08/13
Contract Hinkley to Seabank 400kV Connection		Contract Ref: 727635	

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

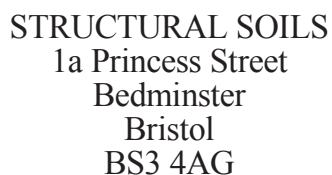
Depth (m): **0.20**CLAY

BS Test Sieve (mm)

Particle
DiameterSoil
Fraction

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

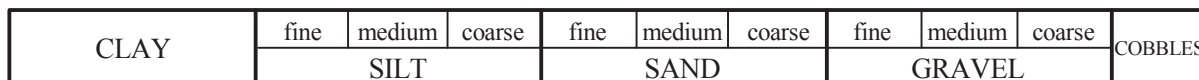
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

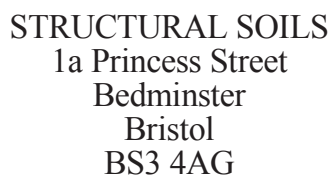
Depth (m): **0.60**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	6
SAND	35
SILT/CLAY	59

Reddish brown slightly gravelly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

The graph displays the particle size distribution for a sample that is 100% passing. The x-axis represents Particle Size (mm) on a logarithmic scale, and the y-axis represents Percentage Passing on a linear scale. The curve starts at approximately 67% passing for a particle size of 0.063 mm and rises to 100% passing at 20.0 mm.


Particle Size (mm)	Percentage Passing (%)
0.063	67
0.150	72
0.300	82
0.600	85
1.18	88
2.00	92
3.35	94
6.30	95
10.0	96
20.0	100


BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	96
6.30	95
3.35	94
2.00	92
1.18	88
0.600	84
0.425	82
0.212	75
0.150	72
0.063	67

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	8
SAND	25
SILT/CLAY	67

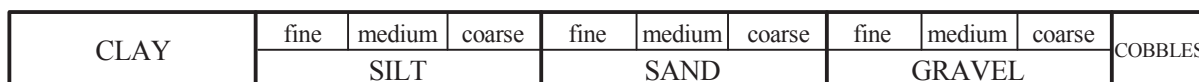
Brown slightly gravelly slightly sandy CLAY



Compiled By		Date
[REDACTED]		15/08/13
Contract Hinkley to Seabank 400kV Connection		Contract Ref: 727635 

In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): 1.30

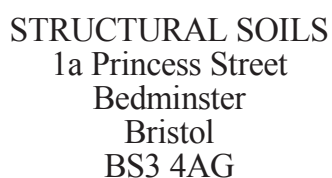


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	20
SAND	36
SILT/CLAY	44

Reddish brown slightly gravelly sandy CLAY

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Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



PARTICLE SIZE DISTRIBUTION TEST

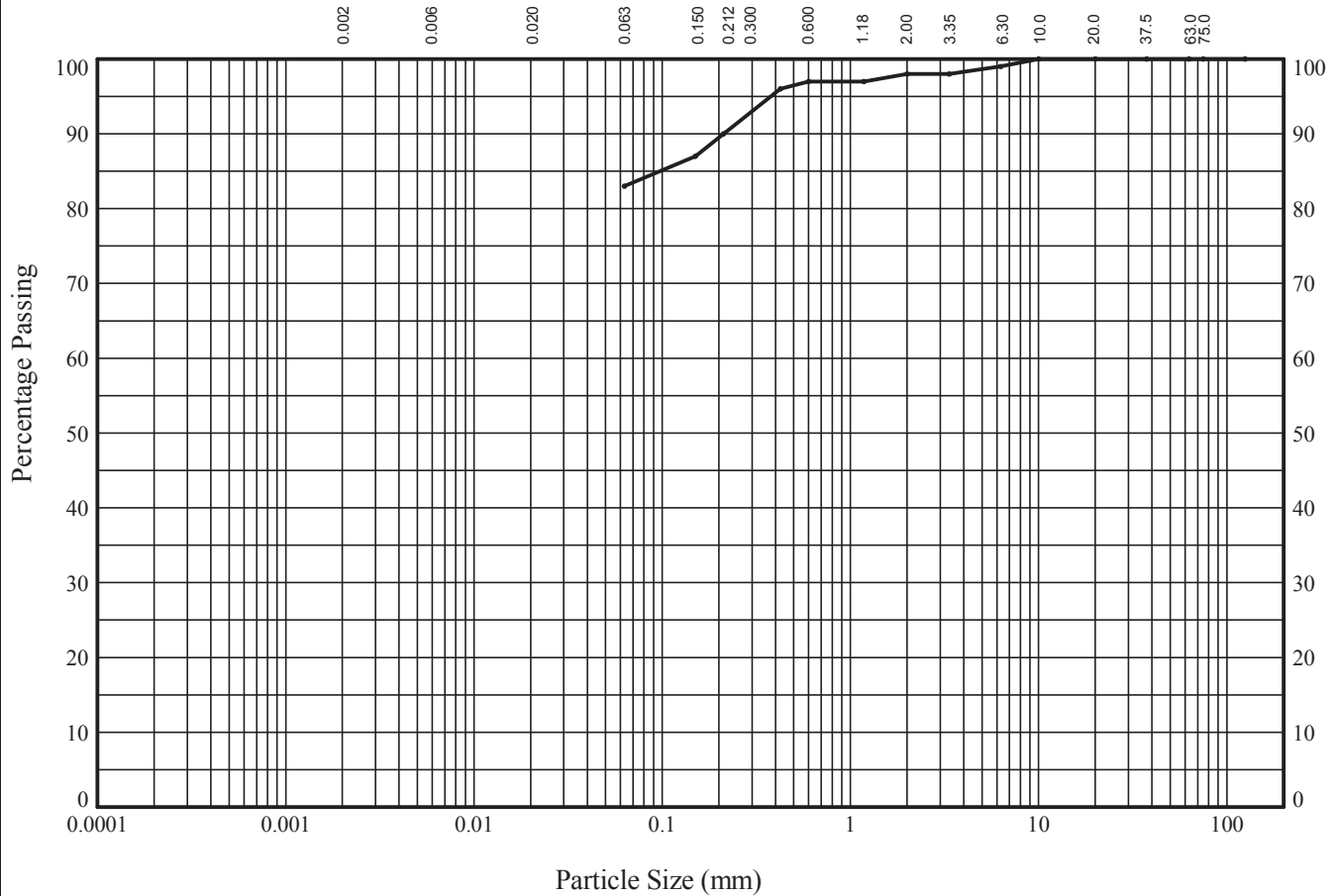
In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Borehole : **BHC12A**

Sample Ref: **5**

Sample Type: **B**

Depth (m): **0.30**



CLAY	fine	medium	coarse	fine	medium	coarse	fine	medium	coarse	COBBLES
	SILT			SAND			GRAVEL			

BS Test Sieve (mm)	Percentage Passing
125.0	100
75.0	100
63.0	100
37.5	100
20.0	100
10.0	100
6.30	99
3.35	98
2.00	98
1.18	97
0.600	97
0.425	96
0.212	90
0.150	87
0.063	83

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	2
SAND	15
SILT/CLAY	83

Soil Description:
Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



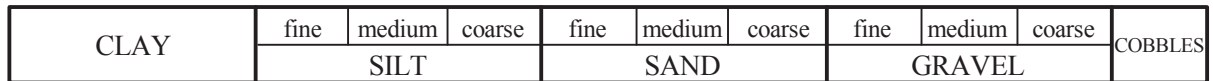
STRUCTURAL SOILS
 1a Princess Street
 Bedminster
 Bristol
 BS3 4AG

Compiled By		Date
[Redacted]		15/08/13
Contract		Contract Ref:
Hinkley to Seabank 400kV Connection		727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **1.65**



Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	16
SILT/CLAY	83

Reddish brown slightly gravelly slightly sandy CLAY



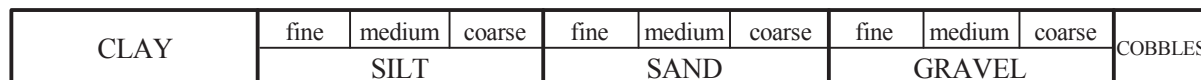
Date _____

15/08/13

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

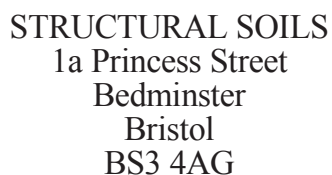
Depth (m): **0.40**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	12
SAND	17
SILT/CLAY	71

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

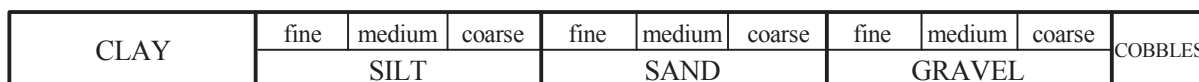
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

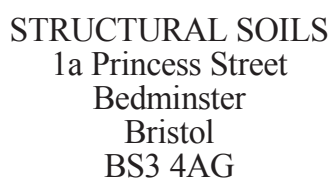
Depth (m): **2.00**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	2
SAND	5
SILT/CLAY	93

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

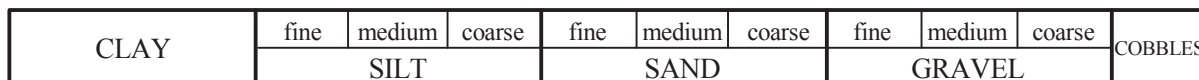
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

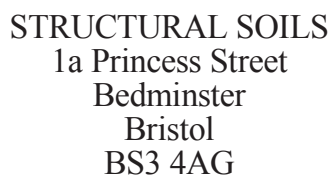
Depth (m): **0.60**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	18
SILT/CLAY	81

Dark grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

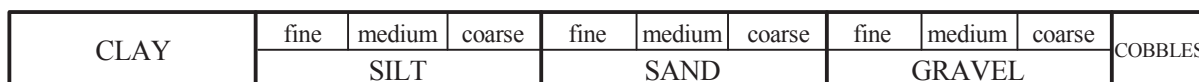
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

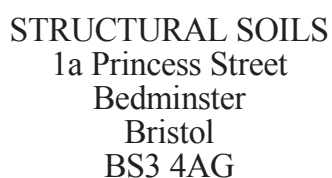
Depth (m): **0.15**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	26
SILT/CLAY	73

Dark reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

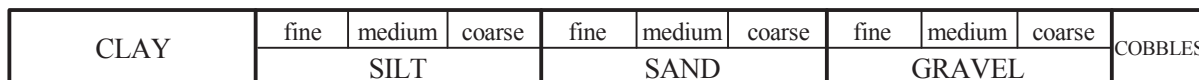
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

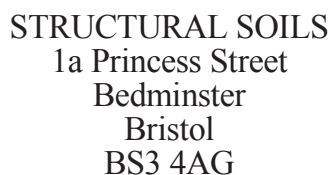
Depth (m): **0.50**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	7
SAND	5
SILT/CLAY	88

Reddish brown slightly sandy slightly gravelly CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

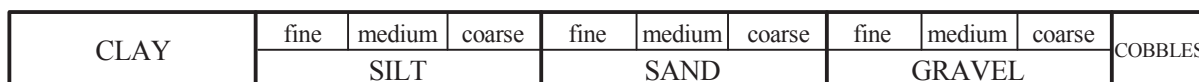
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

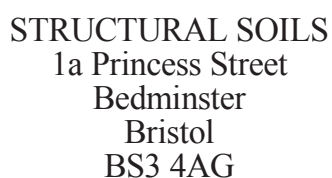
Depth (m): 1.20



Soil Fraction	Sieve Percentage
GRAVEL	1
SAND	2
SILT/CLAY	97

Reddish brown slightly gravelly slightly sandy silty CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

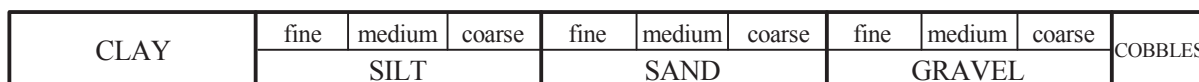
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

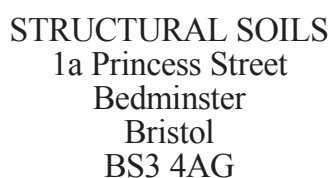
Depth (m): **0.50**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	16
SAND	36
SILT/CLAY	48

Reddish brown slightly gravelly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

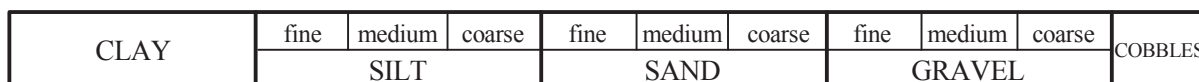
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): 1.00

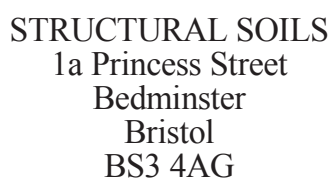


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	10
SAND	25
SILT/CLAY	65

**Reddish brown mottled grey slightly gravelly slightly sandy
CLAY**

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

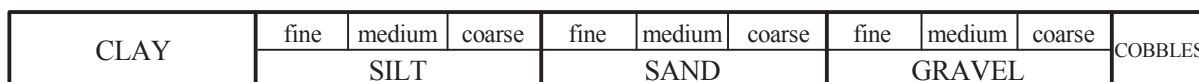
15/08/13

Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

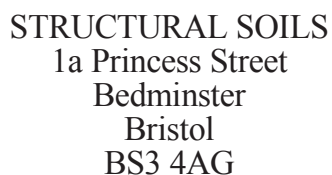
Depth (m): **2.00**

Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	2
SAND	14
SILT/CLAY	84

Brownish grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

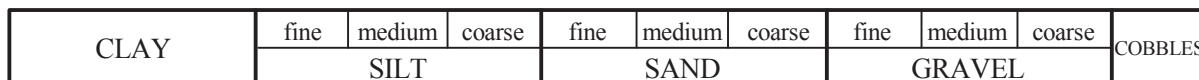
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): 16.00

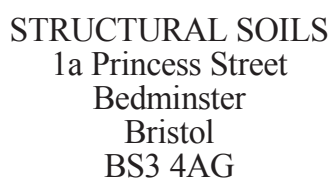


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	35
SILT/CLAY	65

Grey sandy SILT

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

22/08/13

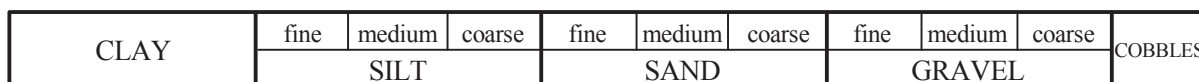
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **20.10**

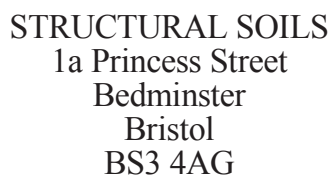


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	16
SAND	26
SILT/CLAY	58

Grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

22/08/13

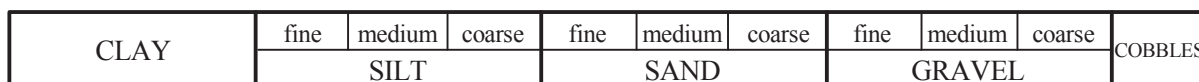
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **20.00**

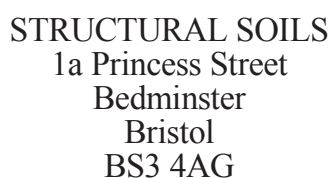


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	20
SILT/CLAY	80

Grey slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

22/08/13

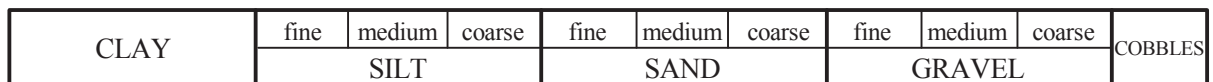
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **24.80**



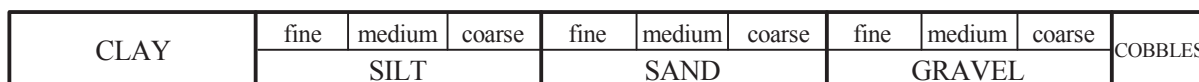
Soil Fraction	Sieve Percentage
GRAVEL	0
SAND	18
SILT/CLAY	82

Grey slightly sandy CLAY



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **26.00**

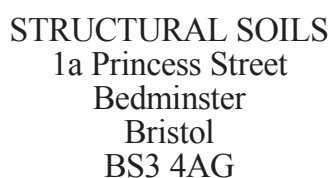


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	8
SAND	17
SILT/CLAY	75

Grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

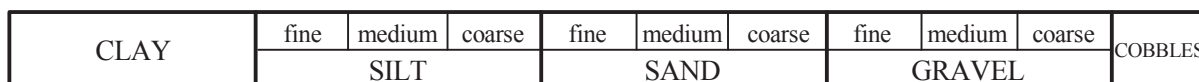
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **27.00**

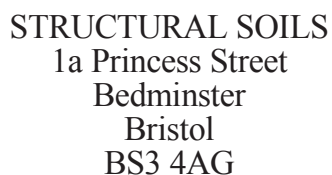


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	11
SAND	28
SILT/CLAY	61

Grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

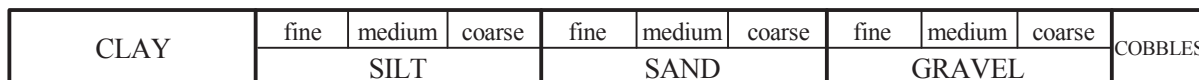
Hinkley to Seabank 400kV Connection

727635



In accordance with clauses 9.2,9.5 of BS1377:Part 2:1990

Depth (m): **18.60**

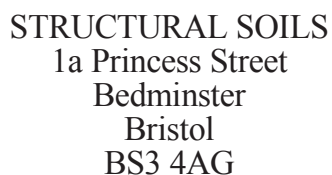


Particle Diameter	Percentage Passing

Soil Fraction	Sieve Percentage
GRAVEL	11
SAND	12
SILT/CLAY	77

Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



Date _____

15/08/13

Hinkley to Seabank 400kV Connection

727635



SUMMARY OF DENSITY TESTS
In accordance with clause 7.2 of BS1377:Part 2:1990

Table with 7 columns: Exploratory Position ID, Sample Ref, Depth (m), Sample Type, Moisture Content (%), Bulk Density (Mg/m³), Dry Density (Mg/m³). Rows include samples BHC1A through BHC12D with their respective test results.


Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

Form containing company details for STRUCTURAL SOILS, signature lines for Compiled By and Contract Ref, and project information for Hinkley to Seabank 400kV Connection.

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHBWT1	28	B	15.00	23			39	21	18	87	Brown very silty/clayey very gravelly SAND
BHC1A	2	D	0.60	27	2.01	1.62	52	26	26	100	Dark brown slightly gravelly slightly sandy CLAY
BHC1A	13	B	4.50	61			53	27	26	100	Dark grey slightly sandy CLAY
BHC1A	23	B	10.00	61			NP	NP	NP	100	Grey very silty/clayey SAND
BHC1A	26	B	11.60	45			56	26	30	72	Dark grey slightly gravelly very silty/clayey SAND
BHC1A	28	B	13.00	30			NP	NP	NP	100	Dark grey silty/clayey SAND
BHC1A	32	B	15.50	46			45	23	22	100	Grey slightly gravelly slightly sandy CLAY
BHC1A	35	B	17.50	18			29	18	11	79	Reddish brown slightly sandy slightly gravelly silty CLAY




STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:


727635



SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC1A	37	B	19.00	22			29	18	11	68	Reddish brown slightly sandy slightly gravelly silty CLAY
BHC1B	3	U	1.30	27	2.01	1.59	37	22	15	100	Brown slightly sandy CLAY
BHC1B	37	B	17.50	25			27	18	9	97	Reddish brown slightly gravelly sandy CLAY
BHC1B	40	B	19.00	21			28	20	8	71	Reddish brown mottled greenish grey slightly sandy slightly gravelly silty CLAY
BHC1B	43	B	20.50	21			28	20	8	43	Reddish brown slightly sandy gravelly silty CLAY
BHC1C	2	U	1.42	25			36	20	16	100	Brown slightly sandy CLAY
BHC2A	3	D	1.20	41			54	25	29	100	Light greyish brown slightly sandy CLAY
BHC2B	2	U	1.20	32	1.92	1.46					Brown slightly sandy CLAY




**STRUCTURAL
SOILS LTD**

Contract:

Hinkley to Seabank 400kV Connection


Contract Ref:

727635


SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC2B	3	D	1.65	37			54	22	32	100	Brown slightly sandy CLAY
BHC2C	3	D	1.20	27			49	22	27	100	Dark grey slightly sandy CLAY
BHC2D	2	U	1.20	27	1.99	1.53	46	27	19	100	Brown slightly sandy silty CLAY
BHC3A	3	U	1.26	40			62	27	35	100	Dark grey CLAY
BHC3B	3	B	0.80	90	1.35	0.69	118	59	59	100	Dark brown slightly gravelly slightly sandy organic SILT with occasional pockets of peat
BHC3C	3	B	0.80	17	2.02	1.70	33	18	15	64	Grey mottled reddish brown slightly gravelly slightly sandy CLAY
BHC3D	2	B	0.80	33	1.90	1.47	45	28	17	65	Reddish brown slightly sandy slightly gravelly SILT
BHC4	2	B	0.70	23	1.85	1.49	36	19	17	100	Brown slightly gravelly slightly sandy CLAY




STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

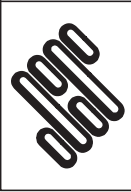
727635



SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC5	2	B	0.60	30			60	25	35	90	Reddish brown slightly gravelly slightly sandy CLAY
BHC5	4	D	1.20	26			47	29	18	100	Reddish brown mottled grey slightly gravelly slightly sandy SILT
BHC5	6	D	2.00	33			54	34	20	100	Reddish brown slightly gravelly slightly sandy SILT
BHC6	2	B	0.20	14			20	13	7	96	Reddish brown slightly gravelly sandy CLAY
BHC6	4	B	1.50	17			40	19	21	88	Reddish brown slightly gravelly slightly sandy CLAY
BHC7	3	B	1.00	27			43	26	17	70	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC8A	2	B	0.60	19			38	15	23	83	Reddish brown slightly gravelly slightly sandy CLAY with high cobble content
BHC8A	4	B	1.20	32	1.89	1.42	66	32	34	100	Dark reddish brown slightly sandy silty CLAY




**STRUCTURAL
SOILS LTD**

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

727635


SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC8B	2	B	0.50	19	2.01	1.67	32	16	16	78	Dark brown slightly gravelly slightly sandy CLAY
BHC8B	4	B	1.50	23			34	17	17	61	Reddish brown slightly gravelly slightly sandy CLAY
BHC8C	2	B	0.65	41	1.74	1.21	67	31	36	98	Reddish brown slightly gravelly slightly sandy CLAY
BHC8C	5	B	1.20	34			46	25	21	77	Reddish brown slightly sandy CLAY
BHC8D	2	B	0.50	16			30	13	17	80	Brown slightly gravelly slightly sandy CLAY with low cobble content
BHC8D	4	B	1.40	27			44	24	20	57	Reddish brown slightly gravelly slightly sandy CLAY
BHC9A	2	B	0.50	24	1.94	1.60	43	21	22	96	Reddish brown slightly gravelly slightly sandy CLAY
BHC9A	5	D	1.60	27	1.90	1.45	51	25	26	96	Reddish brown slightly gravelly slightly sandy CLAY



STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

727635



SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC9B	1	B	0.20	20			42	18	24	72	Reddish brown slightly gravelly slightly sandy CLAY
BHC9C	2	B	0.60	11			32	17	15	85	Reddish brown slightly gravelly sandy CLAY
BHC9D	3	B	1.70	30			44	23	21	81	Brown slightly gravelly slightly sandy CLAY
BHC10	1	B	0.10	22			42	22	20	90	Brown slightly gravelly sandy CLAY
BHC10	3	B	1.30	25			33	15	18	77	Reddish brown slightly gravelly sandy CLAY
BHC12A	5	B	0.30	30			39	19	20	94	Reddish brown slightly gravelly slightly sandy CLAY
BHC12A	4	D	1.65	24			38	18	20	100	Reddish brown slightly gravelly slightly sandy CLAY
BHC12B	2	B	0.40	29			48	22	26	81	Reddish brown slightly gravelly slightly sandy CLAY



STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

727635



SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC12B	6	D	2.00	24			33	20	13	93	Reddish brown slightly gravelly slightly sandy CLAY
BHC12C	3	B	0.60	50			66	30	36	100	Dark grey slightly gravelly slightly sandy CLAY
BHC12D	2	B	0.15	21	1.97	1.60	35	19	16	100	Dark reddish brown slightly gravelly slightly sandy CLAY
BHC13	2	B	0.50	22			41	22	19	96	Reddish brown slightly sandy slightly gravelly CLAY
BHC13	4	D	1.20	27			41	25	16	88	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC14	2	B	0.50	20			50	21	29	81	Reddish brown slightly gravelly sandy CLAY
BHC14	3	B	1.00	26			52	27	25	100	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC14	6	U	2.03	21			36	22	14	100	Brownish grey slightly gravelly slightly sandy CLAY



STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

727635



SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Bulk Density Mg/m ³	Dry Density Mg/m ³	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BHC-LD1	29	D	16.00	31			33	24	9	100	Grey sandy SILT
BHC-LD1	35	B	20.10	43			37	23	14	87	Grey slightly gravelly slightly sandy CLAY
BHC-LD1	39	B	21.50	31			31	18	13	91	Grey slightly sandy slightly gravelly CLAY
BHC-LD23	37	D	20.00	37			39	21	18	100	Grey slightly sandy CLAY
BHC-LD23	45	D	24.80	27			39	19	20	98	Grey slightly sandy CLAY
BHC-LD23	47	D	26.00	23			37	21	16	100	Grey slightly gravelly slightly sandy CLAY
BHC-LD23	49	B	27.00	13			36	20	16	100	Grey slightly gravelly slightly sandy CLAY
BHVQ43R	33	B	18.60	18			36	20	16	100	Reddish brown slightly gravelly slightly sandy CLAY



STRUCTURAL
SOILS LTD

Contract:

Hinkley to Seabank 400kV Connection

Contract Ref:

727635






SUMMARY OF CHEMICAL ANALYSES

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Acid Soluble Sulphate (% SO ₄)	Aqueous Extract Sulphate (mg/l SO ₄)	pH	Total Sulphur (%)	Description
BHBWT1	1	B	0.10	0.06	<10	8.08	0.03	Brown slightly sandy slightly gravelly CLAY
BHBWT1	2	B	1.00	0.06	25	8.68	0.03	Brown mottled grey CLAY
BHBWT1	4	B	1.20	0.07	15	8.61	0.03	Brown slightly sandy CLAY
BHC1A	3	D	1.00	0.02	13	9.06	<0.01	Grey mottled brown CLAY
BHC1B	1	D	0.60	<0.02	<10	8.74	0.01	Grey mottled brown CLAY
BHC1C	2	U	1.30	0.05	<10	9.13	0.02	Brown slightly sandy CLAY
BHC2A	3	D	1.20	0.04	53	9.03	0.03	Light greyish brown slightly sandy CLAY
BHC2B	2	U	1.20	0.07	102	8.63	0.05	Brown slightly sandy CLAY

NOTES:- All chemical tests were undertaken by Envirolab.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK




 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	Contract: 		ALAN FROST	
	Hinkley to Seabank 400kV Connection		03.09.13	

SUMMARY OF CHEMICAL ANALYSES

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Acid Soluble Sulphate (% SO ₄)	Aqueous Extract Sulphate (mg/l SO ₄)	pH	Total Sulphur (%)	Description
BHC2C	3	D	1.20	0.02	38	8.66	0.02	Dark grey slightly sandy CLAY
BHC2D	2	U	1.20	0.03	<10	8.32	0.02	Brown slightly sandy silty CLAY
BHC4	2	B	0.70	0.03	<10	8.78	0.01	Brown slightly gravelly slightly sandy CLAY
BHC4	4	B	1.60	0.04	<10	9.00	0.02	Reddish brown slightly gravelly slightly sandy CLAY
BHC5	2	B	0.60	<0.02	12	7.71	0.01	Reddish brown slightly gravelly slightly sandy CLAY
BHC5	4	D	1.20	0.03	<10	8.94	0.02	Reddish brown mottled grey slightly gravelly slightly sandy SILT
BHC6	2	B	0.20	<0.02	<10	7.97	<0.01	Reddish brown slightly gravelly sandy CLAY
BHC6	4	B	1.50	<0.02	16	8.43	0.02	Reddish brown slightly gravelly slightly sandy CLAY

NOTES:- All chemical tests were undertaken by Envirolab.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK




 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	Contract: 		ALAN FROST	
	Hinkley to Seabank 400kV Connection		03.09.13	

SUMMARY OF CHEMICAL ANALYSES

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Acid Soluble Sulphate (% SO ₄)	Aqueous Extract Sulphate (mg/l SO ₄)	pH	Total Sulphur (%)	Description
BHC7	3	B	1.00	0.06	28	8.78	0.03	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC7	5	D	2.00	0.07	25	8.80	0.04	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC10	1	B	0.10	0.06	17	6.88	0.04	Brown slightly gravelly sandy CLAY
BHC10	3	B	1.30	0.05	10	8.74	0.03	Reddish brown slightly gravelly sandy CLAY
BHC10	5	D	2.50	0.06	<10	8.96	0.03	Reddish brown slightly gravelly sandy CLAY
BHC11	2	B	0.45	0.04	<10	8.43	0.01	Reddish brown mottled grey SANDSTONE
BHC13	2	B	0.50	0.04	15	8.75	0.02	Reddish brown slightly sandy slightly gravelly CLAY
BHC13	4	D	1.20	0.03	<10	8.95	0.01	Reddish brown slightly gravelly slightly sandy silty CLAY

NOTES:- All chemical tests were undertaken by Envirolab.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK




 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	Contract: 		ALAN FROST	
	Hinkley to Seabank 400kV Connection		03.09.13	

SUMMARY OF CHEMICAL ANALYSES

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Acid Soluble Sulphate (% SO ₄)	Aqueous Extract Sulphate (mg/l SO ₄)	pH	Total Sulphur (%)	Description
BHC14	2	B	0.50	<0.02	<10	8.26	<0.01	Reddish brown slightly gravelly sandy CLAY
BHC14	8	D	2.00	<0.02	<10	8.57	<0.01	Brownish grey slightly gravelly slightly sandy CLAY
BHC-LD1	2	B	0.70	0.04	<10	8.20	0.02	Brown gravelly CLAY
BHC-LD1	4	D	1.20	0.07	15	8.53	0.03	Brown CLAY
BHC-LD1	6	D	2.00	0.15	297	8.17	0.28	Grey CLAY
BHC-LD23	2	B	0.40	0.04	30	8.10	0.03	Dark grey slightly sandy CLAY
BHC-LD23	3	B	1.00	0.04	36	8.32	0.03	Grey slightly sandy CLAY
BHC-LD23	5	B	1.20	0.09	92	8.48	0.08	Grey CLAY

NOTES:- All chemical tests were undertaken by Envirolab.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
			ALAN FROST	
	Contract: Hinkley to Seabank 400kV Connection		03.09.13	

SUMMARY OF CHEMICAL ANALYSES

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Acid Soluble Sulphate (% SO ₄)	Aqueous Extract Sulphate (mg/l SO ₄)	pH	Total Sulphur (%)	Description
BHC-LD39	2	B	0.50	<0.02	11	8.02	<0.01	Brown clayey very gravelly SAND
BHC-LD39	4	D	1.20	<0.02	13	8.72	<0.01	Reddish brown mottled grey slightly sandy CLAY
BHC-LD39	7	D	2.00	0.04	36	8.69	0.02	Reddish brown slightly sandy CLAY
BHVQ43R	2	B	0.50	0.07	11	8.38	0.04	Brown slightly sandy CLAY
BHVQ43R	3	B	1.00	0.06	13	8.66	0.03	Brown slightly sandy CLAY
BHVQ43R	5	B	1.20	0.10	72	8.48	0.18	Brown slightly sandy CLAY

NOTES:- All chemical tests were undertaken by Envirolab.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

		Compiled By	Date
		ALAN FROST	03.09.13
Contract: Hinkley to Seabank 400kV Connection			

Contract Ref:

727635



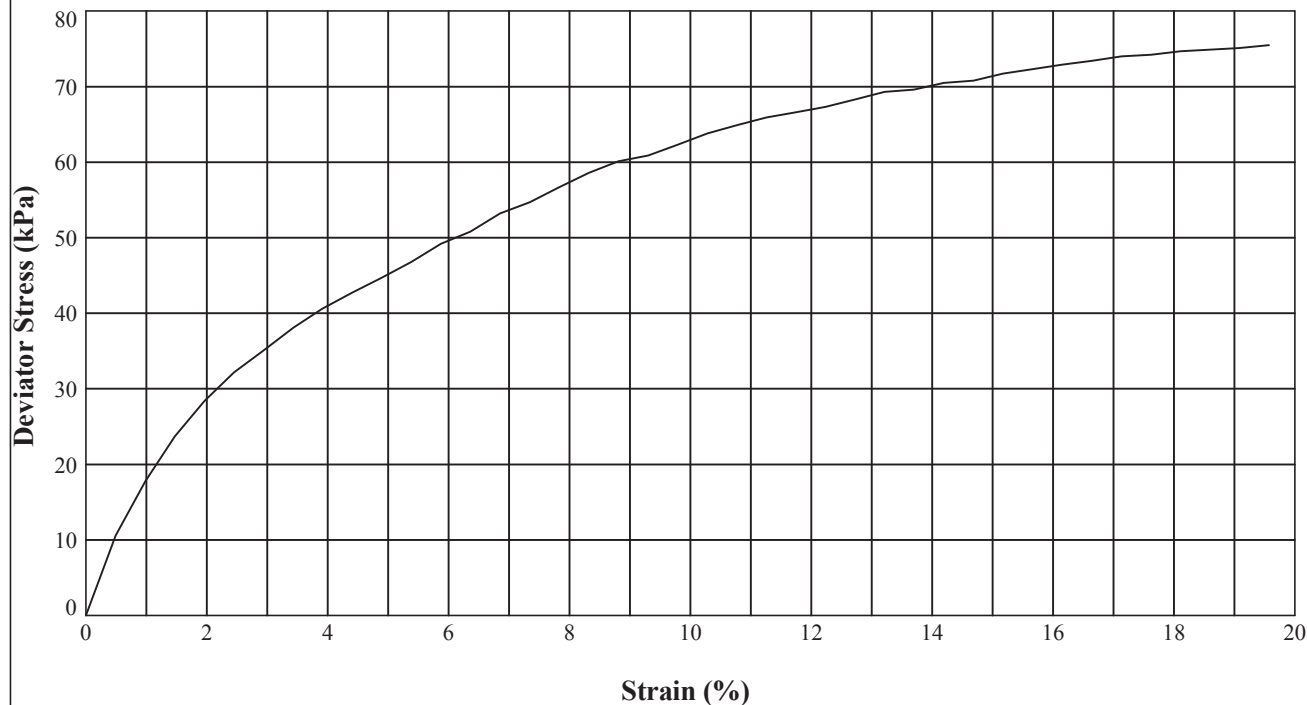
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC1A** Sample Ref: **4** Sample Type: **U** Depth (m): **1.39**

Description : **Grey mottled brown CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	103.36		
	Height (mm)	204.35		
	Moisture Content (%)	25		
	Bulk Density (Mg/m ³)	2.01		
	Dry Density (Mg/m ³)	1.61		
TEST DETAILS	Membrane Thickness (mm)	0.51		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	20		
	Membrane Correction (kPa)	1.85		
	Corrected Deviator Stress (kPa)	76		
	Undrained Shear Strength (kPa)	38		
	Strain at Failure (%)	19.6		
	Mode of Failure	Compound		



Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date
[Redacted]		15/08/13
Contract	Contract Ref:	
Hinkley to Seabank 400kV Connection	727635	



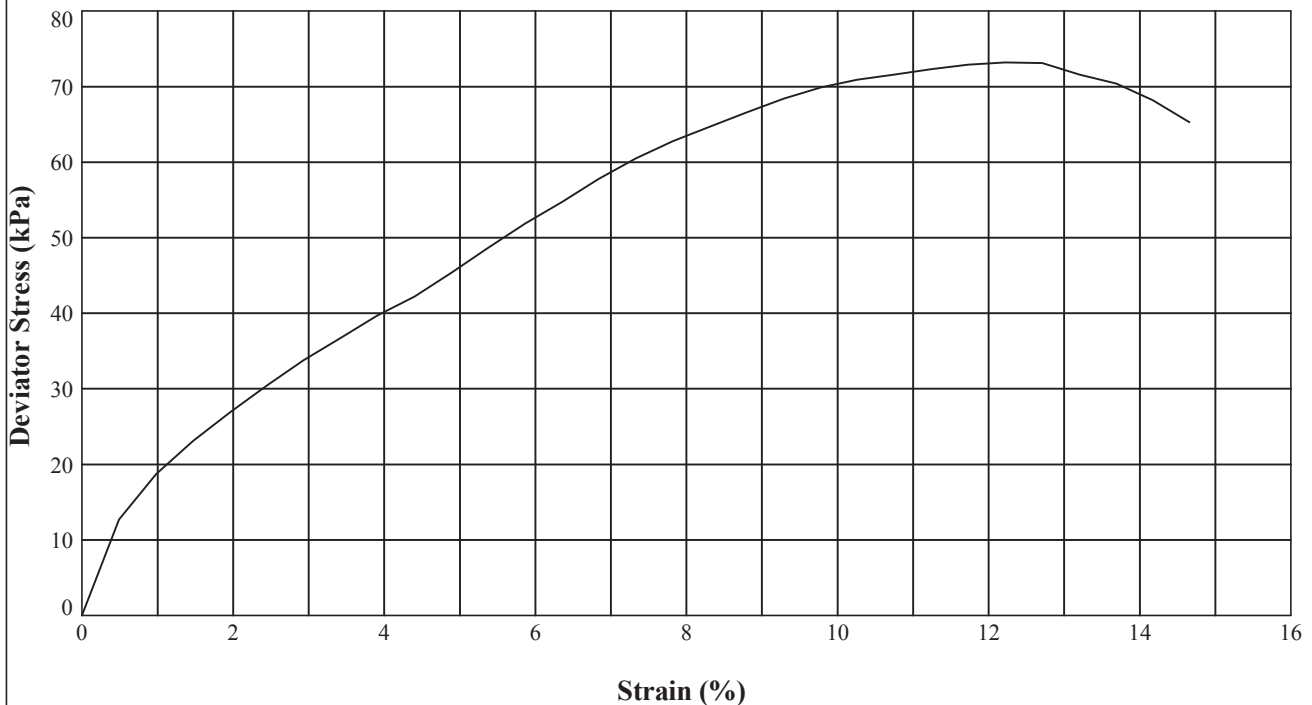
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

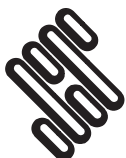
Borehole : **BHC1C** Sample Ref: **2** Sample Type: **U** Depth (m): **1.32**

Description : **Brown mottled grey slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	102.92		
	Height (mm)	204.60		
	Moisture Content (%)	27		
	Bulk Density (Mg/m ³)	2.01		
	Dry Density (Mg/m ³)	1.58		
TEST DETAILS	Membrane Thickness (mm)	0.55		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	20		
	Membrane Correction (kPa)	1.41		
	Corrected Deviator Stress (kPa)	73		
	Undrained Shear Strength (kPa)	37		
	Strain at Failure (%)	12.2		
	Mode of Failure	Compound		



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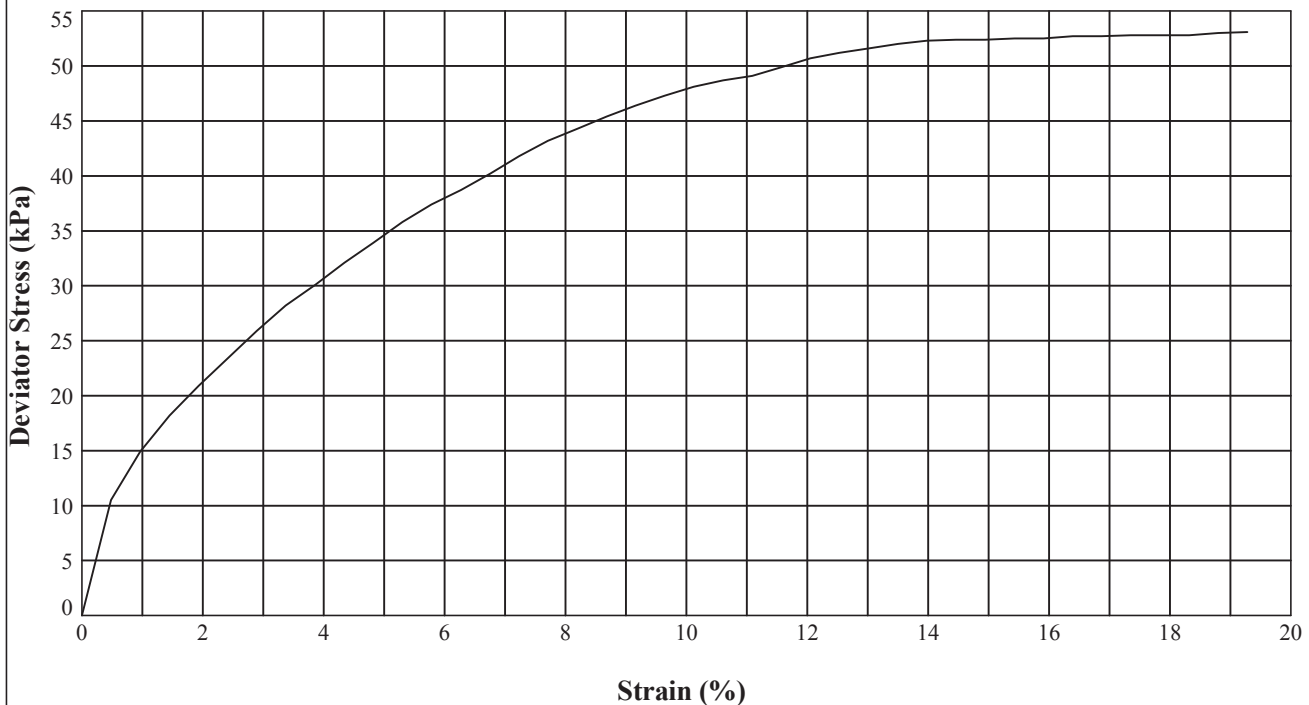
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC2C** Sample Ref: **4** Sample Type: **U** Depth (m): **2.06**

Description : **Grey mottled brown CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	102.88		
	Height (mm)	207.44		
	Moisture Content (%)	31		
	Bulk Density (Mg/m ³)	1.95		
	Dry Density (Mg/m ³)	1.49		
TEST DETAILS	Membrane Thickness (mm)	0.63		
	Rate of Axial Displacement (%/min)	1.21		
	Cell Pressure (kPa)	36		
	Membrane Correction (kPa)	2.27		
	Corrected Deviator Stress (kPa)	53		
	Undrained Shear Strength (kPa)	27		
	Strain at Failure (%)	19.3		
	Mode of Failure	Compound		



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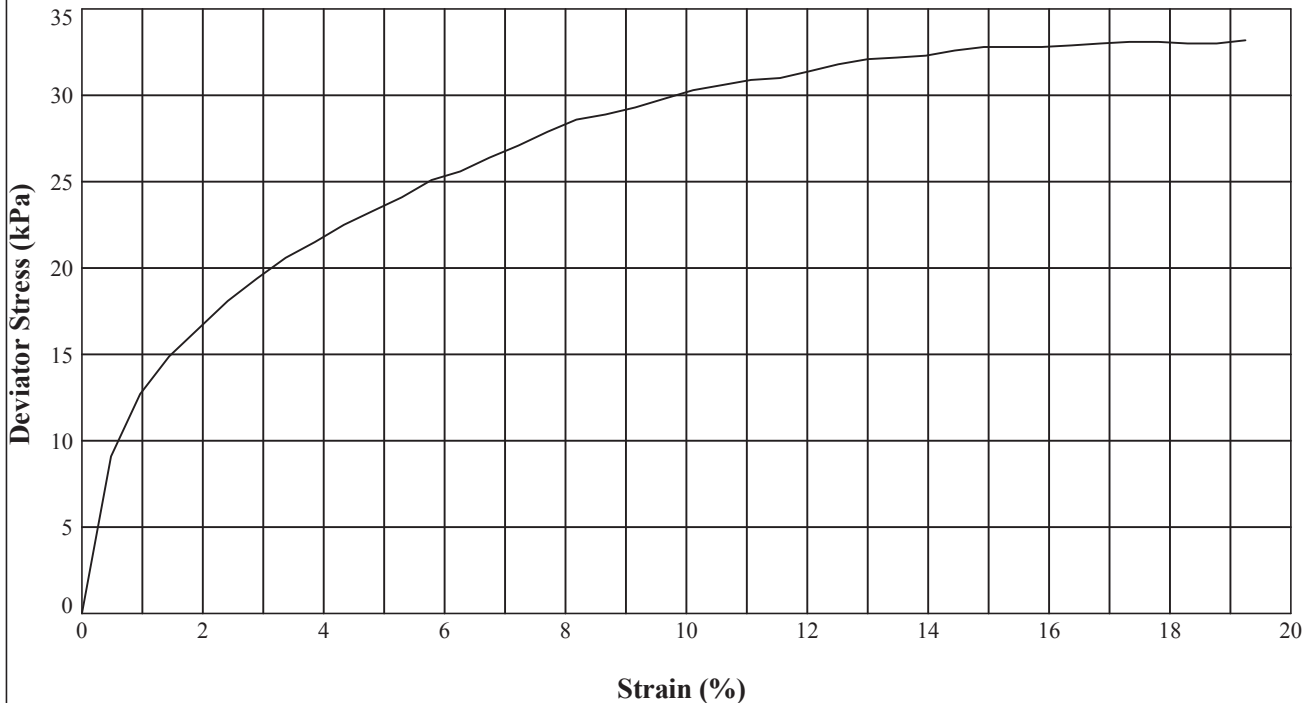
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC3A** Sample Ref: **3** Sample Type: **U** Depth (m): **1.26**

Description : **Dark grey CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	103.33		
	Height (mm)	207.76		
	Moisture Content (%)	45		
	Bulk Density (Mg/m ³)	1.81		
	Dry Density (Mg/m ³)	1.25		
TEST DETAILS	Membrane Thickness (mm)	0.62		
	Rate of Axial Displacement (%/min)	1.20		
	Cell Pressure (kPa)	20		
	Membrane Correction (kPa)	2.22		
	Corrected Deviator Stress (kPa)	33		
	Undrained Shear Strength (kPa)	17		
	Strain at Failure (%)	19.2		
	Mode of Failure	Compound		



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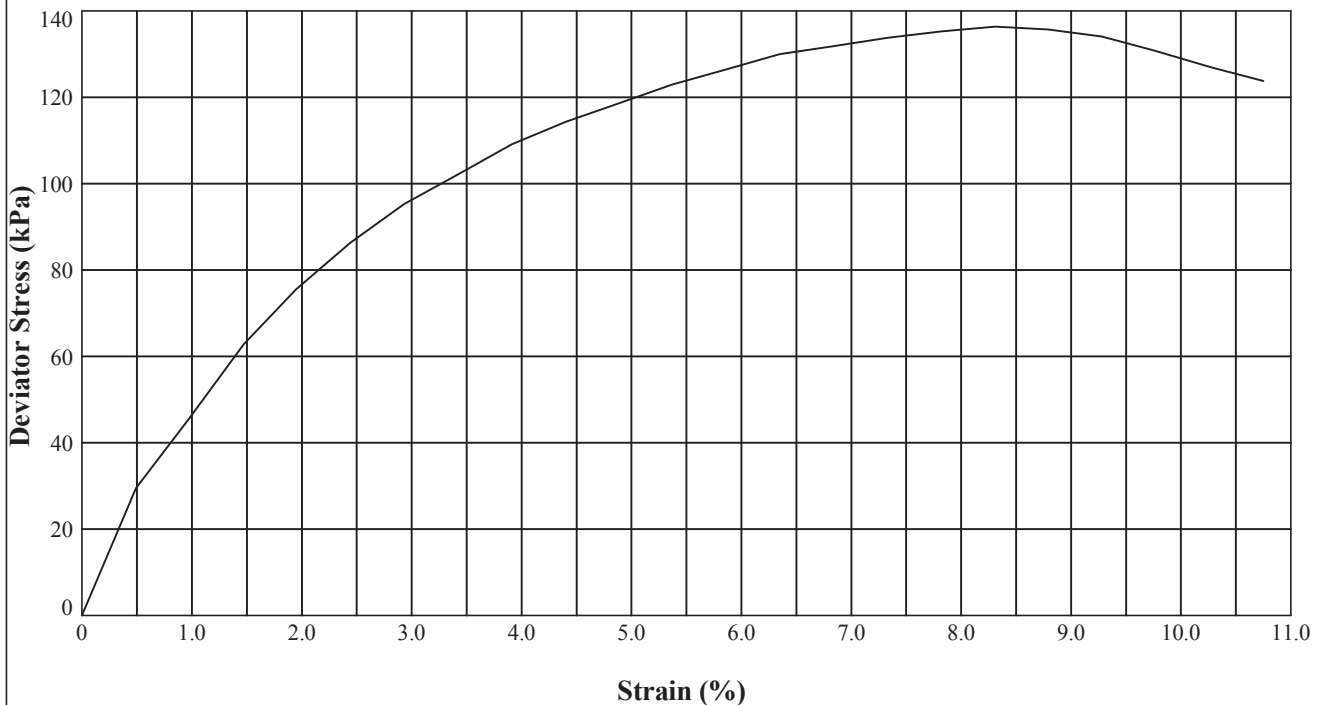
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC10** Sample Ref: **6** Sample Type: **U** Depth (m): **3.01**

Description : **Reddish brown slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	103.85		
	Height (mm)	204.67		
	Moisture Content (%)	23		
	Bulk Density (Mg/m ³)	1.82		
	Dry Density (Mg/m ³)	1.48		
TEST DETAILS	Membrane Thickness (mm)	0.54		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	50		
	Membrane Correction (kPa)	1.03		
	Corrected Deviator Stress (kPa)	136		
	Undrained Shear Strength (kPa)	68		
	Strain at Failure (%)	8.3		
	Mode of Failure	Plastic		



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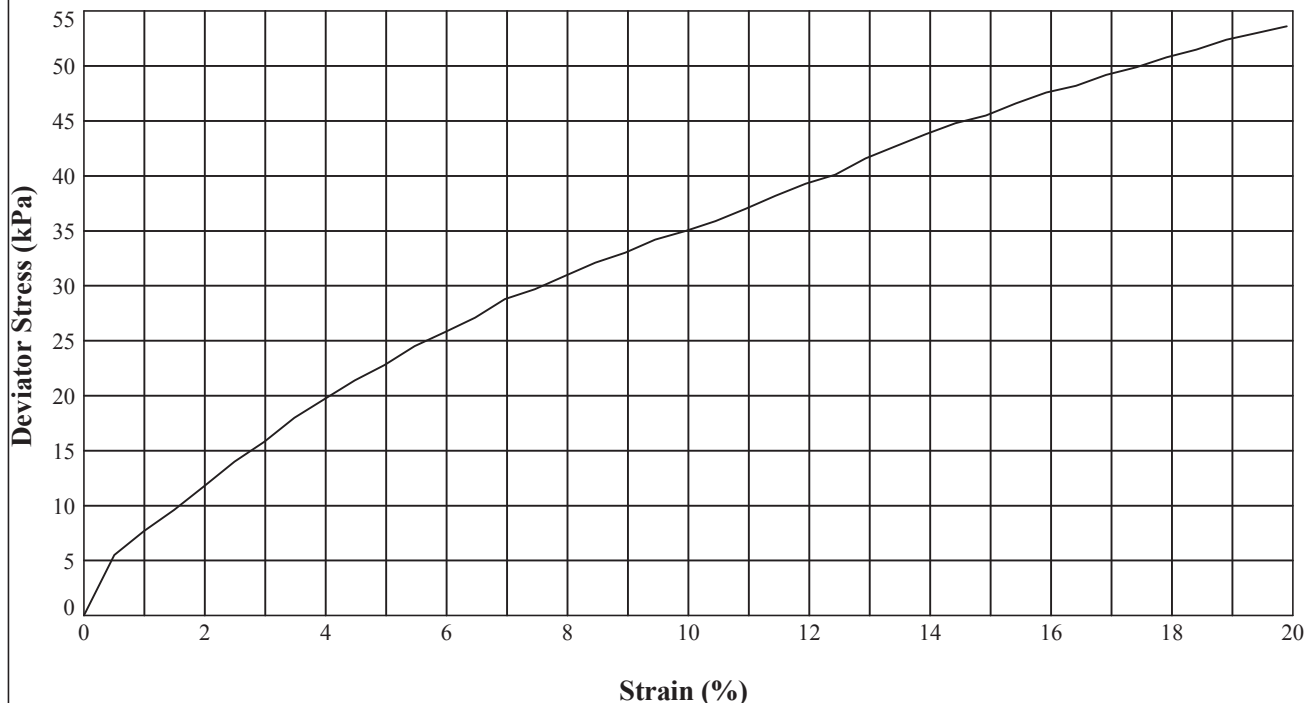
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC12A** Sample Ref: **8** Sample Type: **U** Depth (m): **3.17**

Description : **Reddish brown slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	105.04		
	Height (mm)	201.05		
	Moisture Content (%)	22		
	Bulk Density (Mg/m ³)	2.10		
	Dry Density (Mg/m ³)	1.72		
TEST DETAILS	Membrane Thickness (mm)	0.54		
	Rate of Axial Displacement (%/min)	1.24		
	Cell Pressure (kPa)	50		
	Membrane Correction (kPa)	1.95		
	Corrected Deviator Stress (kPa)	54		
	Undrained Shear Strength (kPa)	27		
	Strain at Failure (%)	19.9		
	Mode of Failure	Plastic		



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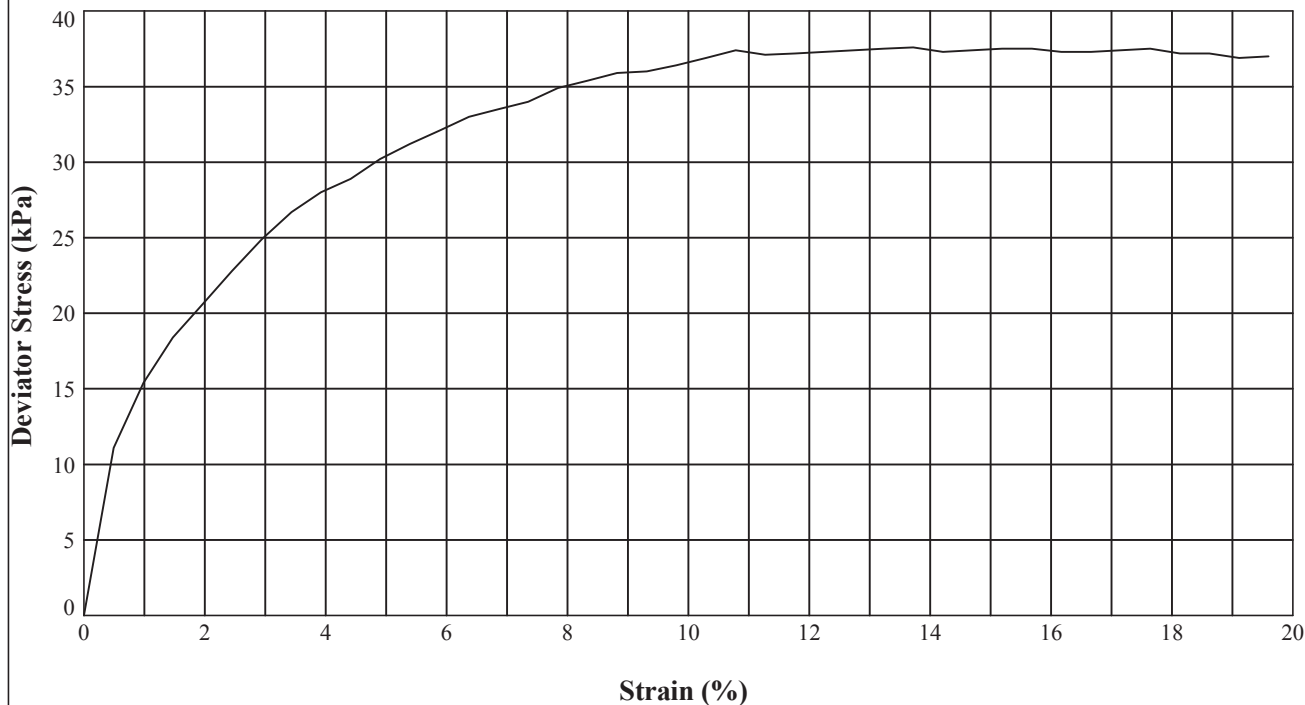
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC12B** Sample Ref: **3** Sample Type: **U** Depth (m): **1.39**

Description : **Reddish brown mottled grey slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.49		
	Height (mm)	204.11		
	Moisture Content (%)	33		
	Bulk Density (Mg/m ³)	1.94		
	Dry Density (Mg/m ³)	1.46		
TEST DETAILS	Membrane Thickness (mm)	0.60		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	20		
	Membrane Correction (kPa)	1.65		
	Corrected Deviator Stress (kPa)	38		
	Undrained Shear Strength (kPa)	19		
	Strain at Failure (%)	13.7		
	Mode of Failure	Compound		



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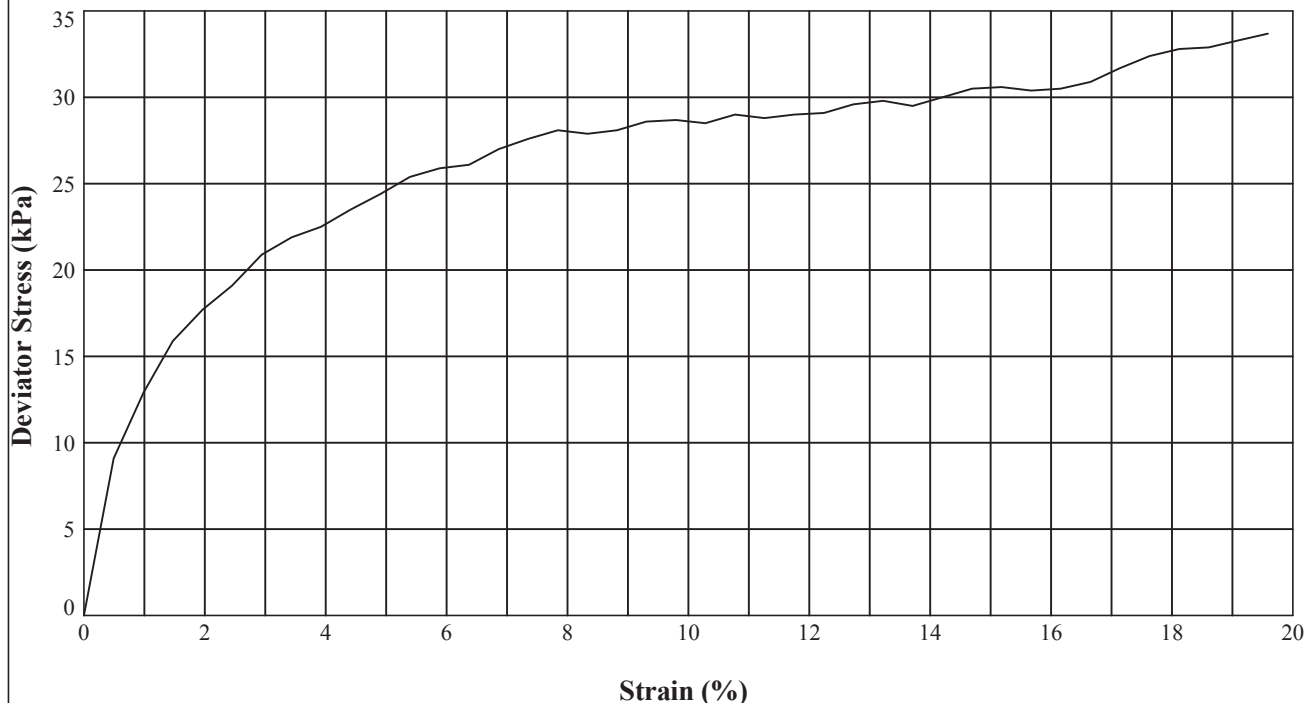
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC12D** Sample Ref: **3** Sample Type: **U** Depth (m): **1.36**

Description : **Reddish brown slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.79		
	Height (mm)	204.19		
	Moisture Content (%)	20		
	Bulk Density (Mg/m ³)	2.18		
	Dry Density (Mg/m ³)	1.82		
TEST DETAILS	Membrane Thickness (mm)	0.56		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	20		
	Membrane Correction (kPa)	2.01		
	Corrected Deviator Stress (kPa)	34		
	Undrained Shear Strength (kPa)	17		
	Strain at Failure (%)	19.6		
	Mode of Failure	Plastic		



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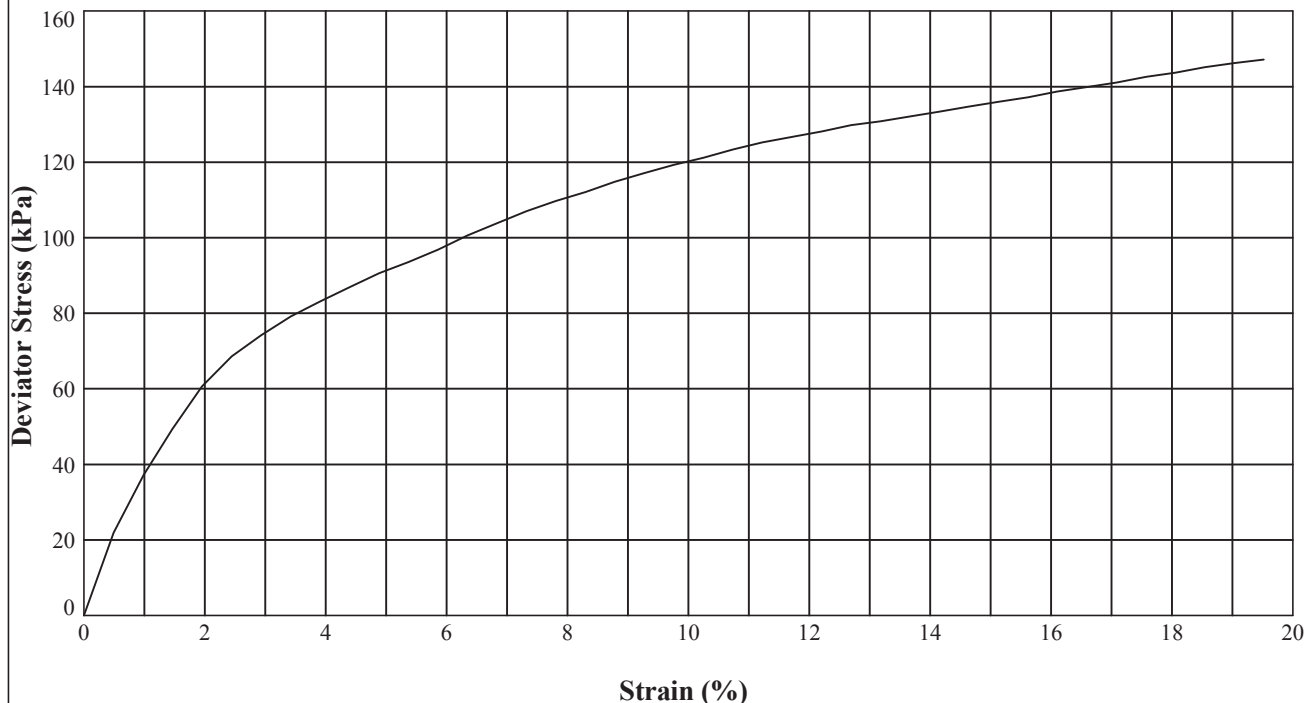
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC14** Sample Ref: **6** Sample Type: **U** Depth (m): **2.03**

Description : **Brownish grey slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	103.64		
	Height (mm)	204.92		
	Moisture Content (%)	20		
	Bulk Density (Mg/m ³)	2.06		
	Dry Density (Mg/m ³)	1.72		
TEST DETAILS	Membrane Thickness (mm)	0.63		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	35		
	Membrane Correction (kPa)	2.28		
	Corrected Deviator Stress (kPa)	147		
	Undrained Shear Strength (kPa)	74		
	Strain at Failure (%)	19.5		
	Mode of Failure	Plastic		



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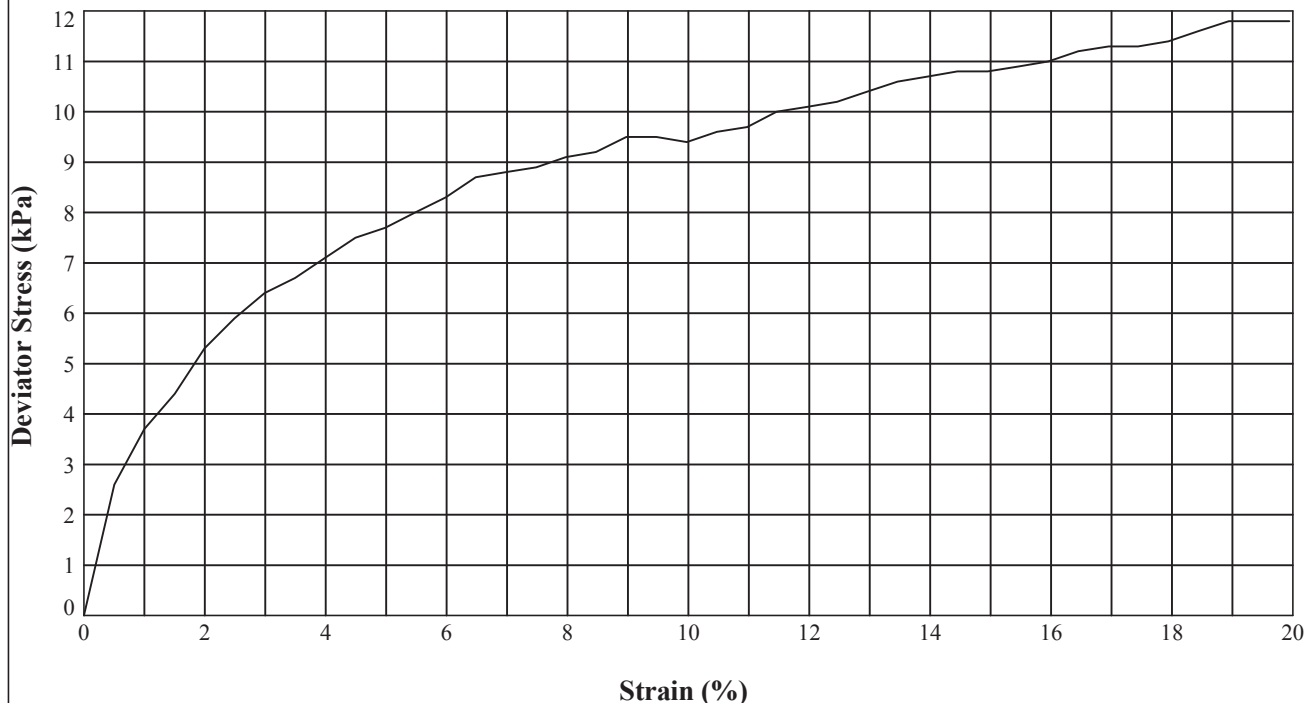
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC-LD1** Sample Ref: **15** Sample Type: **U** Depth (m): **8.05**

Description : **Grey silty CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.91		
	Height (mm)	200.63		
	Moisture Content (%)	42		
	Bulk Density (Mg/m ³)	1.81		
	Dry Density (Mg/m ³)	1.27		
TEST DETAILS	Membrane Thickness (mm)	0.64		
	Rate of Axial Displacement (%/min)	1.25		
	Cell Pressure (kPa)	140		
	Membrane Correction (kPa)	2.23		
	Corrected Deviator Stress (kPa)	12		
	Undrained Shear Strength (kPa)	6		
	Strain at Failure (%)	18.9		
	Mode of Failure	Plastic		



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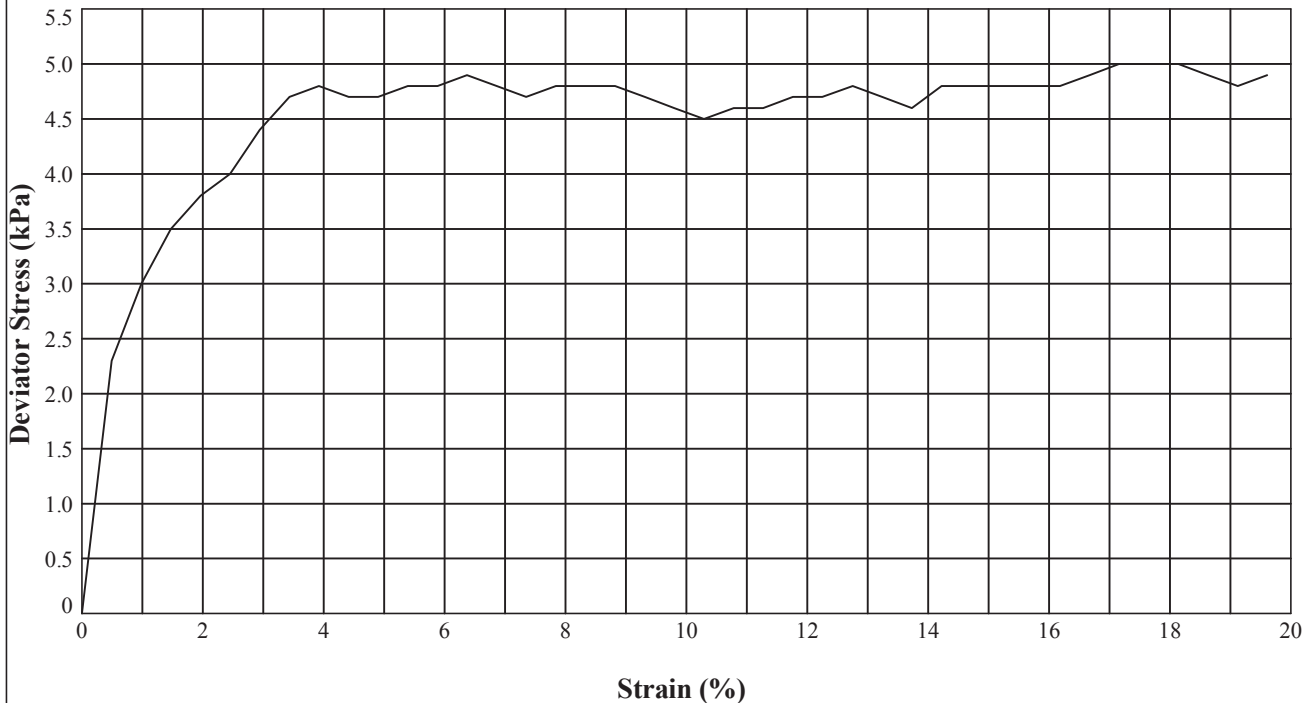
UNCONSOLIDATED QUICK UNDRAINED (SINGLE STAGE) TRIAXIAL COMPRESSION TEST

In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC-LD23** Sample Ref: **21** Sample Type: **U** Depth (m): **10.07**

Description : **Grey CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	103.00		
	Height (mm)	204.00		
	Moisture Content (%)	50		
	Bulk Density (Mg/m ³)	1.76		
	Dry Density (Mg/m ³)	1.17		
TEST DETAILS	Membrane Thickness (mm)	0.54		
	Rate of Axial Displacement (%/min)	1.23		
	Cell Pressure (kPa)	180		
	Membrane Correction (kPa)	1.78		
	Corrected Deviator Stress (kPa)	5		
	Undrained Shear Strength (kPa)	2		
	Strain at Failure (%)	17.2		
	Mode of Failure	Plastic		



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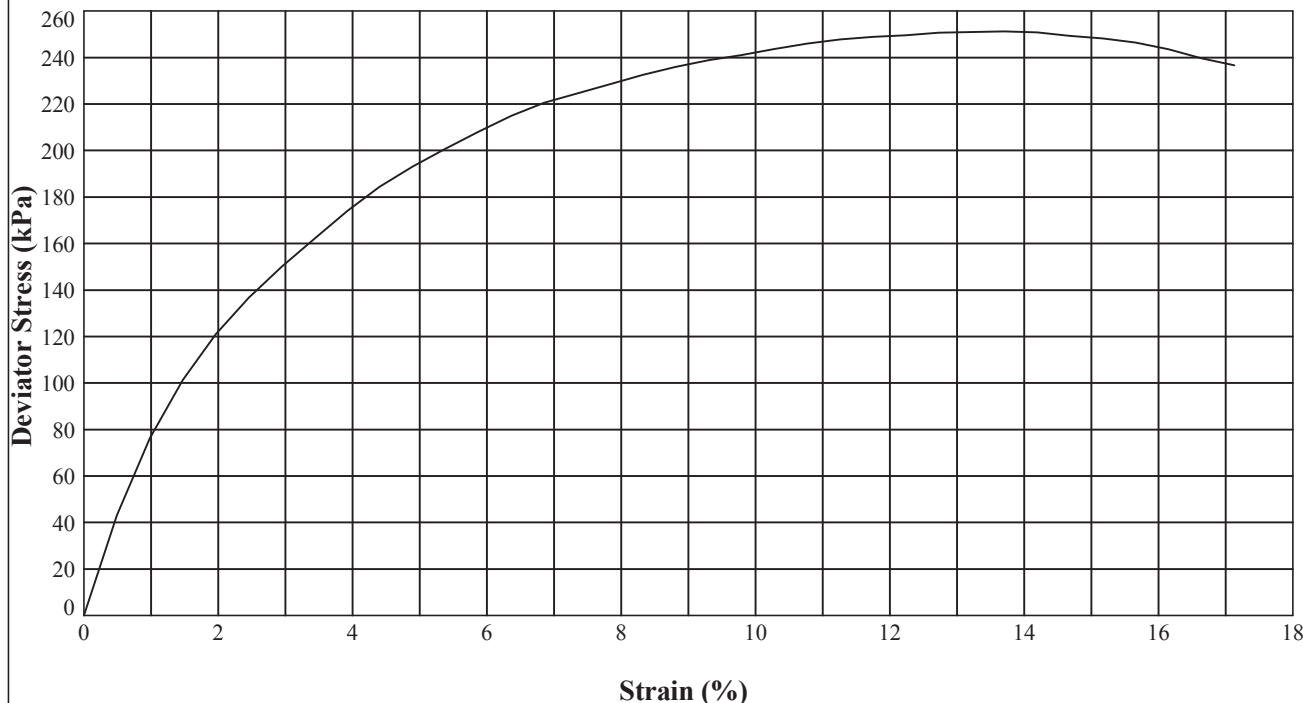
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC-LD39** Sample Ref: **5** Sample Type: **U** Depth (m): **2.07**

Description : **Reddish brown mottled grey slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.06		
	Height (mm)	204.32		
	Moisture Content (%)	22		
	Bulk Density (Mg/m ³)	2.08		
	Dry Density (Mg/m ³)	1.70		
TEST DETAILS	Membrane Thickness (mm)	0.56		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	35		
	Membrane Correction (kPa)	1.54		
	Corrected Deviator Stress (kPa)	251		
	Undrained Shear Strength (kPa)	126		
	Strain at Failure (%)	13.7		
	Mode of Failure	Compound		



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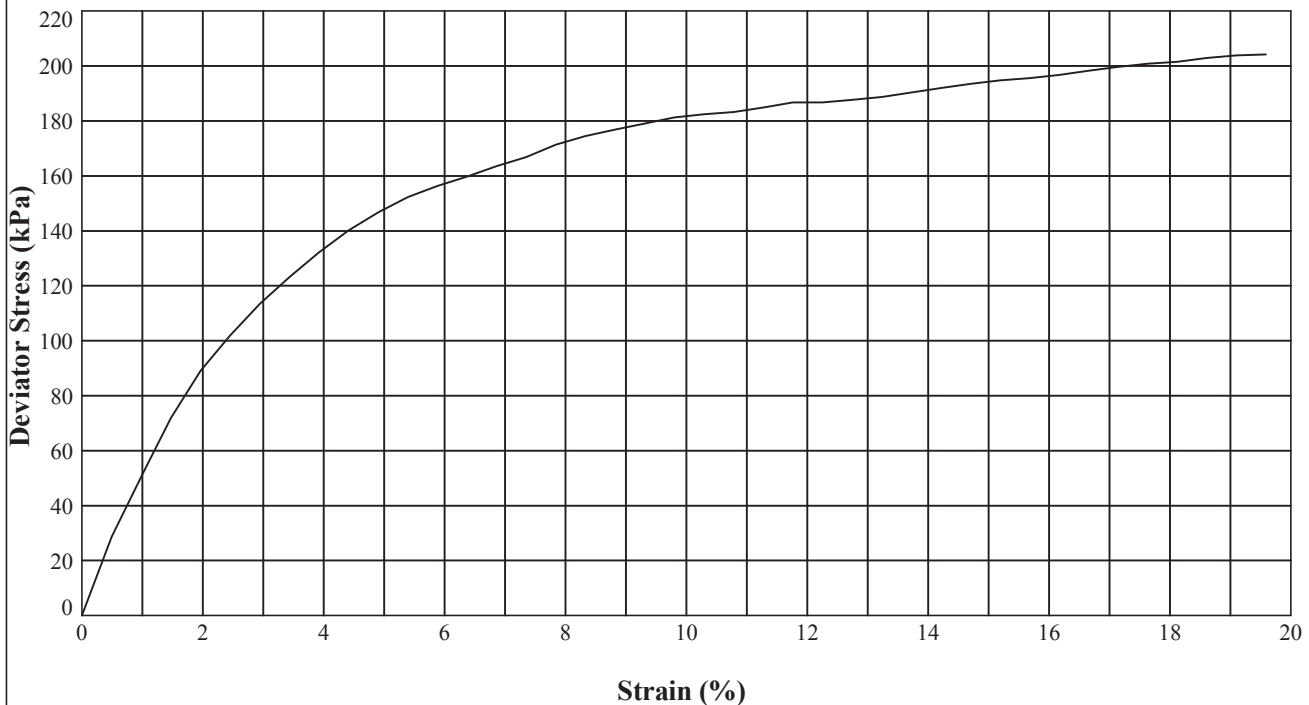
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC-LD39** Sample Ref: **10** Sample Type: **U** Depth (m): **4.18**

Description : **Reddish brown mottled grey slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.59		
	Height (mm)	204.14		
	Moisture Content (%)	18		
	Bulk Density (Mg/m ³)	2.21		
	Dry Density (Mg/m ³)	1.88		
TEST DETAILS	Membrane Thickness (mm)	0.61		
	Rate of Axial Displacement (%/min)	1.22		
	Cell Pressure (kPa)	70		
	Membrane Correction (kPa)	2.19		
	Corrected Deviator Stress (kPa)	204		
	Undrained Shear Strength (kPa)	102		
	Strain at Failure (%)	19.6		
	Mode of Failure	Compound		



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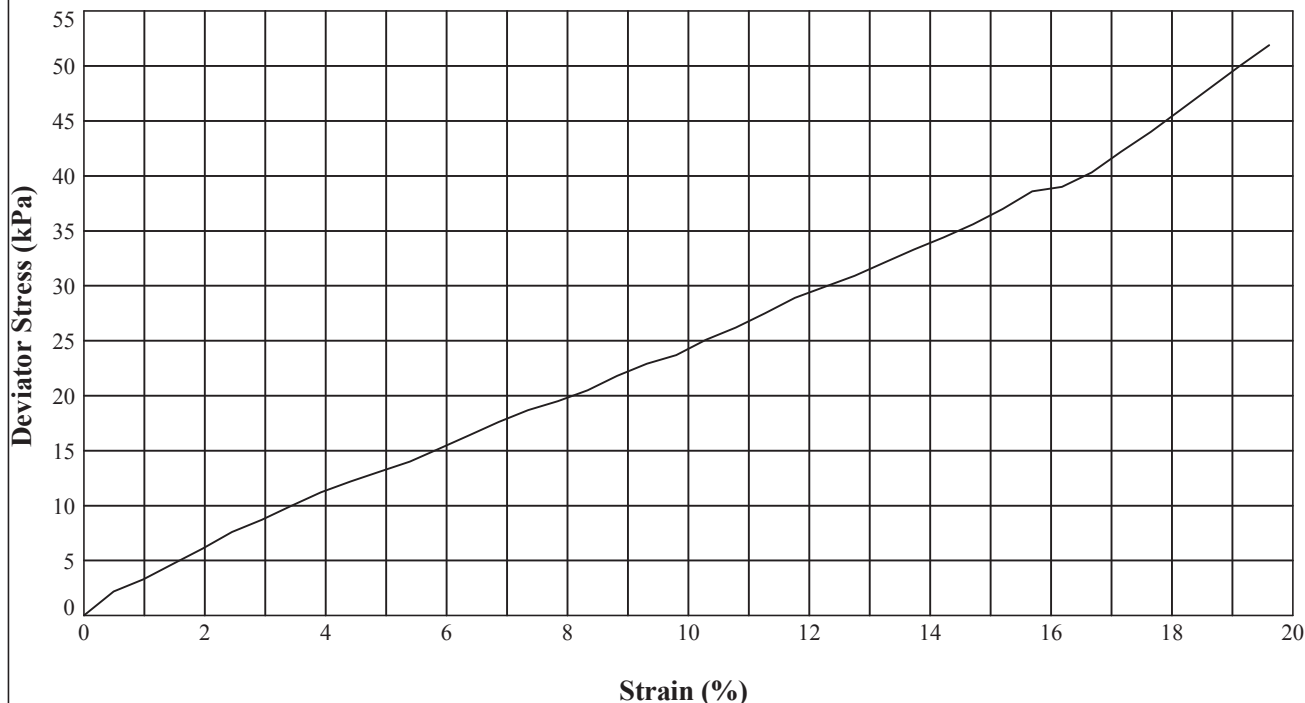
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In accordance with BS1377:Part 7:1990, Clause 8

Borehole : **BHC-LD39** Sample Ref: **15** Sample Type: **U** Depth (m): **6.57**

Description : **Reddish brown mottled grey slightly gravelly slightly sandy CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	Sample Condition	Undisturbed		
	Orientation of sample	Vertical		
	Diameter (mm)	104.00		
	Height (mm)	204.00		
	Moisture Content (%)	19		
	Bulk Density (Mg/m ³)	2.20		
	Dry Density (Mg/m ³)	1.84		
TEST DETAILS	Membrane Thickness (mm)	0.61		
	Rate of Axial Displacement (%/min)	1.23		
	Cell Pressure (kPa)	115		
	Membrane Correction (kPa)	2.20		
	Corrected Deviator Stress (kPa)	52		
	Undrained Shear Strength (kPa)	26		
	Strain at Failure (%)	19.6		
	Mode of Failure	Compound		



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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC1A	20.50	A	85	48	0.000	72	0.00	1.18	0.00	3.9	MUDSTONE
BHC1A	20.50	A	85	55	0.188	77	0.03	1.22	0.04	3.9	MUDSTONE
BHC1A	22.50	I	38	53	0.168	51	0.07	1.01	0.07	7.5	MUDSTONE
BHC1A	22.50	I	40	35	0.283	42	0.16	0.93	0.15	7.5	MUDSTONE
BHC1A	24.60	D	60	89	0.136	89	0.02	1.30	0.02	7.8	MUDSTONE
BHC1A	24.60	A	85	62	1.239	82	0.18	1.25	0.23	7.8	MUDSTONE
BHC1A	24.60	A	85	50	0.557	74	0.10	1.19	0.12	7.8	MUDSTONE
BHC1A	24.60	A	85	59	0.019	80	0.003	1.23	0.004	7.8	MUDSTONE

Key : A = Axial, D = Diametral, I = Irregular, B = Block, L = Parallel to planes of weakness, P = Perpendicular to planes of weakness. [NS] denotes Non Standard Test.

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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC1A	25.80	D	87	89	3.430	89	0.43	1.30	0.56	6.5	MUDSTONE
BHC1A	25.80	D	42	89	1.219	89	0.15	1.30	0.20	6.5	MUDSTONE
BHC1A	25.80	D	48	89	0.223	89	0.03	1.30	0.04	6.5	MUDSTONE
BHC1A	25.80	A	85	49	3.569	73	0.67	1.18	0.80	6.5	MUDSTONE
BHC1A	25.80	A	85	50	3.498	74	0.65	1.19	0.77	6.5	MUDSTONE
BHC1A	25.80	A	85	40	5.157	66	1.19	1.13	1.35	6.5	MUDSTONE
BHC1A	25.80	A	85	48	0.714	72	0.14	1.18	0.16	6.5	MUDSTONE
BHC1C	23.60	A	85	85	0.160	96	0.02	1.34	0.02	12	MUDSTONE

Key : A = Axial, D = Diametral, I = Irregular, B = Block, L = Parallel to planes of weakness, P = Perpendicular to planes of weakness. [NS] denotes Non Standard Test.

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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC1C	23.60	A	85	75	0.056	90	0.007	1.30	0.009	12	MUDSTONE
BHC1C	23.90	A	85	50	5.163	74	0.95	1.19	1.14	8.6	MUDSTONE
BHC1C	23.90	A	85	45	1.175	70	0.24	1.16	0.28	8.6	MUDSTONE
BHC1C	23.90	A	85	30	1.973	57	0.61	1.06	0.64	8.6	MUDSTONE
BHC1C	25.30	D	47	89	0.175	89	0.02	1.30	0.03	7.2	MUDSTONE
BHC1C	25.30	A	85	44	0.627	69	0.13	1.16	0.15	7.2	MUDSTONE
BHC1C	25.30	A	85	37	0.000	63	0.00	1.11	0.00	7.2	MUDSTONE
BHC14	20.50	I	30	57	0.846	47	0.39	0.97	0.38	8.6	MUDSTONE

Key : A = Axial, D = Diametral, I = Irregular, B = Block, L = Parallel to planes of weakness, P = Perpendicular to planes of weakness. [NS] denotes Non Standard Test.

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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC14	20.50	I	40	70	0.064	60	0.02	1.08	0.02	8.6	MUDSTONE
BHC14	20.50	I	42	74	0.011	63	0.003	1.11	0.003	8.6	MUDSTONE
BHC14	22.70	A	85	46	4.676	71	0.94	1.17	1.10	3.9	MUDSTONE
BHC-LD1	23.30	D	110	89	12.124	89	1.53	1.30	1.98	1.3	LIMESTONE
BHC-LD1	23.30	D	60	89	8.574	89	1.08	1.30	1.40	1.3	LIMESTONE
BHC-LD1	23.30	D	65	89	12.729	89	1.61	1.30	2.08	1.3	LIMESTONE
BHC-LD1	23.30	I	70	52	8.051	68	1.74	1.15	2.00	1.3	LIMESTONE
BHC-LD1	23.30	A	85	54	13.252	76	2.27	1.21	2.74	1.3	LIMESTONE

Key : A = Axial, D = Diametral, I = Irregular, B = Block, L = Parallel to planes of weakness, P = Perpendicular to planes of weakness. [NS] denotes Non Standard Test.

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

	STRUCTURAL SOILS		Compiled By	Date	Contract Ref: 727635 
	1a Princess Street				
	Bedminster		ALAN FROST	15.08.13	
	Bristol				
BS3 4AG		Contract: Hinkley to Seabank 400kV Connection			



SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC-LD1	24.30	I	60	75	1.206	76	0.21	1.21	0.25	4.4	MUDSTONE
BHC-LD1	24.30	A	85	54	5.682	76	0.97	1.21	1.18	4.4	MUDSTONE
BHC-LD1	24.30	A	85	57	6.593	79	1.07	1.23	1.31	4.4	MUDSTONE
BHC-LD1	24.30	A	85	53	4.230	76	0.74	1.21	0.89	4.4	MUDSTONE
BHC-LD1	24.30	A	85	45	4.968	70	1.02	1.16	1.19	4.4	MUDSTONE
BHC-LD1	26.90	D	47	86	0.597	86	0.08	1.28	0.10	3.8	MUDSTONE
BHC-LD1	26.90	A	85	51	4.625	74	0.84	1.20	1.00	3.8	MUDSTONE
BHC-LD1	26.90	A	85	44	6.206	69	1.30	1.16	1.51	3.8	MUDSTONE

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 <div>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</div>	Compiled By		Date	Contract Ref: <div>727635</div> 	
	<div></div>		ALAN FROST		15.08.13
	Contract:				
	Hinkley to Seabank 400kV Connection				



SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC-LD1	26.90	A	85	41	6.025	67	1.36	1.14	1.54	3.8	MUDSTONE
BHC-LD23	28.35	D	55	89	4.259	89	0.54	1.30	0.70	9.0	MUDSTONE
BHC-LD23	28.35	A	85	60	2.388	81	0.37	1.24	0.46	9.0	MUDSTONE
BHC-LD23	28.35	A	85	50	1.844	74	0.34	1.19	0.41	9.0	MUDSTONE
BHC-LD23	30.15	A	85	39	0.619	65	0.15	1.13	0.16	8.6	MUDSTONE
BHC-LD23	30.15	A	85	44	0.725	69	0.15	1.16	0.18	8.6	MUDSTONE
BHC-LD23	31.75	D	45	90	0.077	90	0.01	1.30	0.01	8.3	MUDSTONE
BHC-LD23	31.75	A	85	47	1.186	71	0.23	1.17	0.27	8.3	MUDSTONE

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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC-LD23	31.75	A	85	25	1.549	52	0.57	1.02	0.58	8.3	MUDSTONE
BHC-LD23	31.75	A	85	25	1.383	52	0.51	1.02	0.52	8.3	MUDSTONE
BHC-LD23	33.25	D	60	89	1.414	89	0.18	1.30	0.23	11	MUDSTONE
BHC-LD23	33.25	A	85	75	1.634	90	0.20	1.30	0.26	11	MUDSTONE
BHC-LD23	33.25	A	85	37	0.838	63	0.21	1.11	0.23	11	MUDSTONE
BHC-LD23	33.25	I	32	48	0.677	44	0.35	0.95	0.33	11	MUDSTONE
BHC-LD39	15.50	D	52	87	0.103	87	0.01	1.28	0.02	20	MUDSTONE
BHC-LD39	15.50	A	85	75	0.331	90	0.04	1.30	0.05	20	MUDSTONE

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 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 	
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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHC-LD39	15.50	D	46	87	0.034	87	0.004	1.28	0.006	20	MUDSTONE
BHC-LD39	15.50	A	85	37	0.063	63	0.02	1.11	0.02	20	MUDSTONE
BHC-LD39	17.80	A	85	59	0.651	80	0.10	1.23	0.13	8.3	MUDSTONE
BHC-LD39	17.80	I	42	53	0.422	53	0.15	1.03	0.15	8.3	MUDSTONE
BHVQ43R	20.85	I	40	68	0.424	59	0.12	1.08	0.13	9.1	MUDSTONE
BHVQ43R	20.85	I	45	48	0.981	52	0.36	1.02	0.36	9.1	MUDSTONE
BHVQ43R	23.08	I	65	43	0.571	60	0.16	1.08	0.17	7.7	MUDSTONE
BHVQ43R	23.08	I	37	45	0.705	46	0.33	0.96	0.32	7.7	MUDSTONE

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SUMMARY OF POINT LOAD INDEX TEST RESULTS

(International Society for Rock Mechanics : 1985)

Exploratory Position ID	Depth (m)	Type of Test	Width or Length (W or L) (mm)	Platen Separation (D) (mm)	Failure Load (P) (kN)	Equivalent Diameter (D _e) (mm)	Point Load (I _s) (MN/m ²)	Size Factor (F)	Point Load Index (I _{s(50)}) (MN/m ²)	Moisture Content (%)	Rock Type
BHVQ43R	23.08	A	85	61	1.588	81	0.24	1.24	0.30	7.7	MUDSTONE
BHVQ43R	24.78	D	62	88	5.103	88	0.66	1.29	0.85	4.1	MUDSTONE
BHVQ43R	24.78	A	85	76	4.846	91	0.59	1.31	0.77	4.1	MUDSTONE
BHVQ43R	24.78	A	85	53	3.631	76	0.63	1.21	0.76	4.1	MUDSTONE
BHVQ43R	25.60	I	55	75	1.345	72	0.26	1.18	0.30	8.2	MUDSTONE
BHVQ43R	25.60	I	35	49	0.500	47	0.23	0.97	0.22	8.2	MUDSTONE
BHVQ43R	25.60	A	85	63	1.321	83	0.19	1.25	0.24	8.2	MUDSTONE

Key : A = Axial, D = Diametral, I = Irregular, B = Block, L = Parallel to planes of weakness, P = Perpendicular to planes of weakness. [NS] denotes Non Standard Test.

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	Contract: Hinkley to Seabank 400kV Connection			

UNCONFINED COMPRESSIVE STRENGTH

In accordance with ISRM Suggested Methods

Borehole: **BHC-LD1**

Sample Ref: **3**

Sample Type: **CS**

Depth (m): **25.00**

Bulk Density (Mg/m^3): **2.64**

Dry Density (Mg/m^3): **2.60**

Moisture Content (%): **1.4**

Length (mm): **203.17**

Diameter (mm): **86.45**

Length/Diameter Ratio: **2.35**

Test Duration (mins:secs): **08:26**

Stress Rate (kN/min): **60**

Load at Failure (kN): **550.4**

UCS (MPa): **93.8**

Failure Type: **Explosive**

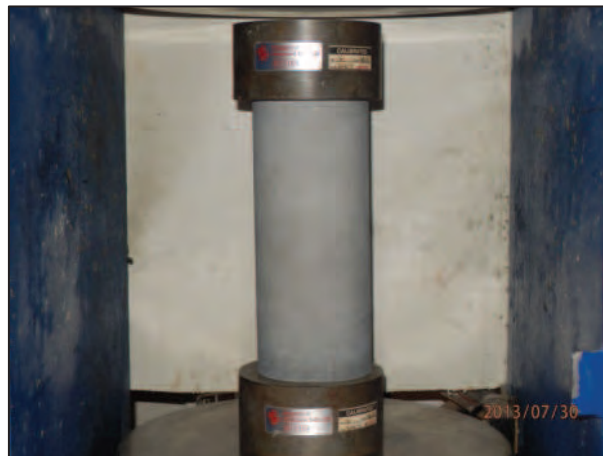
Note: **Axis of loading parallel to core axis**

Description: **Grey LIMESTONE**

Remarks: **Non-standard length/diameter ratio**



Front view (pre-test)



Rear view (pre-test)



Mode of Failure

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



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1a Princess Street
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Bristol
BS3 4AG

Compiled By

Date

ALAN FROST

15/08/13

Contract

**Hinkley to Seabank 400kV
Connection**

Job No

727635



UNCONFINED COMPRESSIVE STRENGTH

In accordance with ISRM Suggested Methods

Borehole: **BHC-LD1**

Sample Ref: **5**

Sample Type: **CS**

Depth (m): **27.70**

Bulk Density (Mg/m^3): **2.61**

Dry Density (Mg/m^3): **2.56**

Moisture Content (%): **1.8**

Length (mm): **198.72**

Diameter (mm): **86.31**

Length/Diameter Ratio: **2.30**

Test Duration (mins:secs): **04:33**

Stress Rate (kN/min): **60**

Load at Failure (kN): **293.3**

UCS (MPa): **50.1**

Failure Type: **Axial cleavage**

Note: **Axis of loading parallel to core axis**

Description: **Grey LIMESTONE**

Remarks: **Non-standard length/diameter ratio**



Front view (pre-test)



Rear view (pre-test)



Front view (post-test)



Rear view (post-test)

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
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**Hinkley to Seabank 400kV
Connection**

Job No

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SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHBWT1	2	B	1.00	34	1.85	1.38		71.59	19.75	Brown mottled grey CLAY
BHBWT1	7	D	2.00	52	1.70	1.12		77.08	19.67	Grey silty CLAY
BHBWT1	9	D	3.00	39				69.34	17.70	Grey silty CLAY
BHBWT1	12	D	4.00	64				80.71	18.07	Grey silty CLAY
BHBWT1	13	DSPT	5.00	51				70.48	16.93	Grey silty CLAY
BHBWT1	15	U	6.50	46	1.80	1.23		75.67	19.27	Grey silty CLAY
BHBWT1	16	D	7.00	64				83.09	18.22	Grey silty CLAY
BHBWT1	18	D	8.50	59				82.81	18.01	Grey silty CLAY
BHBWT1	20	D	9.50	67				87.91	18.16	Grey silty CLAY
BHBWT1	22	D	10.50	53				72.64	16.94	Grey silty CLAY
BHBWT1	24	D	12.00	58				82.02	18.11	Grey silty CLAY
BHBWT1	25	DSPT	13.00	38				62.02	16.49	Grey slightly sandy silty CLAY
BHBWT1	26	D	13.70	24	2.02	1.63		75.99	19.71	Reddish brown mottled grey slightly sandy slightly gravelly CLAY
BHBWT1	28	B	15.00	23				74.51	17.62	Brown very silty/clayey very gravelly SAND
BHC1A	4	U	1.28	26	2.02	1.61		60.46	18.13	Grey mottled brown CLAY
BHC1A	6	D	1.80	33	1.84	1.38		65.15	18.72	Grey CLAY
BHC1A	9	U	3.05	60	1.70	1.06		84.85	19.86	Grey CLAY
BHC1A	11	B	3.50	72				77.90	18.94	Grey CLAY

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 <div>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</div>	Compiled By		Date	Contract Ref: <div>727635</div> 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC1A	14	U	5.05	57	1.66	1.06		84.79	18.78	Grey CLAY
BHC1A	16	B	5.50	54				72.84	19.03	Grey CLAY
BHC1A	18	B	7.00	48				63.09	18.24	Grey CLAY
BHC1A	19	U	8.04	41	1.84	1.30		68.52	18.45	Grey slightly sandy CLAY
BHC1A	21	B	9.00	43				68.02	18.30	Grey slightly sandy CLAY
BHC1A	25	B	11.00	49				63.58	18.00	Dark grey mottled brown clayey SAND
BHC1A	26	B	11.60	28				53.88	18.38	Dark grey slightly gravelly very silty/clayey SAND
BHC1A	29	DSPT	14.00	28				53.26	17.97	Grey mottled brown silty/clayey SAND
BHC1A	30	B	14.50	37				54.74	18.26	Dark grey mottled brown slightly clayey SAND
BHC1A	32	B	15.50	32				63.34	18.39	Grey slightly gravelly slightly sandy CLAY
BHC1A	33	B	16.00	12	2.28	2.04		56.99	18.31	Reddish brown sandy clayey GRAVEL
BHC1A	35	B	17.50	19	2.12	1.78		76.80	18.59	Reddish brown slightly sandy slightly gravelly silty CLAY
BHC1A	37	B	19.00	21				15.99	18.23	Reddish brown slightly sandy slightly gravelly silty CLAY
BHC1B	3	U	1.22	23	2.04	1.66		58.71	19.22	Brown slightly sandy CLAY
BHC1B	5	B	1.50	34	1.91	1.43		66.03	27.00	Brownish grey CLAY
BHC1B	7	B	2.50	48	1.71	1.15		75.07	18.91	Grey slightly sandy CLAY
BHC1B	8	U	3.03	58	1.46	0.92		88.02	17.96	Grey slightly sandy CLAY
BHC1B	11	DSPT	4.00	54	1.74	1.13		85.06	18.42	Grey slightly sandy CLAY

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	[REDACTED]ALAN FROST		23.10.13	
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SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC1B	13	U	5.03	54	1.69	1.10		87.46	18.10	Grey slightly sandy CLAY
BHC1B	15	B	5.50	40				69.65	18.57	Grey slightly sandy CLAY
BHC1B	17	B	7.00	39				69.80	18.68	Grey slightly sandy CLAY
BHC1B	18	U	8.03	43	1.82	1.27		78.36	18.18	Grey slightly sandy CLAY
BHC1B	20	B	8.50	37				64.90	18.43	Grey slightly sandy CLAY
BHC1B	22	B	10.00	31				50.43	18.49	Grey very clayey SAND
BHC1B	23	DSPT	11.00	33				60.12	19.11	Grey very clayey SAND
BHC1B	26	B	12.00	25				51.15	18.05	Grey clayey SAND
BHC1B	28	B	13.00	22				46.16	18.08	Grey clayey SAND
BHC1B	30	B	14.00	33				54.57	18.20	Grey silty SAND
BHC1B	32	B	15.00	44				59.82	18.02	Grey sandy CLAY
BHC1B	35	B	15.90	23				47.17	17.90	Grey silty very gravelly SAND
BHC1B	36	DSPT	17.00	17	2.23	1.90		56.32	19.07	Reddish brown slightly gravelly sandy CLAY
BHC1B	38	B	18.00	24				63.19	17.87	Reddish brown slightly gravelly sandy CLAY
BHC1B	40	B	19.00	23				62.93	18.08	Reddish brown mottled greenish grey slightly sandy slightly gravelly silty CLAY
BHC1B	42	B	20.00	17				58.23	18.65	Reddish brown slightly sandy gravelly silty CLAY
BHC1C	2	U	1.26	24	2.00	1.61		55.70	18.60	Brown mottled grey slightly sandy CLAY
BHC1C	6	D	2.00	38				70.21	24.92	Brown mottled grey slightly sandy CLAY

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SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC1C	8	D	3.00	55				80.56	24.77	Grey slightly sandy CLAY
BHC1C	10	D	4.00	55				73.07	24.37	Grey slightly sandy CLAY
BHC1C	12	D	5.50	42				73.26	23.47	Grey slightly sandy CLAY
BHC1C	13	DSPT	6.50	51				80.59	20.41	Grey slightly sandy CLAY
BHC1C	14	D	7.00	41				64.38	18.28	Grey slightly sandy CLAY
BHC1C	16	D	8.50	51				78.56	22.65	Grey slightly sandy CLAY
BHC1C	17	DSPT	9.50	43				73.88	18.02	Grey very clayey SAND
BHC1C	18	D	10.00	41				65.02	18.40	Grey very clayey SAND
BHC1C	19	DSPT	11.00	26				57.86	19.09	Grey very clayey SAND
BHC1C	21	DSPT	12.50	26				55.15	18.76	Grey mottled brown clayey SAND
BHC1C	22	B	13.00	29				57.28	18.46	Grey clayey SAND
BHC1C	24	B	14.50	34				57.33	18.30	Grey clayey SAND
BHC1C	26	B	16.00	39				68.24	18.23	Grey clayey SAND
BHC1C	27	DSPT	17.00	17	2.11	1.80		67.46	19.39	Reddish brown slightly gravelly slightly sandy CLAY
BHC1C	28	B	17.80	34				62.83	18.46	Reddish brown slightly gravelly slightly sandy CLAY
BHC1C	30	D	19.00	22	2.09	1.71		59.62	19.05	Brown mottled grey slightly sandy CLAY
BHC1C		CS	23.00	10	1.98	1.80		73.25	20.80	Reddish brown MUDSTONE
BHC2A	3	D	1.20	42	1.66	1.17		65.95	19.16	Light greyish brown slightly sandy CLAY

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	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC2A	4	U	2.29	47	1.75	1.19		81.63	22.13	Grey silty CLAY
BHC2A	7	D	3.00	55				83.26	18.92	Grey mottled brown CLAY
BHC2A	8	U	4.28	27	1.98	1.56		70.38	20.04	Reddish brown slightly sandy CLAY
BHC2A	10	DSPT	5.00	54				80.24	18.63	Grey CLAY
BHC2A	12	U	6.75	22	1.91	1.57		85.71	18.79	Reddish brown sandy CLAY
BHC2A	14	B	7.00	47				59.04	18.77	Grey silty SAND with occasional peat
BHC2A	15	DSPT	8.00	35				55.70	19.14	Grey silty SAND
BHC2A	17	DSPT	9.50	32				62.55	19.27	Grey silty SAND
BHC2A	18	B	10.00	31				56.21	19.74	Grey mottled brown clayey SAND
BHC2A	20	B	11.50	43				65.78	18.62	Grey mottled brown clayey SAND
BHC2A	21	DSPT	12.50	201	1.09	0.36		180.70	19.45	Black PEAT
BHC2A	22	B	13.00	89				80.15	18.73	Grey sandy CLAY with pockets of peat
BHC2A	25	B	14.30	24	2.02	1.63		60.91	21.97	Greyish brown sandy CLAY
BHC2A	26	D	15.50	28				74.33	18.35	Brown mottled grey CLAY
BHC2A	28	B	16.50	30				73.12	18.51	Brown mottled grey clayey very gravelly SAND
BHC2B	2	U	1.54	32	1.92	1.46		69.63	17.82	Brown slightly sandy CLAY
BHC2B	6	D	2.00	46	1.74	1.19		80.16	26.71	Grey slightly sandy CLAY
BHC2B	7	U	3.10	43	1.39	0.97		86.86	26.69	Grey mottled brown slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[Redacted] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			





SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC2B	10	D	4.00	50				81.57	18.18	Grey mottled brown slightly sandy CLAY
BHC2B	11	DSPT	5.00	43				79.99	19.41	Grey mottled brown slightly sandy CLAY
BHC2B	12	D	5.50	49				80.69	17.13	Grey mottled brown slightly sandy CLAY
BHC2B	15	D	7.00	54				82.40	18.05	Grey slightly sandy CLAY
BHC2B	16	DSPT	8.00	48				81.99	18.00	Grey mottled brown slightly sandy CLAY
BHC2B	18	DSPT	9.50	27				53.53	17.97	Grey very clayey SAND
BHC2B	19	B	10.00	35				56.70	17.98	Grey very clayey SAND
BHC2B	20	DSPT	11.00	23				55.83	18.08	Grey clayey SAND
BHC2B	21	B	11.50	26				49.24	18.07	Grey clayey SAND
BHC2B	23	D	13.00	79	1.45	0.81		100.30	24.19	Grey CLAY with some peat
BHC2B	25	DSPT	14.50	55	1.67	1.07		90.47	19.11	Dark grey very clayey SAND
BHC2B	26	B	15.50	50				68.49	18.35	Grey very clayey SAND
BHC2B	28	B	16.50	63				78.59	18.32	Grey very clayey SAND
BHC2B	29	B	17.50	47				74.14	18.15	Grey very clayey SAND
BHC2B	31	B	18.00	38				67.29	18.14	Grey very clayey SAND
BHC2C	1	B	1.00	36	1.88	1.38		78.93	25.89	Brown slightly sandy CLAY
BHC2C	4	U	2.40	30	1.91	1.47		61.30	25.07	Grey mottled brown CLAY
BHC2C	7	D	3.00	39	1.88	1.35		74.98	21.31	Grey mottled brown CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC2C	9	U	4.00	43	1.77	1.24		72.34	19.16	Grey mottled brown and black CLAY
BHC2C	13	D	5.00	142				85.34	25.30	Dark brown PEAT with some brown clay
BHC2C	14	D	6.10	53	1.71	1.11		81.91	18.28	Grey CLAY with occasional peat
BHC2C	17	D	7.00	49	1.73	1.16		79.92	18.00	Grey CLAY
BHC2C	18	D	8.00	51	1.74	1.15		76.88	18.42	Grey mottled brown CLAY
BHC2C	19	D	8.00	53	1.58	1.04		73.13	19.24	Grey mottled brown CLAY
BHC2C	22	D	9.50	59				81.27	17.17	Grey CLAY
BHC2C	23	D	10.00	54	1.72	1.11		81.71	18.44	Grey CLAY
BHC2C	25	D	12.00	36	1.90	1.40		64.13	18.82	Grey very silty SAND
BHC2C	27	B	13.30	49				73.42	18.21	Grey very clayey SAND
BHC2C	31	B	14.50	46				67.91	18.23	Grey very silty SAND
BHC2C	32	B	15.50	44				62.80	18.27	Grey very silty SAND
BHC2C	33	D	16.50	84	1.35	0.73		91.66	19.30	Grey very silty SAND with occasional peat
BHC2C	35	B	17.50	31				77.87	18.10	Grey silty very sandy GRAVEL
BHC2C	37	B	18.20	28				67.58	18.14	Grey silty sandy GRAVEL
BHC2C	39	B	19.50	21				67.96	18.00	Grey silty sandy GRAVEL
BHC2D	1	B	0.30	27	1.92	1.51		73.05	24.93	Brown slightly sandy silty CLAY
BHC2D	6	D	2.00	44	1.67	1.16		75.20	19.18	Grey mottled brown CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



 <div>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</div>	Compiled By		Date	Contract Ref: <div>727635</div> 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC2D	7	U	3.29	36	1.88	1.39		69.53	18.97	Grey CLAY
BHC2D	10	D	4.00	41	1.67	1.18		67.83	19.06	Grey mottled brown CLAY
BHC2D	11	U	5.00	43	2.53	1.77		72.67	17.83	Grey mottled brown CLAY
BHC2D	12	B	5.70	180	1.13	0.40		146.20	20.42	Dark brown PEAT with occasional pockets of grey clay
BHC2D	14	D	7.00	59	1.59	1.00		78.80	19.01	Grey CLAY with rare pockets of peat
BHC2D	17	D	9.00	57				69.78	18.73	Grey mottled brown CLAY
BHC2D	19	D	10.50	53				82.24	18.57	Grey mottled brown CLAY
BHC2D	21	D	11.50	43				73.99	19.02	Grey mottled brown slightly sandy CLAY
BHC2D	23	B	12.70	43				61.47	18.69	Grey very silty SAND
BHC2D	24	D	13.80	92	1.21	0.63		108.30	18.90	Grey very clayey SAND with occasional peat
BHC2D	26	B	14.70	47	1.70	1.16		75.49	19.35	Grey mottled brown slightly sandy CLAY
BHC2D	28	B	15.50	45				68.23	18.73	Grey mottled brown clayey SAND
BHC2D	30	B	18.00	41				78.53	18.61	Grey mottled brown gravelly very clayey SAND
BHC2DA	2	B	18.50	24				74.08	18.09	Grey mottled brown slightly gravelly slightly sandy silty CLAY
BHC3A	5	B	1.50	41	1.53	1.09		78.69	18.26	Grey mottled brown slightly sandy CLAY
BHC3A	7	B	2.00	37	1.88	1.38		83.32	26.44	Reddish brown mottled grey slightly sandy CLAY
BHC3A	9	B	3.00	33	1.91	1.43		86.37	26.24	Reddish brown slightly gravelly slightly sandy CLAY
BHC3A	11	B	4.00	29	1.93	1.49		83.95	23.32	Reddish brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC3A	12	DSPT	5.00	35	1.85	1.37		82.50	22.96	Reddish brown slightly gravelly slightly sandy CLAY
BHC3A		CS	16.80	17	1.81	1.55		78.16	19.53	Reddish brown MUDSTONE
BHC3B	4	U	1.20	66	1.60	0.97		88.83	19.92	Dark grey mottled brown slightly sandy CLAY
BHC3B	8	D	2.00	27	1.94	1.53		77.98	18.58	Reddish brown slightly sandy CLAY
BHC3B	10	D	3.00	28	1.92	1.49		84.48	18.63	Reddish brown slightly sandy CLAY
BHC3B	11	DSPT	4.00	23	1.82	1.48		87.45	18.67	Reddish brown slightly sandy CLAY
BHC3B		CS	6.08	19	1.95	1.64		78.30	22.06	Reddish brown MUDSTONE
BHC3B		CS	7.00	11	1.68	1.51		154.40	26.69	Reddish brown mottled grey MUDSTONE
BHC3B		CS	10.00	14	1.74	1.53		153.90	19.61	Reddish brown MUDSTONE
BHC3B		CS	12.00	13	1.84	1.63		216.80	19.17	Reddish brown MUDSTONE
BHC3B		CS	13.00	15	1.89	1.64		80.99	18.81	Reddish brown MUDSTONE
BHC3C	3	B	0.80	20	2.13	1.77		60.04	18.87	Grey mottled reddish brown slightly gravelly slightly sandy CLAY
BHC3C	5	B	1.20	22	2.07	1.70		61.01	18.35	Reddish brown mottled grey slightly sandy CLAY
BHC3C		CS	9.90	15				103.90	21.05	Brown MUDSTONE
BHC3C		CS	13.00	14				139.60	19.55	Reddish brown mottled grey MUDSTONE
BHC3D	2	B	0.80	25	1.99	1.59		662.65	18.51	Reddish brown slightly sandy slightly gravelly SILT
BHC3D	4	B	1.20	26	2.00	1.59		70.96	18.40	Reddish brown slightly gravelly slightly sandy CLAY
BHC4	2	B	0.70	23	1.99	1.62		69.73	20.40	Brown slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[Redacted] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			





SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC4	6	B	2.00	24	2.00	1.61		68.55	22.94	Reddish brown mottled greenish grey silty CLAY
BHC4		CS	3.00	6.9				200.20	24.54	Reddish brown MUDSTONE
BHC4		CS	4.95	23	2.03	1.65		75.88	19.46	Reddish brown mottled greenish grey MUDSTONE
BHC4		CS	5.60	17	1.92	1.65		66.17	20.03	Reddish brown mottled greenish grey MUDSTONE
BHC4		CS	8.00	8.8				121.10	24.25	Greyish brown MUDSTONE
BHC4		CS	9.48	7.0	2.19	2.05		96.28	28.48	Brown mottled grey MUDSTONE
BHC5	4	D	1.20	33	1.85	1.39		75.12	18.68	Reddish brown mottled grey slightly gravelly slightly sandy SILT
BHC5	8	D	3.00	29				83.35	17.64	Reddish brown slightly gravelly slightly sandy SILT
BHC5		CS	9.76	15	1.80	1.56		121.50	20.42	Reddish brown MUDSTONE
BHC6	4	B	1.50	26	1.94	1.54		66.09	18.67	Reddish brown slightly gravelly slightly sandy CLAY
BHC6	5	U	2.00	37	1.89	1.38		85.39	20.17	Reddish brown slightly sandy CLAY
BHC6	8	D	3.00	29	1.91	1.48		79.78	23.30	Reddish brown very clayey SAND
BHC6	10	D	4.00	26	1.98	1.58		73.32	18.41	Reddish brown mottled greenish grey very clayey SAND
BHC6	12	D	5.00	30	1.95	1.50		83.34	24.18	Reddish brown mottled greenish grey very clayey SAND
BHC6		CS	9.25	15				204.20	26.55	Reddish brown MUDSTONE
BHC7	3	B	1.00	26	1.94	1.53		71.68	18.44	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC7	5	D	2.00	32	1.89	1.44		74.51	18.04	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC7		CS	4.00	13	1.87	1.66		87.48	26.16	Reddish brown mottled grey MUDSTONE

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK




 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	Contract:			
	Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC7		CS	7.00	10	1.93	1.74		75.56	18.97	Grey MUDSTONE
BHC7		CS	10.00	21	1.75	1.44		92.49	21.70	Reddish brown mottled grey MUDSTONE
BHC8A	4	B	1.20	30	1.88	1.44		73.92	22.22	Dark reddish brown slightly sandy silty CLAY
BHC8A	6	D	2.00	31	1.91	1.46		85.39	19.45	Reddish brown slightly gravelly slightly sandy CLAY
BHC8A	8	D	3.00	29	1.96	1.52		81.58	19.66	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC8A	10	D	4.00	30				85.06	19.84	Reddish brown gravelly very clayey SAND
BHC8A		CS	7.10	17	1.86	1.59		80.32	19.82	Reddish brown MUDSTONE
BHC8A		CS	8.15	13	1.92	1.69		107.50	20.63	Reddish brown mottled grey MUDSTONE
BHC8A		CS	9.08	14	1.87	1.64		80.64	19.11	Grey SILTSTONE
BHC8A		CS	10.10	11	1.91	1.72		79.10	25.38	Reddish brown mottled grey MUDSTONE
BHC8A		CS	11.13	13	1.79	1.59		91.54	20.20	Reddish brown MUDSTONE
BHC8B	4	B	1.50	24	2.03	1.65		53.48	18.62	Reddish brown slightly gravelly slightly sandy CLAY
BHC8B	6	B	2.00	26	1.99	1.59		73.36	18.81	Reddish brown mottled greenish grey slightly gravelly slightly sandy CLAY
BHC8B	5	B	3.00	27	1.97	1.55		70.69	18.35	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC8B	10	B	4.00	26	2.02	1.61		66.64	18.99	Reddish brown mottled greenish grey slightly sandy CLAY
BHC8B		CS	10.90	11	1.84	1.66		62.26	20.06	Reddish brown MUDSTONE
BHC8C	5	B	1.20	33	1.88	1.41		72.39	18.75	Reddish brown slightly sandy CLAY
BHC8C	7	D	2.00	33				83.01	18.32	Reddish brown mottled grey slightly gravelly slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
		ALAN FROST	23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			





SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC8C	9	D	3.00	32				90.38	18.24	Reddish brown mottled grey slightly sandy CLAY
BHC8C		CS	5.22	17	1.82	1.56		87.69	24.11	Reddish brown mottled greenish grey MUDSTONE
BHC8C		CS	8.00	10	2.02	1.83		88.49	26.70	Reddish brown mottled grey MUDSTONE
BHC8C		CS	9.18	6.7	1.76	1.65		162.30	26.03	Reddish brown mottled grey SILTSTONE
BHC8C		CS	10.00	15	1.78	1.55		115.90	25.73	Reddish brown SILTSTONE
BHC8C		CS	12.82	8.5	2.16	1.99		90.02	21.78	Reddish brown mottled grey MUDSTONE
BHC8D	4	B	1.40	25	2.03	1.63		60.75	19.27	Reddish brown slightly gravelly slightly sandy CLAY
BHC8D	6	D	2.00	29				79.81	19.32	Reddish brown slightly gravelly slightly sandy CLAY
BHC8D	8	D	3.00	32				80.81	19.93	Reddish brown slightly gravelly slightly sandy CLAY
BHC8D		CS	4.90	16	1.90	1.64		91.34	19.88	Grey MUDSTONE
BHC8D		CS	6.19	13	2.13	1.89		76.81	22.35	Reddish brown mottled grey MUDSTONE
BHC8D		CS	7.10	18	1.98	1.68		66.94	25.55	Reddish brown MUDSTONE
BHC8D		CS	8.28	10	1.77	1.60		96.11	23.57	Grey mottled reddish brown MUDSTONE
BHC8D		CS	9.86	13	1.83	1.62		94.21	19.77	Reddish brown MUDSTONE
BHC8D		CS	12.22	6.2	2.06	1.94		107.70	21.34	Reddish brown MUDSTONE
BHC8D		CS	14.00	9.2	1.92	1.76		115.30	27.94	Reddish brown MUDSTONE
BHC8D		CS	14.50	8.2	1.72	1.59		365.50	25.27	Reddish brown MUDSTONE
BHC9A	3	U	1.20	23	1.92	1.56		70.17	21.57	Reddish brown slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



 <div>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</div>	Compiled By		Date	Contract Ref: <div>727635</div> 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC9A	7	D	2.00	21	2.11	1.75		73.32	23.60	Brown mottled grey slightly sandy CLAY
BHC9A	9	D	3.00	20	2.12	1.77		68.28	19.20	Brown mottled grey very gravelly very clayey SAND
BHC9A		CS	6.80	11	1.80	1.63		77.19	20.57	Reddish brown mottled grey MUDSTONE
BHC9B	1	B	0.20	35	1.83	1.36		73.84	22.58	Reddish brown slightly gravelly slightly sandy CLAY
BHC9B	5	D	2.00	24				67.36	19.58	Reddish brown slightly gravelly slightly sandy CLAY
BHC9B	7	D	3.00	17	2.20	1.89		71.88	18.73	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC9B	11	D	4.50	19	2.15	1.81		67.95	19.19	Reddish brown mottled greenish grey slightly gravelly slightly sandy CLAY
BHC9B		CS	10.90	9.8	1.81	1.64		82.86	20.29	Reddish brown mottled grey MUDSTONE
BHC9C	6	D	2.00	25				73.12	18.36	Reddish brown slightly gravelly slightly sandy CLAY
BHC9D	4	U	2.00	22	1.93	1.58		74.37	20.67	Brown mottled grey slightly sandy CLAY
BHC9D	8	D	3.00	24				73.83	17.37	Brown gravelly CLAY
BHC10	3	B	1.30	23	1.98	1.61		53.06	18.75	Reddish brown slightly gravelly sandy CLAY
BHC10	6	U	3.00	18				67.76	19.45	Reddish brown slightly gravelly slightly sandy CLAY
BHC11		CS	1.80	18	1.94	1.64		94.77	19.81	Reddish brown mottled grey CLAY
BHC11		CS	2.60	13	1.88	1.67		98.12	19.01	Grey SILTSTONE
BHC11		CS	3.80	13	2.44	2.16		114.40	26.36	Reddish brown MUDSTONE
BHC11		CS	4.80	10				125.10	24.33	Reddish brown MUDSTONE
BHC11		CS	6.00	12	1.84	1.64		87.09	20.54	Grey mottled reddish brown MUDSTONE

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 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC12A	3	U	1.20	23	2.02	1.63		61.95	20.93	Reddish brown mottled grey slightly sandy CLAY
BHC12A	7	D	2.00	23	2.06	1.67		69.11	19.43	Reddish brown slightly gravelly slightly sandy CLAY
BHC12A	8	U	3.06	22	2.08	1.71		67.00	18.69	Reddish brown slightly gravelly sandy CLAY
BHC12A	12	D	4.00	19				63.42	17.32	Reddish brown sandy CLAY
BHC12A	13	U	5.00	17	2.22	1.89		54.48	19.99	Reddish brown mottled greenish grey sandy CLAY
BHC12A	15	D	5.50	20				64.15	18.89	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC12A	17	D	7.00	24				69.87	17.57	Reddish brown slightly gravelly CLAY
BHC12A	18	DSPT	8.00	19				76.20	19.53	Reddish brown CLAY
BHC12A		CS	12.70	8.1				64.85	19.76	Reddish brown MUDSTONE
BHC12A		CS	13.80	12	1.99	1.77		77.21	19.90	Reddish brown MUDSTONE
BHC12A		CS	14.70	10.0	1.91	1.74		80.19	26.01	Reddish brown MUDSTONE
BHC12B	3	U	1.30	16	2.10	1.82		42.79	18.30	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC12B	6	D	2.00	25	2.06	1.65		74.39	19.60	Reddish brown slightly gravelly slightly sandy CLAY
BHC12B	8	D	3.00	23				76.02	17.55	Reddish brown mottled grey slightly sandy CLAY
BHC12B	10	D	4.00	25	1.98	1.58		72.40	19.53	Reddish brown mottled yellow and grey slightly sandy CLAY
BHC12B	12	D	5.50	45				81.56	17.08	Reddish brown mottled grey slightly sandy CLAY
BHC12B	13	DSPT	6.50	22	1.90	1.56		74.14	19.36	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC12B	14	D	7.00	19	2.13	1.80		64.62	19.56	Reddish brown mottled grey slightly gravelly slightly sandy CLAY

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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC12B	16	D	8.00	21	2.11	1.75		67.64	19.61	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC12B		CS	9.70	15	1.98	1.72		62.29	21.21	Reddish brown slightly sandy silty CLAY
BHC12B		CS	10.10	15	2.13	1.86		62.87	19.25	Reddish brown slightly sandy silty CLAY
BHC12B		CS	11.30	11	1.87	1.68		83.57	25.79	Reddish brown mottled greenish grey MUDSTONE
BHC12B		CS	11.70	9.6	1.88	1.72		108.60	25.92	Reddish brown MUDSTONE
BHC12B		CS	13.00	17	1.98	1.69		70.50	25.86	Reddish brown slightly sandy silty CLAY
BHC12B		CS	14.00	14	2.21	1.94		63.97	23.10	Reddish brown mottled grey silty CLAY
BHC12B		CS	15.00	13	2.06	1.82		63.56	19.24	Reddish brown MUDSTONE
BHC12B		CS	16.00	11	2.00	1.81		74.37	26.17	Reddish brown mottled greenish grey MUDSTONE
BHC12B		CS	16.90	10				144.00	26.29	Reddish brown MUDSTONE
BHC12C	4	U	1.20	46	1.76	1.20		84.46	21.35	Reddish brown mottled grey slightly sandy CLAY
BHC12C	7	D	2.00	24	2.05	1.66		73.54	19.18	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC12C	9	D	3.00	19	2.10	1.76		74.55	19.15	Reddish brown slightly sandy CLAY
BHC12C	11	D	4.00	17	2.02	1.72		69.69	19.21	Reddish brown slightly sandy gravelly CLAY
BHC12C	13	D	5.50	23				72.08	17.88	Reddish brown slightly sandy gravelly CLAY
BHC12C	14	DSPT	6.50	22				85.45	16.37	Reddish brown slightly sandy gravelly CLAY
BHC12C	15	D	7.00	21	2.10	1.75		74.67	19.18	Reddish brown mottled grey slightly sandy CLAY
BHC12C	17	D	8.50	25				83.79	17.60	Reddish brown CLAY

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	[Redacted]		ALAN FROST		23.10.13
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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC12C		CS	10.50	21	2.18	1.80		65.98	24.60	Reddish brown slightly sandy silty CLAY
BHC12C		CS	10.95	21	2.11	1.74		59.94	24.14	Reddish brown slightly sandy silty CLAY
BHC12C		CS	12.60	13	1.96	1.73		73.95	26.35	Reddish brown mottled grey MUDSTONE
BHC12C		CS	14.60	17	2.19	1.87		67.04	20.78	Reddish brown mottled grey MUDSTONE
BHC12C		CS	15.60	12	2.02	1.80		66.88	18.93	Reddish brown MUDSTONE
BHC12C		CS	19.60	10	1.97	1.79		68.79	19.87	Reddish brown MUDSTONE
BHC12D	3	U	1.20	24	2.02	1.63		56.96	18.71	Reddish brown slightly sandy CLAY
BHC12D	6	D	2.00	23				71.20	17.21	Reddish brown mottled grey slightly sandy gravelly CLAY
BHC12D	8	D	3.00	22	2.13	1.75		74.42	19.35	Reddish brown slightly sandy CLAY
BHC12D	10	D	4.00	23	2.07	1.69		82.46	19.32	Reddish brown mottled grey slightly sandy CLAY
BHC12D	12	D	5.50	22	2.08	1.71		75.68	19.51	Reddish brown mottled grey slightly sandy gravelly CLAY
BHC12D	14	D	6.50	22	2.09	1.72		74.35	19.12	Reddish brown slightly sandy gravelly CLAY
BHC12D		CS	8.30	20	2.09	1.74		68.76	25.77	Reddish brown silty CLAY
BHC12D		CS	8.70	11	1.79	1.61		136.70	26.35	Reddish brown MUDSTONE
BHC12D		CS	11.10	17	2.17	1.85		77.29	24.87	Reddish brown very clayey GRAVEL
BHC12D		CS	11.50	15	2.14	1.86		68.80	18.82	Reddish brown mottled grey slightly sandy gravelly CLAY
BHC12D		CS	13.80	9.6	1.86	1.69		89.05	26.70	Reddish brown mottled grey MUDSTONE
BHC12D		CS	14.65	11	2.05	1.85		70.63	19.10	Reddish brown mottled greenish grey MUDSTONE

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 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 	
	[Redacted]		ALAN FROST		23.10.13
	Contract: Hinkley to Seabank 400kV Connection				

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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC13	4	D	1.20	28	1.99	1.56		74.77	18.65	Reddish brown slightly gravelly slightly sandy silty CLAY
BHC13	6	D	2.00	29	2.02	1.57		78.22	19.25	Reddish brown mottled yellow and grey slightly gravelly slightly sandy silty CLAY
BHC13	8	D	3.00	26	1.97	1.56		79.95	19.46	Reddish brown mottled yellow, orange and grey slightly sandy CLAY
BHC13	10	D	4.00	24	2.02	1.62		73.53	19.64	Reddish brown mottled yellow and grey slightly gravelly CLAY
BHC13	12	D	5.50	26	1.92	1.52		82.12	18.58	Reddish brown mottled yellow and grey slightly sandy CLAY
BHC13	13	DSPT	6.50	26	1.88	1.49		88.28	20.13	Reddish brown mottled grey slightly sandy CLAY
BHC13	14	D	7.00	33	1.95	1.47		84.72	19.55	Reddish brown mottled orange and grey slightly sandy CLAY
BHC13	16	D	8.00	30	1.95	1.50		75.46	19.45	Reddish brown mottled yellow and grey slightly gravelly slightly sandy CLAY
BHC14	3	B	1.00	25	2.02	1.62		69.12	19.58	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC14	6	U	2.03	21	2.08	1.71		70.85	18.73	Brownish grey slightly gravelly slightly sandy CLAY
BHC14	10	D	3.00	27	2.00	1.57		73.87	19.27	Reddish brown mottled grey slightly sandy slightly gravelly CLAY
BHC14	12	D	4.00	12	2.00	1.79		79.00	19.35	Reddish brown mottled grey slightly sandy CLAY
BHC14	14	D	5.50	23	2.11	1.71		74.24	19.43	Reddish brown slightly gravelly CLAY
BHC14	15	DSPT	6.50	19	1.91	1.60		69.30	24.14	Reddish brown mottled greenish grey CLAY
BHC14	16	D	7.00	20				68.47	17.70	Reddish brown CLAY
BHC14	18	D	8.00	24				73.82	16.98	Reddish brown slightly gravelly CLAY
BHC14	22	B	9.20	18				79.64	18.97	Reddish brown sandy very clayey GRAVEL
BHC14	24	B	11.00	18				87.39	20.71	Reddish brown sandy clayey GRAVEL

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	[REDACTED]ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC14	26	B	12.50	15				99.34	19.99	Reddish brown sandy very clayey GRAVEL
BHC14	28	B	14.00	23				70.72	21.22	Reddish brown sandy clayey GRAVEL
BHC14		CS	22.00	7.9	1.88	1.74		81.09	19.93	Reddish brown MUDSTONE
BHC-LD1	2	B	0.70	18	1.69	1.43		88.97	19.42	Brown gravelly CLAY
BHC-LD1	6	D	2.00	53				71.86	16.87	Grey CLAY
BHC-LD1	8	D	3.00	50				80.51	16.99	Grey CLAY
BHC-LD1	10	D	4.20	200				251.70	17.15	Dark brown and black PEAT
BHC-LD1	12	D	5.50	42				73.72	18.32	Grey silty CLAY
BHC-LD1	14	D	7.00	50				74.13	17.23	Grey silty CLAY
BHC-LD1	19	D	10.00	48				86.18	16.79	Grey slightly sandy CLAY
BHC-LD1	22	D	11.50	28				80.83	17.23	Grey slightly sandy CLAY
BHC-LD1	24	D	13.00	48				68.73	17.08	Grey slightly sandy CLAY
BHC-LD1	26	D	14.50	40				62.79	17.27	Grey slightly sandy CLAY
BHC-LD1	29	D	16.00	27				51.87	16.98	Grey sandy SILT
BHC-LD1	31	B	17.50	37				61.29	17.93	Grey slightly sandy CLAY
BHC-LD1	33	B	19.00	33				58.77	20.57	Grey sandy SILT
BHC-LD1	35	B	20.10	43				72.15	20.00	Grey slightly gravelly slightly sandy CLAY
BHC-LD1	39	B	21.50	34				70.88	17.98	Grey slightly sandy slightly gravelly CLAY

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BHC-LD1	40	D	22.20	22				78.40	17.95	Grey slightly sandy slightly gravelly CLAY
BHC-LD23	3	B	1.00	41	1.80	1.28		76.77	19.34	Grey slightly sandy CLAY
BHC-LD23	7	D	2.00	58				86.74	17.19	Grey CLAY
BHC-LD23	10	D	3.00	64				86.34	16.79	Grey CLAY
BHC-LD23	13	D	4.00	68				89.04	17.23	Grey CLAY
BHC-LD23	15	D	5.50	75				92.50	16.67	Grey CLAY
BHC-LD23	18	D	7.50	64				91.32	17.19	Grey CLAY
BHC-LD23	20	D	9.00	53				76.09	17.37	Grey CLAY
BHC-LD23	25	D	11.70	39	1.77	1.27		76.70	19.31	Grey CLAY
BHC-LD23	26	D	12.00	57				76.13	16.97	Grey CLAY
BHC-LD23	28	B	13.50	40				68.73	17.37	Grey sandy SILT
BHC-LD23	30	D	14.90	43				65.46	17.70	Grey slightly sandy CLAY
BHC-LD23	32	B	16.50	37				62.33	17.48	Grey slightly sandy CLAY
BHC-LD23	35	B	18.50	31				56.15	17.58	Grey slightly sandy CLAY
BHC-LD23	37	D	20.00	36				57.20	17.73	Grey slightly sandy CLAY
BHC-LD23	40	B	21.50	35				62.54	17.18	Grey sandy SILT
BHC-LD23	43	B	23.00	44				66.02	17.64	Grey sandy SILT
BHC-LD23	45	D	24.80	30				79.06	17.19	Grey slightly sandy CLAY

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BHC-LD23	46	U	25.50	29				80.33	18.15	Grey slightly sandy CLAY
BHC-LD23	49	B	27.00	21	2.07	1.70		64.86	19.38	Grey slightly gravelly slightly sandy CLAY
BHC-LD23		CS	29.90	8.5	1.83	1.68		86.75	19.73	Grey MUDSTONE
BHC-LD39	4	D	1.20	28	1.97	1.53		65.66	22.82	Reddish brown mottled grey slightly sandy CLAY
BHC-LD39	5	U	2.00	22	2.02	1.66		66.54	19.05	Reddish brown mottled grey slightly sandy CLAY
BHC-LD39	10	U	4.05	20	2.15	1.78		69.94	18.35	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC-LD39	15	U	6.57	23	2.12	1.72		87.16	18.38	Reddish brown mottled grey slightly gravelly slightly sandy CLAY
BHC-LD39		CS	8.20	13	2.17	1.91		53.51	18.95	Reddish brown slightly sandy gravelly CLAY
BHC-LD39		CS	8.85	10	2.03	1.85		367.90	19.57	Reddish brown MUDSTONE
BHC-LD39		CS	10.40	16	2.04	1.77		72.20	19.24	Reddish brown sandy clayey GRAVEL
BHC-LD39		CS	11.00	14	2.08	1.83		95.13	25.53	Reddish brown MUDSTONE
BHC-LD39		CS	11.70	11	2.00	1.80		168.70	19.86	Reddish brown mottled greenish grey MUDSTONE
BHC-LD39		CS	13.00	17	1.85	1.58		100.20	25.89	Reddish brown MUDSTONE
BHC-LD39		CS	14.20	9.9	1.95	1.78		344.80	19.47	Reddish brown MUDSTONE
BHC-LD39		CS	14.90	21	2.03	1.68		83.20	19.72	Reddish brown mottled greenish grey MUDSTONE
BHC-LD39		CS	16.18	8.9				100.80	26.74	Reddish brown mottled grey MUDSTONE
BHC-LD39		CS	17.00	10	1.96	1.78		71.81	25.44	Reddish brown MUDSTONE
BHC-LD39		CS	18.00	12	2.03	1.81		64.60	25.63	Reddish brown MUDSTONE

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STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By

ALAN FROST

Date

23.10.13

Contract Ref:

727635



Contract:




Hinkley to Seabank 400kV Connection

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Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
BHC-LD39		CS	18.90	13	2.13	1.89		58.40	23.44	Reddish brown MUDSTONE
BHVQ43R	3	B	1.00	28	1.95	1.53		67.64	24.34	Brown slightly sandy CLAY
BHVQ43R	7	D	2.00	52				74.79	24.37	Grey mottled brown slightly sandy CLAY
BHVQ43R	10	D	3.00	48				75.68	23.51	Grey mottled brown slightly sandy CLAY
BHVQ43R	13	B	4.00	50				75.84	23.49	Grey mottled brown slightly sandy CLAY
BHVQ43R	15	B	5.10	37				59.10	24.02	Grey mottled brown silty SAND
BHVQ43R	16	DSPT	6.50	46				83.25	21.45	Brown mottled grey clayey SAND
BHVQ43R	17	B	7.00	30				54.99	24.13	Grey mottled brown silty SAND
BHVQ43R	19	B	8.50	36				62.70	25.34	Grey mottled brown clayey SAND
BHVQ43R	21	B	10.00	28				52.22	24.36	Dark grey mottled brown silty SAND
BHVQ43R	23	B	11.50	41				76.62	24.81	Grey mottled brown clayey SAND
BHVQ43R	25	B	13.00	43				64.46	23.93	Grey mottled brown very silty SAND
BHVQ43R	27	B	14.50	38				61.86	24.83	Grey mottled brown silty SAND
BHVQ43R	29	B	16.00	51				67.83	25.21	Grey mottled brown clayey SAND
BHVQ43R	31	B	17.50	41				67.43	24.08	Grey mottled brown clayey SAND
BHVQ43R	35	B	19.50	17				56.46	24.54	Reddish brown mottled grey sandy silty GRAVEL
BHVQ43R	36	B	19.90	14	2.14	1.88		57.86	24.11	Grey mottled reddish brown sandy silty GRAVEL
BHVQ43R		CS	20.80	6.2	1.94	1.83		78.73	19.35	Reddish brown MUDSTONE

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CPTC2A	1	B	1.00	31	2.05	1.57		69.58	18.56	Brown mottled grey CLAY
CPTC2B	1	B	1.00	28	1.86	1.45		74.70	18.24	Brown CLAY
CPTC2C	1	B	1.00	36	1.89	1.38		66.20	18.33	Greyish brown CLAY
CPTC2D	1	B	1.00	26	1.98	1.56		60.48	18.41	Greyish brown CLAY
CPTC-LD1	1	U	1.00	35	1.83	1.36		71.90	19.04	Grey CLAY
CPTC-LD6	2	B	1.00	34	1.93	1.44		68.50	18.94	Grey mottled brown slightly sandy CLAY
CPTC-LD10	3	U	1.00	25	2.03	1.63		68.04	18.68	Grey mottled brown CLAY
CPTC-LD14	2	B	0.85	21				69.39	17.59	Grey CLAY
CPTC-LD16	2	U	1.00	31	1.93	1.47		67.01	19.22	Grey mottled brown CLAY
CPTC-LD20	2	U	1.00	26	1.95	1.55		68.26	19.54	Grey slightly sandy CLAY
CPTC-LD23	3	U	1.00	33	1.86	1.40		75.13	18.91	Grey slightly sandy CLAY
CPTC-LD31	2	U	1.00	23	1.94	1.58		72.32	19.65	Grey CLAY
CPTC-LD39	2	B	1.00	25	1.94	1.55		73.43	18.71	Brown gravelly very clayey SAND
CPTC-LD44	2	U	1.20	46	1.77	1.21		76.99	19.21	Grey slightly sandy CLAY
CPTC-LD51	3	U	1.20	25	2.00	1.60		67.86	18.75	Grey mottled brown CLAY
CPTC-LD59	3	U	1.20	29	1.96	1.51		61.88	19.14	Grey mottled brown slightly sandy CLAY
CPTC-LD61	3	U	1.20	36	1.89	1.39		65.78	18.48	Grey mottled brown slightly sandy CLAY
CPTC-LD67	2	B	1.00	61	1.62	1.00		86.70	19.54	Grey CLAY with occasional organic matter

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref:
	 ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			727635 

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
CPTC-LD73	2	B	1.00	49	1.68	1.13		82.02	19.99	Grey CLAY
CPTC-LD77	1	B	1.00	22	2.13	1.75		59.06	18.14	Grey mottled brown slightly gravelly sandy CLAY
CPTC-LD80	3	U	1.20	23	2.01	1.63		61.06	18.86	Reddish brown slightly sandy CLAY
CPTC-LD83	1	B	0.80	20	2.07	1.73		57.71	19.35	Reddish brown slightly gravelly sandy CLAY
CPTC-LD91	1	B	0.30	20	1.81	1.50		66.50	19.20	Reddish brown slightly gravelly sandy CLAY
CPTC-LD92	1	B	0.90	18	2.11	1.79		52.00	19.02	Reddish brown slightly gravelly sandy CLAY
CPTC-LD93	1	B	0.80	15	2.19	1.91		43.74	19.21	Reddish brown clayey SAND and GRAVEL
CPTC-LD97	3	U	1.00	35	1.83	1.36		70.74	19.08	Grey mottled brown slightly sandy CLAY
CPTC-LD100	1	B	1.00	22	1.95	1.60		70.29	19.27	Grey mottled brown slightly sandy gravelly CLAY
CPTC-LD100A	1	B	1.00	22	2.05	1.68		71.01	19.20	Grey mottled reddish brown and yellow slightly sandy gravelly CLAY
CPTC-LD102	1	B	1.00	15	1.95	1.69		56.01	19.11	Brown slightly sandy gravelly CLAY
CPTC-LD119	2	U	1.20	25	1.99	1.59		58.53	18.40	Greyish brown slightly sandy CLAY
CPTC-ZG3	2	U	1.00	26	1.96	1.56		72.96	17.84	Grey mottled brown slightly sandy CLAY
CPTC-ZG7	3	U	1.00	21	2.04	1.69		106.00	18.76	Grey slightly sandy CLAY
CPTC-ZG11	3	U	1.00	51	1.78	1.18		83.45	18.48	Grey mottled brown slightly sandy CLAY
CPTC-ZG13	3	U	1.00	35	1.91	1.41		74.30	18.74	Grey mottled brown slightly sandy CLAY
CPTVQ43R	3	U	1.00	22	2.12	1.74		70.98	17.73	Brown slightly sandy CLAY
TH1	3	U	1.00	37	1.85	1.36		84.88	17.63	Grey mottled brown CLAY

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 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By	Date	Contract Ref:
	<div></div> ALAN FROST	23.10.13	
	Contract: Hinkley to Seabank 400kV Connection		727635 

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH1	4	U	1.00	41	1.80	1.28		82.15	17.69	Grey mottled brown CLAY
TH1	5	U	1.00	39	1.84	1.33		73.37	17.78	Grey mottled brown CLAY
TH1A	5	U	1.00	31	1.95	1.49		63.70	18.52	Brown mottled grey CLAY
TH1A	6	U	1.00	29	1.92	1.49		69.20	18.71	Brown mottled grey CLAY
TH1A	7	U	1.00	27	1.95	1.53		64.52	18.81	Brown mottled grey CLAY
TH1A	8	U	1.00	30	1.94	1.48		62.51	18.81	Brown mottled grey CLAY
TH2	5	U	1.00	33	1.89	1.42		83.17	17.70	Grey mottled brown slightly sandy CLAY
TH2	7	U	1.00	31	1.90	1.45		76.22	17.72	Grey mottled brown slightly sandy CLAY
TH2A	3	U	1.00	33	1.90	1.43		74.82	18.81	Brown mottled grey CLAY
TH2A	4	U	1.00	34	1.85	1.39		65.24	17.37	Brown mottled grey CLAY
TH2A	5	U	1.00	34	1.70	1.26		68.28	17.52	Brown mottled grey CLAY
TH2A	6	U	1.00	33	1.86	1.40		73.56	17.50	Brown mottled grey CLAY
TH3	3	U	1.00	29	1.89	1.47		82.20	19.17	Reddish brown slightly sandy CLAY
TH3	4	U	1.00	32	1.87	1.41		76.81	18.34	Reddish brown slightly sandy CLAY
TH3	5	U	1.00	33	1.88	1.42		78.56	18.08	Reddish brown slightly sandy CLAY
TH3A	2	D	0.65	18	1.89	1.61		65.34	18.75	Brown clayey very gravelly SAND
TH3A	3	D	0.70	19	1.85	1.56		71.24	19.13	Brown clayey very gravelly SAND
TH3A	4	D	0.70	18	1.91	1.62		56.85	19.25	Brown clayey very gravelly SAND

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK




 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref:
	 ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			727635 

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH3A	6	D	0.75	21	1.93	1.60		59.11	19.20	Brown clayey very gravelly SAND
TH4	2	U	1.00	26	1.98	1.57		84.92	20.31	Reddish brown slightly sandy slightly gravelly CLAY
TH4	5	B	1.00	29	1.92	1.49		77.71	19.53	Reddish brown slightly sandy slightly gravelly CLAY
TH4A	1	B	0.90	14	2.19	1.91		55.87	19.59	Reddish brown clayey very gravelly SAND
TH4A	2	B	1.00	15	2.21	1.92		62.75	19.53	Reddish brown clayey very gravelly SAND
TH4A	3	B	1.10	16	2.17	1.87		61.01	19.24	Reddish brown clayey very gravelly SAND
TH4C	3	U	1.00	21	1.99	1.64		60.84	19.76	Brown slightly sandy CLAY
TH4C	4	U	1.00	18	2.00	1.69		59.59	20.11	Brown slightly sandy CLAY
TH4C	5	U	1.00	20	2.05	1.71		61.36	19.93	Brown slightly sandy CLAY
TH4C	6	U	1.00	17	1.98	1.69		53.85	20.18	Brown slightly sandy CLAY
TH5	2	B	1.00	16	2.15	1.85		65.76	19.60	Brown mottled grey clayey sandy GRAVEL
TH5	2	B	1.00	16	2.15	1.85		68.31	19.26	Brown mottled grey clayey sandy GRAVEL
TH5A	6	U	1.00	9.4	1.99	1.82		55.37	20.57	Brown gravelly clayey SAND
TH5A	7	U	1.00	9.5	2.23	2.04		44.52	21.39	Brown gravelly clayey SAND
TH5A	8	U	1.00	14	1.91	1.67		66.93	15.61	Brown gravelly clayey SAND
TH5A	9	U	1.00	12	1.89	1.69		109.50	17.24	Brown gravelly clayey SAND
TH5B	5	U	1.00	19	2.10	1.76		48.44	16.75	Brown slightly gravelly sandy CLAY
TH5B	6	U	1.00	19	1.96	1.65		49.11	16.44	Brown slightly gravelly sandy CLAY

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 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
		ALAN FROST	23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH5B	7	U	1.00	19	2.01	1.69		54.50	17.38	Brown slightly gravelly sandy CLAY
TH5B	8	U	1.00	18	1.99	1.68		44.61	17.96	Brown slightly gravelly sandy CLAY
TH5C	5	U	1.00	36	1.85	1.36		70.46	17.36	Grey mottled brown slightly sandy CLAY
TH5C	6	U	1.00	38	1.81	1.31		82.68	17.11	Grey mottled brown slightly sandy CLAY
TH5C	7	U	1.00	33	1.79	1.34		90.80	19.09	Grey mottled brown slightly sandy CLAY
TH5C	8	U	1.00	38	1.85	1.34		84.03	18.86	Grey mottled brown slightly sandy CLAY
TH6A	3	U	1.00	15	2.07	1.80		40.28	17.58	Reddish brown slightly sandy CLAY
TH6A	4	U	1.00	15	1.99	1.73		41.15	18.25	Reddish brown slightly sandy CLAY
TH6A	5	U	1.00	15	2.11	1.83		45.92	18.43	Reddish brown slightly sandy CLAY
TH6A	6	U	1.00	22	1.93	1.57		70.72	18.43	Reddish brown slightly sandy slightly gravelly CLAY
TH6C	6	D	1.00	21	2.07	1.72		72.50	20.36	Brown mottled grey slightly gravelly sandy CLAY
TH6C	7	D	1.00	16	2.02	1.75		76.46	20.41	Brown mottled grey sandy CLAY
TH6C	8	D	1.00	20	2.07	1.72		69.41	20.89	Brown mottled grey sandy CLAY
TH6C	9	D	1.00	20	2.05	1.71		75.01	20.60	Brown mottled grey sandy CLAY
TH6D	5	U	1.00	13	2.13	1.88		95.26	20.01	Brown slightly sandy gravelly CLAY
TH6D	6	U	1.00	17	2.00	1.71		139.00	20.12	Brown slightly sandy gravelly CLAY
TH6D	7	U	1.00	16	2.17	1.87		38.27	19.59	Brown slightly sandy gravelly CLAY
TH6D	8	U	1.00	17	2.05	1.75		94.56	18.76	Brown slightly sandy gravelly CLAY

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 <div>STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG</div>	Compiled By		Date	Contract Ref: <div>727635</div> 
	[REDACTED]ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH6E	1	U	1.00	209	1.35	0.44		145.30	20.46	Black PEAT
TH6E	2	U	1.00	219	1.45	0.46		130.70	20.68	Black PEAT
TH6E	3	U	1.00	205	1.37	0.45		143.20	20.35	Black PEAT
TH7	1	B	1.00	23	2.01	1.64		62.99	18.51	Reddish brown slightly sandy slightly gravelly CLAY
TH7	1	U	1.00	26	1.98	1.58		63.03	19.62	Reddish brown slightly sandy CLAY
TH7	2	U	1.00	21	1.87	1.55		66.92	19.45	Reddish brown slightly sandy CLAY
TH7	3	U	1.00	22	2.00	1.64		49.37	19.33	Reddish brown mottled grey slightly sandy slightly gravelly CLAY
TH7A	5	U	1.00	26	1.91	1.52		48.33	17.82	Grey slightly sandy CLAY
TH7A	6	U	1.00	30	1.89	1.46		65.89	17.49	Grey slightly sandy CLAY
TH7A	7	U	1.00	29	1.92	1.49		59.38	18.50	Grey slightly sandy CLAY
TH7A	8	U	1.00	26	1.91	1.52		48.73	18.82	Grey slightly sandy CLAY
TH8	3	U	1.00	17	2.07	1.76		71.24	18.85	Reddish brown slightly sandy slightly gravelly CLAY
TH8	4	U	1.00	15	3.11	2.70		76.18	18.72	Reddish brown slightly sandy slightly gravelly CLAY
TH8	5	U	1.00	20	2.10	1.76		74.95	18.89	Reddish brown slightly sandy slightly gravelly CLAY
TH9	2	B	0.95	23	1.98	1.61		68.13	18.91	Brown gravelly very clayey SAND
TH9	3	B	1.00	24	1.97	1.59		73.20	18.88	Reddish brown gravelly very clayey SAND
TH9	3	U	1.00	19	1.99	1.68		85.91	19.46	Reddish brown gravelly very clayey SAND
TH10	3	U	1.00	19	1.90	1.60		74.70	19.01	Reddish brown slightly sandy slightly gravelly CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By

ALAN FROST

Date

23.10.13

Contract Ref:

727635



Contract:



Hinkley to Seabank 400kV Connection

SUMMARY OF THERMAL RESISTIVITY TESTS

In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH10	4	U	1.00	20	1.80	1.50		89.24	19.39	Reddish brown slightly sandy slightly gravelly CLAY
TH11	4	U	1.00	27	1.96	1.55		65.98	18.76	Grey mottled reddish brown slightly sandy slightly gravelly CLAY
TH11	5	U	1.00	31	1.99	1.52		72.96	18.86	Grey mottled reddish brown slightly sandy slightly gravelly CLAY
TH11	6	U	1.00	22	2.03	1.66		59.60	18.99	Grey mottled reddish brown slightly sandy slightly gravelly CLAY
TH12	2	U	1.00	26	1.99	1.58		60.10	18.37	Brown mottled grey slightly sandy slightly gravelly CLAY
TH12	3	U	1.00	30	1.91	1.48		73.04	18.35	Brown mottled grey slightly sandy slightly gravelly CLAY
TH12	4	U	1.00	30	1.94	1.50		68.33	18.45	Brown mottled grey slightly sandy CLAY
TH12A	6	U	1.00	26	2.00	1.60		64.45	18.71	Grey slightly sandy CLAY
TH12A	7	U	1.00	24	2.04	1.64		68.29	18.98	Grey slightly sandy CLAY
TH12A	8	U	1.00	24	1.98	1.61		56.50	18.89	Grey slightly sandy CLAY
TH12A	9	U	1.00	24	2.01	1.62		65.07	18.93	Grey slightly sandy CLAY
TH12B	5	U	1.00	19	2.03	1.71		75.08	19.03	Reddish brown slightly sandy CLAY
TH12B	6	U	1.00	20	1.96	1.64		77.03	19.06	Reddish brown slightly sandy CLAY
TH12B	7	U	1.00	19	1.93	1.63		76.08	18.83	Reddish brown slightly sandy CLAY
TH12B	8	U	1.00	19	1.95	1.63		76.74	18.49	Reddish brown slightly sandy CLAY
TH12C	5	U	1.00	19	1.99	1.66		74.98	17.57	Reddish brown slightly gravelly sandy CLAY
TH12C	6	U	1.00	23	2.00	1.63		47.63	17.33	Reddish brown slightly gravelly sandy CLAY
TH12C	7	U	1.00	14	2.06	1.81		37.99	17.74	Reddish brown slightly gravelly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK

 STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By		Date	Contract Ref: 727635 
	[REDACTED] ALAN FROST		23.10.13	
	Contract: Hinkley to Seabank 400kV Connection			

SUMMARY OF THERMAL RESISTIVITY TESTS



In accordance with IEEE-442 and BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Initial Moisture Content %	Initial Bulk Density Mg/m ³	Initial Dry Density Mg/m ³	Thermal Conductivity W/m K	Thermal Resistivity K.cm/W	Soil Temperature °C	Description of Sample
TH12C	8	U	1.00	19	2.11	1.78		64.06	18.29	Reddish brown slightly gravelly sandy CLAY
TH12D1	5	D	1.00	25	1.87	1.50		77.63	17.18	Reddish brown slightly gravelly slightly sandy CLAY
TH12D1	6	U	1.00	32	1.84	1.39		73.74	18.81	Reddish brown slightly sandy CLAY
TH12D1	7	U	1.00	31	1.98	1.51		70.54	19.05	Reddish brown mottled grey slightly sandy slightly gravelly CLAY
TH12D1	8	U	1.00	26	1.98	1.57		65.22	18.99	Reddish brown mottled grey slightly sandy CLAY

Approved Signatories: D. TROWBRIDGE A. FROST M. STOKES S. HANDCOCK



STRUCTURAL SOILS
1a Princess Street
Bedminster
Bristol
BS3 4AG

Compiled By		Date	Contract Ref: 727635 
 ALAN FROST		23.10.13	
Contract: Hinkley to Seabank 400kV Connection			

APPENDIX E

- (i) Contamination Laboratory Test Results
- (ii) Laboratory UKAS Accreditation Certificate

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 13/01859
Issue Number: 1
Date: 07 May, 2013

Client: Structural Soils Bristol
The Old School House
Stillhouse Lane
Bedminster
Bristol
UK
BS3 4EB

Project Manager: SSL Enviro / Will Allwood / Adam Dingle
Project Name: Hinkley to Seabank
Project Ref: 727635
Order No: Not specified
Date Samples Received: 18/03/13
Date Instructions Received: 23/04/13
Date Analysis Completed: 07/05/13

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Analytical Consultant

Envirolab Job Number: 13/01859

Client Project Name: Hinkley to Seabank

Client Project Ref: 727635

Lab Sample ID	13/01859/1	13/01859/2	13/01859/3						Units	Method ref
Client Sample No	8	1	1							
Client Sample ID	BHC3C	BHC4	BHC3A							
Depth to Top	0.70	1.00	1.00							
Depth To Bottom										
Date Sampled	13-Mar-13	12-Mar-13	13-Mar-13							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	3E	3	3							
% Moisture~ _A [#]	16.2	17.1	29.6						% w/w	A-T-044
% Stones >10mm~ _A [#]	<0.1	<0.1	<0.1						% w/w	A-T-044
pH _D ^{M#}	8.24	8.49	7.76						pH	A-T-031s
Sulphate (acid soluble) _D ^{M#}	420	290	220						mg/kg	A-T-028
Cyanide (total) _A ^{M#}	<1	<1	<1						mg/kg	A-T-042sTCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2						mg/kg	A-T-050s
Organic matter _D ^{M#}	1.5	0.3	2.0						% w/w	A-T-032 OM
Arsenic _D ^{M#}	4	4	5						mg/kg	A-T-024
Barium _D [#]	287	113	215						mg/kg	A-T-024
Beryllium _D [#]	1	2	2						mg/kg	A-T-024
Boron (water soluble) _D ^{M#}	<1.0	<1.0	2.1						mg/kg	A-T-027s
Cadmium _D ^{M#}	2.2	1.6	1.6						mg/kg	A-T-024
Copper _D ^{M#}	39	28	31						mg/kg	A-T-024
Chromium _D ^{M#}	34	36	49						mg/kg	A-T-024
Lead _D ^{M#}	56	20	36						mg/kg	A-T-024
Mercury _D	<0.17	0.33	<0.17						mg/kg	A-T-024
Nickel _D ^{M#}	29	29	33						mg/kg	A-T-024
Selenium _D [#]	1	<1	<1						mg/kg	A-T-024
Vanadium _D [#]	42	40	64						mg/kg	A-T-024
Zinc _D ^{M#}	226	117	223						mg/kg	A-T-024

Envirolab Job Number: 13/01859

Client Project Name: Hinkley to Seabank

Client Project Ref: 727635

Lab Sample ID	13/01859/1	13/01859/2	13/01859/3						Units	Method ref
Client Sample No	8	1	1							
Client Sample ID	BHC3C	BHC4	BHC3A							
Depth to Top	0.70	1.00	1.00							
Depth To Bottom										
Date Sampled	13-Mar-13	12-Mar-13	13-Mar-13							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	3E	3	3							
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Total Aliphatics _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-022+23s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-023s
Total Aromatics _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-022+23s
TPH (Ali & Aro) _A [#]	<0.1	<0.1	<0.1						mg/kg	A-T-022+23s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01						mg/kg	A-T-022s

Envirolab Job Number: 13/01859

Client Project Name: Hinkley to Seabank

Client Project Ref: 727635

Lab Sample ID	13/01859/1	13/01859/2	13/01859/3						Units	Method ref
Client Sample No	8	1	1							
Client Sample ID	BHC3C	BHC4	BHC3A							
Depth to Top	0.70	1.00	1.00							
Depth To Bottom										
Date Sampled	13-Mar-13	12-Mar-13	13-Mar-13							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	3E	3	3							
PAH-16 plus Coronene										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02						mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05						mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05						mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07						mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06						mg/kg	A-T-019s
Coronene _A	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04						mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	<0.08						mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01						mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03						mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03						mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	<0.03						mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07						mg/kg	A-T-019s
PAH (total 17) _A	<0.08	<0.08	<0.08						mg/kg	A-T-019s

REPORT NOTES

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

Subscript "A" indicates analysis performed on the sample as received, "D" indicates analysis performed on the dried sample. All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

Superscript "M" indicates method accredited to MCERTS.

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations. If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER.

Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our MCERTS accreditation.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

IS indicates Insufficient sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

United Kingdom Accreditation Service

ACCREDITATION CERTIFICATE



TESTING LABORATORY

No. 1247


Envirolab

is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005
General Requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations specified in the schedule to this certificate, and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated 18 June 2005).

The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued by the United Kingdom Accreditation Service. The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from the UKAS website www.ukas.org.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements. The absence of a schedule on the UKAS website indicates that the accreditation is no longer in force.


Accreditation Manager, United Kingdom Accreditation Service

Initial Accreditation date
02 December 1992

This certificate issued on
11 August 2006

The Department of Trade and Industry (DTI) has entered into a memorandum of understanding with the United Kingdom Accreditation Service (UKAS) through which UKAS is recognised as the national body responsible for assessing and accrediting the competence of organisations in the fields of calibration, testing, inspection and certification of systems, products and persons

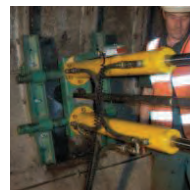
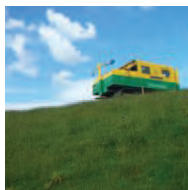
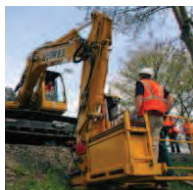
APPENDIX F

(i) Static Cone Penetration Test Report

HINKLEY TO SEABANK

Static CPT (Cone Penetration Test) Report
Cone Resistance
Local Friction
Dynamic Porewater Pressure
Geotechnical Parameters

Contract No: 105654	Issue date: 16th October 2013
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PROJECT:	Hinkley to Seabank
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CLIENT:	Structural Soils
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FIELDWORK

CPT Rig	20 tonne capacity track-truck mounted CPT unit (UK15) and 31 tonne capacity truck mounted CPT unit (UK17)
Operator(s)	Ben Ranson and Walter Geddes
Date started	10 th June 2013
Date completed	25 th July 2013
Lankelma's Project Manager	Chris Dimelow
Client's Site Manager	Will Allwood and Adam Dingle

REPORT

	Revision	Date	Name
Prepared	0	30 th July 2013	Emma Stickland
Checked	0	31 st July 2013	Chris Dimelow
Approved	0	01 st August 2013	Carlton Hall
Revised	1	16 th October 2013	Emma Stickland
Checked	1	16 th October 2013	Chris Dimelow
Approved	1	16 th October 2013	Carlton Hall

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CPT Test Summary

APPENDICES

APPENDIX A General Information

APPENDIX B Cone Penetration Test Results - Raw Data Plots

APPENDIX C Standard Interpretation Results

1 INTRODUCTION

At the request of Structural Soils, a soils investigation was carried out on project *Hinkley to Seabank*.

Site location:

Horsey Lane
Off A39 (near junction 23 of the M5)
Somerset
TA7 8QJ

1.1 COMPLETED WORKS

- 35 cone penetration tests (CPTs) with dynamic pore water measurement
- Provision of a factual report with soil behaviour type and geotechnical parameters

Please refer to the *Tables* section for general testing details and quantities.

2 FIELDWORK

2.1 CONE PENETRATION TESTING

The Cone Penetration Tests were performed with a 20 tonne track-truck mounted CPT unit (UK15) and 31 tonne track mounted CPT unit (UK17), both were equipped with 20 tonne capacity hydraulic ram sets.

An electric piezocone of a type conforming to the requirements of clause 3.1 of BS1377: 1990: Part 9 was used on this project. Cone measurements included cone tip resistance, friction sleeve resistance and dynamic pore water pressure (Piezometer) sampled at a 10mm resolution. Cone maintenance, checks and calibrations were carried out in accordance with recommendations of the International Reference Procedure for CPTU (ISSMGE, 1999). Copies of all calibration certificates for the cones used are presented in Appendix A. Refer to the cone calibration certificates for the cone type and dimensional data.

The filter element was located in the u_2 position between the cone and friction sleeve and was replaced after every test. The pore pressure system was saturated with 1000cSt glycerine oil.

3 POSITIONING

All positions were set out by the Client's representative on site.

4 RAW DATA REDUCTION AND PRESENTATION

The CPT results are presented in Appendix B. The corrected cone resistance (q_t), local side friction, porewater pressure, friction ratio and inclination are all presented against depth and

elevation in accordance with recommendations of the International Reference Procedure for CPTU (ISSMGE, 1999). CPT data and the associated derived geotechnical parameters are included in the AGS 3.1 data file provided.

Penetration length readings are corrected for inclination and sleeve readings are depth corrected for the dimensional offset between cone tip and sleeve during post processing. An additional shift of -80mm is applied to the sleeve to account for tip failure zone offset (see 'CPT Interpretation Notes'). 'Rod spikes' (artefacts of the 1m interval pause for rod string addition) are filtered from the cone tip and sleeve data.

5 INTERPRETATIVE DATA

5.1 IN-SITU STRESS CONDITIONS

The in-situ total and effective stress states are calculated based on an assumed total unit weight of soil of 17.5 kN/m³ and hydrostatic pore pressure state. The depth of the piezometric surface has been assumed at a generic 1.0mBGL across the site based on interpretation of piezocone measurements or other observations by Lankelma. The data are applied in calculation of stress normalised geotechnical parameters.

5.2 SOIL BEHAVIOUR TYPE

The Soil Behaviour Type (SBT) is presented as the Soil Behaviour Type Index, I_c , for both stress-normalised and non-normalised evaluations according to the charts of Robertson (1998 & 2010) applicable to predominantly silicate soils.

The I_c provides a continuous profile of SBT variation with depth such that the end user may choose appropriate stratigraphic subdivisions. The basis of I_c and its approximation of the original chart classification zones may be seen from Appendix A figure 'CPT Soil Behaviour Type Chart'. The loss of fidelity is dominantly in zones 1 (*sensitive fine grained*) and zones 8 & 9 (*overconsolidated or cemented*). To account for this approximation a profile of sensitivity and OCR is provided in the Standard Interpretation Results (see section 'Geotechnical Parameters').

Non-stress normalised SBT index I_c :

$$I_c = \left[\left(3.47 - \log \left(\frac{q_c}{\sigma_{atm}} \right)^2 \right)^2 + (\log R_f + 1.22)^2 \right]^{0.5}$$

Stress-normalised SBT index I_c :

$$I_c = [(3.47 - \log (Q_t)^2)^2 + (\log F_r + 1.22)^2]^{0.5}$$

(See glossary of terms and symbols Appendix A)

The results are presented on the plots of Appendix C - *Standard Interpretation Results*.

5.3 GEOTECHNICAL PARAMETERS

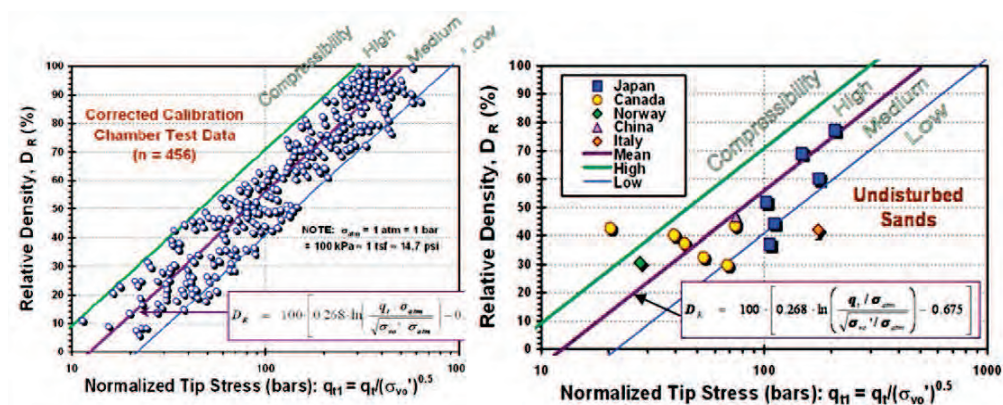
5.3.1 RELATIVE DENSITY

The relative density of sands is calculated based on an empirical relationship proposed by Jamiolkowski *et al.* (2001) based on a large database of undisturbed frozen samples and calibration chamber tests. The expected accuracy may be evaluated from the distribution of calibration data in the figures presented below. The relationship has the following form:

$$D_r = 100 \left[0.268 \cdot \ln \left(\frac{q_t / \sigma_{atm}}{\sqrt{\sigma_{vo}' / \sigma_{atm}}} \right) - k \right]$$

(See glossary of terms and symbols Appendix A)

K = Compressibility dependant constant. For medium compressibility = -0.675 (applied generic value), for high compressibility and sands with significant carbonate or calcareous composition ≤ -1 , for low compressibility ≥ -2.0



Relative density with normalised tip stress and sand compressibility from calibration chamber tests (left) and undisturbed frozen samples (right). Jamiolkowski *et al.* (2001) (Reproduced from NCHRP Synthesis 368 (2007)).

The results are presented on the plots of Appendix C - *Standard Interpretation Results*.

5.3.2 UNDRAINED SHEAR STRENGTH

S_u is estimated from the net cone tip resistance using the following equation:

$$S_u = \frac{[q_c - \sigma_{vo}]}{N_k} \quad (\text{Lunne } et. al. (1981))$$

Where N_k is an empirical cone factor.

Research has shown that the cone factor N_k varies between 11 and 21 for normally to moderately overconsolidated soils with an average value of 15. For moderately to heavily overconsolidated soils the N_k factor may range from 20 to 30+. S_u values are presented for N_k factors of 15 and 20.

The results are presented on the plots of Appendix C - *Standard Interpretation Results*.

5.3.3 OVERCONSOLIDATION RATIO

The preconsolidation stress of clays is calculated based on the method proposed by Mayne (1995) and Demers and Leroueil (2002) and has the following form:

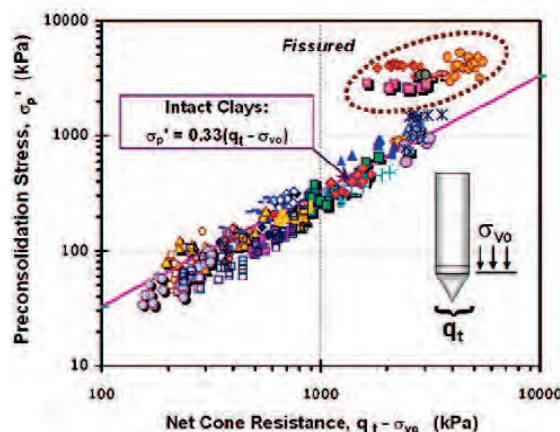
$$\sigma'_p = k \cdot (q_t - \sigma_{v0}) = 0.33(q_t - \sigma_{v0})$$

$$OCR = \sigma'_p / \sigma_{v0}'$$

(See glossary of terms and symbols Appendix A)

The factor k may be expected to lie in the range 0.2 to 0.5 with 0.33 representing the average.

Higher values of k are recommended for aged heavily overconsolidated clays (Robertson, 2009) and may be calibrated accordingly. The figure below demonstrates the expected accuracy of the above methods in prediction of preconsolidation stress, of particular note is the under prediction for fissured clays.



Preconsolidation stress from net cone resistance in clays (Reproduced from Mayne (2007)).

5.3.4 SENSITIVITY

The sensitivity of the soil, as defined by the ratio of undrained shear strength to remoulded shear strength, is calculated using the factored normalised cone resistance (S_u) and remoulded shear strength taken as equal to the direct friction sleeve measurement. The relationship has the following form (Mayne, 2007):

$$s_t = 0.073 \cdot (q_t - \sigma_{v0}) / f_s$$

(See glossary of terms and symbols Appendix A)

The results are presented on the plots of Appendix C - *Standard Interpretation Results*.

6 CPT DATA INTERPRETATION NOTES:

Provided below is an inexhaustive set of cautionary notes on interpretation of the acquired CPT data with reference to examples within the dataset where appropriate.

SOIL BEHAVIOUR TYPE

The soil behaviour type (SBT) as defined by Robertson *et al.* (1986) is not intended to replace soil classification based on particle size fractions. Rather, the SBT will generally show bias in the classification towards the soil fraction that dominates soil behaviour in response to cone penetration (Cone tip: analogous to bearing capacity failure, friction sleeve: analogous to remoulded S_u or simple shear). In general the stress-normalised SBT will be more accurate, but may be less reliable at very shallow depths (1-2m) due to the particular stress normalisation procedure applied.

DRAINED AND UNDRAINED SOIL BEHAVIOUR

Geotechnical parameters appropriate for drained and undrained cone penetration conditions are derived for drained and undrained soil behaviour types (SBTs) respectively, however to account for uncertainty in the SBT correlation with drainage behaviour, all parameters are derived over the range of mixed soil types 'Silt Mixtures' and 'Sand Mixtures' or I_c 2.05-2.95 (Robertson, 2010). For partially drained conditions, or for partially saturated low permeability soils, error will be introduced within derived parameters.

Piezocone dynamic pore water pressures behaviour, dissipations or other site specific observations may be used to identify the appropriate limits of application. Dissipations to t_{50} exceeding 30 seconds indicate undrained penetration behaviour (Kim *et al.*, 2010).

DYNAMIC PORE PRESSURE DATA

During penetration, strong dilation in shear at the cone shoulder may result in cavitation and desaturation of the piezo system and may take time to recover (up to 1m penetration). Penetration through soils of partial saturation will provide unrepresentative readings and may desaturate the piezo system introducing variable error.

CONE TIP AND SLEEVE OFFSET

The accuracy of the SBT is sensitive to offset error in the friction ratio. Penetration through zones of anisotropic soil stiffness may lead to offset of the cone tip and sleeve readings due to variation in the tip failure zone shape/depth. For low to moderate risk projects this is generally insignificant. The friction ratio is often inaccurate in heavily disturbed soils with a 'blocky' macro fabric. An example of the offset effect on the friction ratio may be seen for CPT CLD23 at 22.5m.

For this investigation a friction sleeve depth offset correction of -80mm was applied together with a 5 data point moving average on the friction ratio to minimise the influence of this effect on derived parameters.

CONE TYPE

The reference cone type has a 10cm² projected cone tip area and 150cm² friction sleeve area (S10 cone). In practice it is common to use an alternative cone having a 15cm² tip area with a 200 - 225cm² sleeve area (S15 cone) for improved sensitivity and penetration depth potential. Use of the S15 cone will have the following known influences on data with respect to the reference S10:

- More pronounced transitions zones and thin layer effects (larger zone of influence and failure zone).
- Possible marginal increase in u_2 position dynamic pore pressures in undrained/partially drained penetration.

TRANSITION ZONES AND THIN LAYER EFFECTS

During penetration at the boundary between soils of contrasting stiffness, a transition zone is often evident prior to mobilization of the true soil stiffness. These should be cautiously ignored in assessment of soil behaviour type and parameter evaluation. Where the stiff layer is thin (<-0.5m) the true stiffness will not be fully mobilised. The effect for thin low stiffness layers is less significant. Procedures for thin-layer effect correction are provided by Robertson and Wride (1998). In choosing characteristic values of the tip, sleeve and derived parameter results, large scale peak and trough values may be more representative of the local value.

GRAVELS

The presence of gravel or larger clasts in a soil is often characterised by short peaks in the CPT tip and sleeve readings, possibly with associate inclinometer 'shake' and/or sharp reductions in pore water readings due to dilation effects. Frequent gravels in soft or loose soils may generate highly erroneous friction ratio values. Where gravels are matrix supported the tip and sleeve peaks may be ignored or filtered in choosing characteristic values for bulk behaviour.

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TABLES

CPT Test Summary

HOLE ID	FINAL DEPTH (mBGL)	Cone ID {C=Cone tip; F=Friction Sleeve; I= Inclination; P = Piezo; S=Subtraction cone; 15/10 = cone projected area (cm2) }	CPT RIG	PRE DRILLED / INSPECTION PIT	CASING DEPTH	REFUSAL FACTOR	DISSIPATIONS	SEISMIC CONE	SAMPLES	EASTING	NORTHING	ELEVATION	DATE OF TEST	REMARKS
CPT C2A	16.94	S15-CFIP.908	UK15			Tip load				337815.68	154851.16	6.09	10/06/2013	
CPT C2B	18.60	S15-CFIP.908	UK15			Tip load				337861.17	154840.71	6.46	10/06/2013	
CPT C2C	18.67	S15-CFIP.908	UK15			Tip load				337870.92	154953.17	6.00	10/06/2013	
CPT C2D	18.06	S15-CFIP.908	UK15			Tip load				337910.93	154955.39	6.14	10/06/2013	
CPT C-LD1	20.95	S15-CFIP.944	UK17			Tip load				333979.44	143053.64	5.87	24/07/2013	
CPT C-LD10	23.00	S15-CFIP.944	UK17			Tip load				335974.52	145433.90	5.53	23/07/2013	
CPT C-LD100	7.85	S15-CFIP.819	UK17			Tip load				351000.94	176135.30	9.92	25/07/2013	
CPT C-LD102	10.39	S15-CFIP.819	UK17			Tip load				351512.09	176542.36	12.32	25/07/2013	
CPT C-LD119	12.95	S15-CFIP.908	UK15			Tip load				354025.47	179579.25	7.23	14/06/2013	
CPT C-LD14	30.73	S15-CFIP.944	UK17			Tip load				336393.66	146929.27	4.35	23/07/2013	
CPT C-LD16	24.66	S15-CFIP.944	UK17			Tip load				336657.84	147188.14	5.17	23/07/2013	
CPT C-LD20	17.81	S15-CFIP.944	UK17			Tip load				336592.41	148397.93	5.18	23/07/2013	
CPT C-LD23	25.58	S15-CFIP.944	UK17			Tip load				337124.95	149239.78	5.22	24/07/2013	
CPT C-LD31	27.63	S15-CFIP.944	UK17			Tip load				337403.16	152264.67	5.81	25/07/2013	
CPT C-LD39	8.78	S15-CFIP.908	UK15			Tip load				341566.67	160612.63	6.62	10/06/2013	
CPT C-LD44	13.70	S15-CFIP.908	UK15			Tip load				341710.52	162353.56	4.69	11/06/2013	
CPT C-LD51	12.75	S15-CFIP.908	UK15			Tip load				341540.64	164578.12	5.11	11/06/2013	
CPT C-LD59	15.60	S15-CFIP.908	UK15			Tip load				340867.18	167069.75	5.47	11/06/2013	
CPT C-LD6	25.98	S15-CFIP.944	UK17			Tip load				335321.93	144252.56	5.24	24/07/2013	
CPT C-LD61	11.21	S15-CFIP.908	UK15			Tip load				341321.05	167486.57	5.76	11/06/2013	
CPT C-LD67	12.62	S15-CFIP.908	UK15			Tip load				342993.86	168746.04	4.36	12/06/2013	
CPT C-LD73	8.95	S15-CFIP.908	UK15			Tip load				344854.65	170075.05	4.21	12/06/2013	
CPT C-LD77	6.61	S15-CFIP.908	UK15			Tip load				346047.46	171218.34	4.75	12/06/2013	
CPT C-LD80	3.24	S15-CFIP.908	UK15			Tip load				346391.78	171927.10	22.01	13/06/2013	
CPT C-LD83	0.77	S15-CFIP.908	UK15			Tip load				347468.64	172475.76	60.00	13/06/2013	

CPT C-LD91	0.46	S15-CFIP.908	UK15	Tip load	348781.17	174711.24	37.83	13/06/2013
CPT C-LD92	5.84	S15-CFIP.908	UK15	Tip load	348711.04	174850.70	18.54	13/06/2013
CPT C-LD93	8.74	S15-CFIP.908	UK15	Tip load	348793.68	175142.03	9.44	13/06/2013
CPT C-LD97	8.91	S15-CFIP.819	UK17	Tip load	350060.36	175833.95	5.66	25/07/2013
CPT C-ZG11	7.86	S15-CFIP.944	UK17	Tip load	334401.71	142307.59	4.85	22/07/2013
CPT C-ZG13	21.07	S15-CFIP.944	UK17	Tip load	334783.27	142992.99	5.01	24/07/2013
CPT C-ZG3	12.58	S15-CFIP.944	UK17	Sleeve load	332567.89	140475.11	9.26	22/07/2013
CPT C-ZG5	3.28	S15-CFIP.944	UK17	Tip load	332910.17	140918.97	51.76	22/07/2013
CPT C-ZG7	4.29	S15-CFIP.944	UK17	Tip load	333588.11	141203.07	39.68	22/07/2013
CPT VQ43R	20.64	S15-CFIP.878	UK17	Tip load	331932.81	139630.22	7.78	22/07/2013

CPT Test Plots are presented in Appendix B and C

APPENDIX A GENERAL INFORMATION

LIST OF FIGURES

Description	Pages Included
Cone Calibration Certificate	4
Data Sheet – 20 tonne capacity track-truck mounted CPT unit (UK15) and 31 tonne capacity truck mounted CPT unit (UK17)	2
CPT Soil Behaviour Type Chart	1
Glossary of Terms	1

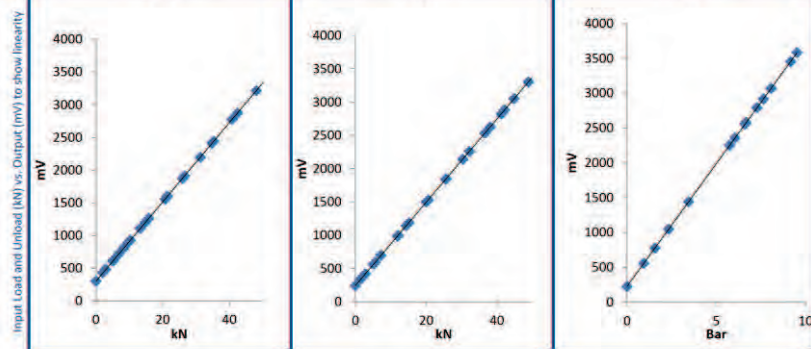
STRUCTURAL SOILS HINKLEY TO SEABANK



		Cone Calibration Certificate	
Cone number	S15-CFIP.878		
Type	Subtraction 150kN, 1500mm ²		
Calibration date	17/05/2013		
Calibration expiry	16/08/2013		
Engineer	A Harman		
		Checked and dated by:	

	Serial number	Last Calibration Date	Max error	Error unit
Load cell	5623	15/03/2013	0.1	% of rec value
DMM (load cell)	096526	28/11/2012	0.017@ 200mV	% of rec value
DMM (cone)	097936	28/11/2012	0.020@ 20V	% of rec value
Power supply	510C0Z4G2	28/11/2012	±0.01 Regulation	% of rec value
Pressure meter	2371385	28/11/2012	+/- 0.01 bar	@ Full range

Load qc [kN]	Output qc [mV]	Load fs [kN]	Output fs [mV]	Load pp [bar]	Output pp [mV]	Inclination [degrees]	Output inc [mV]
0.000	300.8	0.000	239.6	0.00	223.6	0	X 2523
5.333	616.8	1.593	341.1	0.93	554.7		
6.801	712.5	2.861	419.2	1.56	774.5	0	Y 2553
8.280	802.8	5.614	590.7	2.33	1046.5		
10.089	910.3	12.147	992.3	3.45	1439.1		
14.819	1197.6	15.154	1185.7	5.75	2249.8		
20.773	1554.9	20.629	1528.4	6.05	2357.1		
25.966	1870.6	25.725	1846.3	6.67	2578.7		
31.268	2195.0	32.264	2259.2	7.64	2915.6		
35.296	2439.5	38.149	2626.5	9.17	3452.2		
42.420	2869.7	42.179	2880.1	9.53	3580.9		
48.076	3213.7	48.912	3300.9	8.07	3066.6		
53.056	3514.1	53.541	3592.4	7.28	2790.8		
40.829	2776.4	44.861	3051.0	6.61	2554.9		
34.734	2408.5	41.238	2820.8	5.16	2041.7		
26.527	1908.5	36.646	2534.7	3.88	1593.6		
21.418	1599.1	30.369	2141.2	3.24	1366.9		
15.825	1260.4	25.521	1840.3	2.05	948.9		
13.265	1106.6	20.090	1499.5	1.75	841.2		
10.285	927.2	14.359	1141.3	1.54	765.6		
9.604	885.4	11.904	986.0	0.00	223.9		
5.008	611.9	7.224	697.0				
2.844	479.9	5.108	563.2				
2.013	428.6	1.735	353.3				
0.000	300.8	0.000	239.7				
Zeroshift mV	301	240	224				
Zeroshift Difference mV	0.0	-0.1	-0.3				
mV at Nominal	3328	3369	7268				
Best Fit Slope	60.54196233	62.57987029	352.2239476				
Linearity Load	0.999996	0.999995	0.999997				
Linearity Unload	0.999991	0.999997	0.999998				
% Max Hysteresis Error	0.2300	0.1489	0.0531				
Nominal F kN	50	50	20				25
Maximum F kN	150	150	30				25
Calibration No.	3027	3129	7044				



	Dimensional Values in mm					
	Straightness	Sleeve Ø	Sleeve 1/8 diam	Tip Ø	Tip Definition	Crosstalk MQ
Tolerance	0.5mm	43.6 Min.	0.3 Max	43.4 Min.	Qualitative Ass.	Must be None
Actual	0.1	43.88	0.03	43.55	pass	pass
Replaced						

Note : Check all dimensions before testing as the tip and sleeve are consumable items.

STRUCTURAL SOILS HINKLEY TO SEABANK

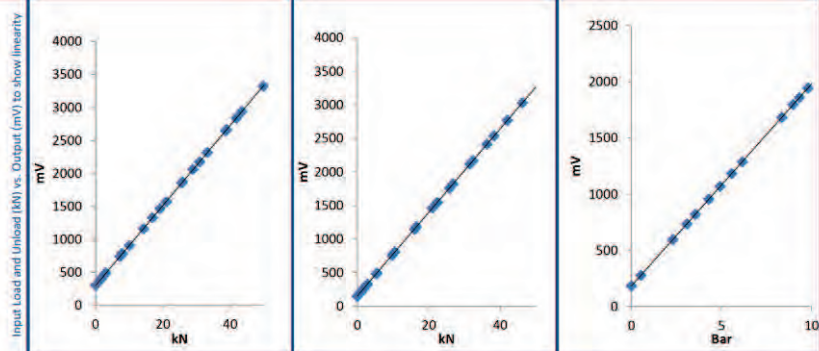


		Cone Calibration Certificate	
Cone number	S15-CFIP.819		
Type	Subtraction 150kN, 1500mm ²		
Calibration date	19/06/2013		
Calibration expiry	18/09/2013		
Engineer	A Harman		
			Checked and dated by:

	Serial number	Last Calibration Date	Max error	Error unit
Load cell	5623	15/03/2013	0.1	% of rec value
DMM (load cell)	096526	28/11/2012	0.017@ 200mV	% of rec value
DMM (cone)	097936	28/11/2012	0.020@ 20V	% of rec value
Power supply	510C024G2	28/11/2012	±0.01 Regulation	% of rec value
Pressure meter	2371385	28/11/2012	±/- 0.01 bar	@ Full range

Load qc [kN]	Output qc [mV]	Load fs [kN]	Output fs [mV]	Load pp [bar]	Output pp [mV]	Inclination [degrees]	Output inc [mV]
0.000	299.8	0.000	146.5	0.00	182.3	0	X 2351
1.375	384.0	1.787	258.5	0.53	277.0		
2.748	472.5	2.887	328.2	2.30	595.4		
7.249	737.6	5.357	479.5	3.08	734.2		
10.051	907.1	9.771	757.0	3.55	819.5		
14.240	1159.8	16.089	1144.7	4.30	954.9	0	Y 2611
21.016	1570.1	22.453	1545.1	4.93	1068.2		
25.821	1867.6	25.848	1758.6	6.16	1287.8		
30.898	2174.0	32.406	2167.0	8.36	1681.9		
38.643	2644.0	36.336	2412.6	9.33	1858.1		
41.773	2835.5	42.033	2769.0	10.85	2131.8		
49.820	3323.8	46.256	3031.0	9.80	1944.0		
54.892	3633.3	55.719	3619.7	8.98	1796.9		
43.371	2936.0	38.278	2537.2	5.57	1182.6		
38.895	2663.2	31.558	2118.1	5.34	1142.6		
33.168	2315.6	26.809	1820.9	4.64	1017.9		
28.936	2060.6	21.041	1463.1	4.32	959.4		
25.590	1854.4	16.572	1185.4	3.40	793.7		
19.133	1466.0	10.488	807.5	2.46	626.7		
16.852	1326.4	5.468	492.8	1.22	405.4		
7.884	785.0	2.277	295.5	0.00	182.8		
2.983	491.2	1.858	264.0				
2.148	433.2	1.162	221.4				
1.571	398.3	0.621	187.6				
0.000	300.1	0.000	146.9				

Zeroshift mV	300	147	182
Zeroshift Difference mV	-0.3	-0.4	-0.5
mV at Nominal	3333	3263	9161
Best Fit Slope	60.66723267	62.32344059	179.5763634
Linearity Load	0.999994	0.999998	0.999998
Linearity Unload	0.999993	0.999994	0.999996
% Max Hysteresis Error	0.2004	0.3080	0.0185
Nominal F kN	50	50	50
Maximum F kN	150	150	70
Calibration No.	3033	3116	8979



	Dimensional Values in mm					
	Straightness	Sleeve Ø	Sleeve 1/10 Ø Min	Tip Ø	Tip Definition	Crosstalk MQ
Tolerance	0.5mm	43.6 Min.	0.3 Max	43.4 Min.	Qualitative Ass.	Must be None
Actual	0.21	43.78	0.09	43.52	pass	pass
Replaced						

Note : Check all dimensions before testing as the tip and sleeve are consumable items.

STRUCTURAL SOILS HINKLEY TO SEABANK

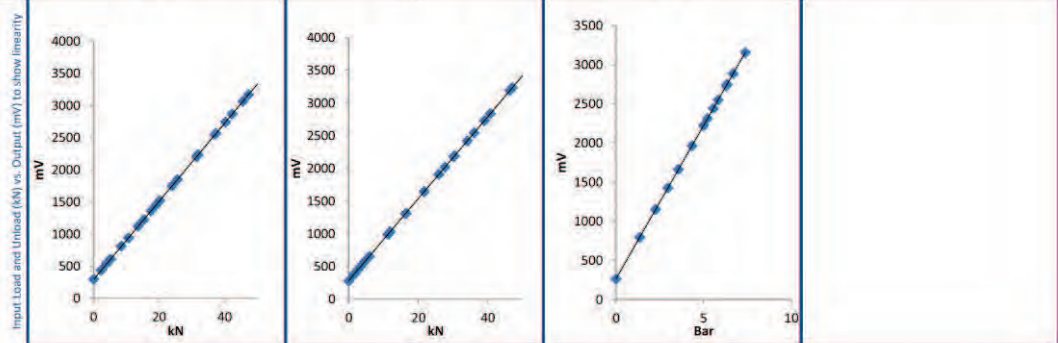


LANKELMA		Cone Calibration Certificate	
Cone number	S15-CFIP.908		
Type	Subtraction 150kN, 1500mm ²		
Calibration date	02/05/2013		
Calibration expiry	01/08/2013		
Engineer	A Harman		
		Checked and dated by:	

	Serial number	Last Calibration Date	Max error	Error unit
Load cell	5623	15/03/2013	0.1	% of rec value
DMM (load cell)	096526	28/11/2012	0.017@ 200mV	% of rec value
DMM (cone)	097936	28/11/2012	0.020@ 20V	% of rec value
Power supply	510C024G2	28/11/2012	≤0.01 Regulation	% of rec value
Pressure meter	2371385	28/11/2012	+/- 0.01 bar	@ Full range

Load qc [kN]	Output qc [mV]	Load fs [kN]	Output fs [mV]	Load pp [bar]	Output pp [mV]	Inclination [degrees]	Output inc [mV]
0.000	295.3	0.000	279.5	0.00	262.2	0	X 2482
2.599	452.1	1.352	367.9	1.36	795.8		
4.180	551.3	3.491	504.2	2.26	1150.0		
5.177	610.7	5.950	652.4	2.96	1426.0		
10.602	939.6	11.319	990.7	3.56	1662.7		
15.282	1219.8	16.513	1312.1	4.34	1964.9	0	Y 2475
19.012	1450.1	21.744	1644.3	5.22	2313.1		
25.536	1846.8	27.663	2018.9	5.82	2550.3		
31.386	2203.3	30.379	2190.9	6.34	2749.7		
37.241	2565.5	34.079	2419.7	6.69	2887.3		
40.185	2742.2	40.708	2836.9	7.38	3156.6		
45.506	3065.4	46.327	3189.7	6.30	2730.5		
50.988	3400.8	50.401	3446.1	5.56	2443.0		
47.199	3167.7	47.060	3234.2	5.00	2222.9		
42.218	2866.7	39.040	2733.1	4.85	2166.4		
36.987	2548.2	36.064	2543.8	4.06	1857.3		
31.855	2234.9	30.204	2177.8	3.86	1779.1		
23.893	1750.0	25.912	1909.5	3.25	1539.5		
20.141	1522.5	21.724	1647.9	2.87	1387.4		
17.498	1360.4	16.353	1309.9	2.66	1305.4		
13.547	1122.6	11.906	1032.2	0.00	261.9		
8.397	811.6	4.476	570.0				
3.857	538.1	2.474	439.9				
2.295	437.6	1.729	392.0				
0.000	295.8	0.000	279.9				

Zeroshift mV	295	280	262
Zeroshift Difference mV	-0.5	-0.4	0.3
mV at Nominal	3338	3417	8108
Best Fit Slope	60.85383802	62.7442035	392.2829753
Linearity Load	0.999995	0.999995	0.999996
Linearity Unload	0.999995	0.999995	0.999993
% Max Hysteresis Error	0.2235	0.4385	0.1265
Nominal F kN	50	50	20
Maximum F kN	150	150	30
Calibration No.	3043	3137	7846



	Dimensional Values in mm					
	Straightness	Sleeve Ø	Sleeve 1/8 Ø diff	Tip Ø	Tip Definition	Crosstalk MQ
Tolerance	0.5mm	43.6 Min.	0.3 Max	43.4 Min.	Qualitative Ass.	Must be None
Actual	0.02	43.95	0	43.6	pass	pass
Replaced						

Note : Check all dimensions before testing as the tip and sleeve are consumable items.

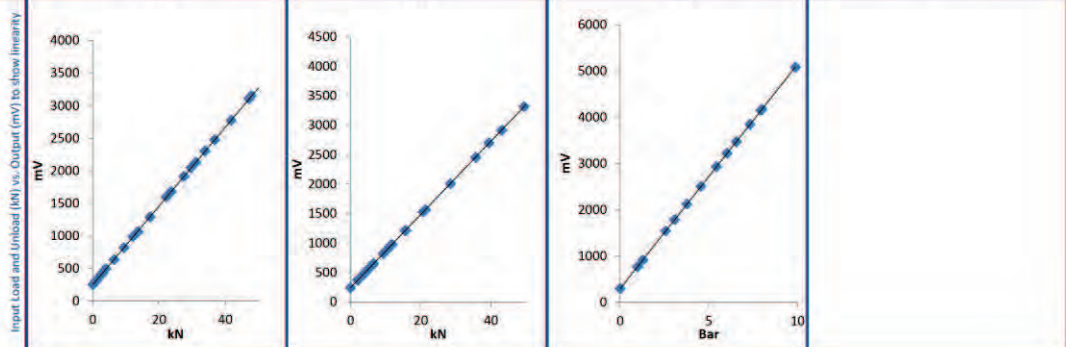
STRUCTURAL SOILS HINKLEY TO SEABANK



		Cone Calibration Certificate	
Cone number	S15-CFIP.944		
Type	Subtraction 150kN, 1500mm ²		
Calibration date	08/07/2013		
Calibration expiry	07/10/2013		
Engineer	A Harman		
Checked and dated by:			

	Serial number	Last Calibration Date	Max error	Error unit
Load cell	47305	17/04/2013	0.1	% of rec value
DMM (load cell)	096526	28/11/2012	0.017@ 200mV	% of rec value
DMM (cone)	097936	28/11/2012	0.020@ 20V	% of rec value
Power supply	510C024G2	28/11/2012	≤0.01 Regulation	% of rec value
Pressure meter	2371385	28/11/2012	+/- 0.01 bar	@ Full range

Load qc [kN]	Output qc [mV]	Load fs [kN]	Output fs [mV]	Load pp [bar]	Output pp [mV]	Inclination [degrees]	Output inc [mV]
0.000	247.7	0.000	236.0	0.00	293.4	0	X 2480
1.329	328.9	2.130	369.9	0.98	765.6		
2.478	398.0	4.144	494.1	1.28	912.2		
6.429	632.8	6.165	618.3	2.56	1537.5		
13.555	1060.1	11.079	921.5	3.07	1781.9		
17.246	1288.4	15.776	1211.8	3.76	2120.7	0	Y 2555
23.642	1676.7	21.358	1560.6	4.55	2500.8		
27.508	1911.6	28.480	2004.8	5.43	2926.2		
31.046	2127.7	35.657	2453.0	6.55	3466.7		
36.807	2475.6	43.068	2911.9	7.95	4147.1		
41.728	2772.7	49.448	3313.6	9.89	5076.2		
47.124	3102.6	55.174	3668.3	8.00	4170.4		
53.166	3467.8	61.554	4066.8	7.32	3843.6		
47.824	3149.6	39.411	2695.9	6.03	3219.4		
33.839	2301.7	20.672	1525.9	5.83	3120.1		
29.611	2045.2	15.578	1209.5	4.06	2262.7		
22.170	1595.9	11.821	973.8	3.72	2096.2		
12.057	986.7	10.937	917.4	3.00	1745.9		
9.365	816.5	9.405	819.7	2.51	1510.1		
3.868	491.9	6.566	648.9	0.92	732.8		
2.999	433.2	5.365	569.7	0.00	293.5		
2.927	426.6	4.689	529.3				
1.230	325.2	3.468	449.7				
0.742	294.4	2.043	366.1				
0.000	248.1	0.000	236.7				
Zeroshift mV	248	236	293				
Zeroshift Difference mV	-0.4	-0.7	-0.1				
mV at Nominal	3275	3347	9985				
Best Fit Slope	60.55008232	62.21517223	484.5589662				
Linearity Load	0.999994	0.999997	0.999994				
Linearity Unload	0.999992	0.999992	0.999997				
% Max Hysteresis Error	0.2418	-0.0287	-0.0826				
Nominal F kN	50	50	20				25
Maximum F kN	150	150	30				25
Calibration No.	3028	3111	9691				



	Dimensional Values in mm					
	Straightness	Sleeve Ø	Sleeve 1/8 Ø diff	Tip Ø	Tip Definition	Crosstalk MΩ
Tolerance	0.5mm	43.6 Min.	0.3 Max	43.4 Min.	Qualitative Ass.	Must be None
Actual	new	new	new	new	pass	pass
Replaced						

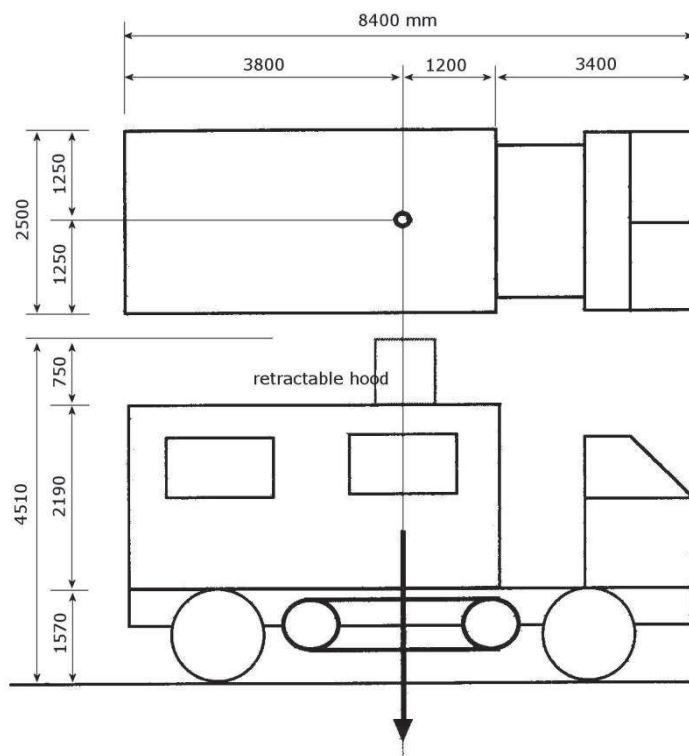
Note : Check all dimensions before testing as the tip and sleeve are consumable items.

UK15



Tracked truck mounted CPT rig 20T test rig

- Highly versatile on site
- Very good on soft and uneven ground
- Ideal rig to limit the risk of abortive site movements
- Robust over rough site surfaces
- Deployment of full suite of cones and test tools – piezocone, pressuremeter, seismic lance, membrane interface probe etc.



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www.lankelma.com

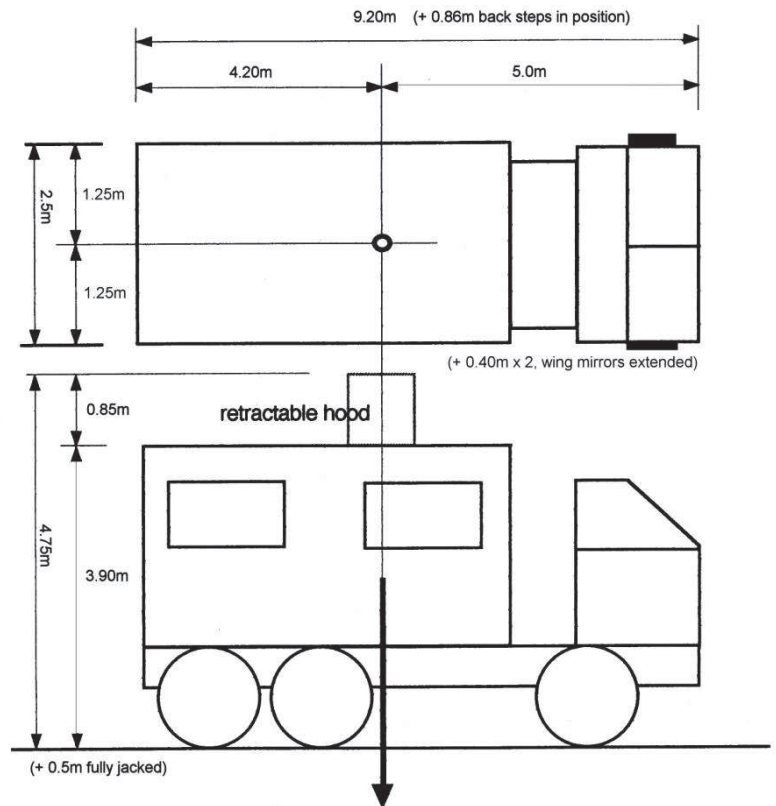
UK17

6 x 6 truck mounted CPT unit

31 tonnes

33 tonnes with ballast

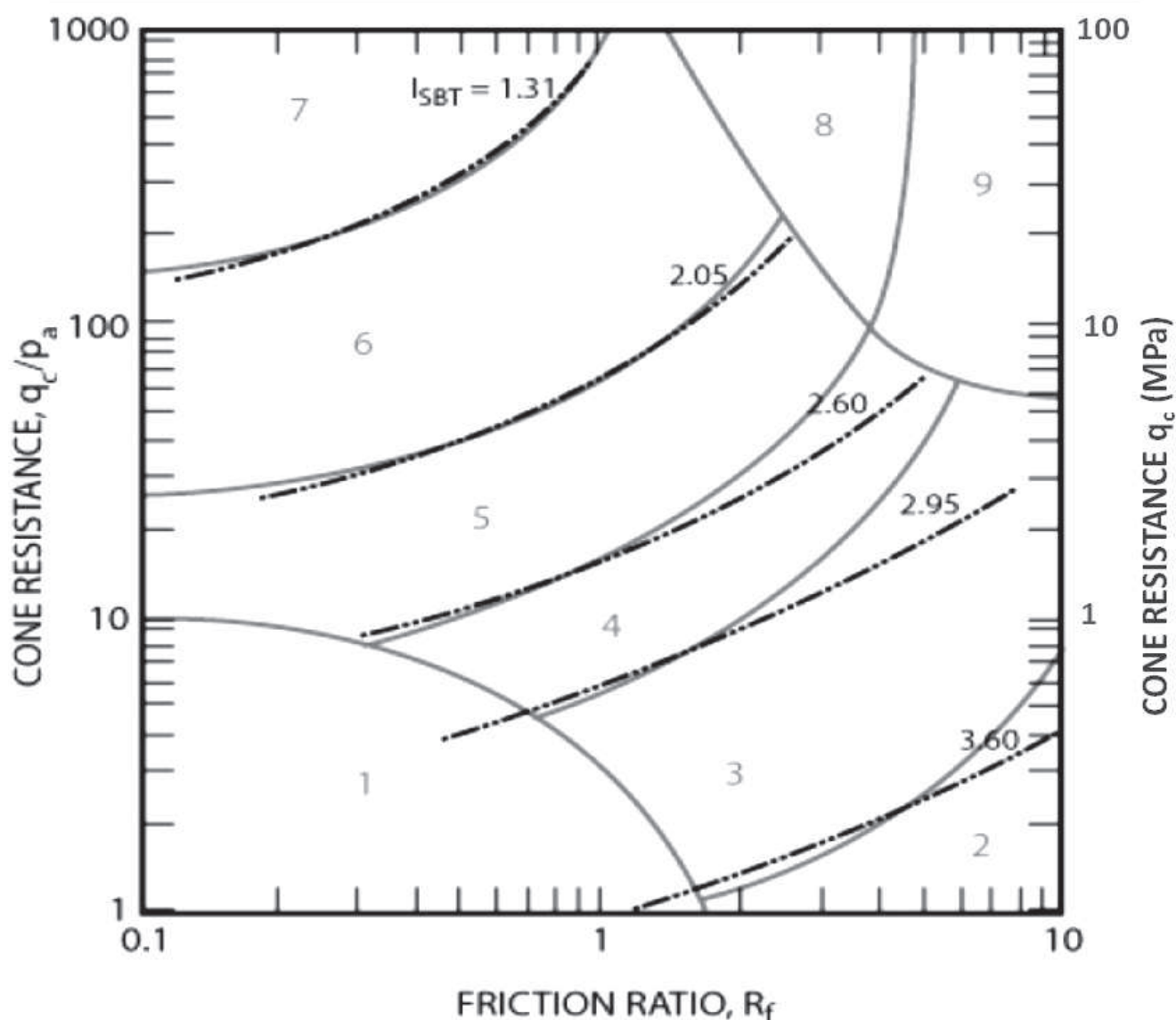
Installation of ground source heat exchangers plus strong ground pushes



Tel: +44 (0)1797 280050 Fax: +44 (0)1797 280195 Email: info@lankelma.com
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CPT SOIL BEHAVIOUR TYPE CHART



Non-normalised SBT chart by Robertson *et al.* (2010) based on dimensionless cone resistance (q_c/p_a) and friction ratio, R_f , showing contours of I_c index. The chart is also applicable to stress-normalised tip/sleeve values Q_t and F_r .

Zone	Soil Behaviour Type (SBT)	
1	Sensitive fine-grained	6 Sands: clean sand to sandy silt
2	Clay – organic soil	7 Dense sand to gravelly sand
3	Clays: Clay to silty clay	8 Stiff sand to clayey sand*
4	Silt mixtures: clayey silt to silty clay	9 Stiff fine grained*
5	Sand mixtures: Silty sand to sandy silt	*Overconsolidated or cemented

GLOSSARY OF CPT TERMS AND SYMBOLS

SYMBOLS

- q_c :-** **Cone resistance.** The total force acting on the cone Q_c , divided by the projected area of the cone, A_c ; ($q_c = Q_c / A_c$).
- f_s :-** **Friction sleeve resistance.** The total frictional force acting on the friction sleeve, F_s , divided by its surface area, A_s . $f_s = F_s / A_s$.
- q_t :-** **Corrected cone resistance.** The cone resistance q_c corrected for unequal pore water pressure effects on the cone face and shoulder.
- R_f :-** **Friction ratio** The ratio, expressed as a percentage, of the sleeve friction, f_s , to the cone resistance, q_c , both measured at the same depth; [$R_f = (f_s / q_c) \cdot 100$].
- Q_t :-** **Stress normalised cone resistance (Method 1)** = $(q_c - \sigma_v) / \sigma'_v$
- q_{t1} :-** **Stress normalised cone resistance (Method 2)** = $(q_t) / (\sigma'_v)^{0.5}$
- F_r :-** **Normalised friction sleeve resistance** = $f_s / (q_c - \sigma_v)$
- σ_v :-** **Total overburden stress**
- σ'_v :-** **Effective overburden stress**
- σ_{atm} , or, P_a :-** **Reference atmospheric stress = 100kPa**
- I_c :-** **Soil Behaviour Type Index**
- B_q :-** **Pore pressure ratio.** The net pore pressure normalized with respect to the net cone resistance. = $(u_2 - u_0) / (q_t - \sigma_v)$

TERMS

Cone Tip:- The conical tip section of the cone penetrometer.

Friction sleeve:- The section of the cone penetrometer upon which the sleeve friction is measured, located behind the cone tip.

Piezcone:- A cone penetrometer with a pore pressure measurement system.

Dynamic pore pressure:- The pore pressure generated during penetration and measured by a pore pressure sensor. u_1 when measured on the conical tip face, u_2 when measured just behind the conical tip.

APPENDIX B CONE PENETRATION TEST RESULTS

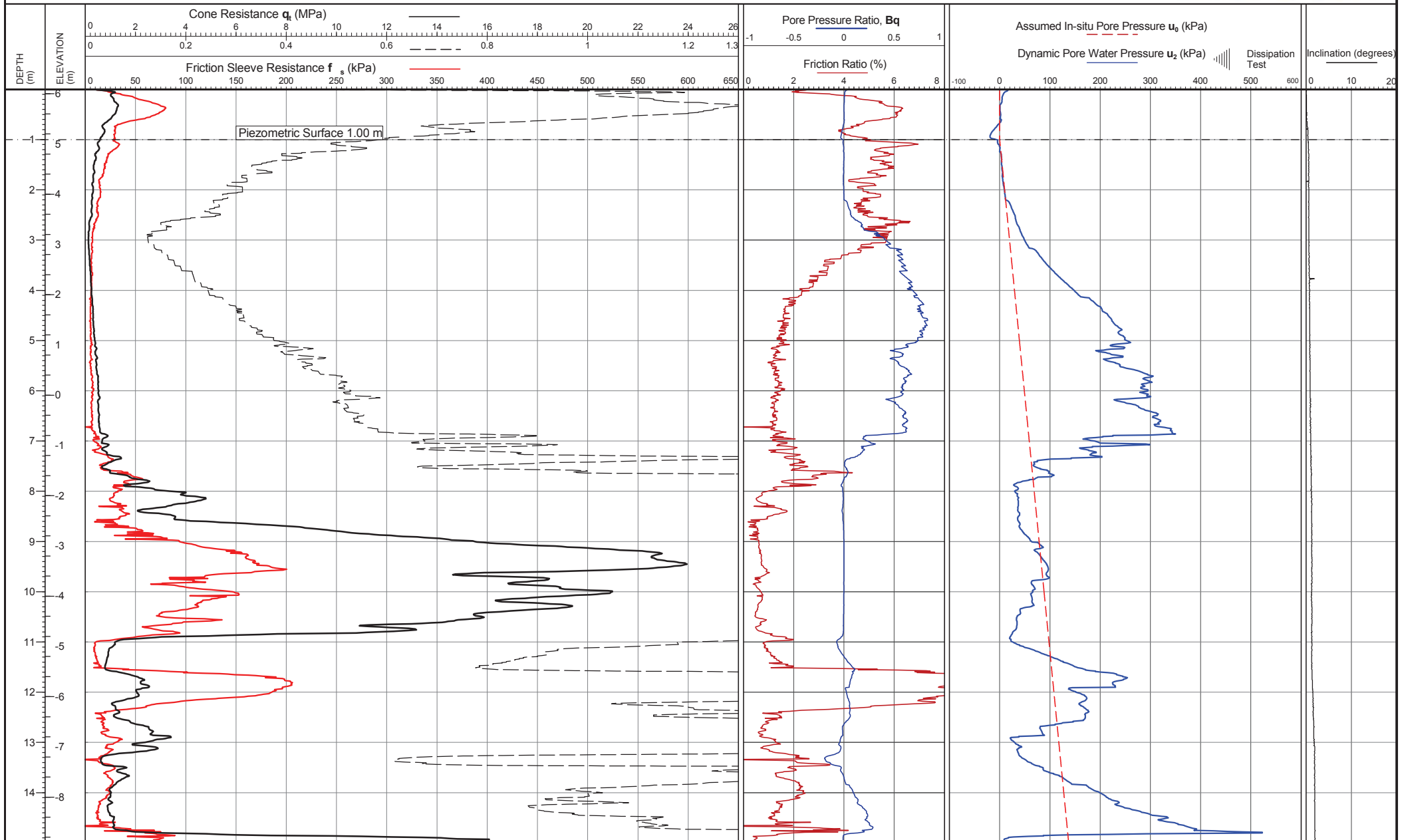
RAW DATA PLOTS

LIST OF FIGURES:

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Cone Penetration Test CPT C2A	2
Cone Penetration Test CPT C2B	2
Cone Penetration Test CPT C2C	2
Cone Penetration Test CPT C2D	2
Cone Penetration Test CPT C-LD1	2
Cone Penetration Test CPT C-LD10	2
Cone Penetration Test CPT C-LD100	1
Cone Penetration Test CPT C-LD102	1
Cone Penetration Test CPT C-LD119	1
Cone Penetration Test CPT C-LD14	2
Cone Penetration Test CPT C-LD16	3
Cone Penetration Test CPT C-LD20	2
Cone Penetration Test CPT C-LD23	2
Cone Penetration Test CPT C-LD31	2
Cone Penetration Test CPT C-LD39	1
Cone Penetration Test CPT C-LD44	1
Cone Penetration Test CPT C-LD51	1
Cone Penetration Test CPT C-LD59	2
Cone Penetration Test CPT C-LD6	2
Cone Penetration Test CPT C-LD61	1
Cone Penetration Test CPT C-LD67	1
Cone Penetration Test CPT C-LD73	1
Cone Penetration Test CPT C-LD77	1
Cone Penetration Test CPT C-LD80	1
Cone Penetration Test CPT C-LD83	1
Cone Penetration Test CPT C-LD91	1
Cone Penetration Test CPT C-LD92	1
Cone Penetration Test CPT C-LD93	1
Cone Penetration Test CPT C-LD97	1
Cone Penetration Test CPT C-ZG11	1
Cone Penetration Test CPT C-ZG13	2
Cone Penetration Test CPT C-ZG3	1
Cone Penetration Test CPT C-ZG5	1
Cone Penetration Test CPT C-ZG7	1
Cone Penetration Test CPT VQ43R	2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:23:26

Location: Somerset
Coordinates: 337815.677, 154851.163
Elevation: 6.088
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

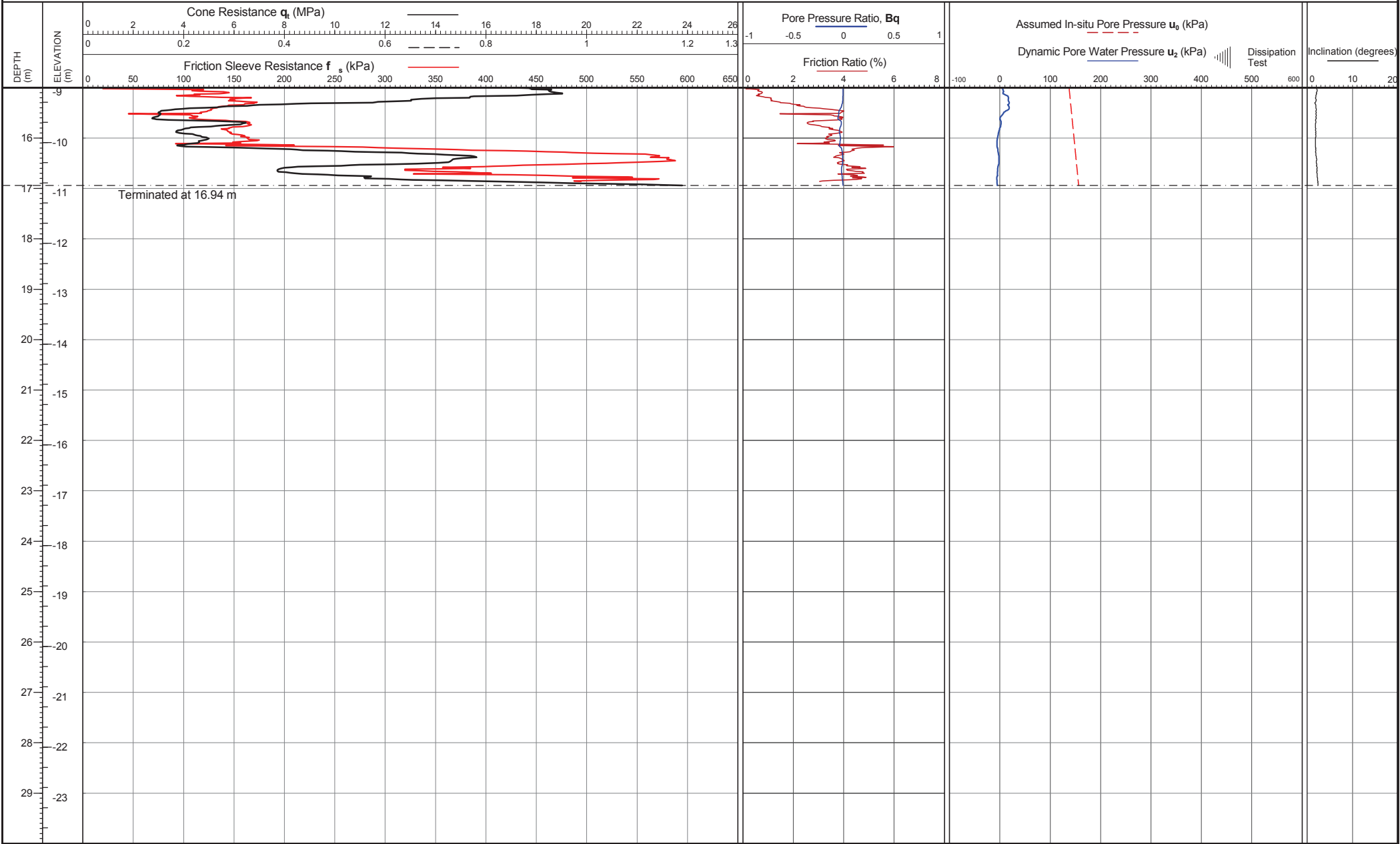
Lankelma Project Ref:
P105654

TEST ID: CPT C2A

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:23:26

Location: Somerset
Coordinates: 337815.677, 154851.163
Elevation: 6.088
Coordinate system:

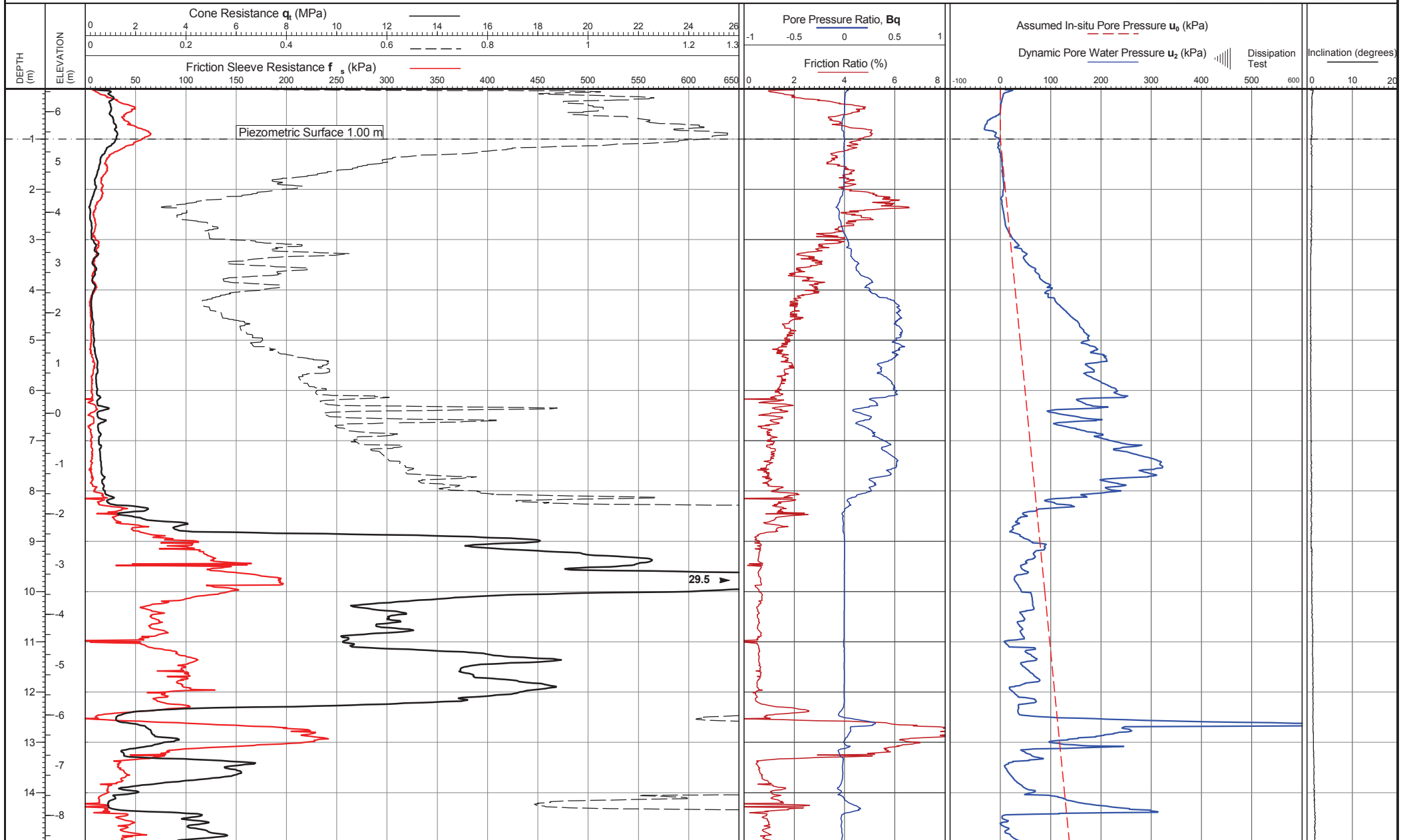
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C2A

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:56:31

Location: Somerset
Coordinates: 337861.165, 154840.711
Elevation: 6.455
Coordinate system:

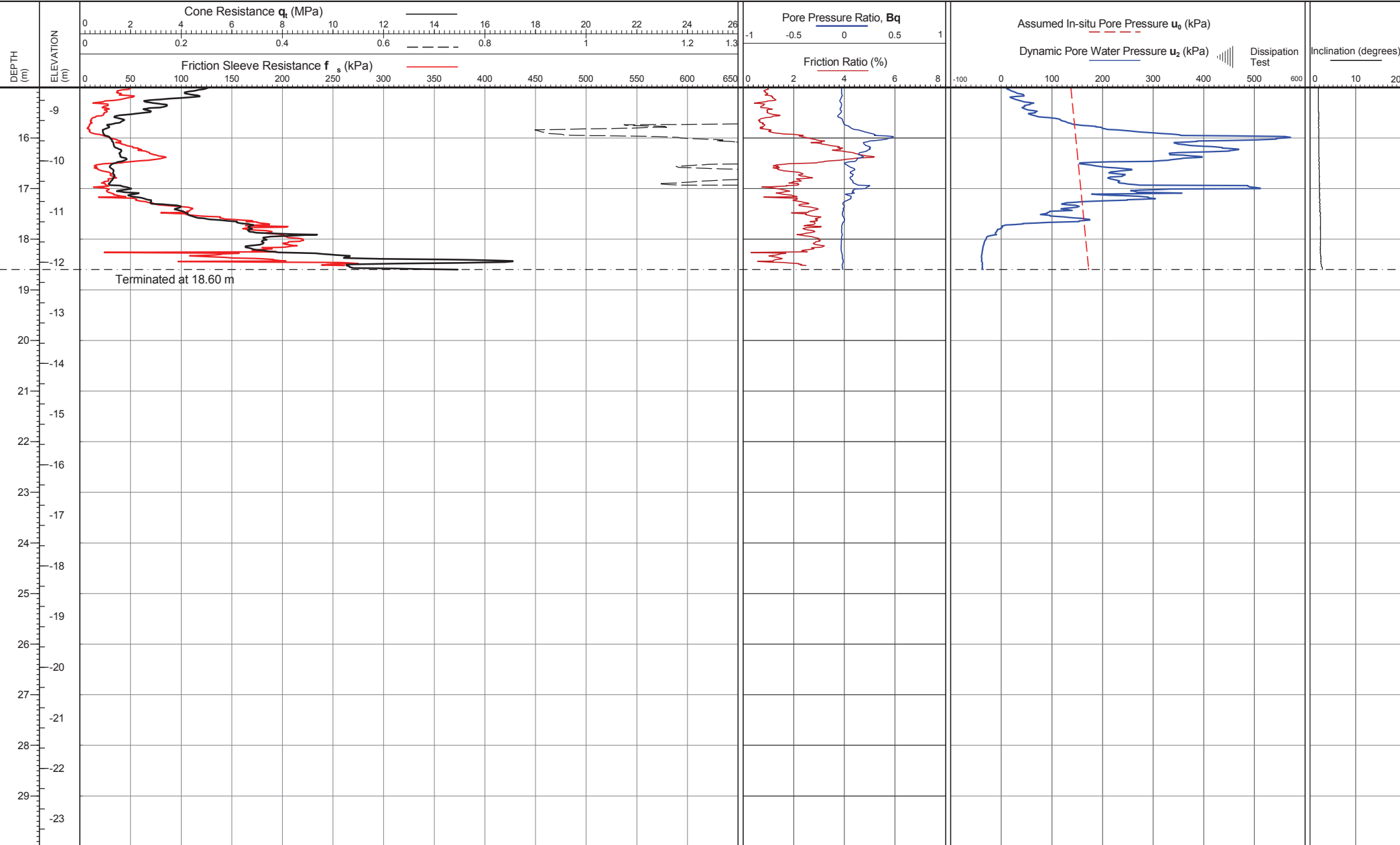
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 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

Lankelma Project Ref:
P105654

TEST ID: CPT C2B

Page 1 of 2



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:56:31

Location: Somerset
Coordinates: 337861.165, 154840.711
Elevation: 6.455
Coordinate system:

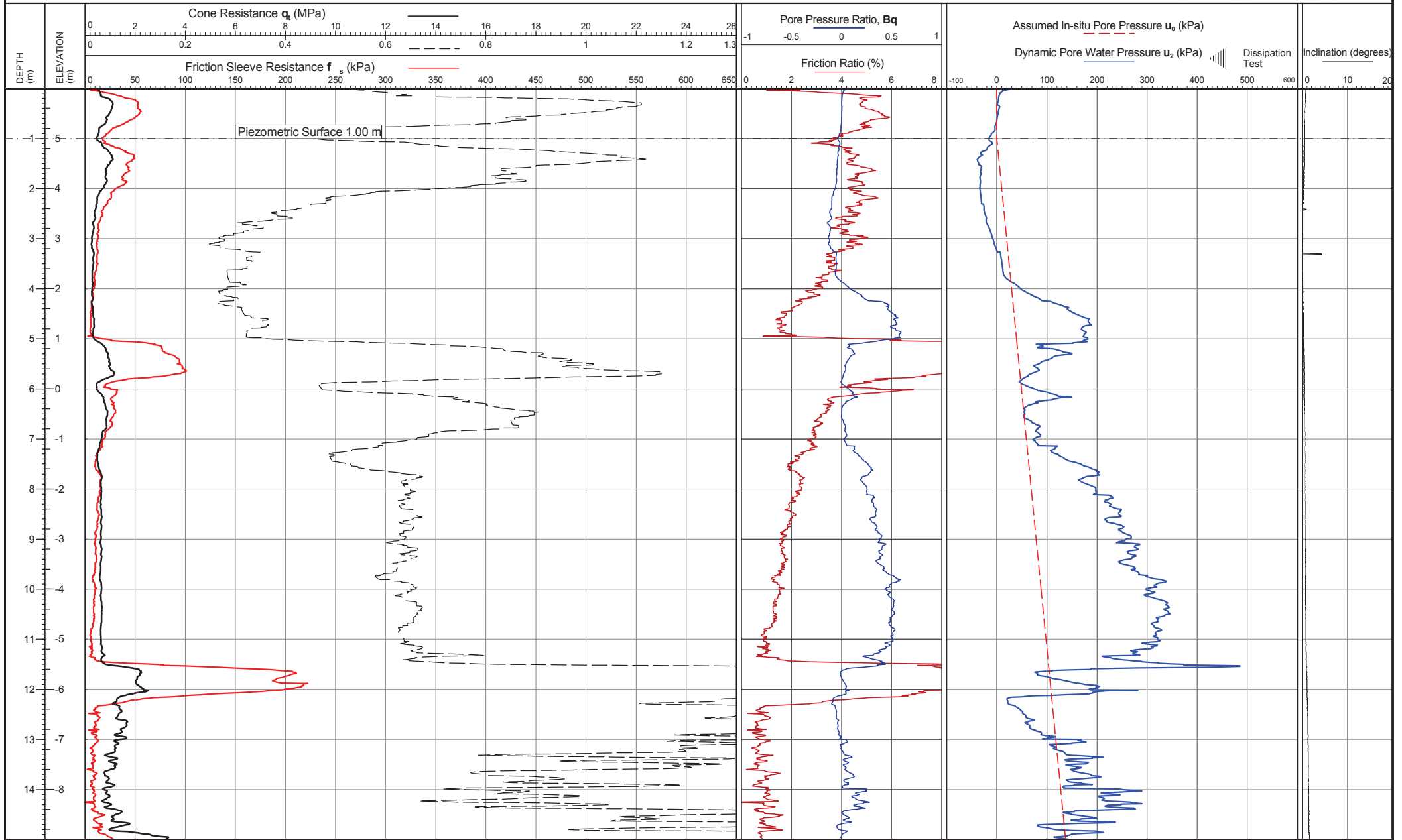
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*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2B

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:48:36

Location: Somerset
Coordinates: 337870.921, 154953.168
Elevation: 5.997
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13

Lankelma Project Ref:
P105654

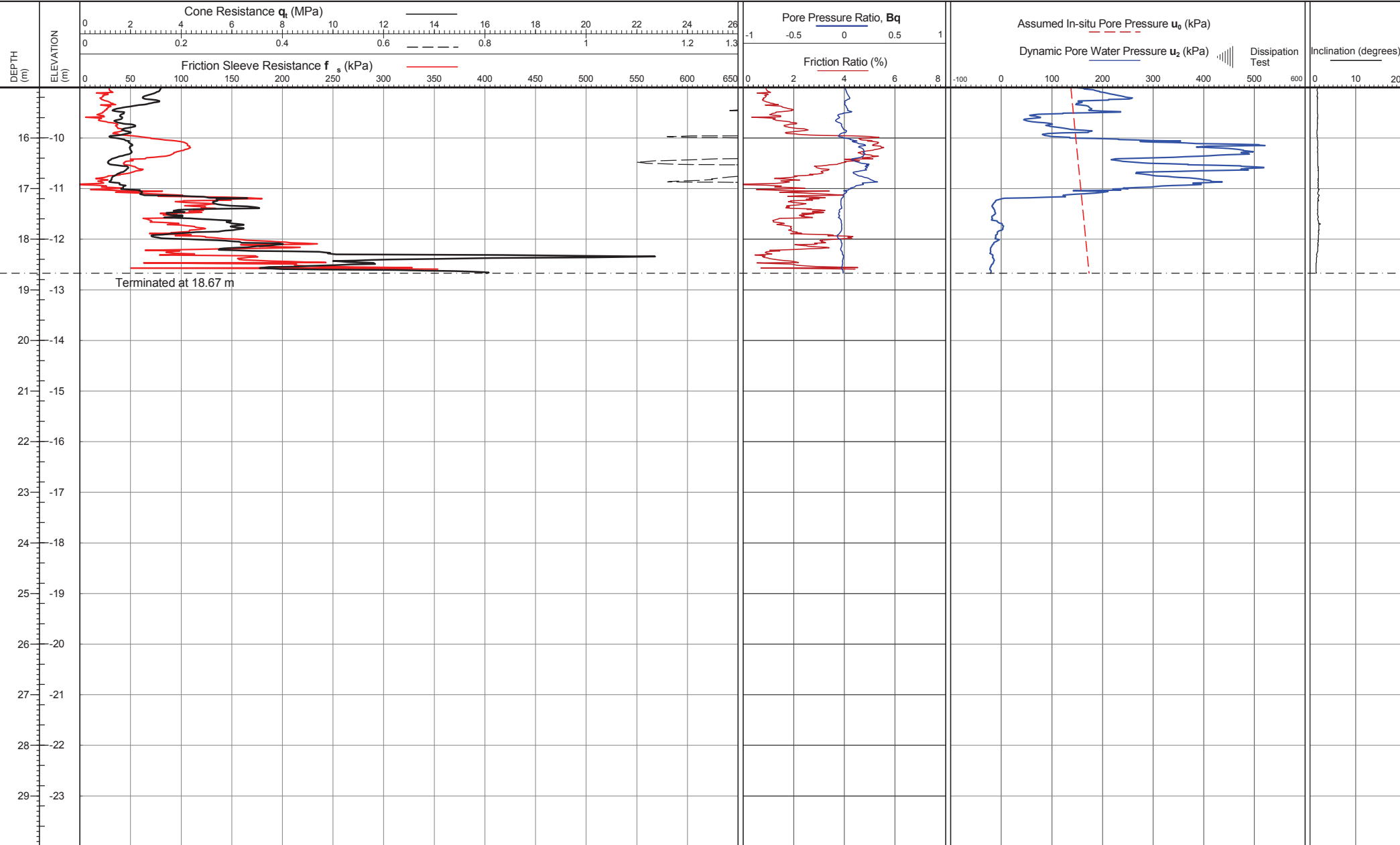
Checked by:
Emma Stickland

TEST ID: CPT C2C

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:48:36

Location: Somerset
Coordinates: 337870.921, 154953.168
Elevation: 5.997
Coordinate system:

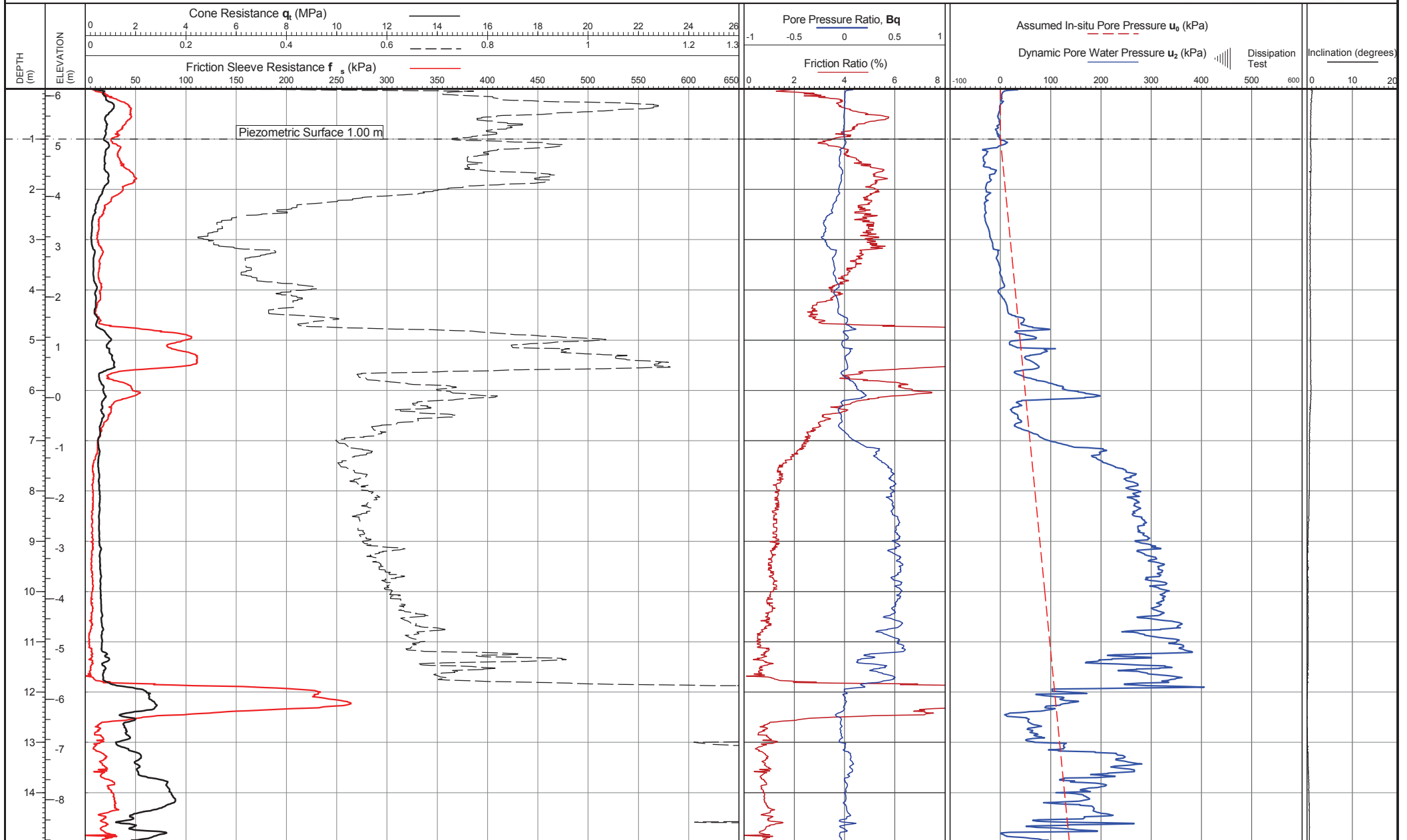
Remarks:
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u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2C

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²): 1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:11:37

Location: Somerset
Coordinates: 337910.926, 154955.393
Elevation: 6.143
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

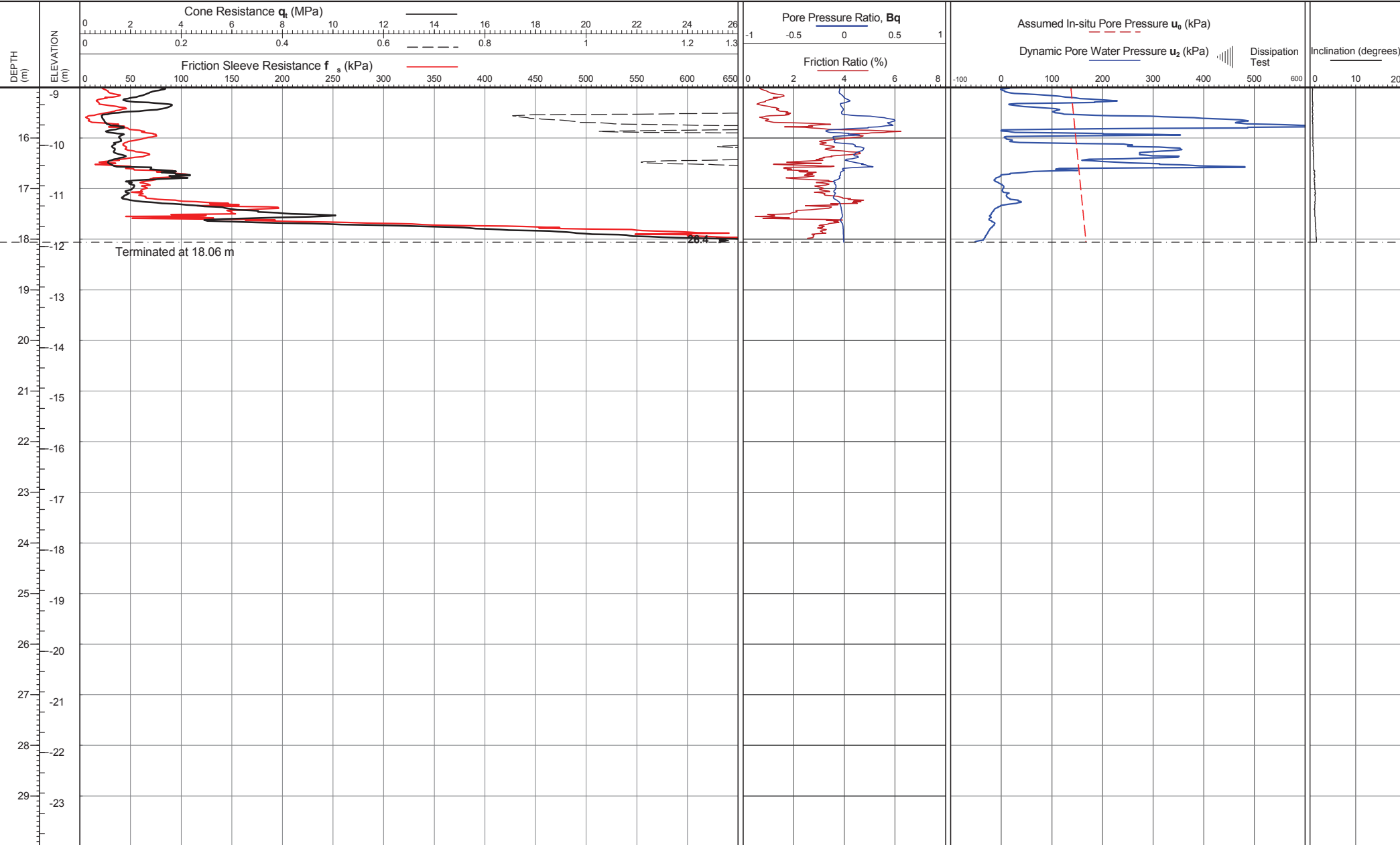
Lankelma Project Ref:
P105654

TEST ID: CPT C2D

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:11:37

Location: Somerset
Coordinates: 337910.926, 154955.393
Elevation: 6.143
Coordinate system:

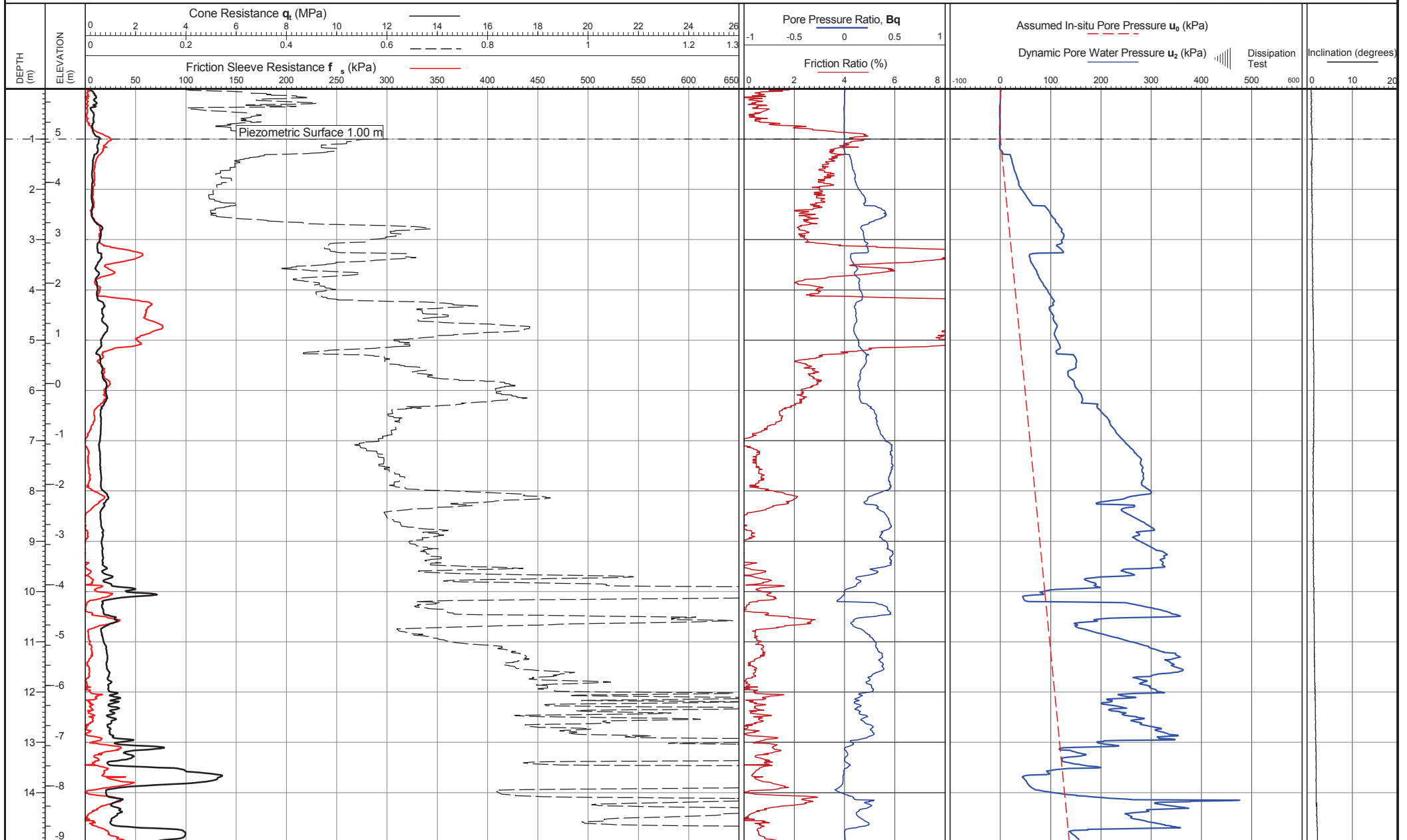
Remarks:
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u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2D

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 11:13:42

Location: Somerset
Coordinates: 333979.439, 143053.643
Elevation: 5.866
Coordinate system:

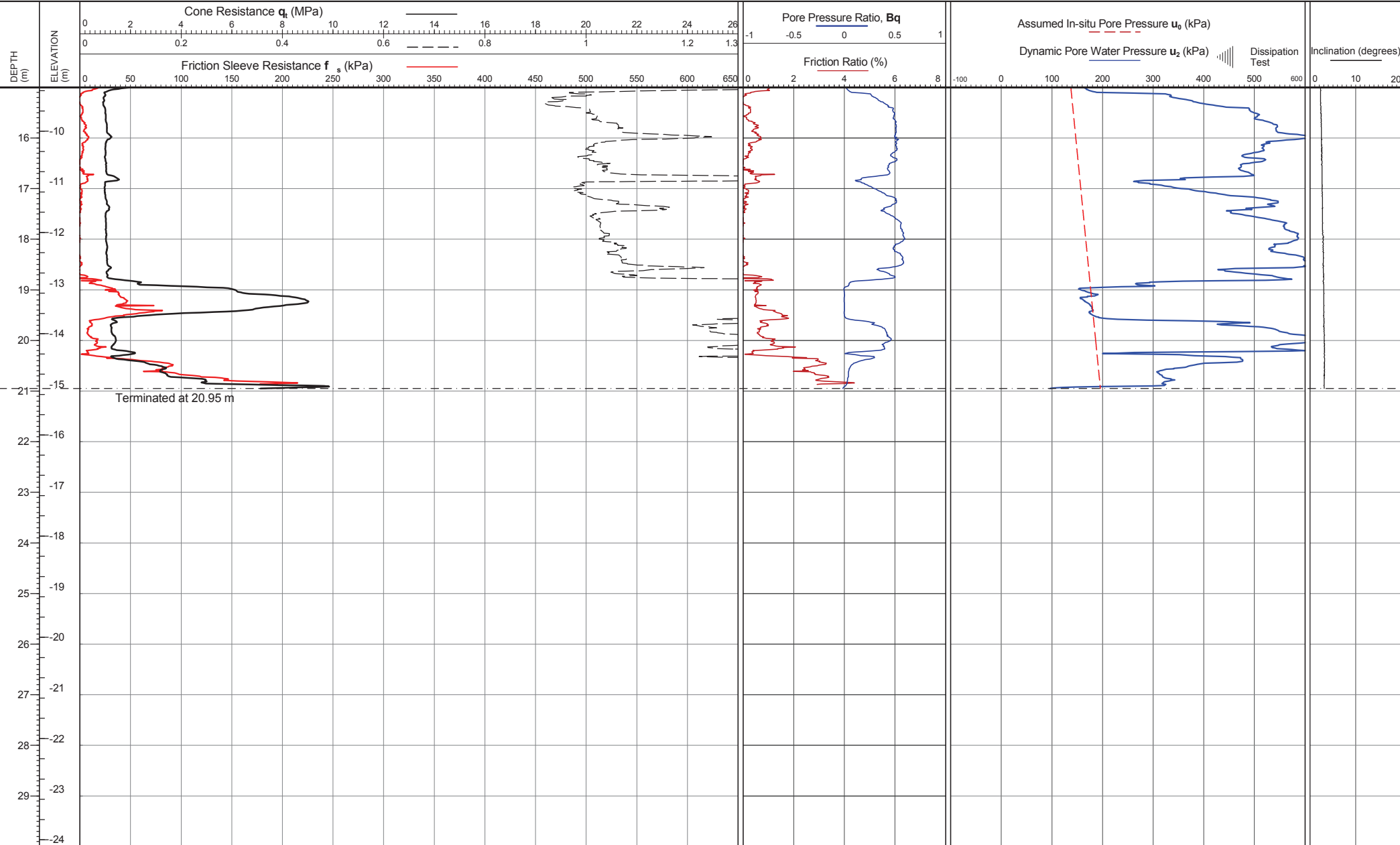
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

Lankelma Project Ref:
P105654

TEST ID: CPT C-LD1

Page 1 of 2



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 11:13:42

Location: Somerset
Coordinates: 333979.439, 143053.643
Elevation: 5.866
Coordinate system:

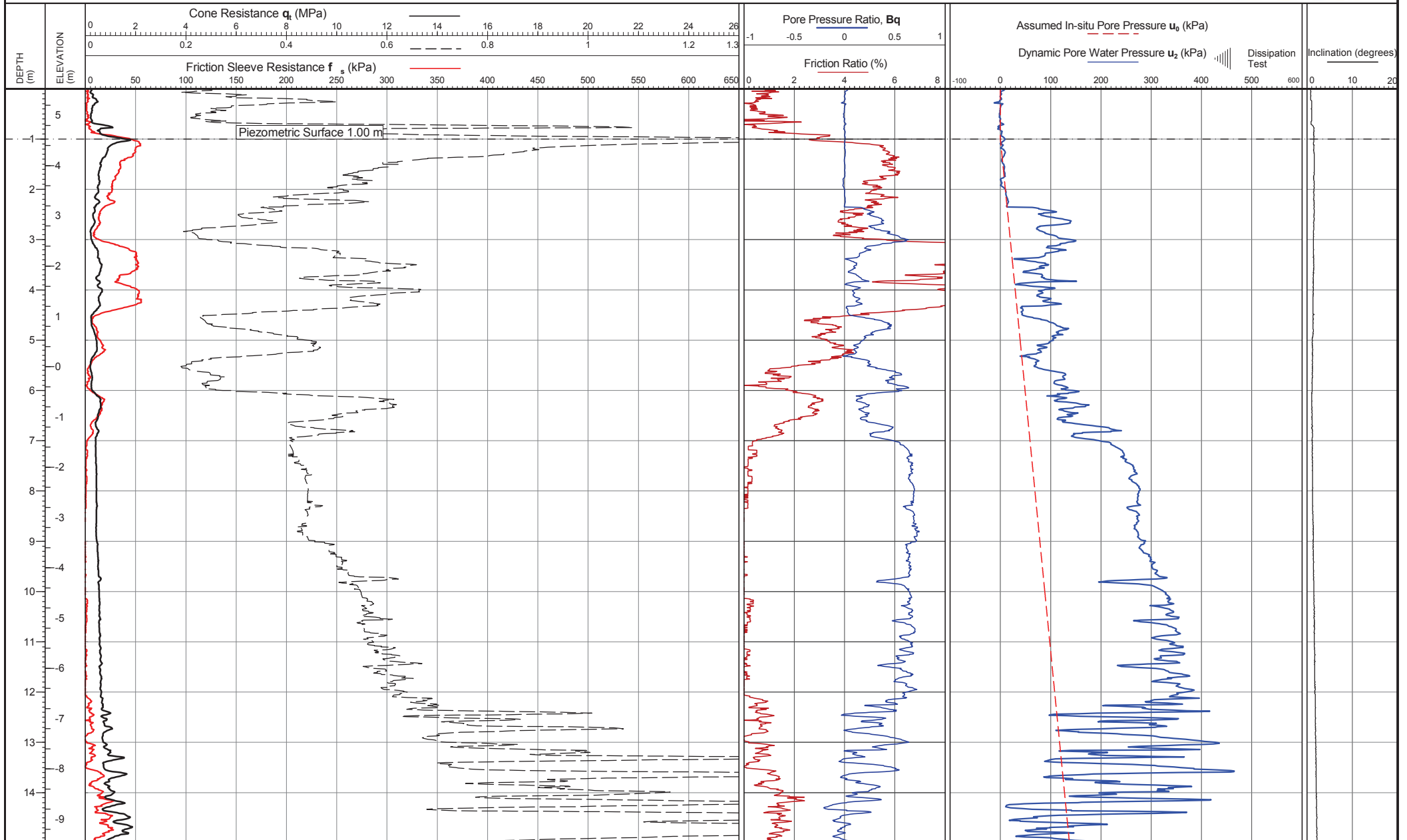
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 09:30:10

Location: Somerset
Coordinates: 335974.524, 145433.904
Elevation: 5.528
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

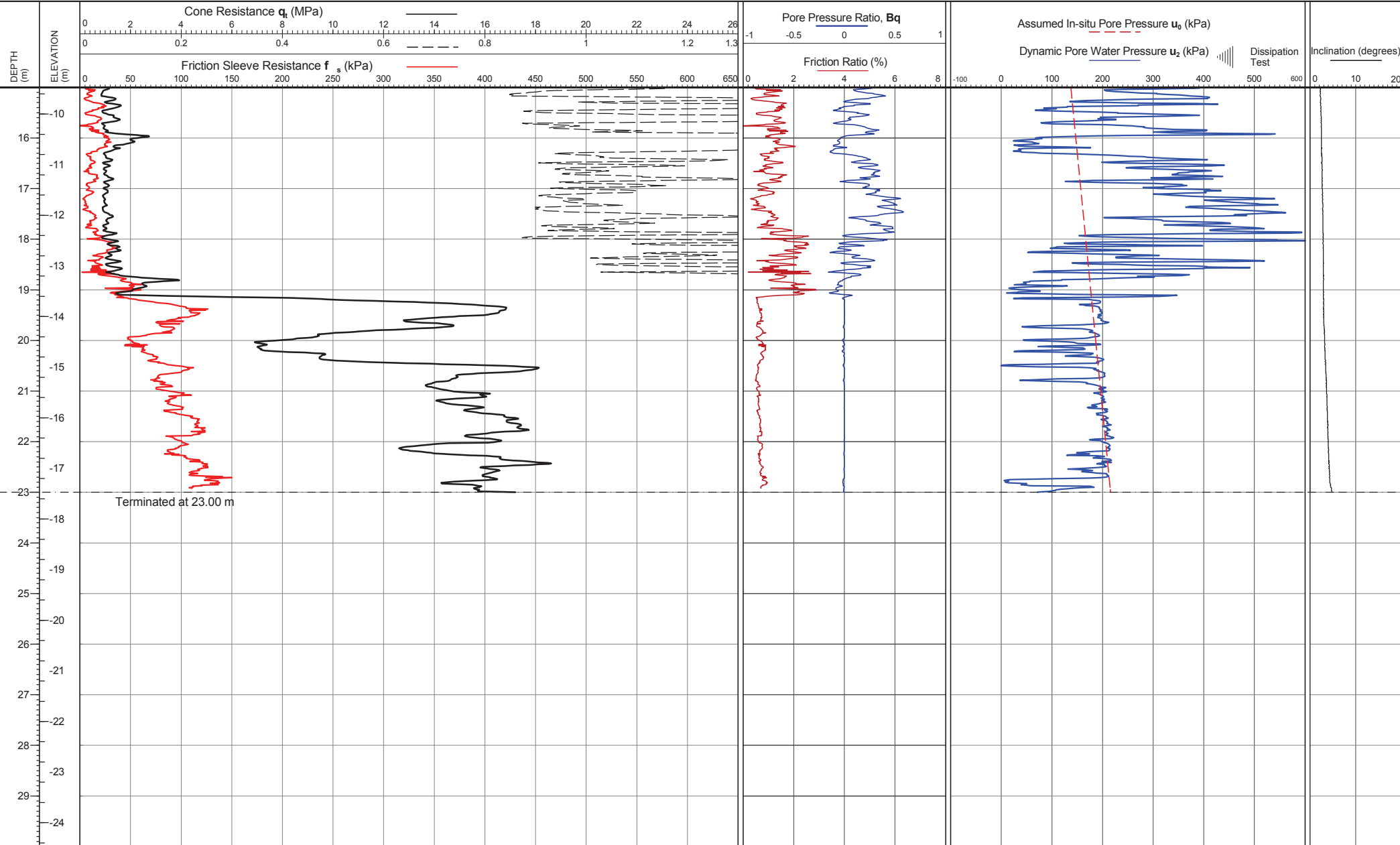
Lankelma Project Ref:
P105654

TEST ID: CPT C-LD10

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



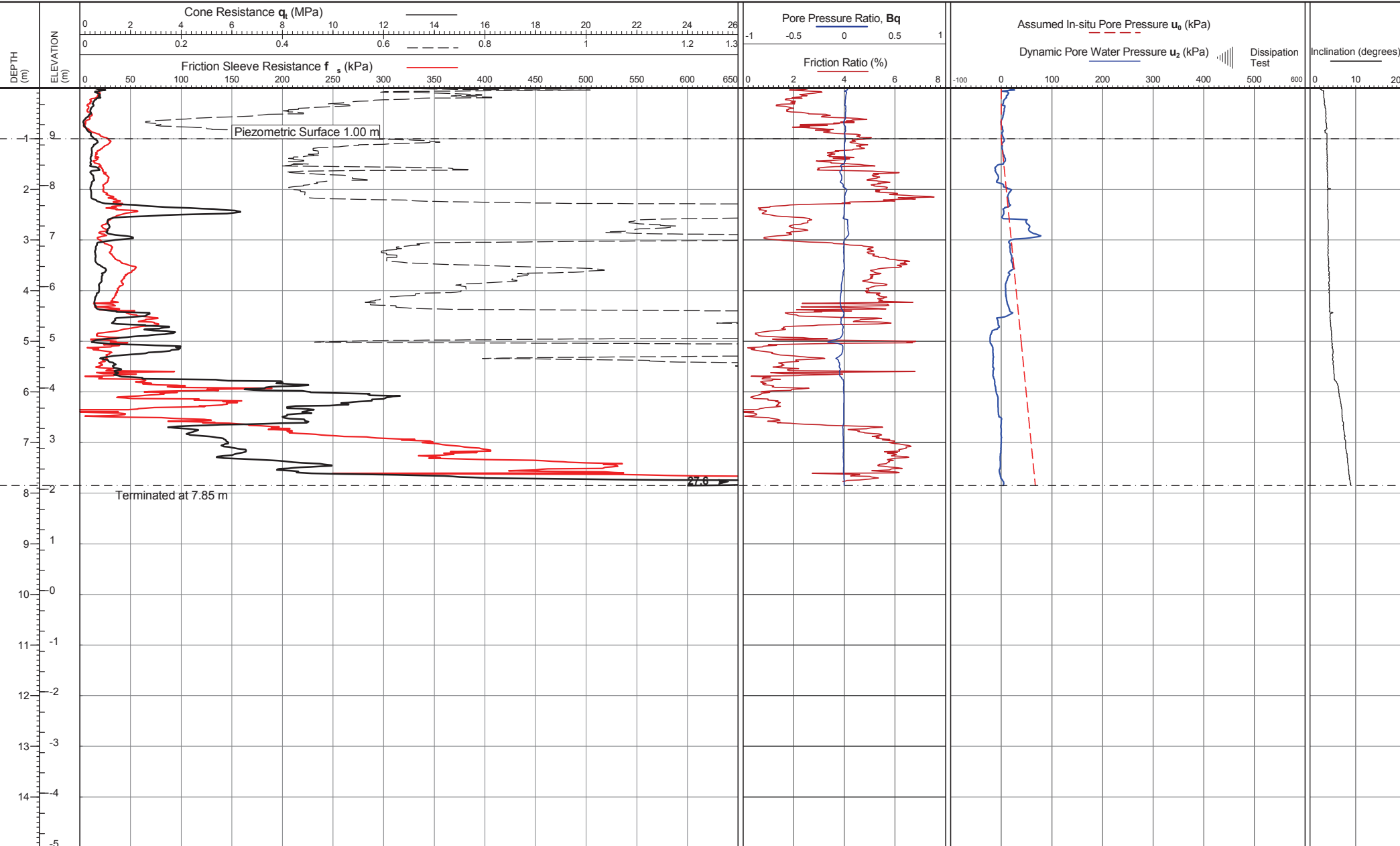
Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 09:30:10

Location: Somerset
Coordinates: 335974.524, 145433.904
Elevation: 5.528
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD10



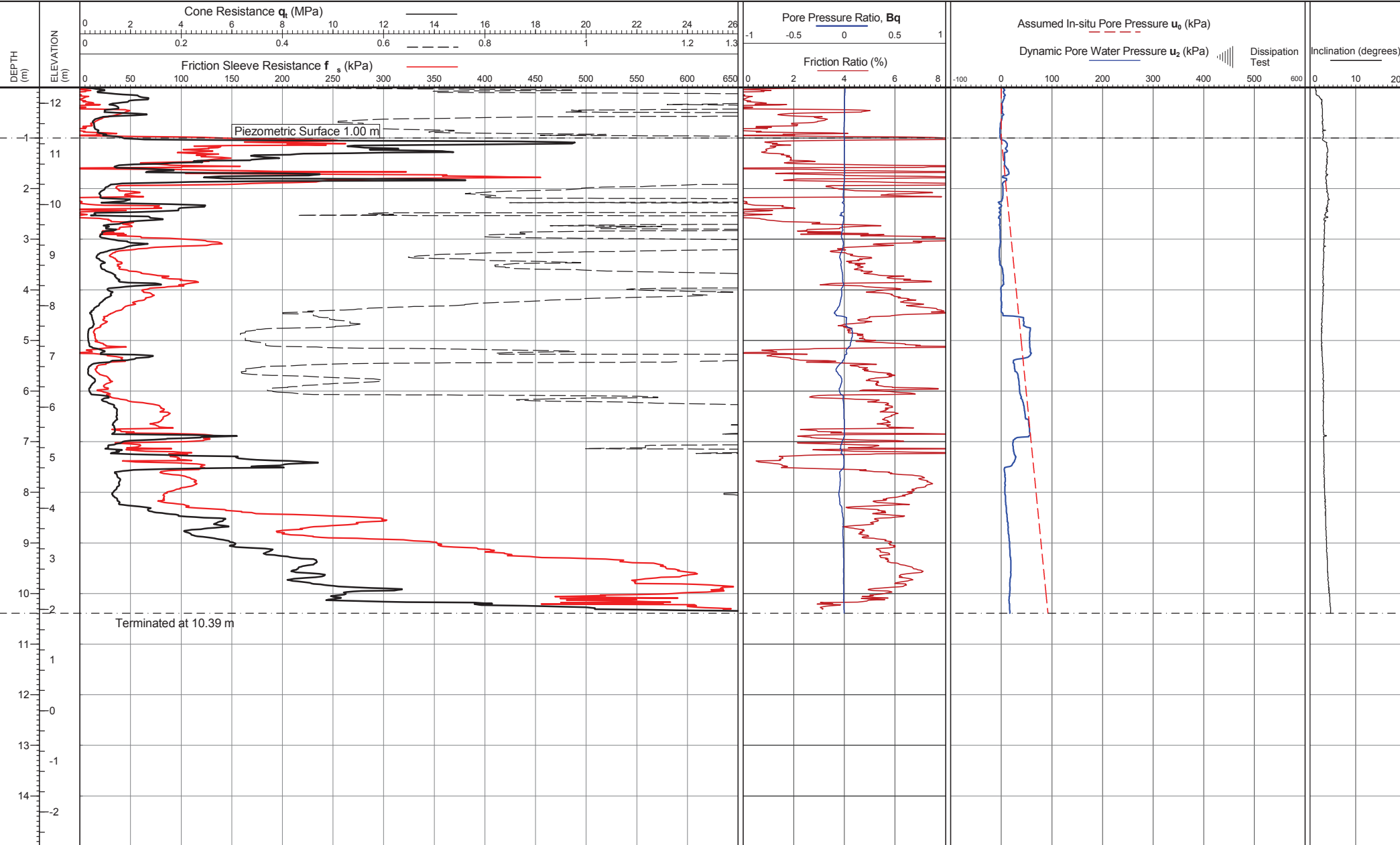
Cone area (mm²):1500
Cone ID: S15-CFIP.819
Operator: Ben Ranson
Date of test: 25/07/2013 14:44:05

Location: Somerset
Coordinates: 351000.939, 176135.297
Elevation: 9.923
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD100



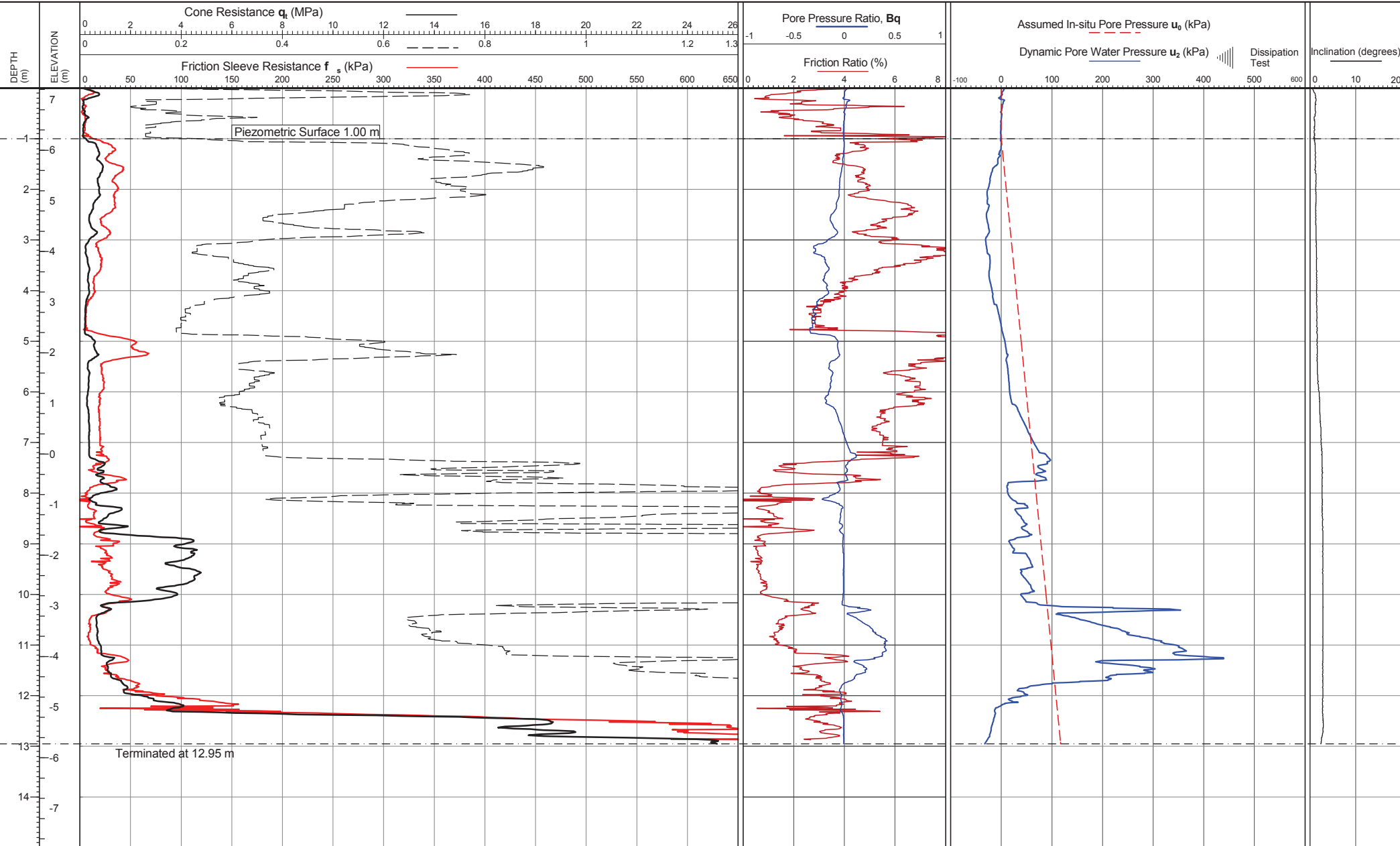
Cone area (mm²):1500
Cone ID: S15-CFIP.819
Operator: Ben Ranson
Date of test: 25/07/2013 13:25:09

Location: Somerset
Coordinates: 351512.088, 176542.364
Elevation: 12.316
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD102



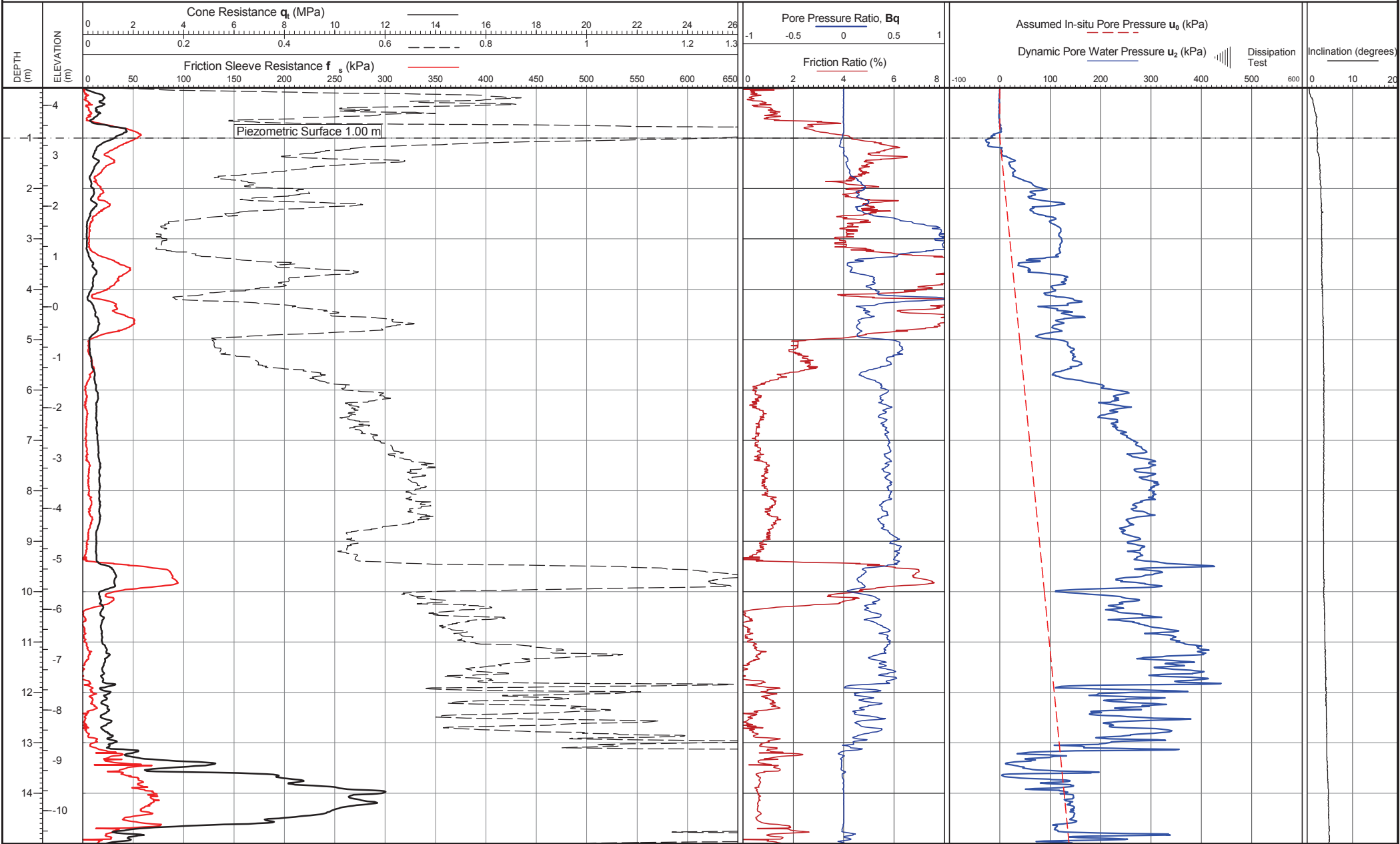
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 14/06/2013 12:54:11

Location: Somerset
Coordinates: 354025.472, 179579.245
Elevation: 7.228
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD119



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 23/07/2013 11:23:52

Location: Somerset
Coordinates: 336393.663, 146929.266
Elevation: 4.35
Coordinate system:

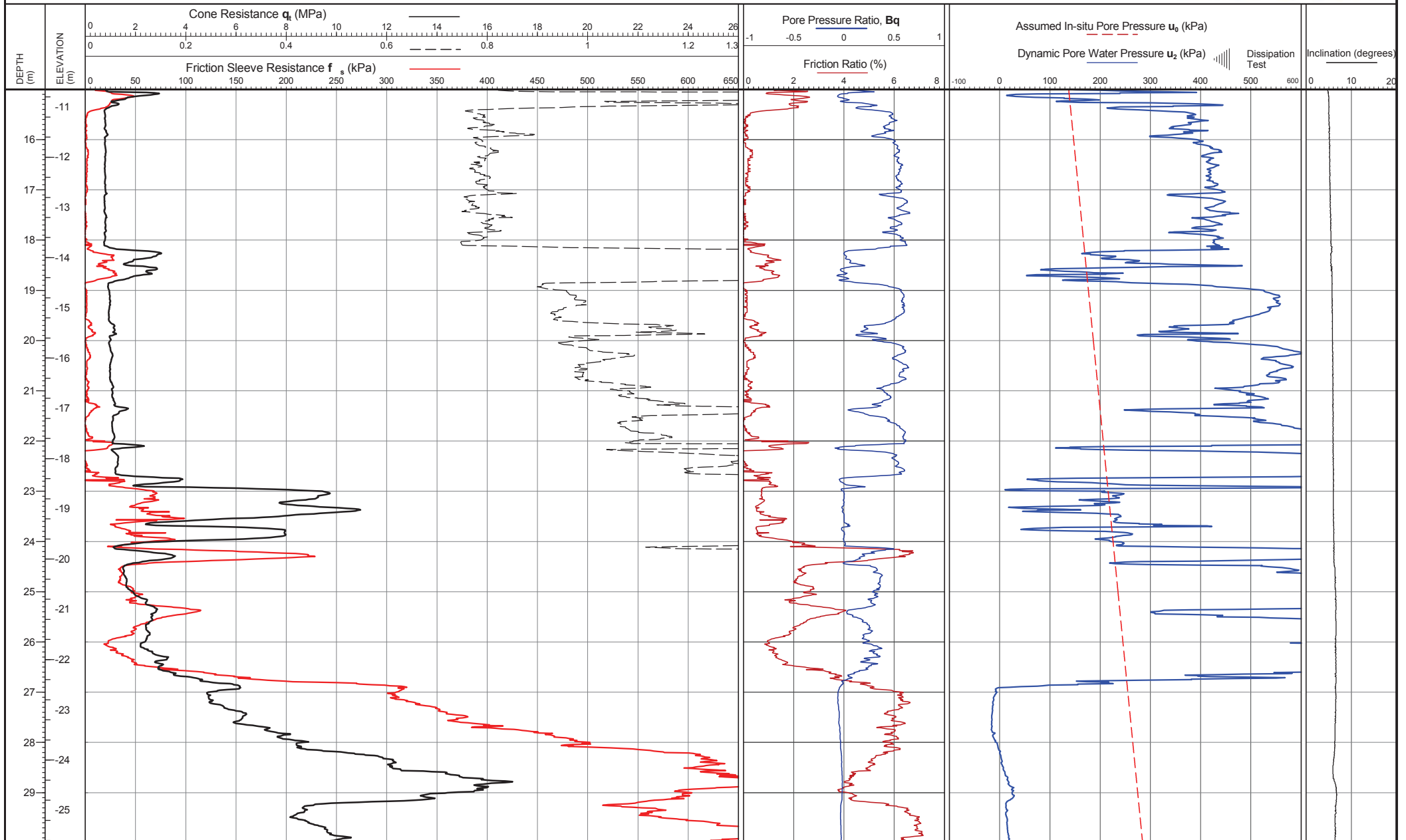
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD14

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 23/07/2013 11:23:52

Location: Somerset
Coordinates: 336393.663, 146929.266
Elevation: 4.35
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

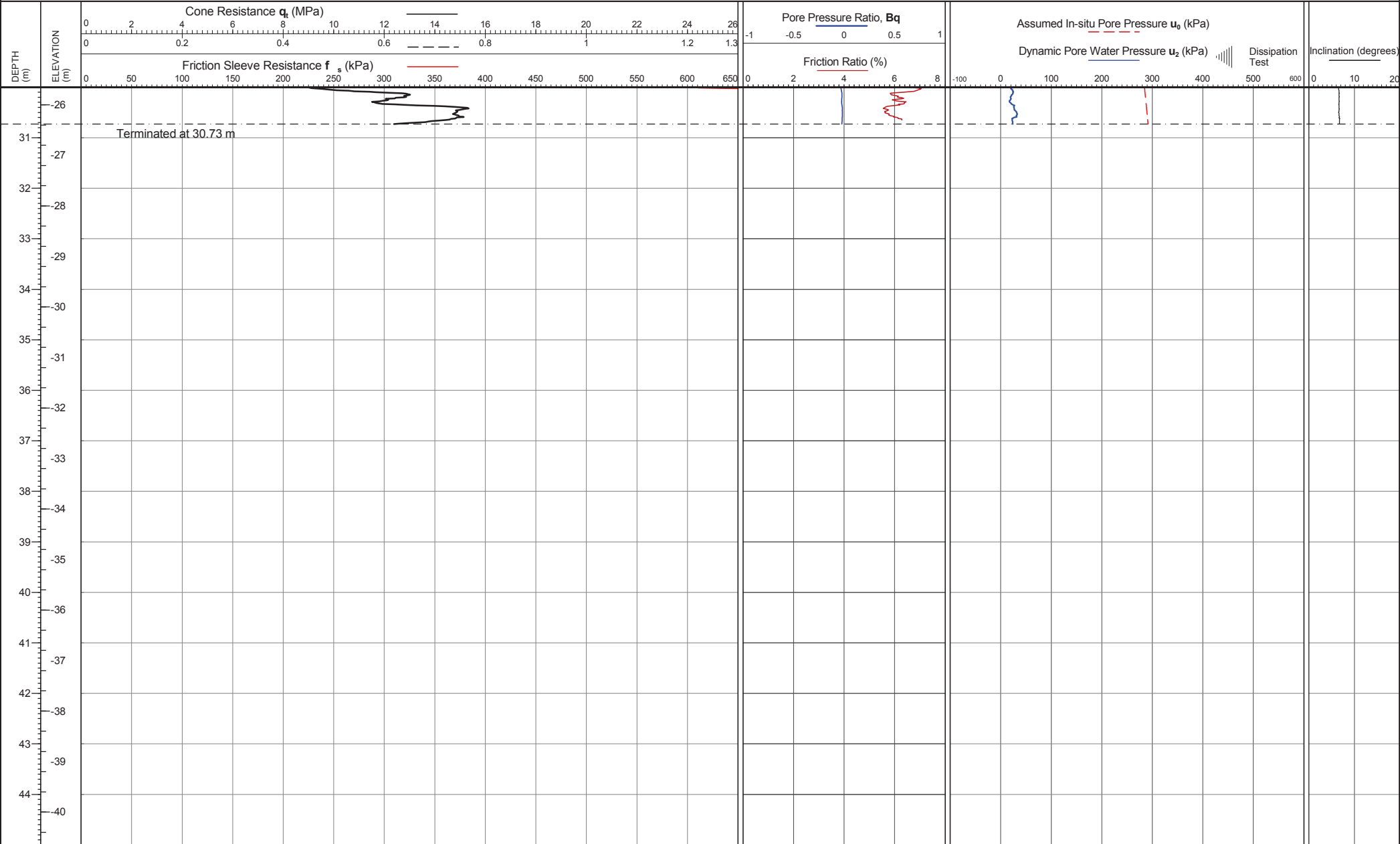
Lankelma Project Ref:
P105654

TEST ID: CPT C-LD14

Page 2 of 3

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 23/07/2013 11:23:52

Location: Somerset
Coordinates: 336393.663, 146929.266
Elevation: 4.35
Coordinate system:

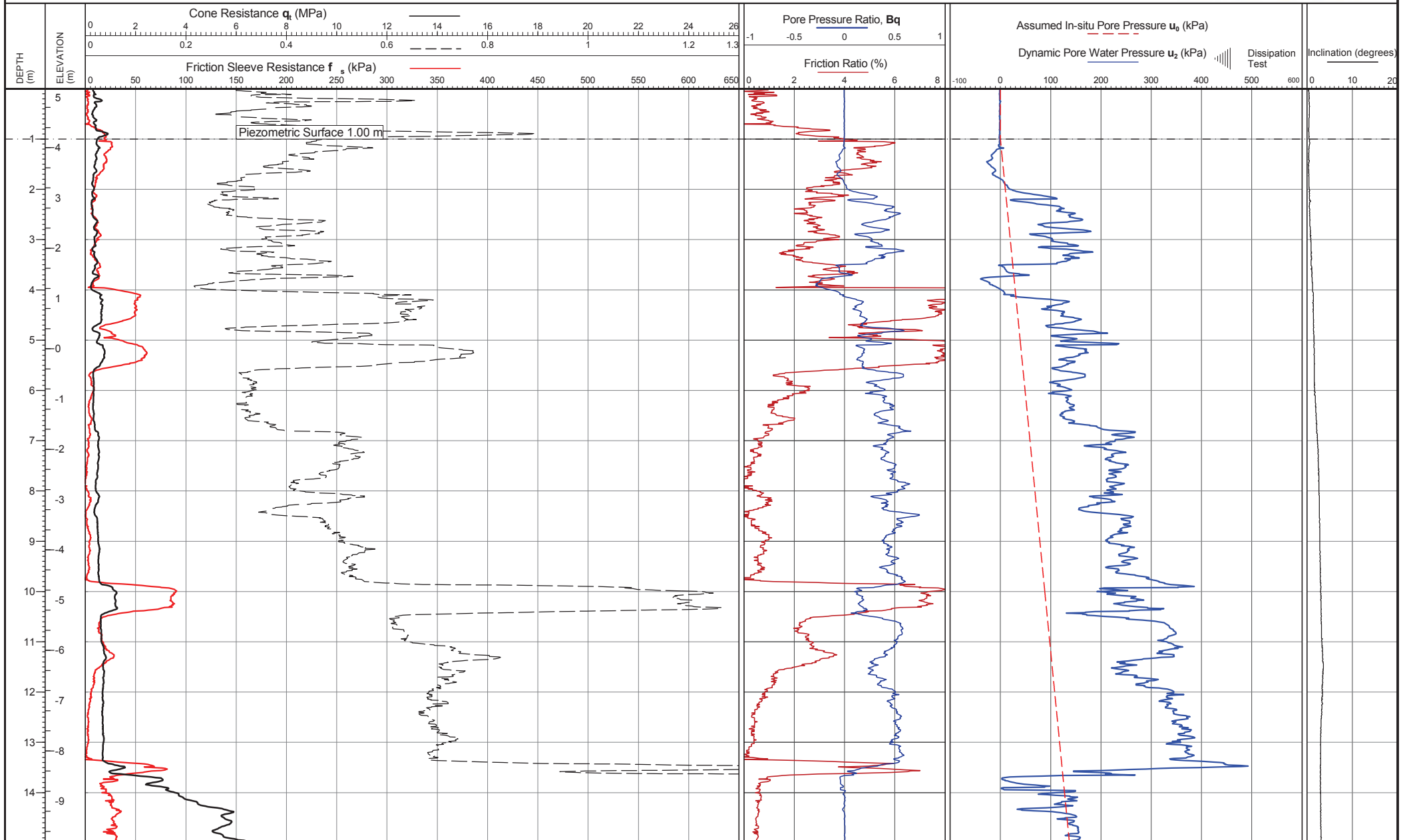
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD14

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 13:16:47

Location: Somerset
Coordinates: 336657.843, 147188.137
Elevation: 5.171
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

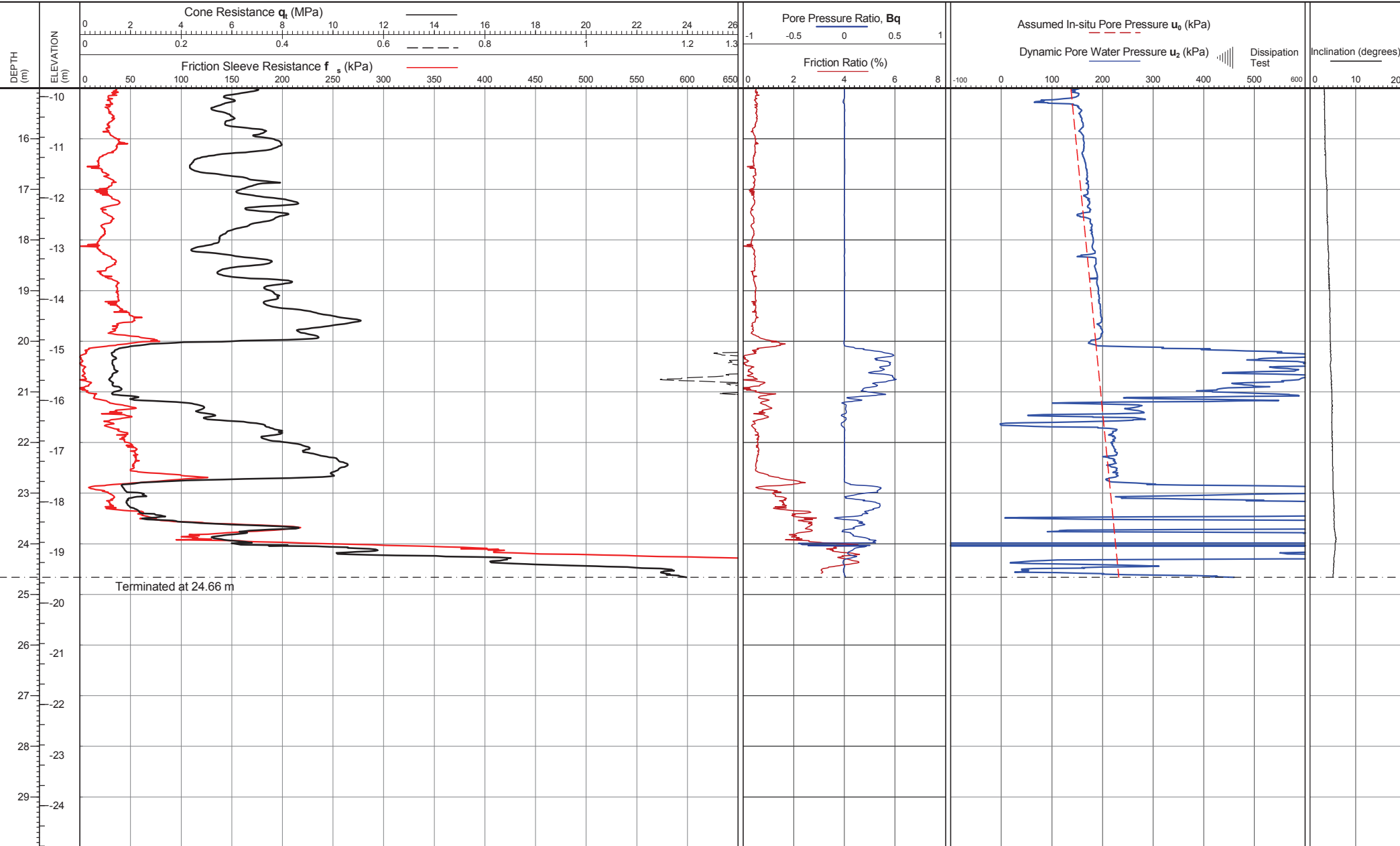
Lankelma Project Ref:
P105654

TEST ID: CPT C-LD16

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 13:16:47

Location: Somerset
Coordinates: 336657.843, 147188.137
Elevation: 5.171
Coordinate system:

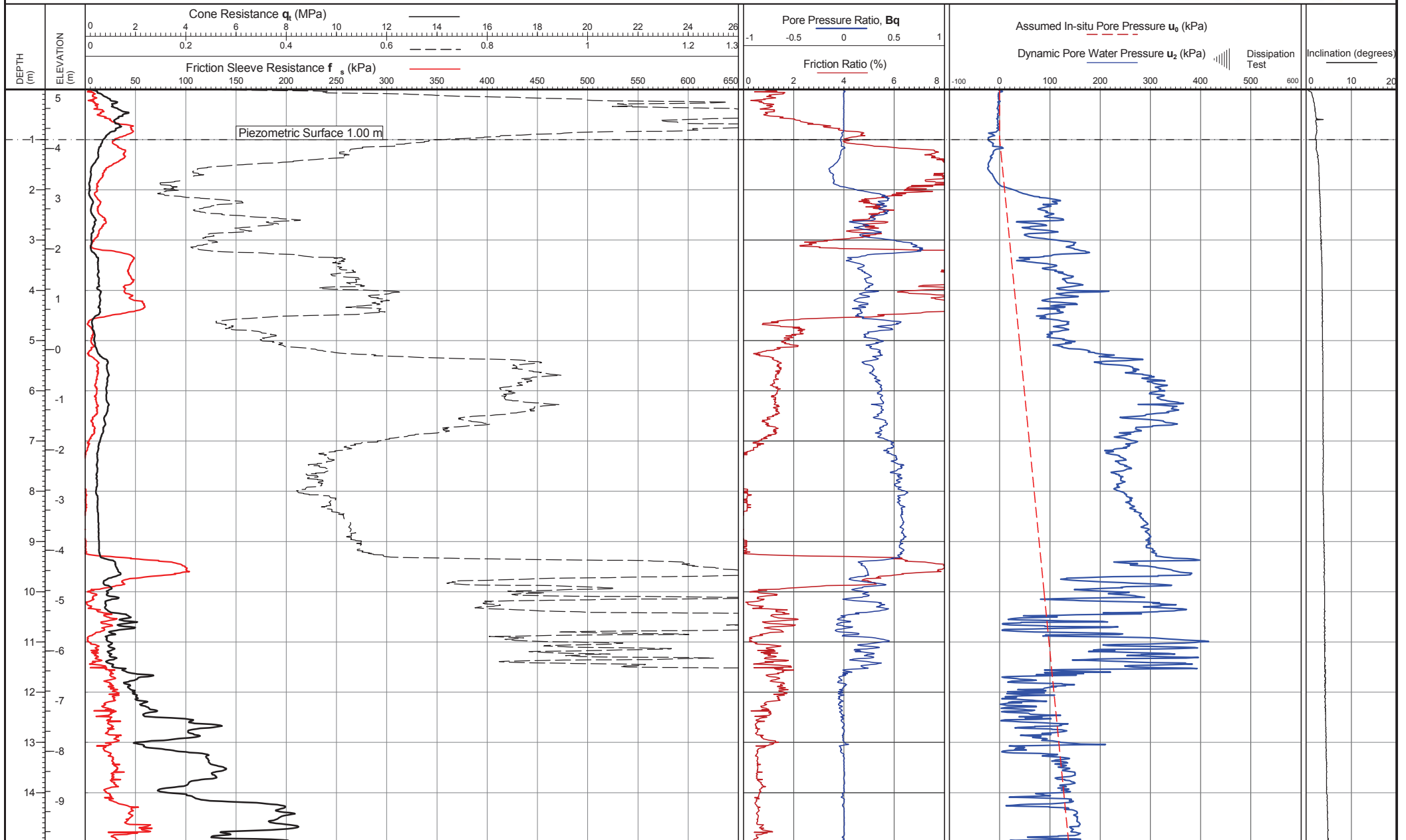
Remarks:
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u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD16

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 15:24:53

Location: Somerset
Coordinates: 336592.409, 148397.933
Elevation: 5.177
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

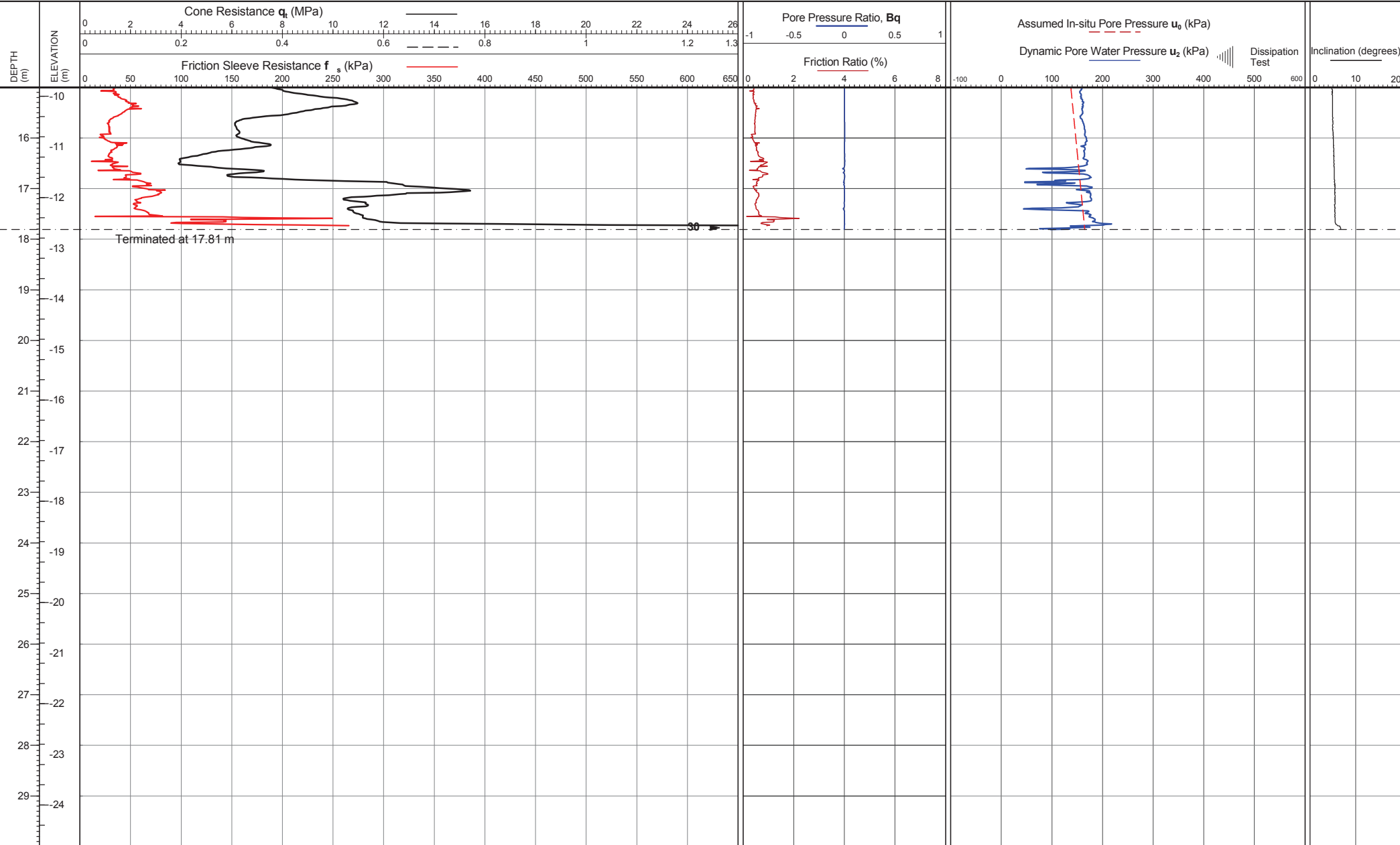
Lankelma Project Ref:
P105654

TEST ID: CPT C-LD20

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 15:24:53

Location: Somerset
Coordinates: 336592.409, 148397.933
Elevation: 5.177
Coordinate system:

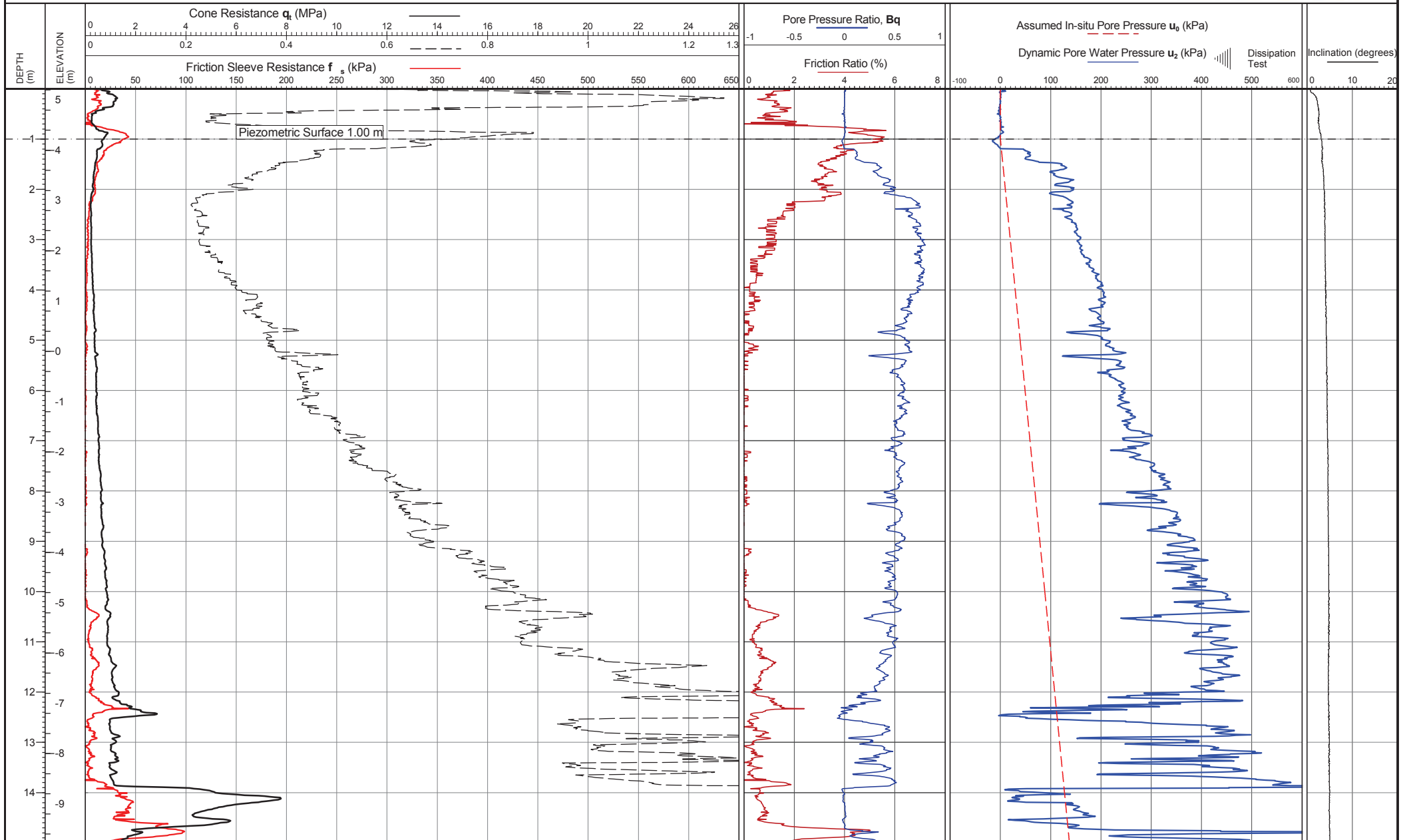
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*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD20

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 15:03:16

Location: Somerset
Coordinates: 337124.95, 149239.779
Elevation: 5.223
Coordinate system:

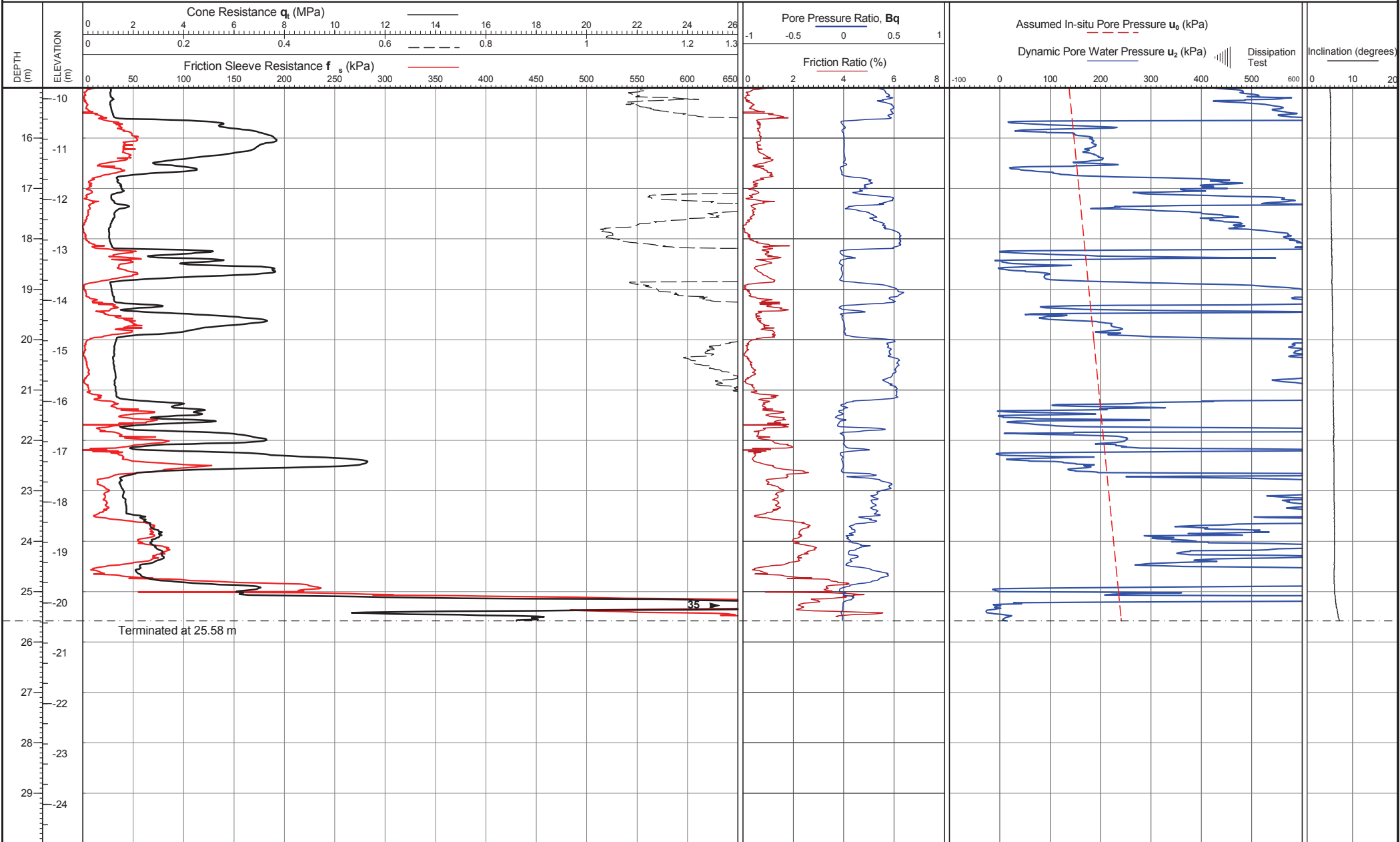
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

Lankelma Project Ref:
P105654

TEST ID: CPT C-LD23

Page 1 of 2



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 15:03:16

Location: Somerset
Coordinates: 337124.95, 149239.779
Elevation: 5.223
Coordinate system:

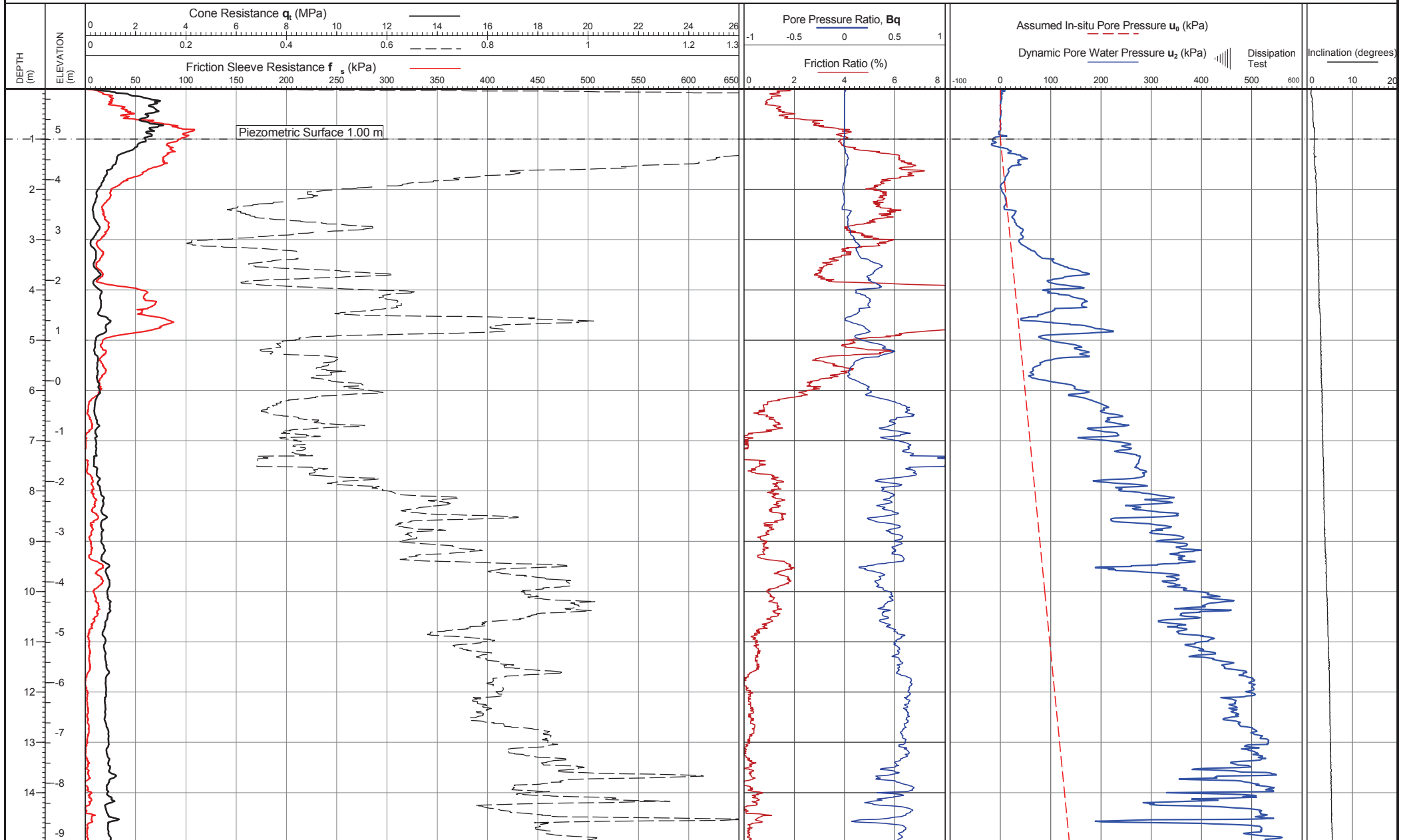
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD23

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

Cone ID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 25/07/2013 08:27:11

Location: Somerset

Coordinates: 337403.159, 152264.669

Elevation: 5.811

Coordinate system:

Remarks:

*Piezometric surface origin: Est. from
 u_2 piezo data

Refusal criteria: Tip load

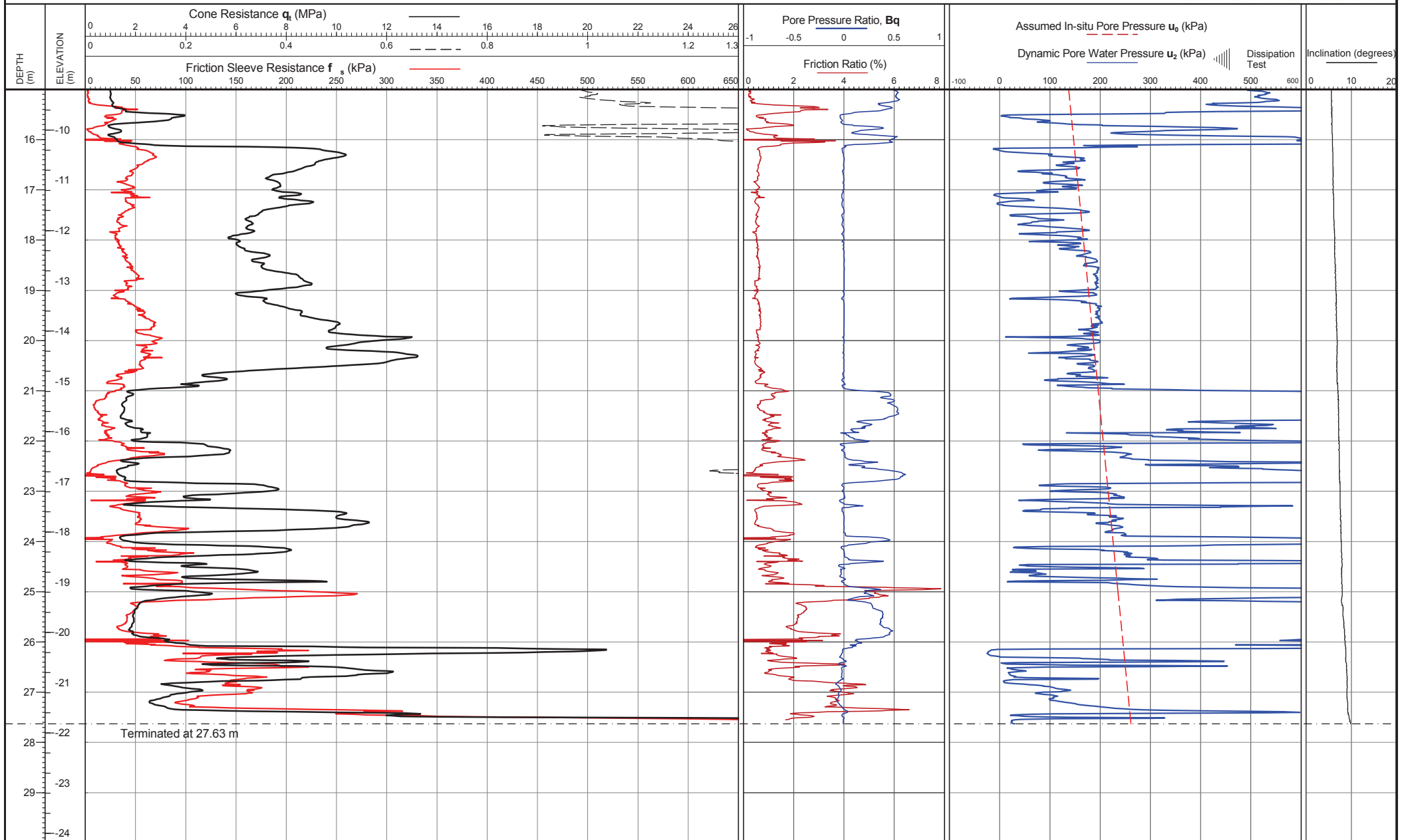
Date of plot:
16-10-13Lankelma Project Ref:
P105654Checked by:
Emma Stickland

TEST ID: CPT C-LD31

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

Cone ID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 25/07/2013 08:27:11

Location: Somerset

Coordinates: 337403.159, 152264.669

Elevation: 5.811

Coordinate system:

Remarks:

*Piezometric surface origin: Est. from
u2 piezo data

Refusal criteria: Tip load

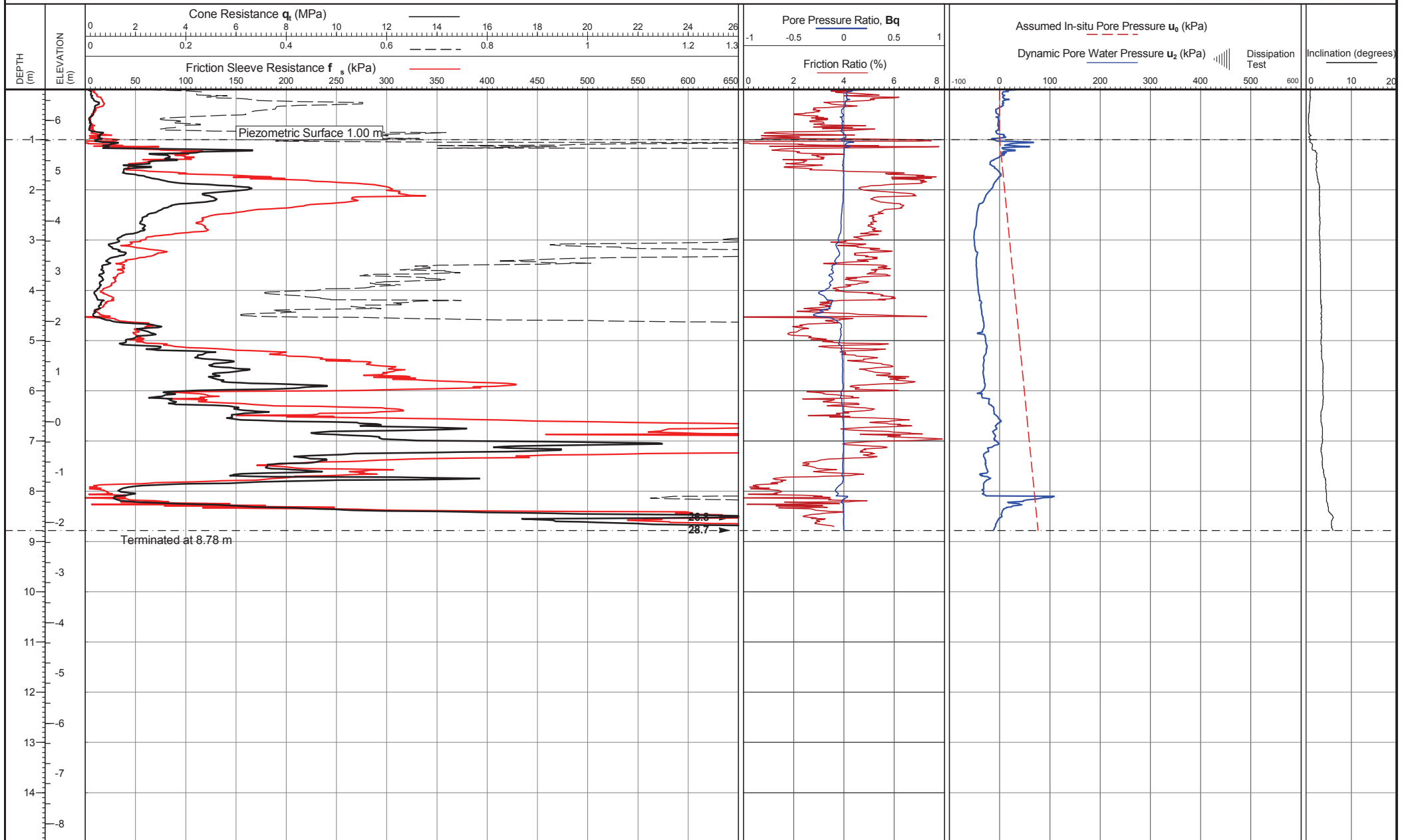
Date of plot:
16-10-13Lankelma Project Ref:
P105654Checked by:
Emma Stickland

TEST ID: CPT C-LD31

Page 2 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 16:33:12

Location: Somerset
Coordinates: 341566.674, 160612.632
Elevation: 6.62
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13

Lankelma Project Ref:
P105654

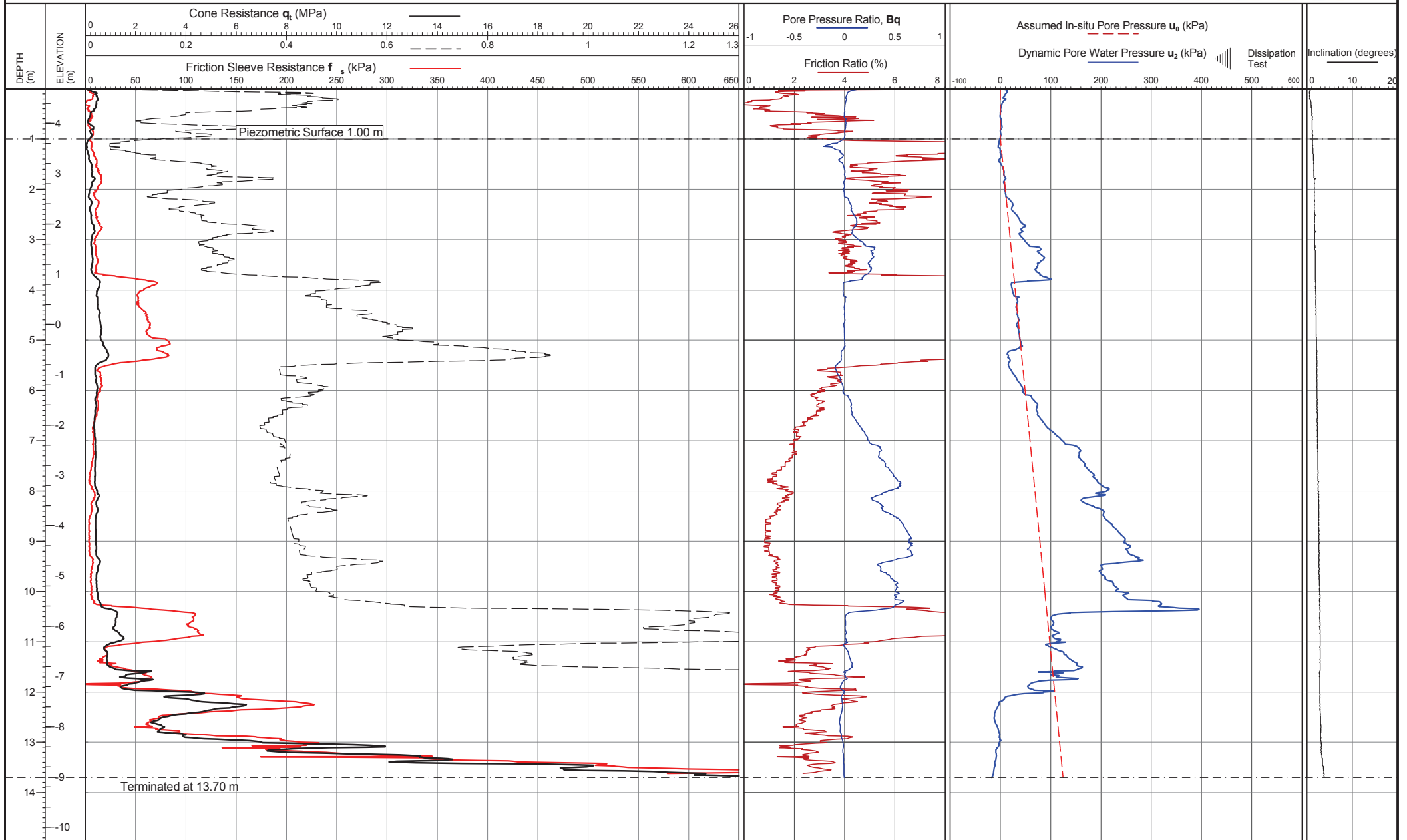
Checked by:
Emma Stickland

TEST ID: CPT C-LD39

Page 1 of 1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 11:16:09

Location: Somerset
Coordinates: 341710.522, 162353.558
Elevation: 4.689
Coordinate system:

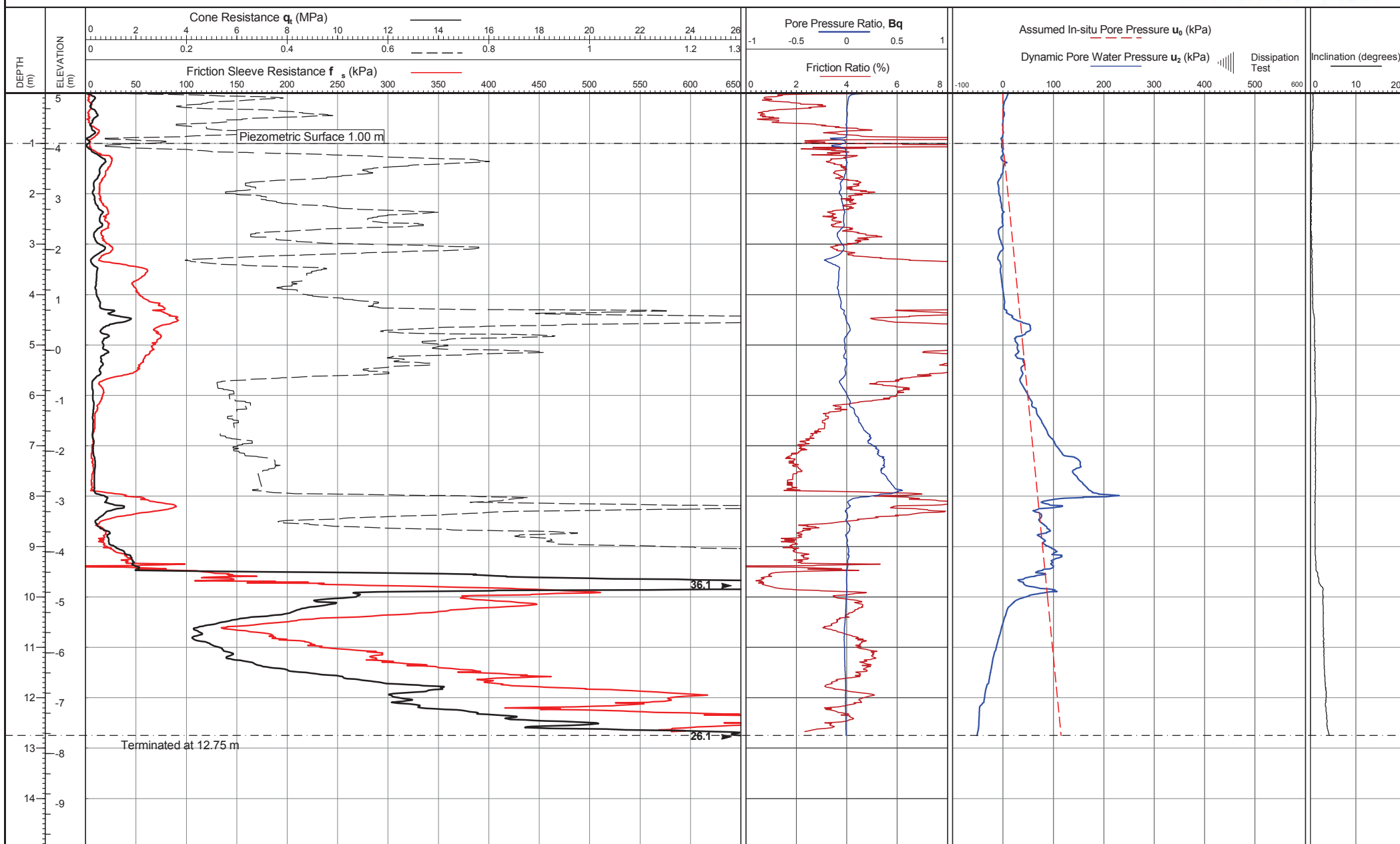
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

Lankelma Project Ref:
P105654

TEST ID: CPT C-LD44

Page 1 of 1



Cone area (mm2):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 12:50:20

Location: Somerset
Coordinates: 341540.644, 164578.117
Elevation: 5.109
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data

Refusal criteria: Tip load

Date of plot:
16-10-13

Lankelma Project Ref:
P105654

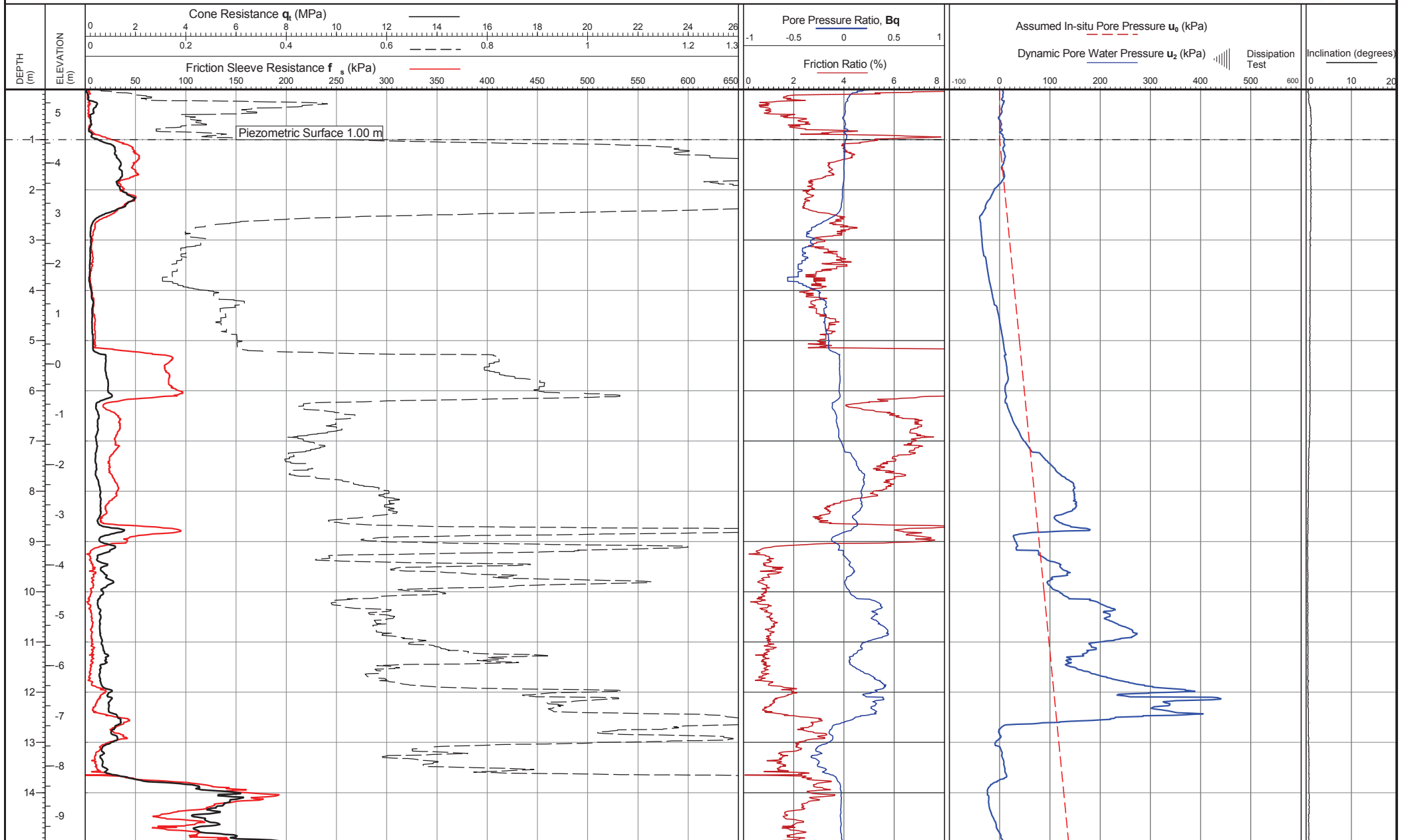
Checked by:
Emma Stickland

TEST ID: CPT C-LD51

Page 1 of 1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

Cone ID: S15-CFIP.908

Operator: Ben Ranson

Date of test: 11/06/2013 14:18:54

Location: Somerset

Coordinates: 340867.184, 167069.75

Elevation: 5.468

Coordinate system:

Remarks:

*Piezometric surface origin: Est. from
u2 piezo data

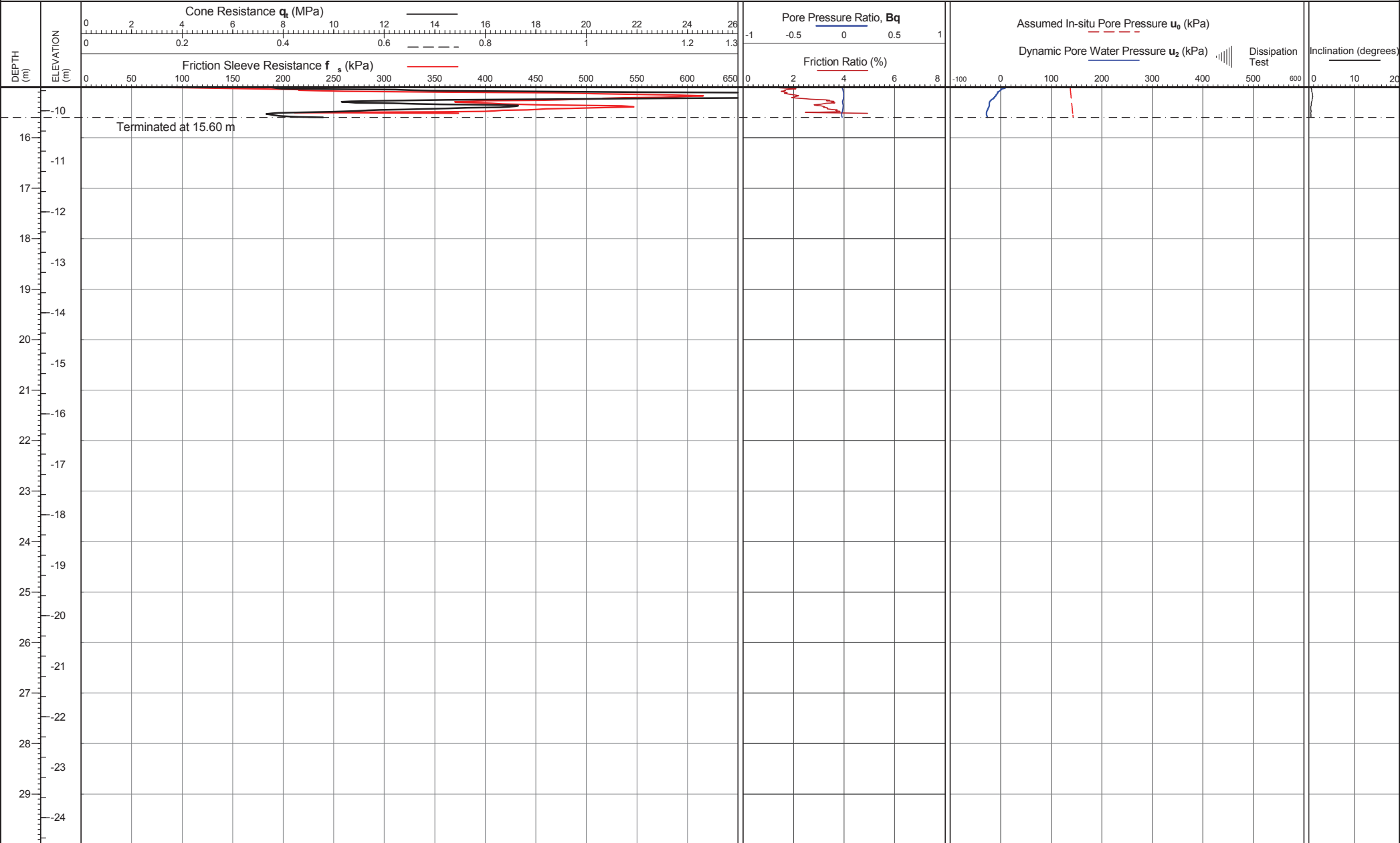
Refusal criteria: Tip load

Date of plot:
16-10-13Lankelma Project Ref:
P105654Checked by:
Emma Stickland**TEST ID: CPT C-LD59**

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



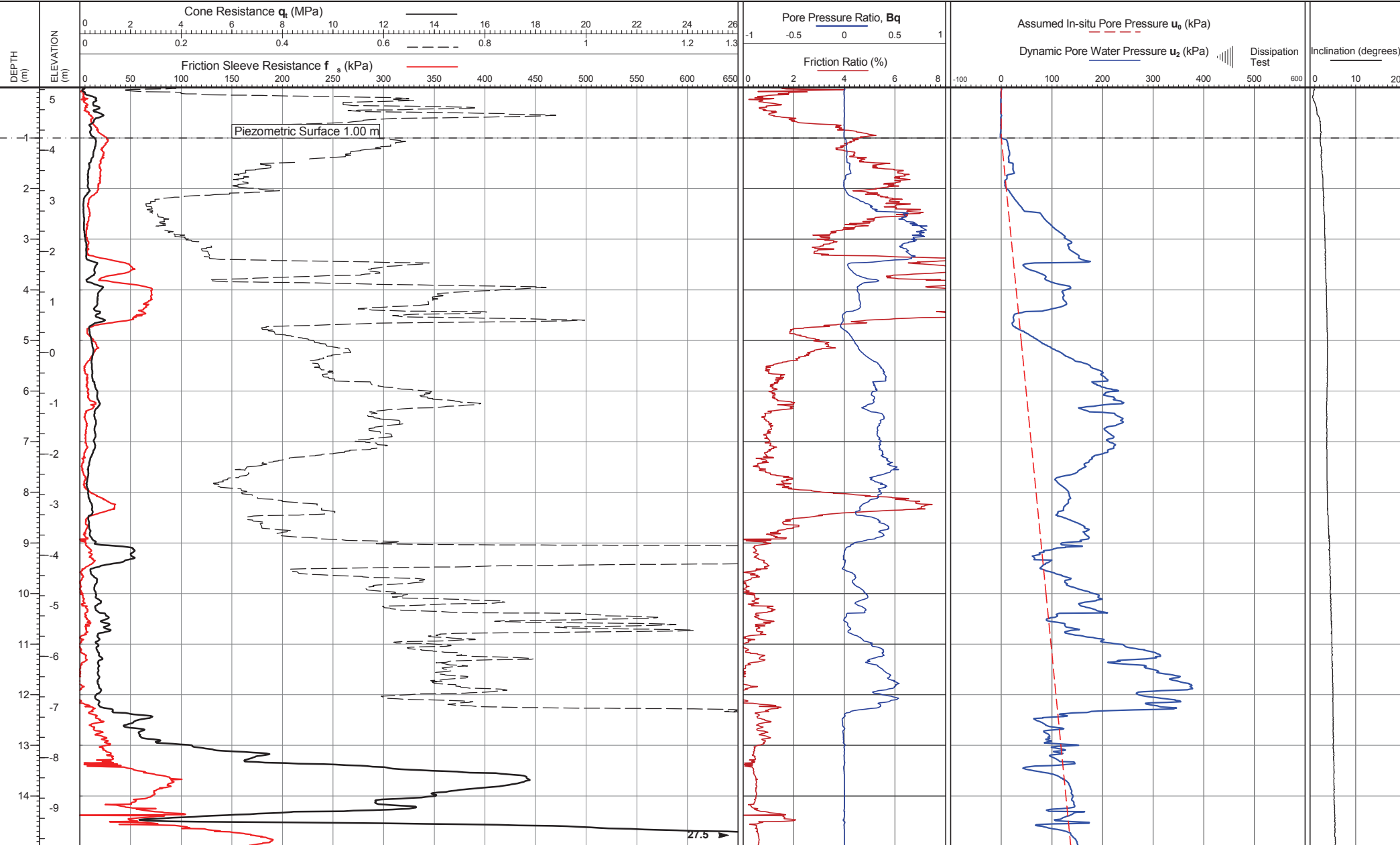
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 14:18:54

Location: Somerset
Coordinates: 340867.184, 167069.75
Elevation: 5.468
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD59



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 24/07/2013 12:51:18

Location: Somerset
Coordinates: 335321.928, 144252.559
Elevation: 5.243
Coordinate system:

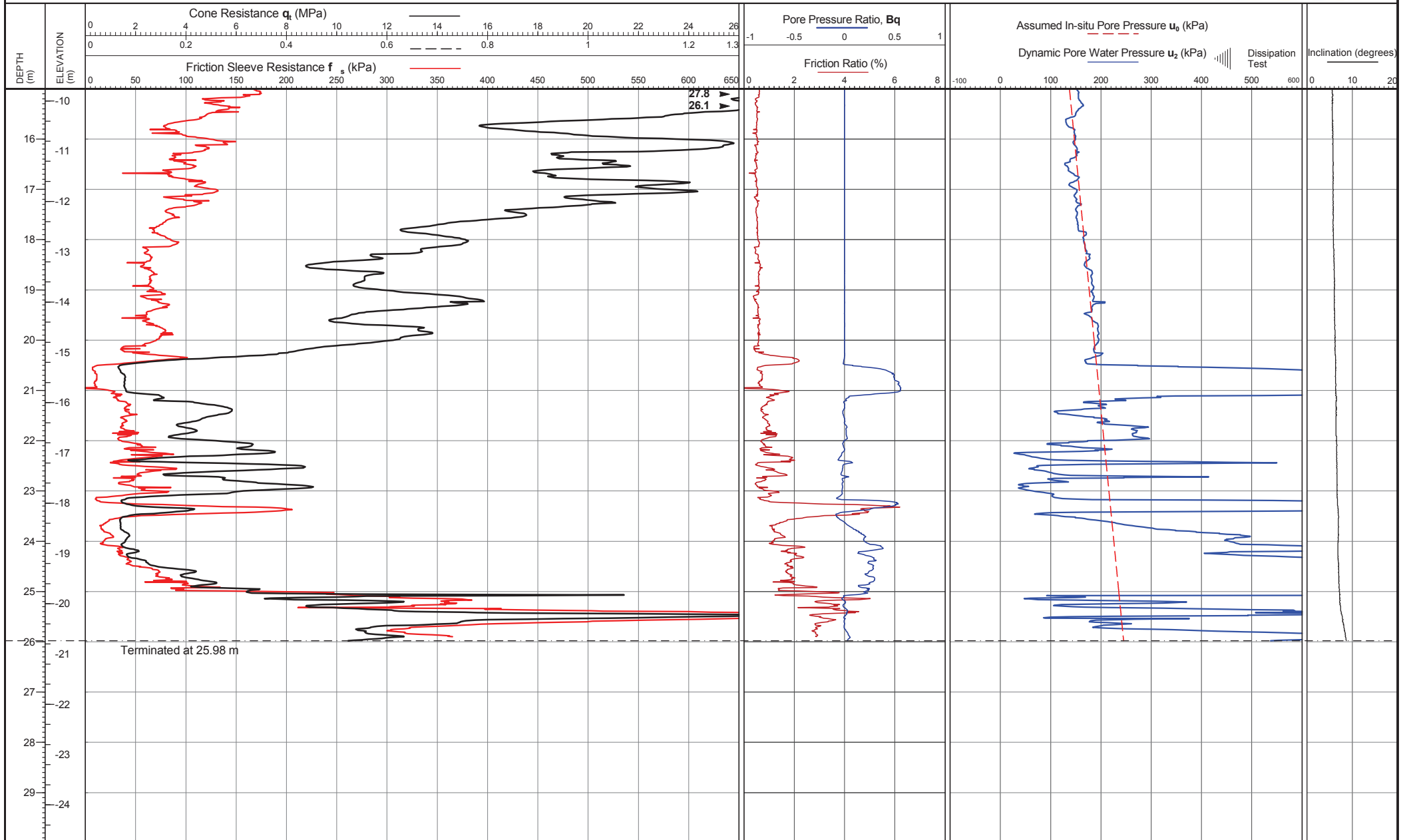
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD6

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

Cone ID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 24/07/2013 12:51:18

Location: Somerset

Coordinates: 335321.928, 144252.559

Elevation: 5.243

Coordinate system:

Remarks:

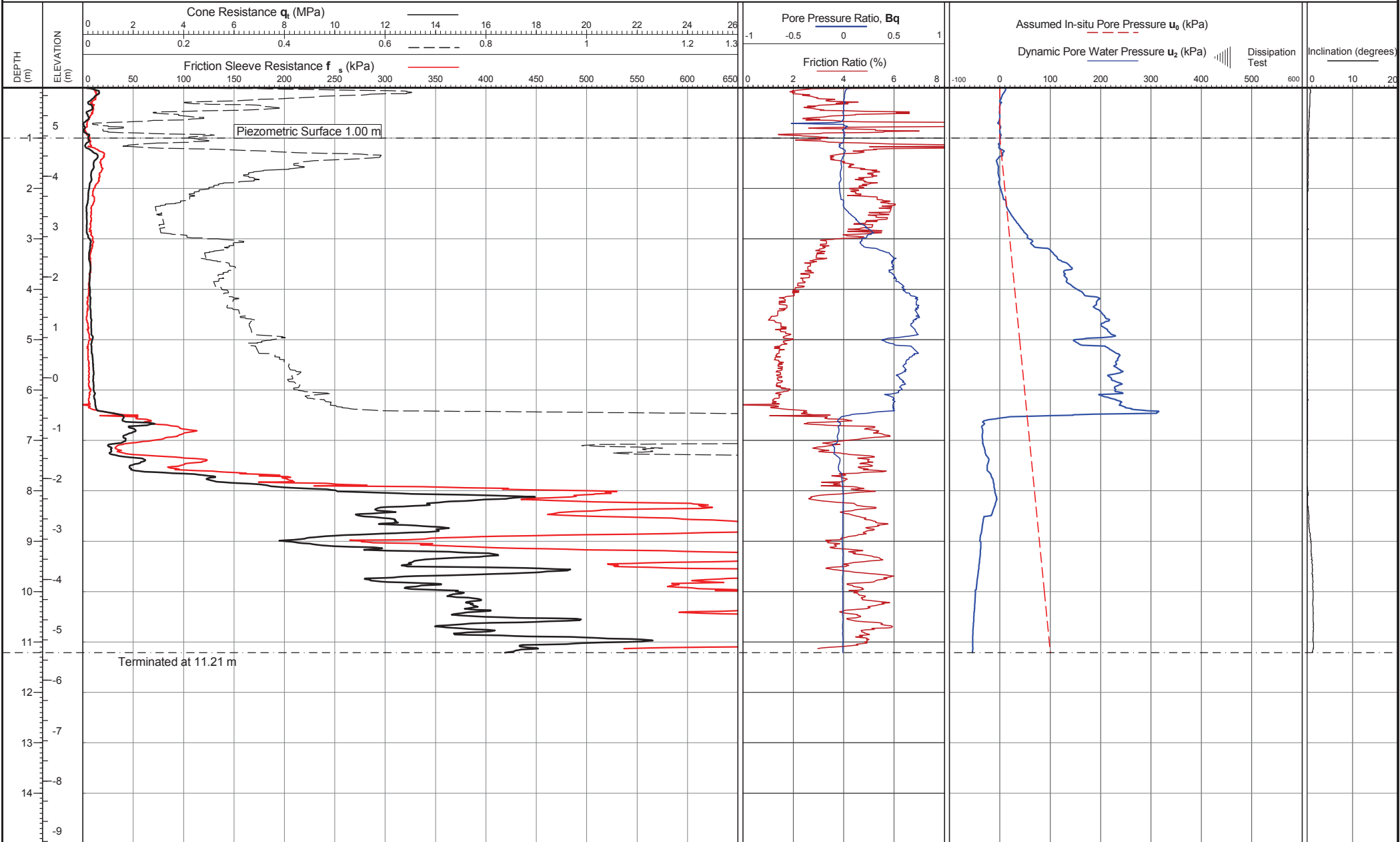
*Piezometric surface origin: Est. from
u2 piezo data

Refusal criteria: Tip load

Date of plot:
16-10-13Lankelma Project Ref:
P105654Checked by:
Emma Stickland

TEST ID: CPT C-LD6

Page 2 of 2



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 15:15:06

Location: Somerset
Coordinates: 341321.048, 167486.572
Elevation: 5.758
Coordinate system:

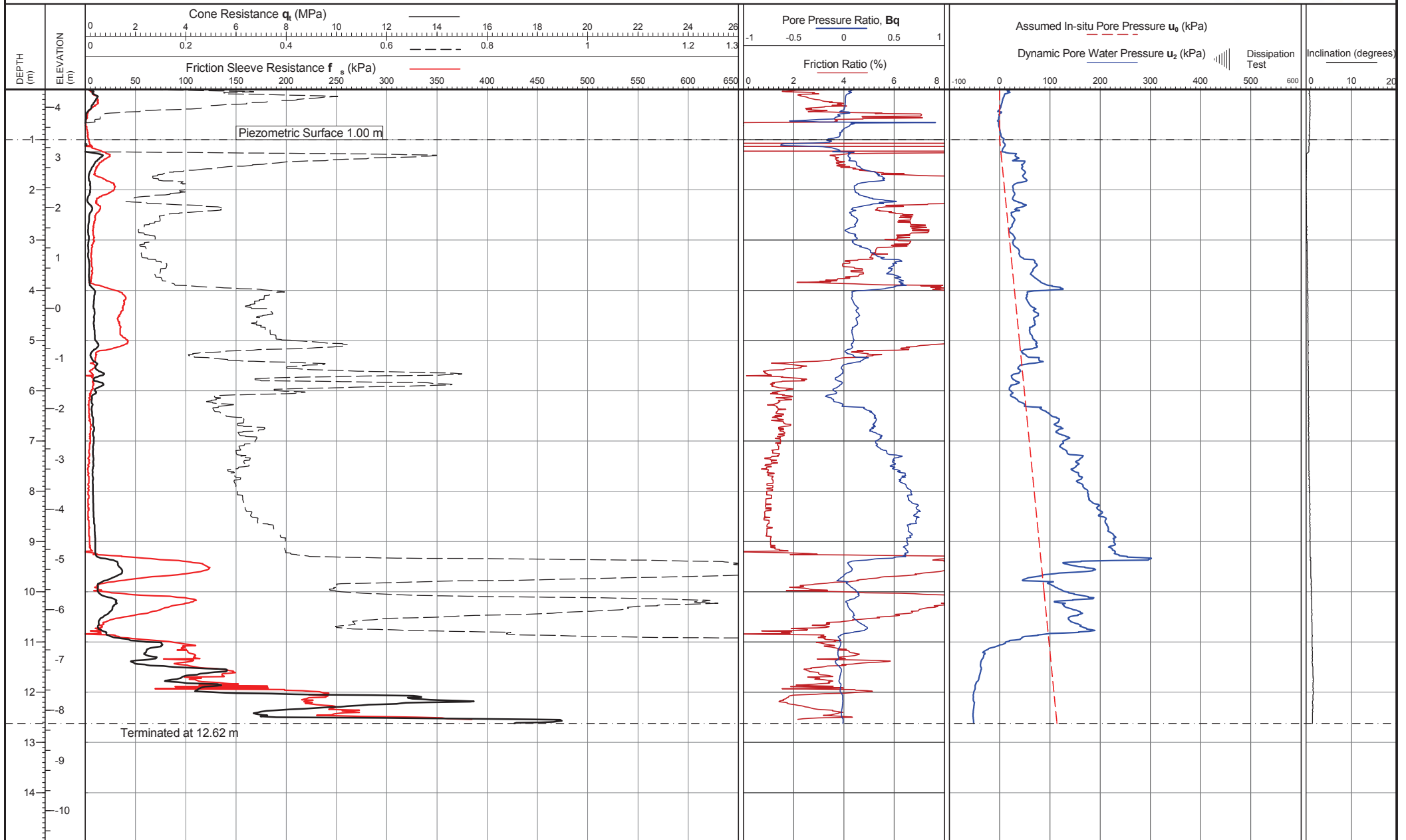
Remarks:
*Piezometric surface origin: Est. from u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD61

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 12/06/2013 08:39:35

Location: Somerset
Coordinates: 342993.857, 168746.042
Elevation: 4.357
Coordinate system:

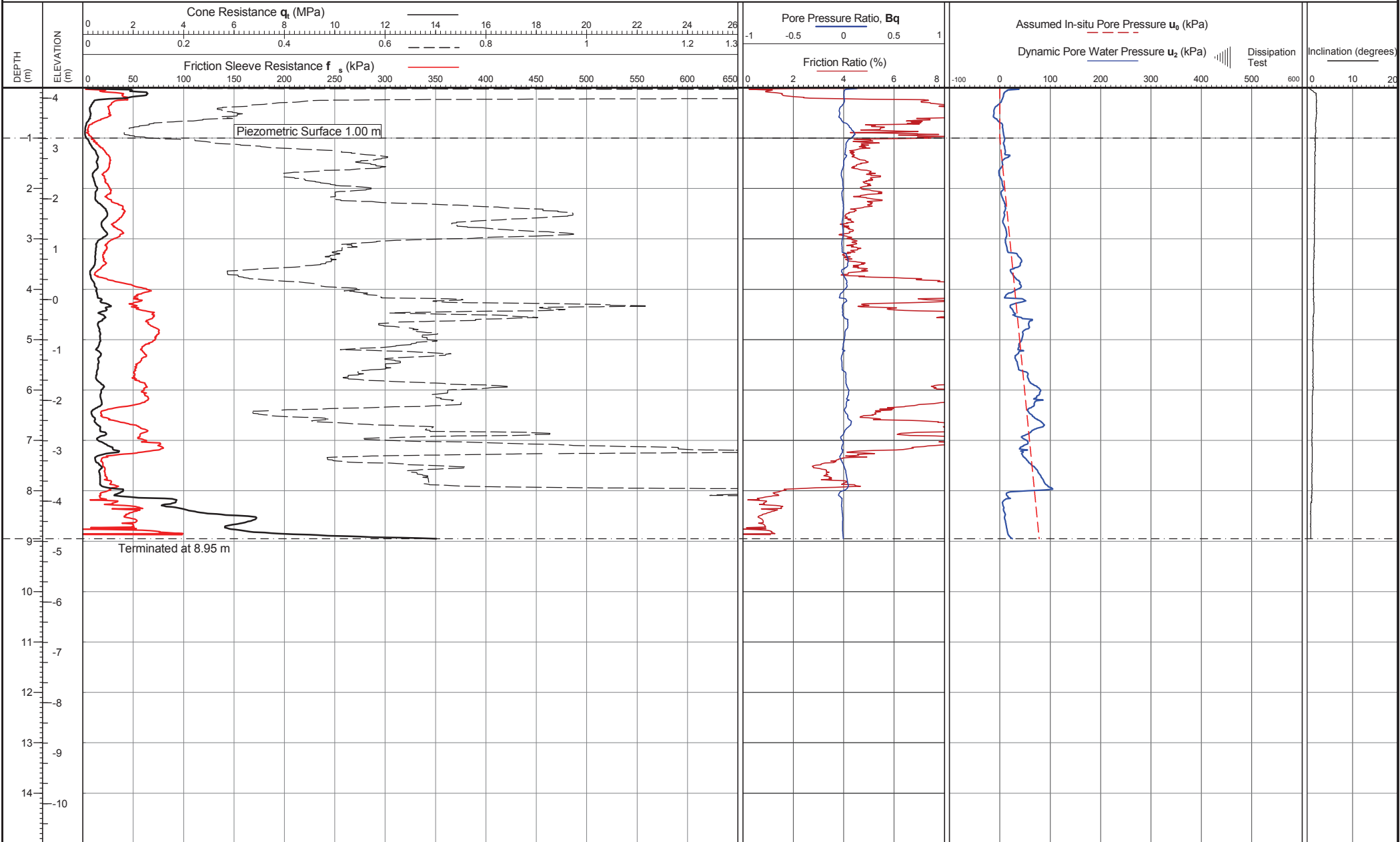
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

Lankelma Project Ref:
P105654

TEST ID: CPT C-LD67

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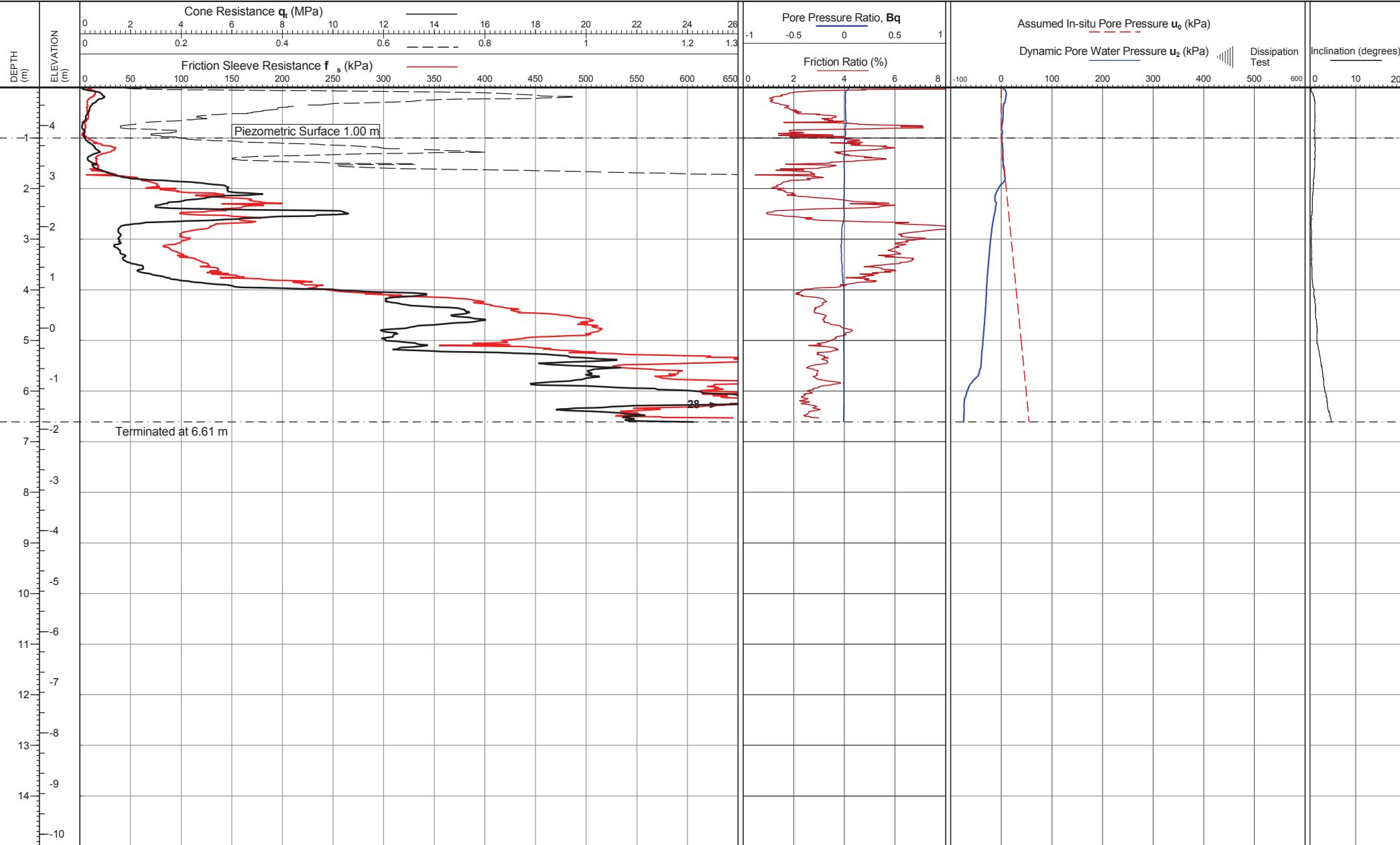
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 12/06/2013 10:48:28

Location: Somerset
Coordinates: 344854.652, 170075.047
Elevation: 4.207
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD73



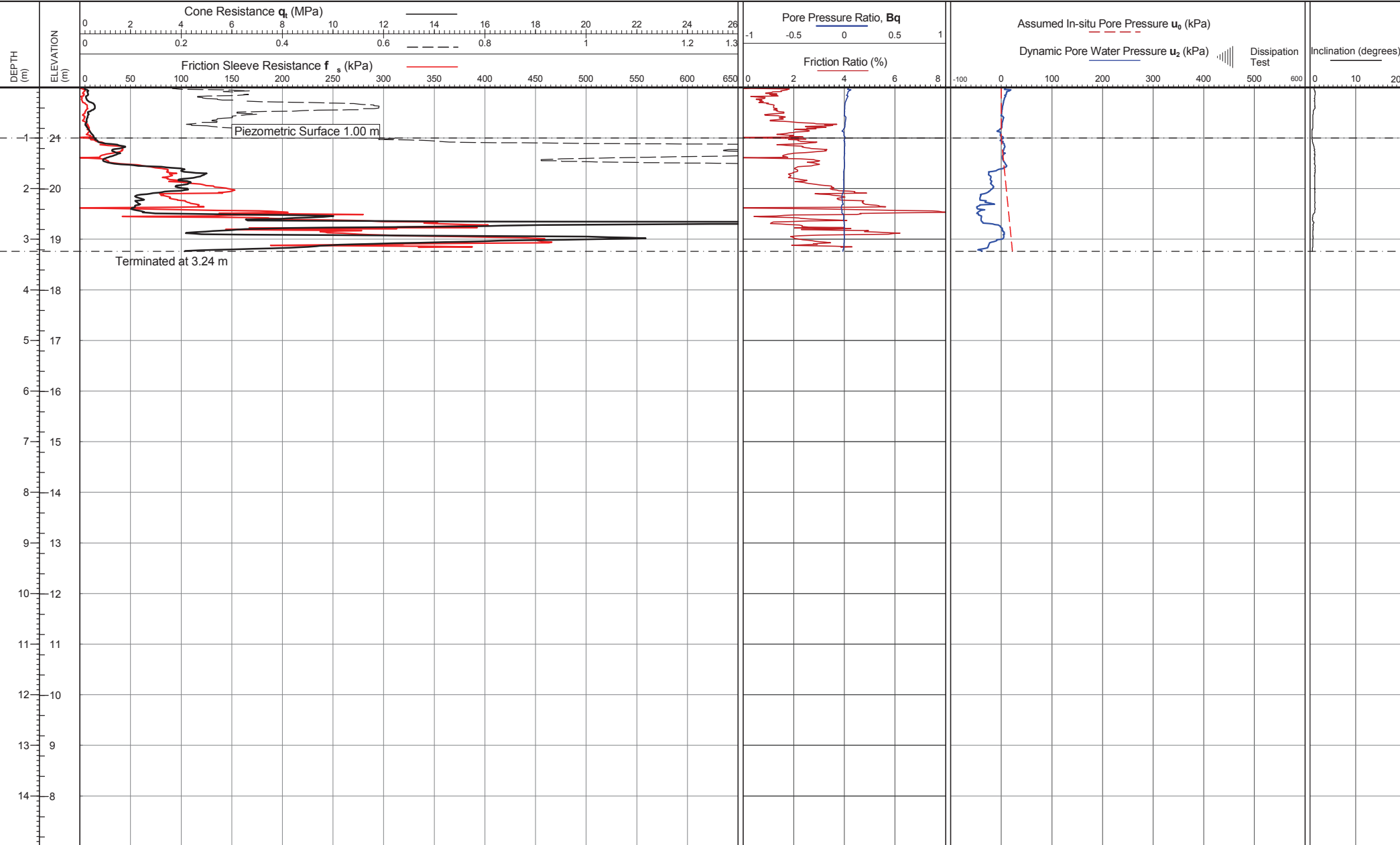
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 12/06/2013 13:33:48

Location: Somerset
Coordinates: 346047.456, 171218.337
Elevation: 4.754
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD77



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 11:39:29

Location: Somerset
Coordinates: 346391.778, 171927.098
Elevation: 22.01
Coordinate system:

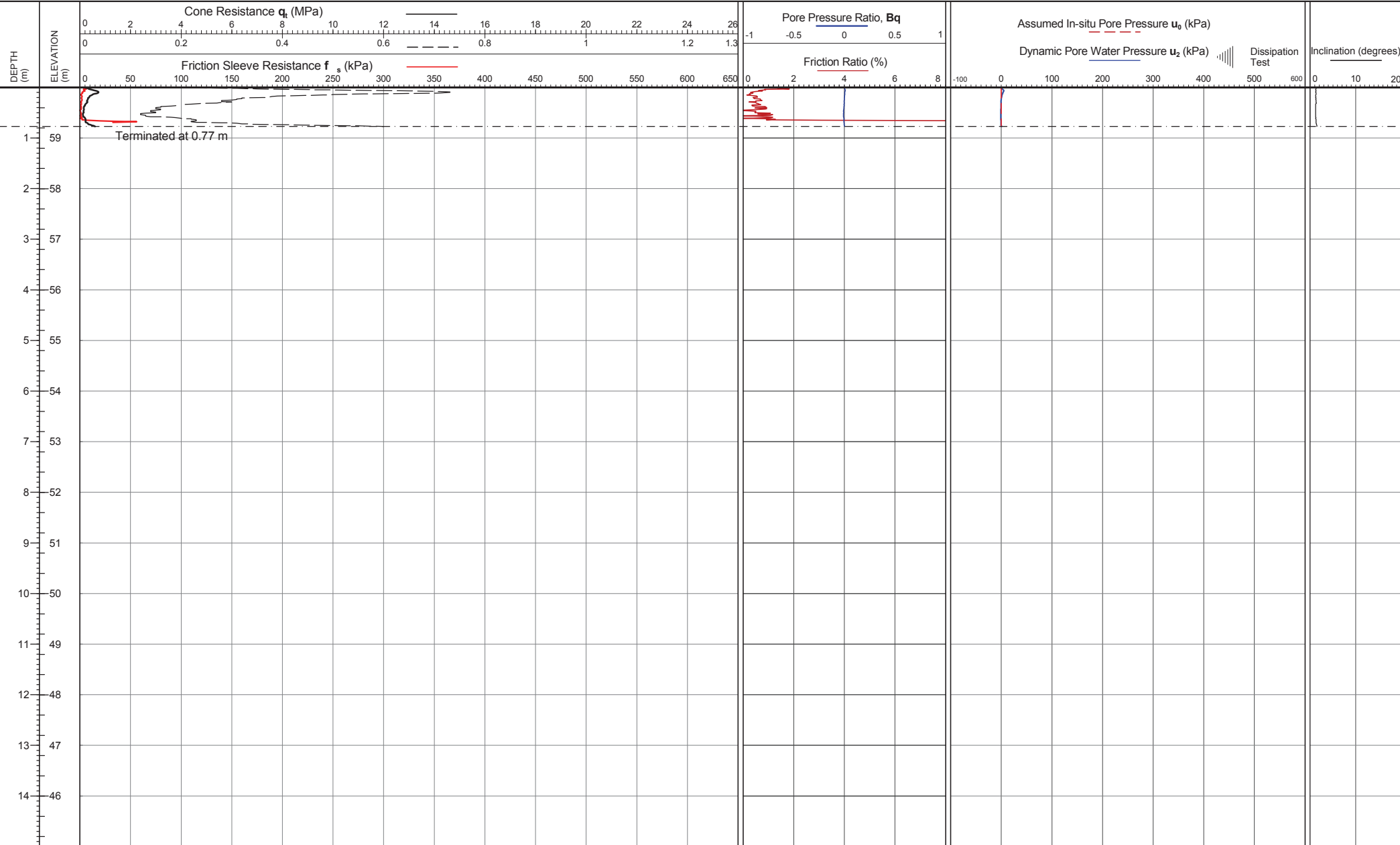
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD80

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 12:40:21

Location: Somerset
Coordinates: 347468.638, 172475.762
Elevation: 60.002
Coordinate system:

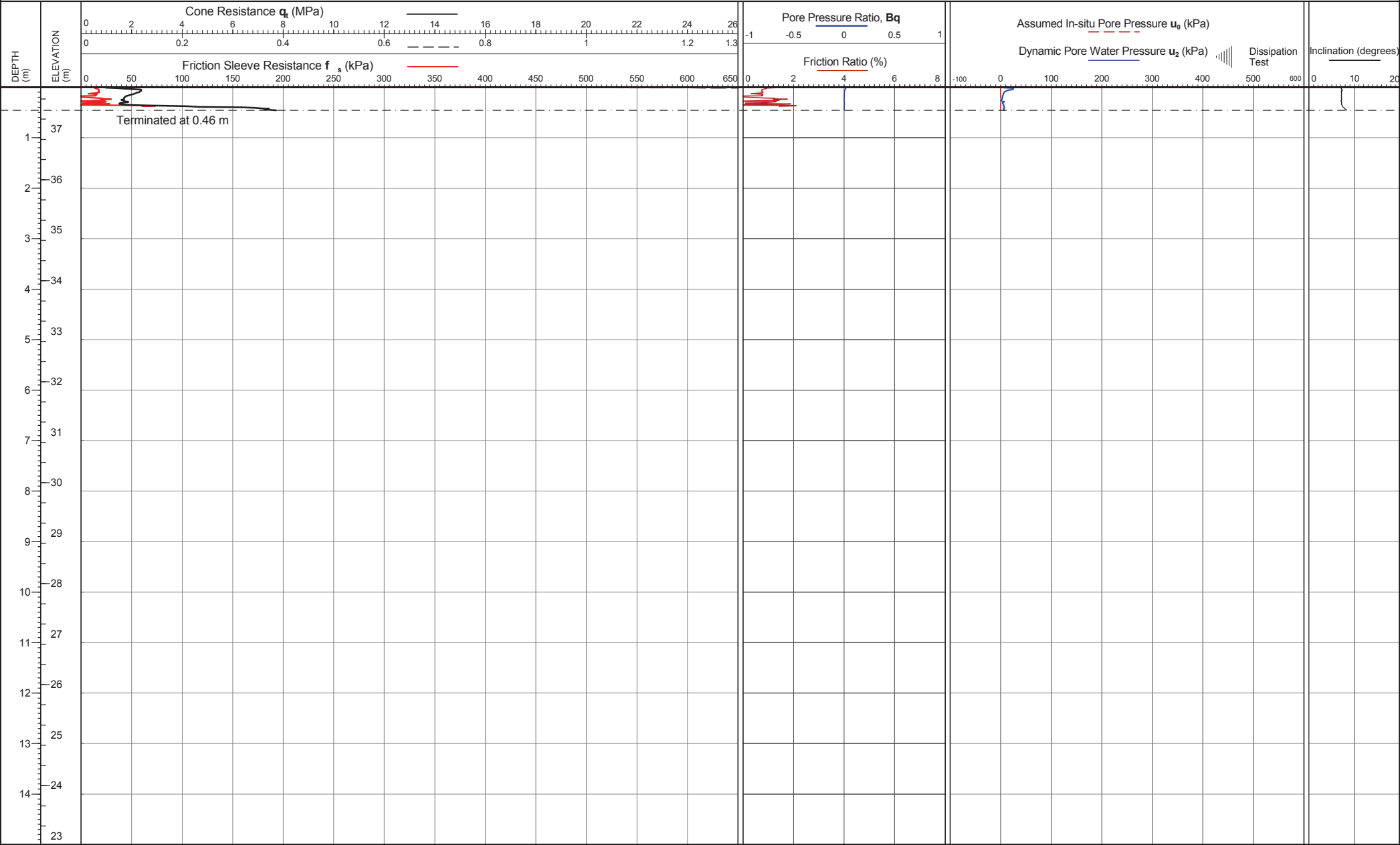
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD83

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



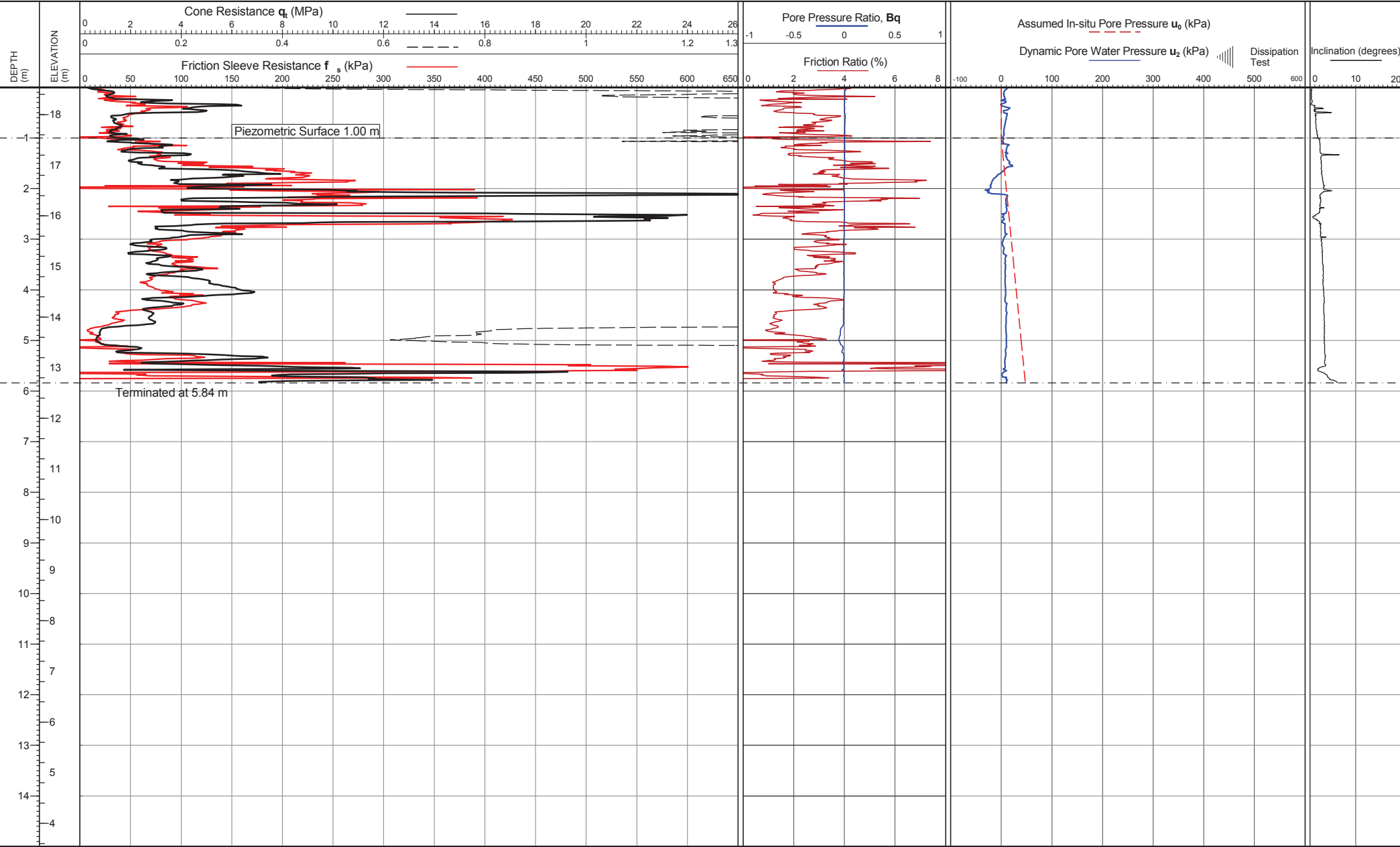
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 16:03:37

Location: Somerset
Coordinates: 348781.169, 174711.243
Elevation: 37.833
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD91



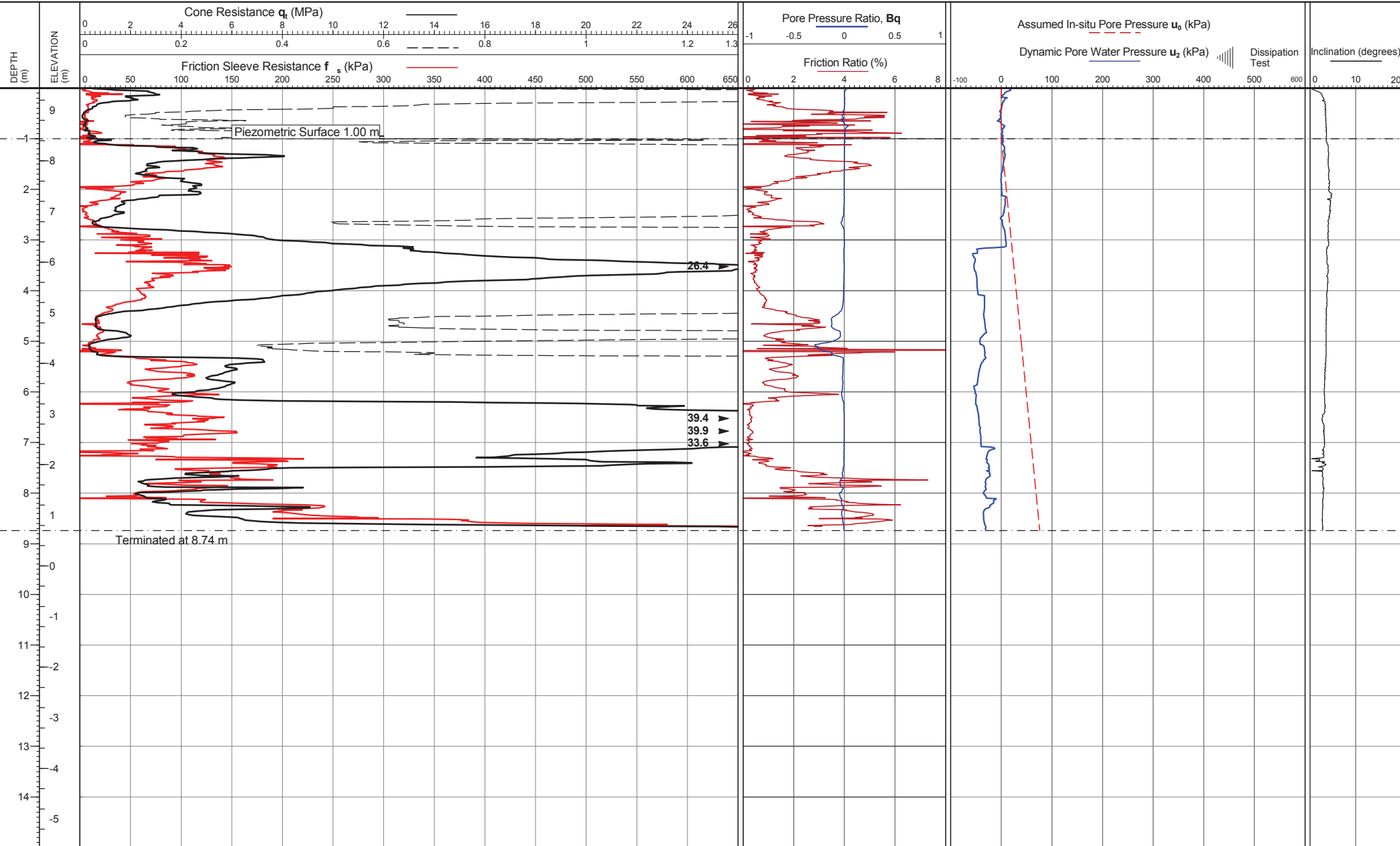
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 14:02:54

Location: Somerset
Coordinates: 348711.044, 174850.696
Elevation: 18.539
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD92



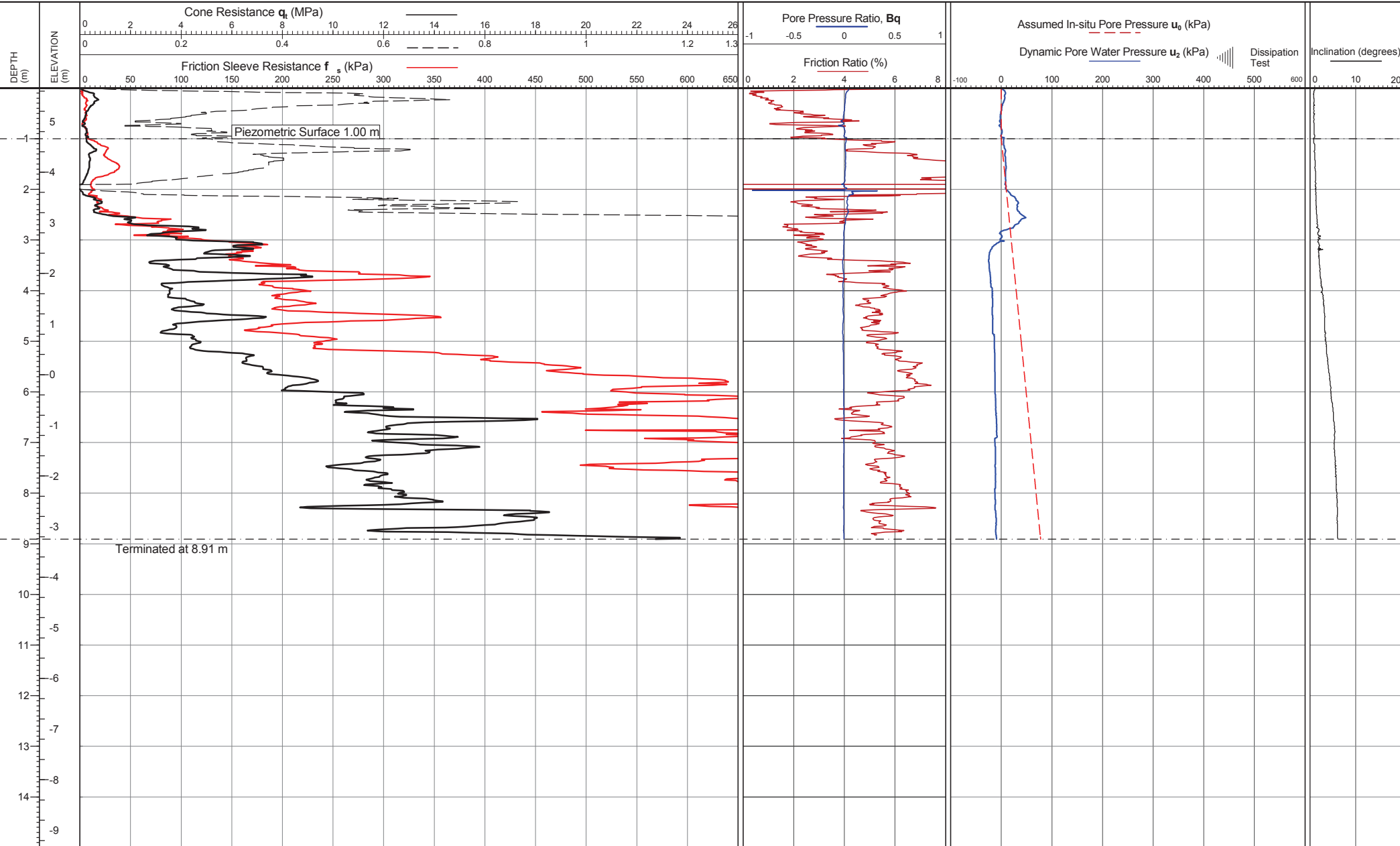
Cone area (mm²):1500
Cone ID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 14:59:23

Location: Somerset
Coordinates: 348793.681, 175142.026
Elevation: 9.437
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD93



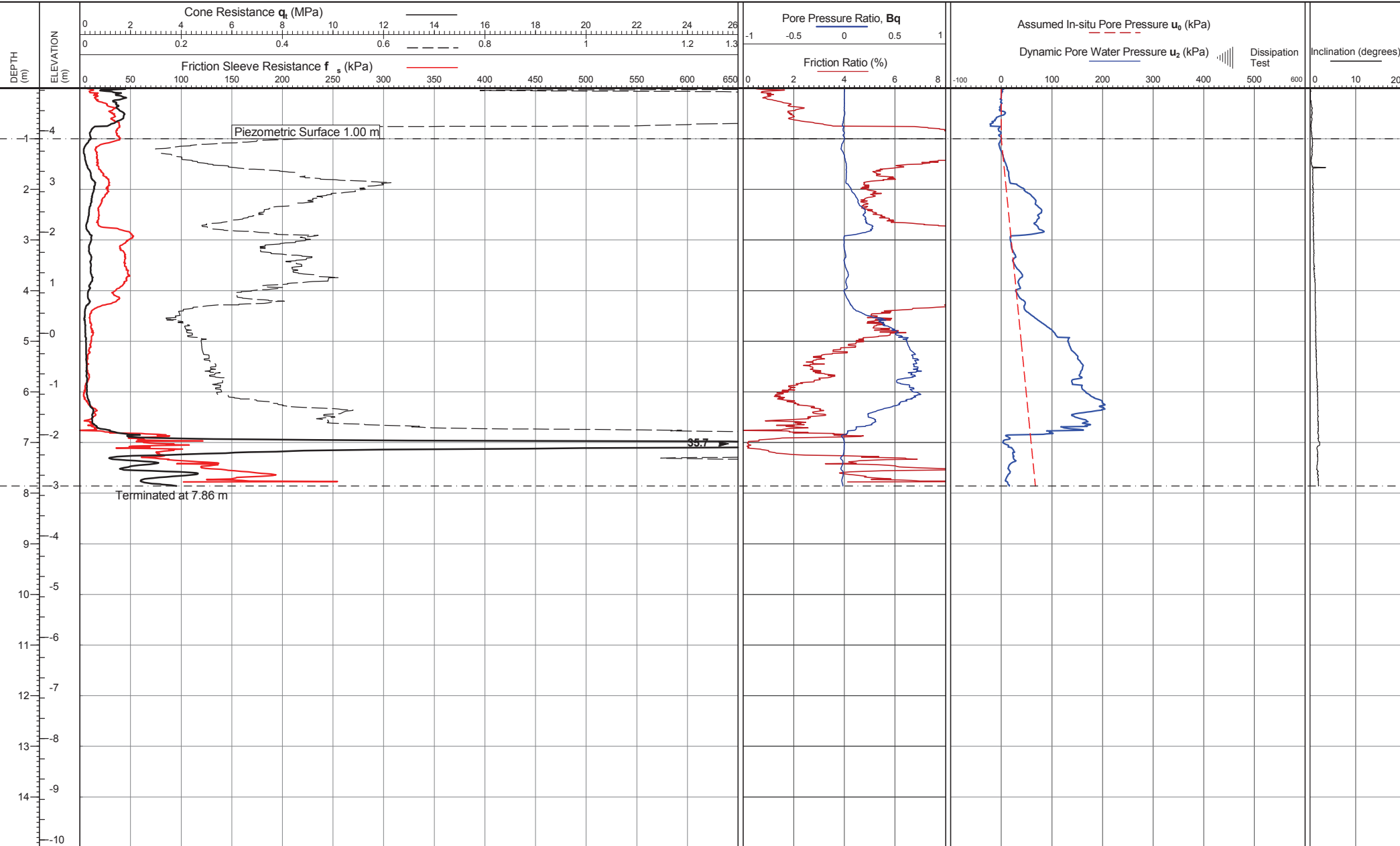
Cone area (mm²):1500
Cone ID: S15-CFIP.819
Operator: Ben Ranson
Date of test: 25/07/2013 11:36:02

Location: Somerset
Coordinates: 350060.362, 175833.953
Elevation: 5.66
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD97



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 22/07/2013 16:02:59

Location: Somerset
Coordinates: 334401.708, 142307.589
Elevation: 4.846
Coordinate system:

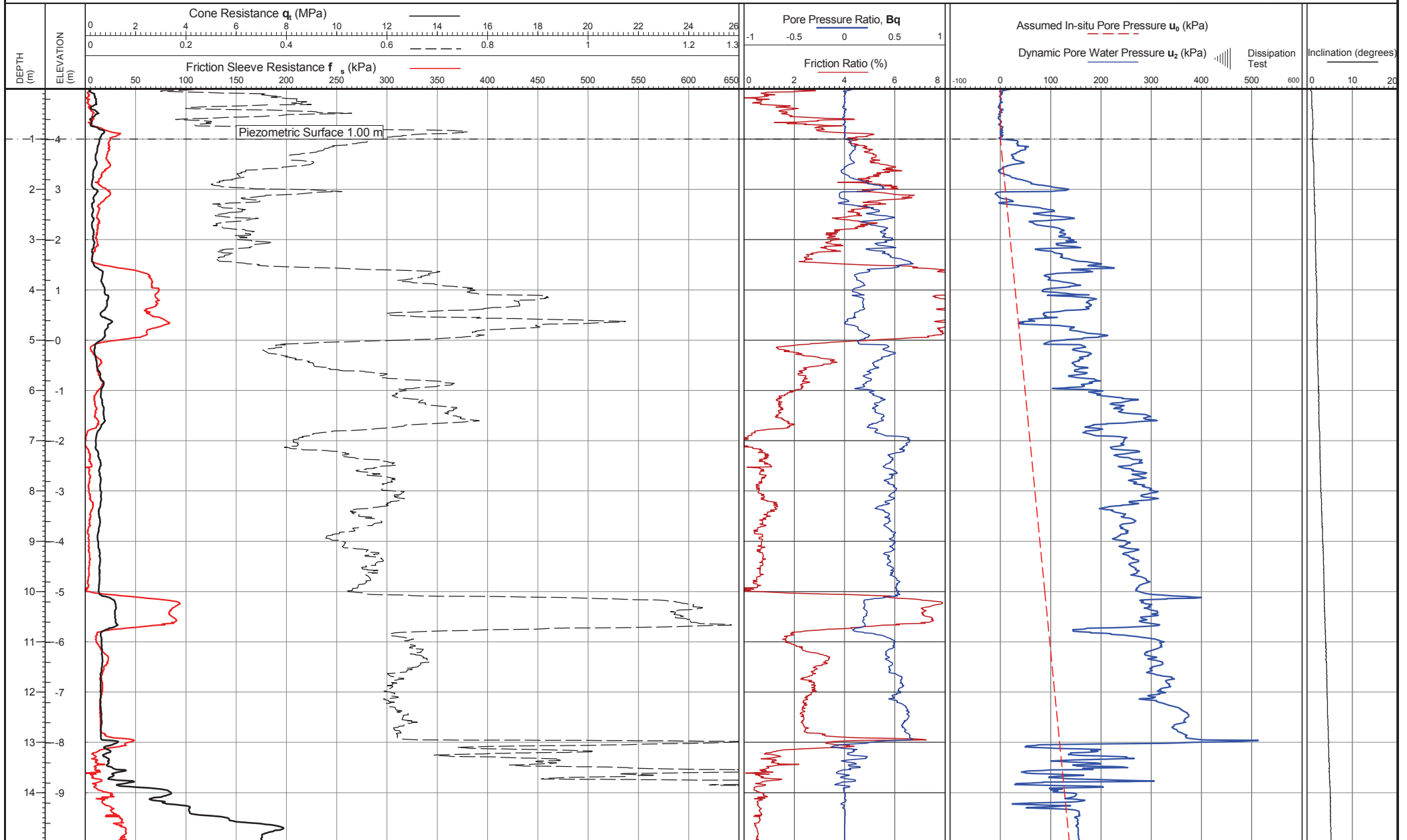
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-ZG11

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 24/07/2013 09:40:36

Location: Somerset
Coordinates: 334783.274, 142992.992
Elevation: 5.01
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Checked by:
Emma Stickland

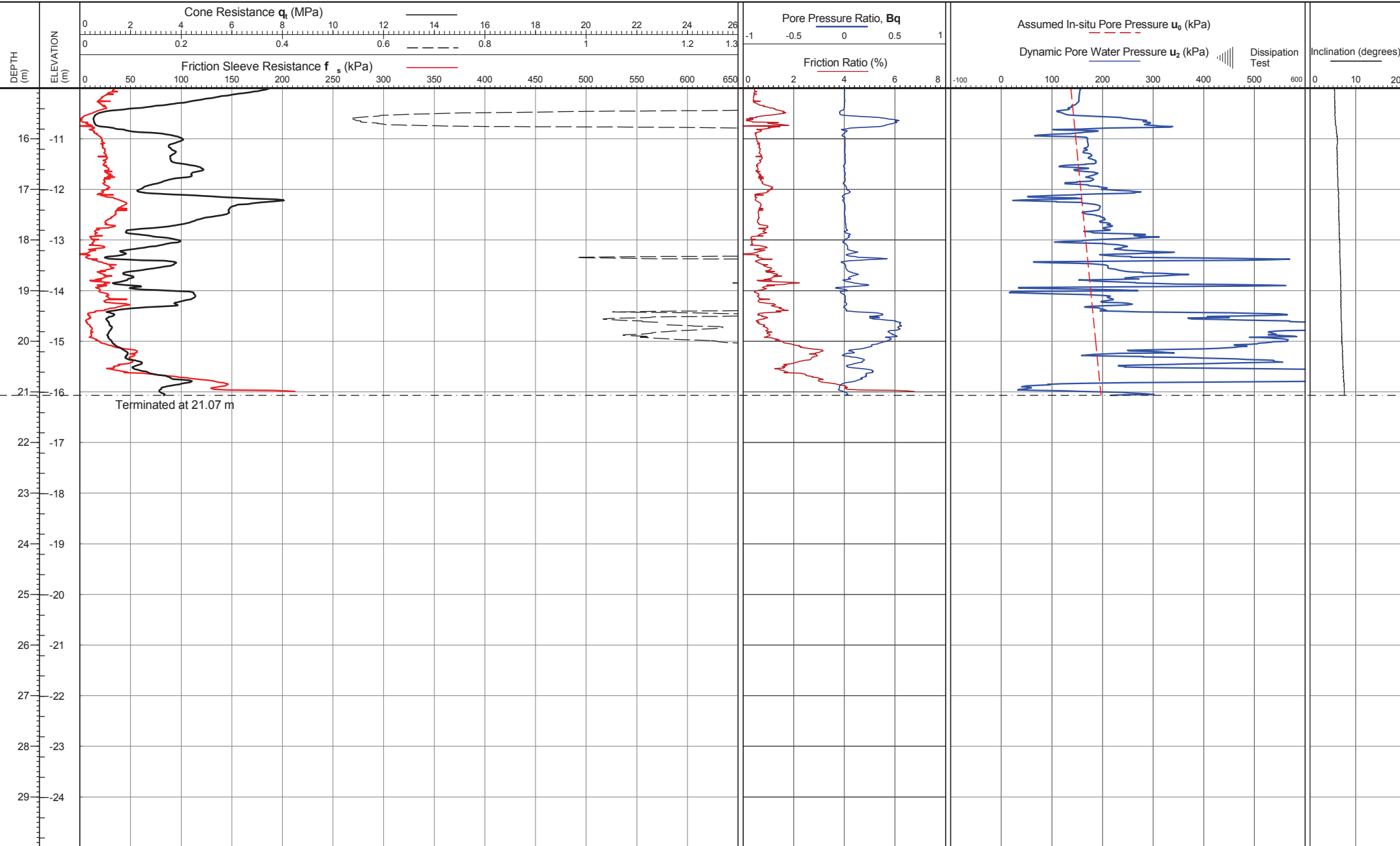
Lankelma Project Ref:
P105654

TEST ID: CPT C-ZG13

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 24/07/2013 09:40:36

Location: Somerset
Coordinates: 334783.274, 142992.992
Elevation: 5.01
Coordinate system:

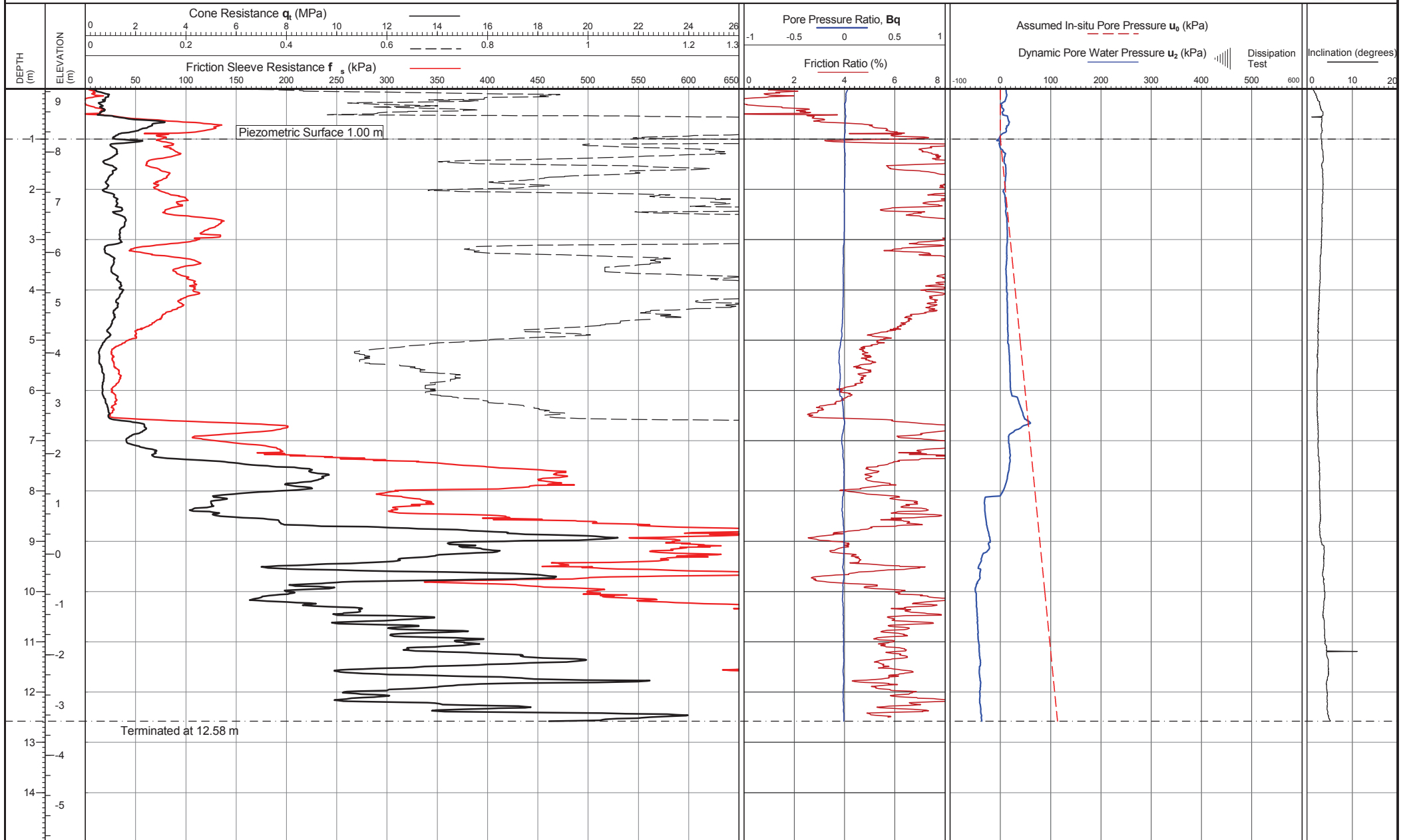
Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-ZG13

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 22/07/2013 12:05:03

Location: Somerset
Coordinates: 332567.893, 140475.113
Elevation: 9.257
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
u2 piezo data
Refusal criteria: Sleeve load

Date of plot:
16-10-13
Checked by:
Emma Stickland

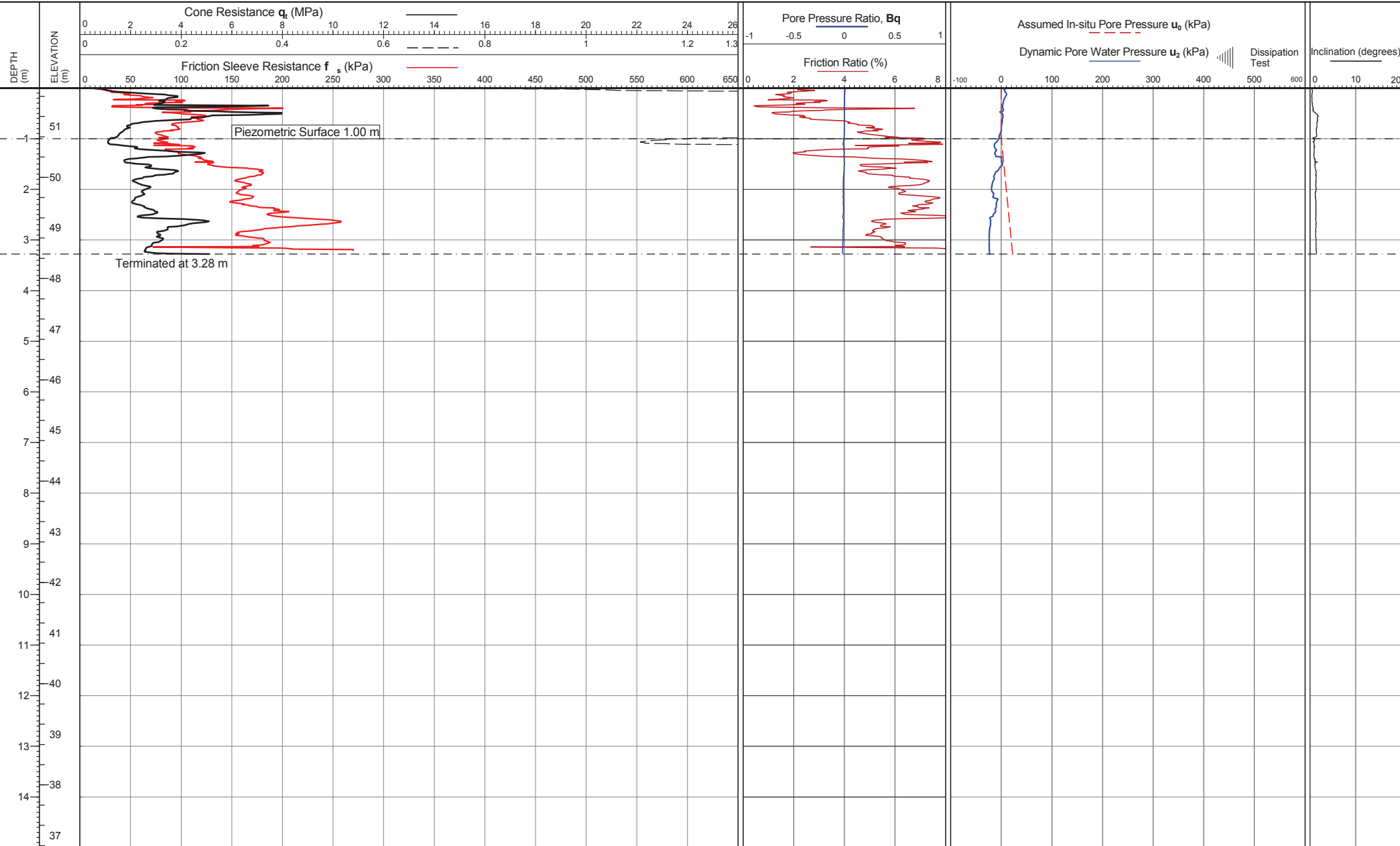
Lankelma Project Ref:
P105654

TEST ID: CPT C-ZG3

Page 1 of 1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



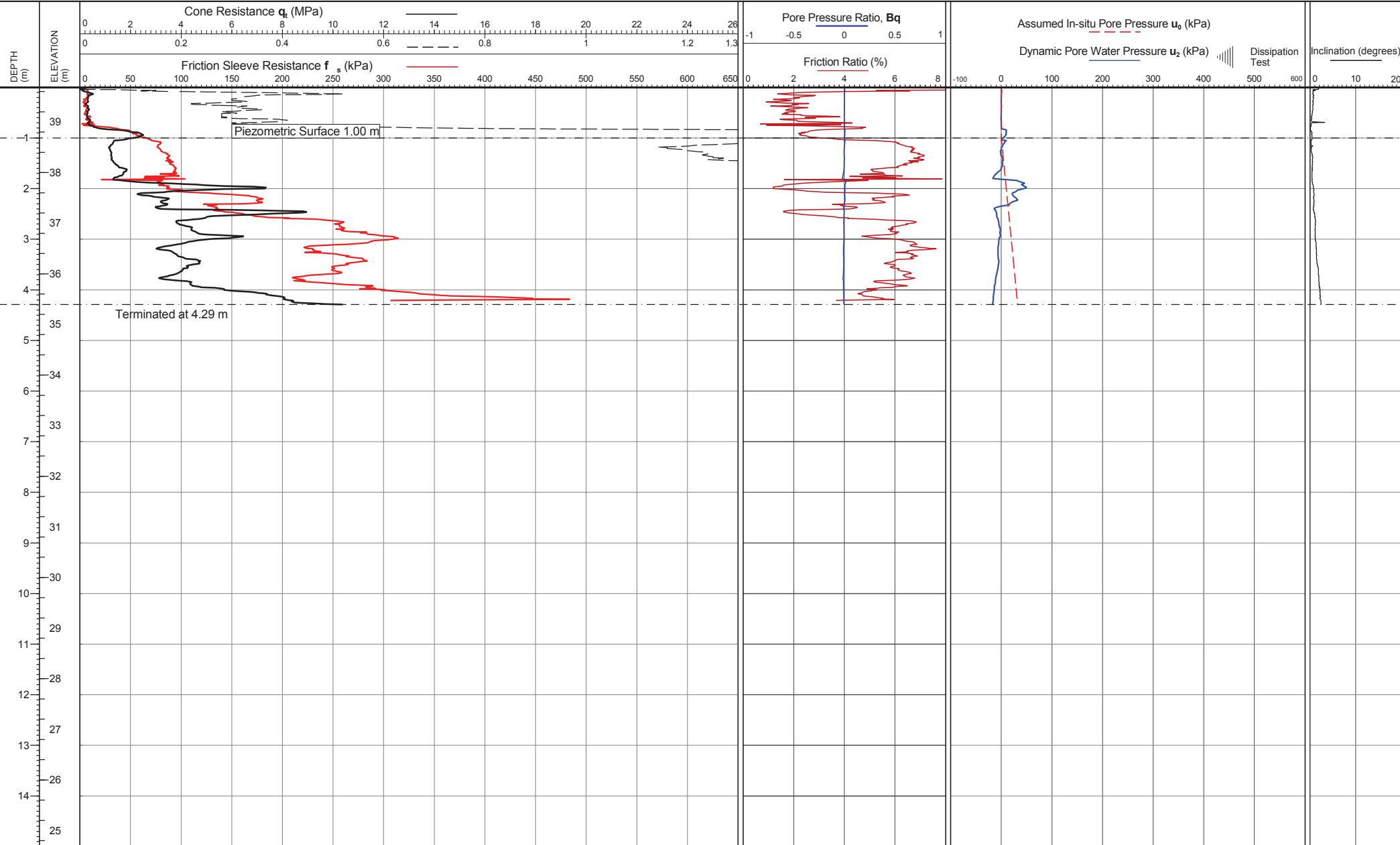
Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 22/07/2013 13:46:42

Location: Somerset
Coordinates: 332910.171, 140918.967
Elevation: 51.762
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot:
16-10-13
Lankelma Project Ref:
P105654
Checked by:
Emma Stickland

TEST ID: CPT C-ZG5



Cone area (mm²):1500
Cone ID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 22/07/2013 14:51:54

Location: Somerset
Coordinates: 333588.114, 141203.073
Elevation: 39.683
Coordinate system:

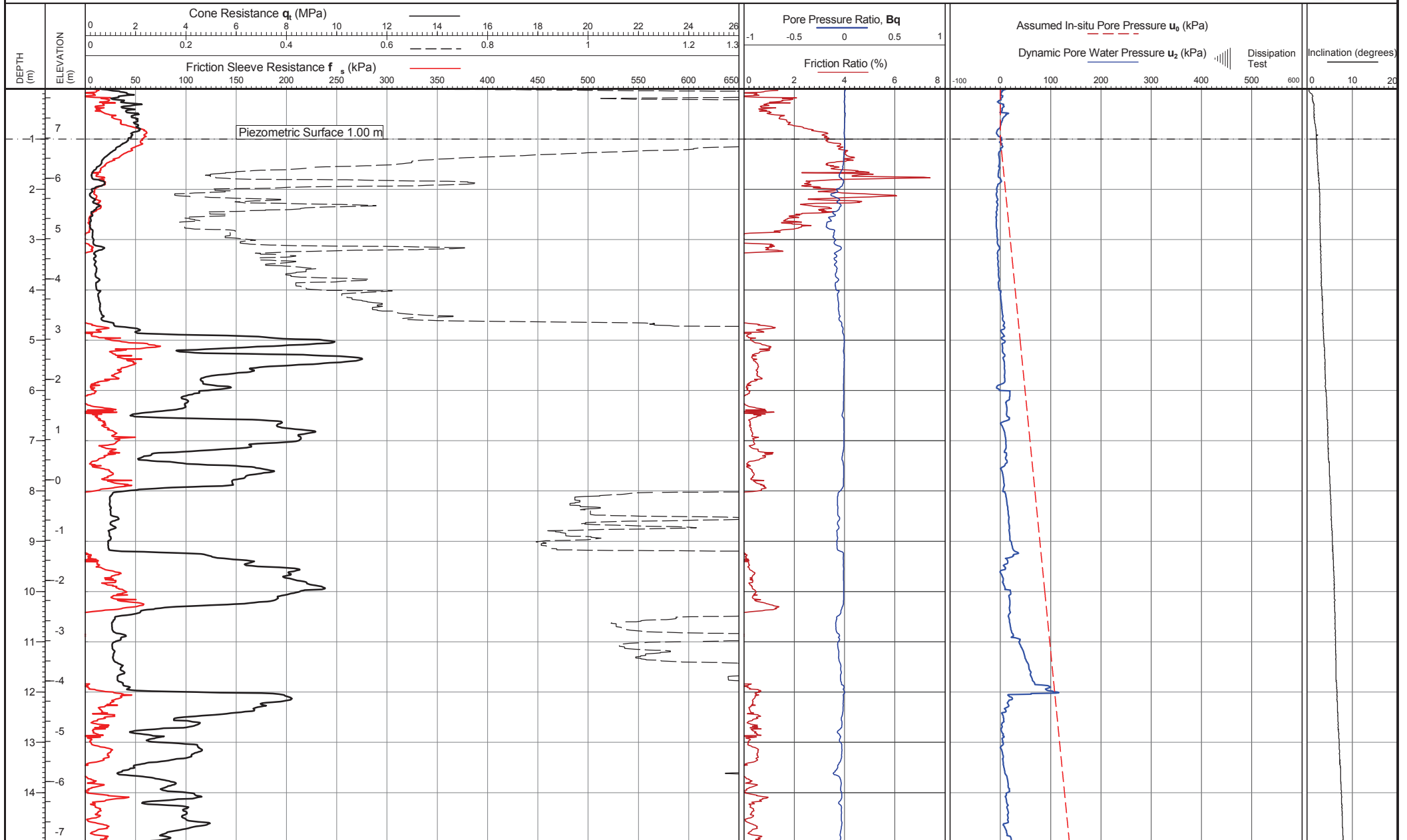
Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-ZG7
Page 1 of 1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500

Cone ID: S15-CFIP.878

Operator: Ben Ranson

Date of test: 22/07/2013 10:28:11

Location: Somerset

Coordinates: 331932.809, 139630.224

Elevation: 7.78

Coordinate system:

Remarks:

*Piezometric surface origin: Est. from u_2 piezo data

Refusal criteria: Tip load

Date of plot:
16-10-13

Lankelma Project Ref:
P105654

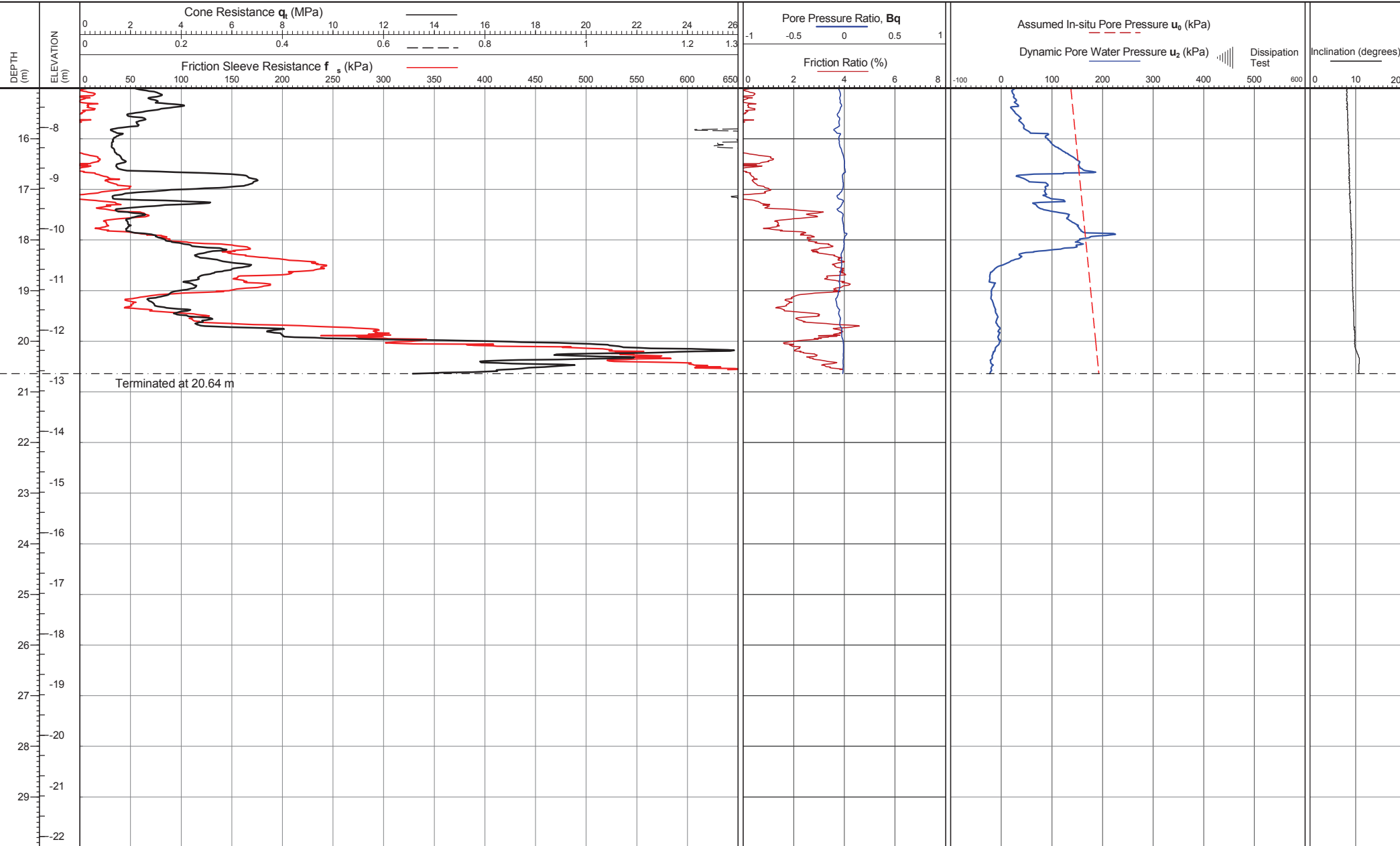
Checked by:
Emma Stickland

TEST ID: CPT VQ43R

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
Cone ID: S15-CFIP.878
Operator: Ben Ranson
Date of test: 22/07/2013 10:28:11

Location: Somerset
Coordinates: 331932.809, 139630.224
Elevation: 7.78
Coordinate system:

Remarks:
*Piezometric surface origin: Est. from
 u_2 piezo data
Refusal criteria: Tip load

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT VQ43R

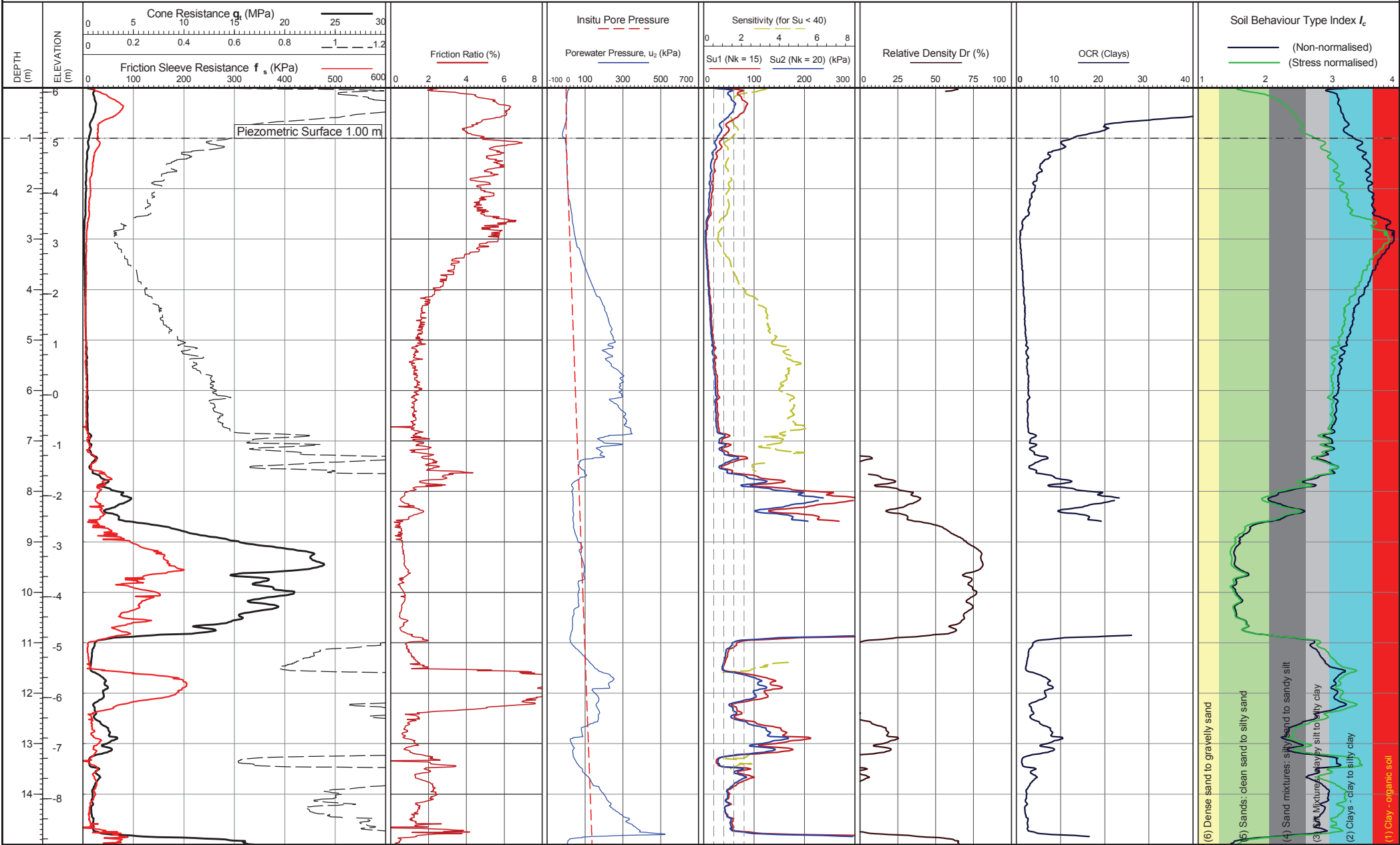
APPENDIX C STANDARD INTERPRETATION RESULTS

LIST OF FIGURES:

Description		Pages included
Cone Penetration Test	CPT C2A	2
Cone Penetration Test	CPT C2B	2
Cone Penetration Test	CPT C2C	2
Cone Penetration Test	CPT C2D	2
Cone Penetration Test	CPT C-LD1	2
Cone Penetration Test	CPT C-LD10	2
Cone Penetration Test	CPT C-LD100	1
Cone Penetration Test	CPT C-LD102	1
Cone Penetration Test	CPT C-LD119	1
Cone Penetration Test	CPT C-LD14	2
Cone Penetration Test	CPT C-LD16	3
Cone Penetration Test	CPT C-LD20	2
Cone Penetration Test	CPT C-LD23	2
Cone Penetration Test	CPT C-LD31	2
Cone Penetration Test	CPT C-LD39	1
Cone Penetration Test	CPT C-LD44	1
Cone Penetration Test	CPT C-LD51	1
Cone Penetration Test	CPT C-LD59	2
Cone Penetration Test	CPT C-LD6	2
Cone Penetration Test	CPT C-LD61	1
Cone Penetration Test	CPT C-LD67	1
Cone Penetration Test	CPT C-LD73	1
Cone Penetration Test	CPT C-LD77	1
Cone Penetration Test	CPT C-LD80	1
Cone Penetration Test	CPT C-LD83	1
Cone Penetration Test	CPT C-LD91	1
Cone Penetration Test	CPT C-LD92	1
Cone Penetration Test	CPT C-LD93	1
Cone Penetration Test	CPT C-LD97	1
Cone Penetration Test	CPT C-ZG11	1
Cone Penetration Test	CPT C-ZG13	2
Cone Penetration Test	CPT C-ZG3	1
Cone Penetration Test	CPT C-ZG5	1
Cone Penetration Test	CPT C-ZG7	1
Cone Penetration Test	CPT VQ43R	2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:23:26

Location: Somerset
Coordinates: 337815.677, 154851.163
Elevation: 6.088
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data



Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

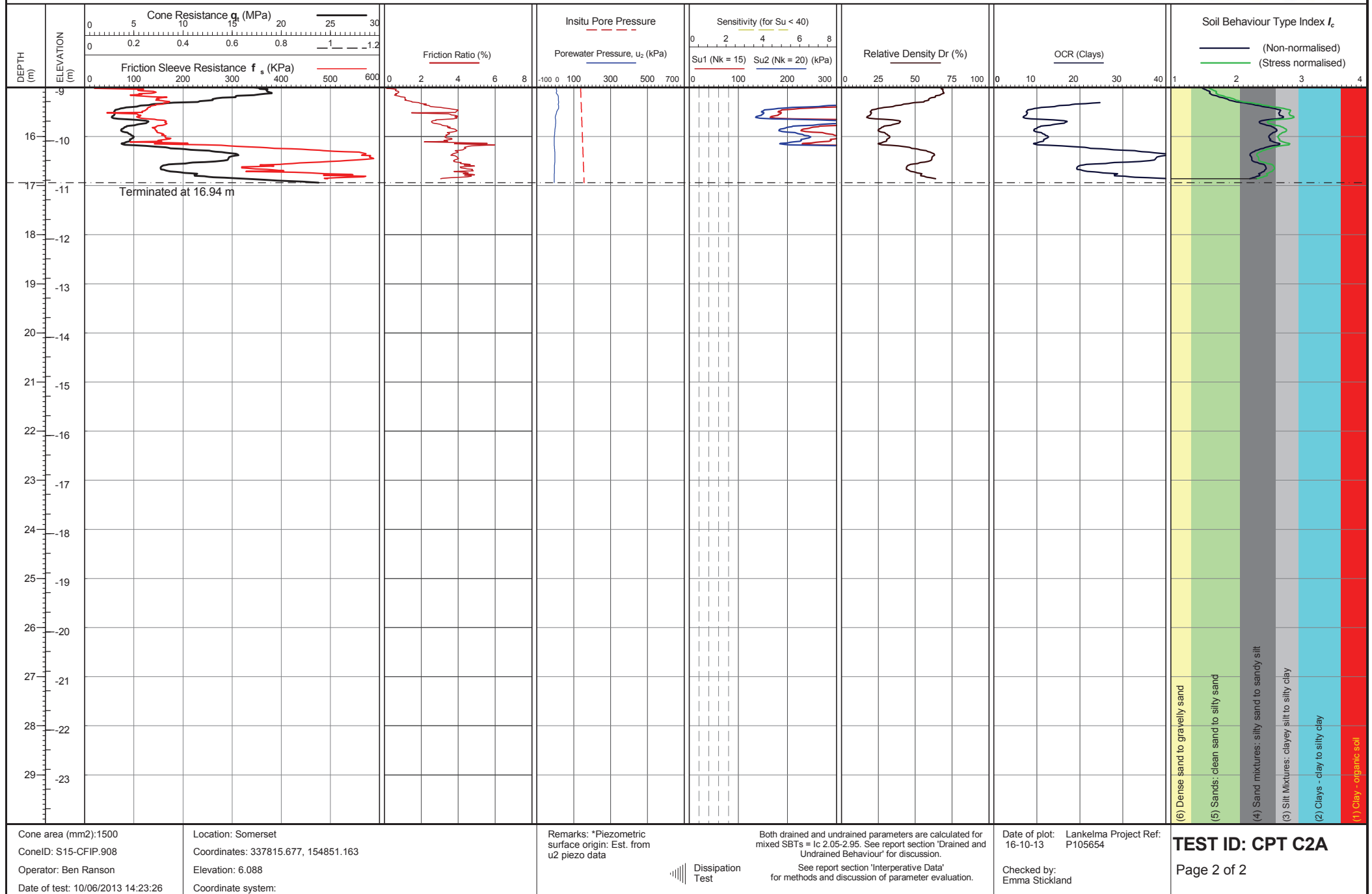
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2A

Page 1 of 2

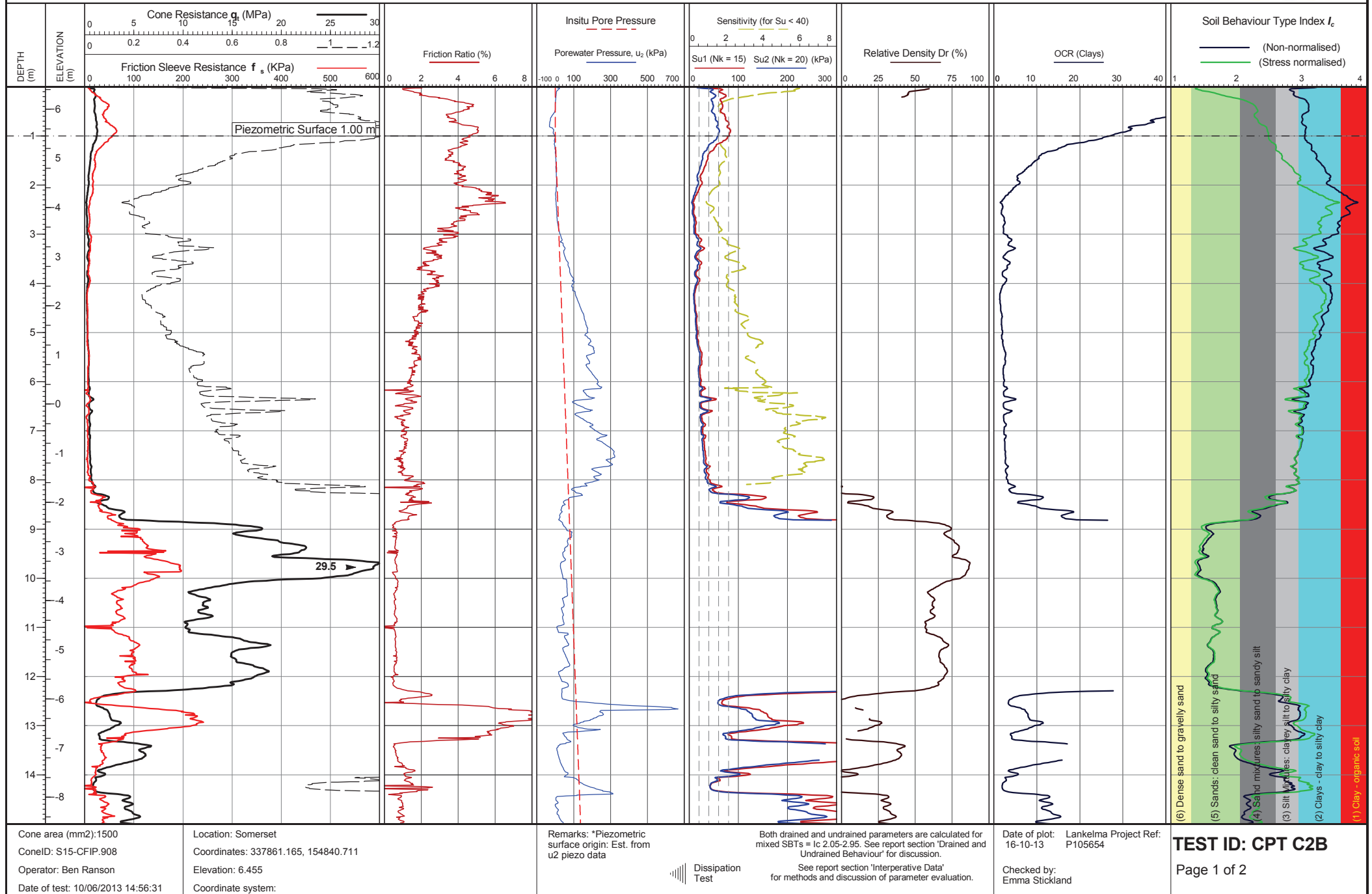
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



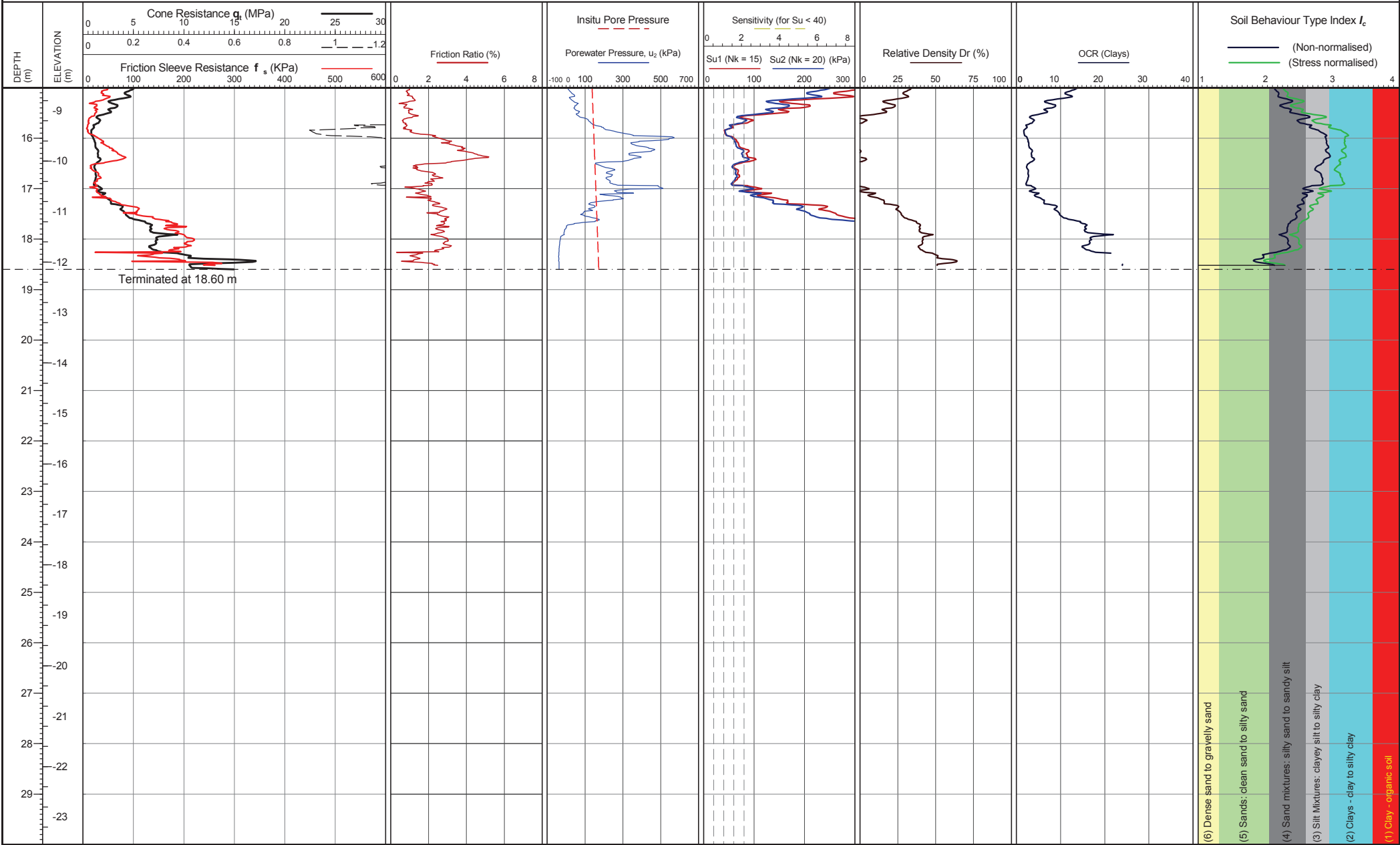
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 14:56:31

Location: Somerset
Coordinates: 337861.165, 154840.711
Elevation: 6.455
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data



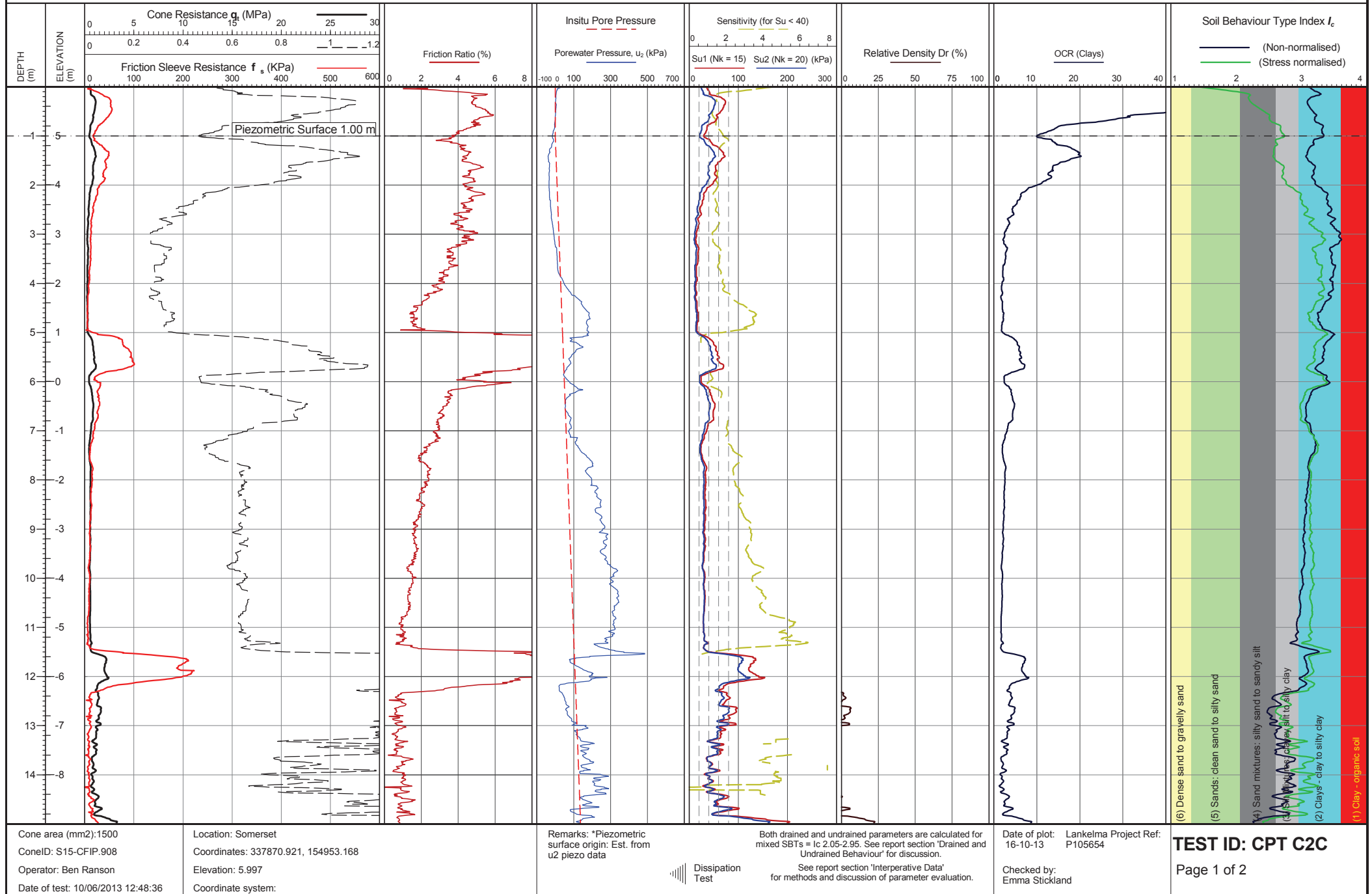
Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2B
Page 2 of 2

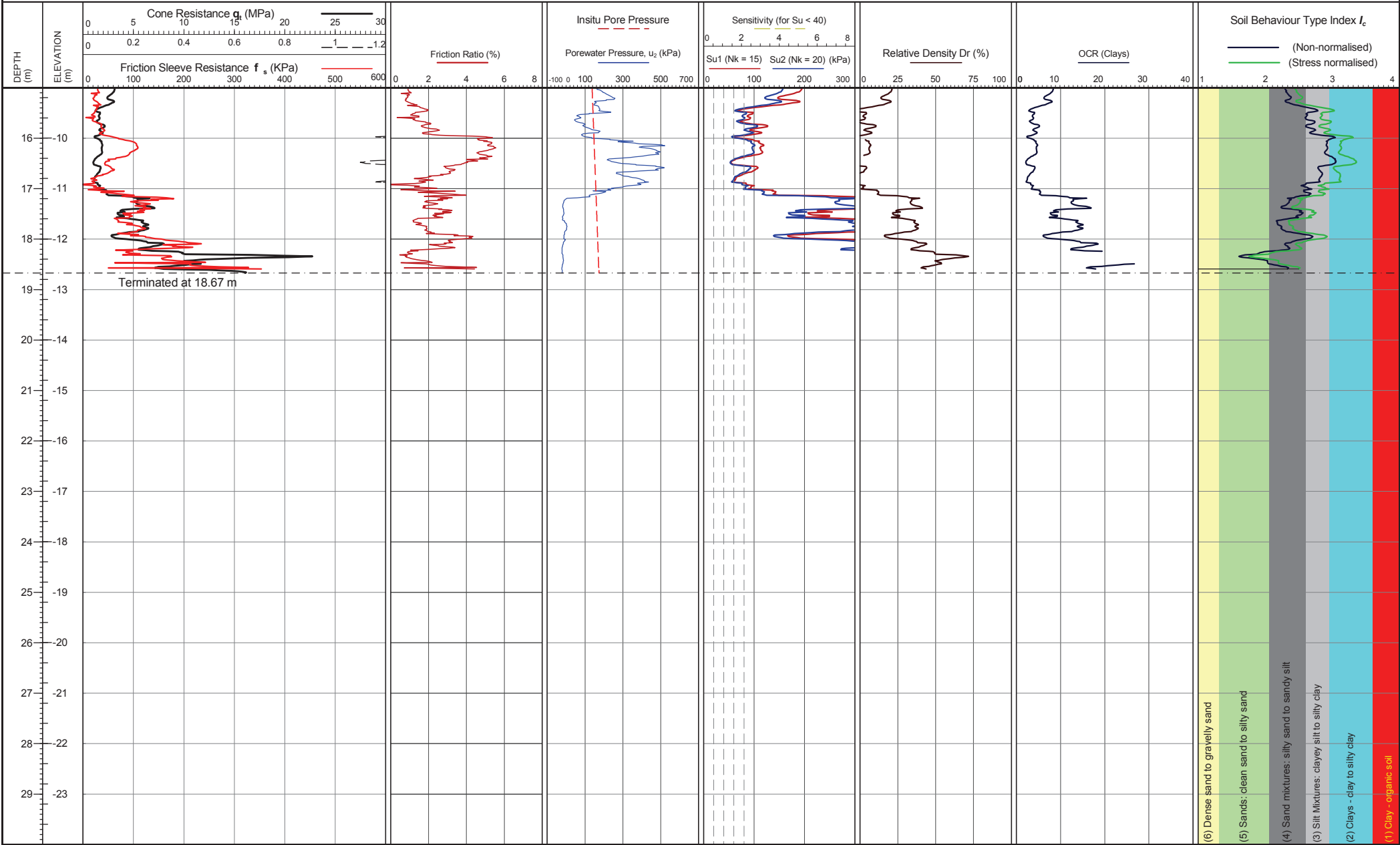
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²): 1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:48:36

Location: Somerset
Coordinates: 337870.921, 154953.168
Elevation: 5.997
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

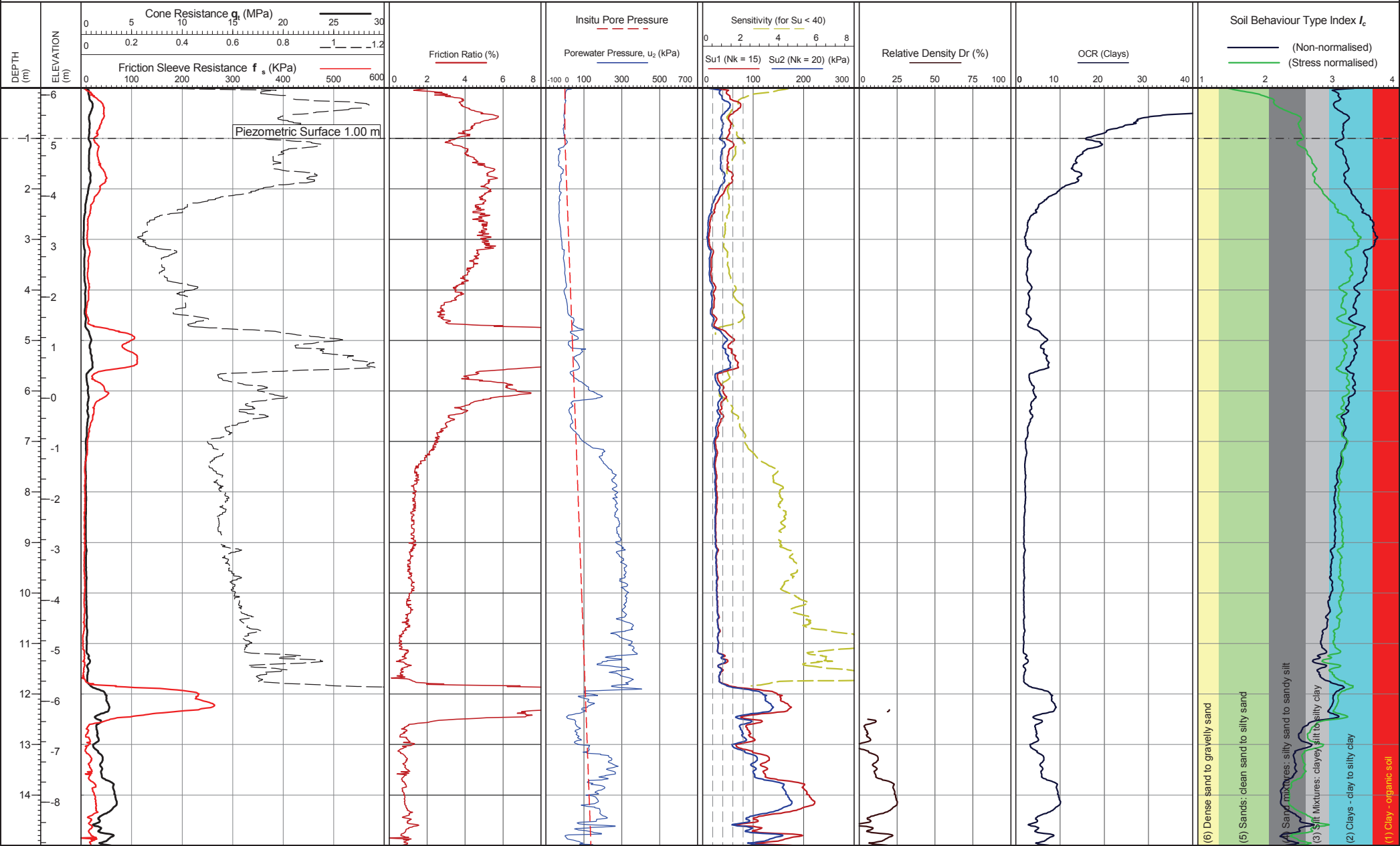
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2C

Page 2 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:11:37

Location: Somerset
Coordinates: 337910.926, 154955.393
Elevation: 6.143
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data



Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

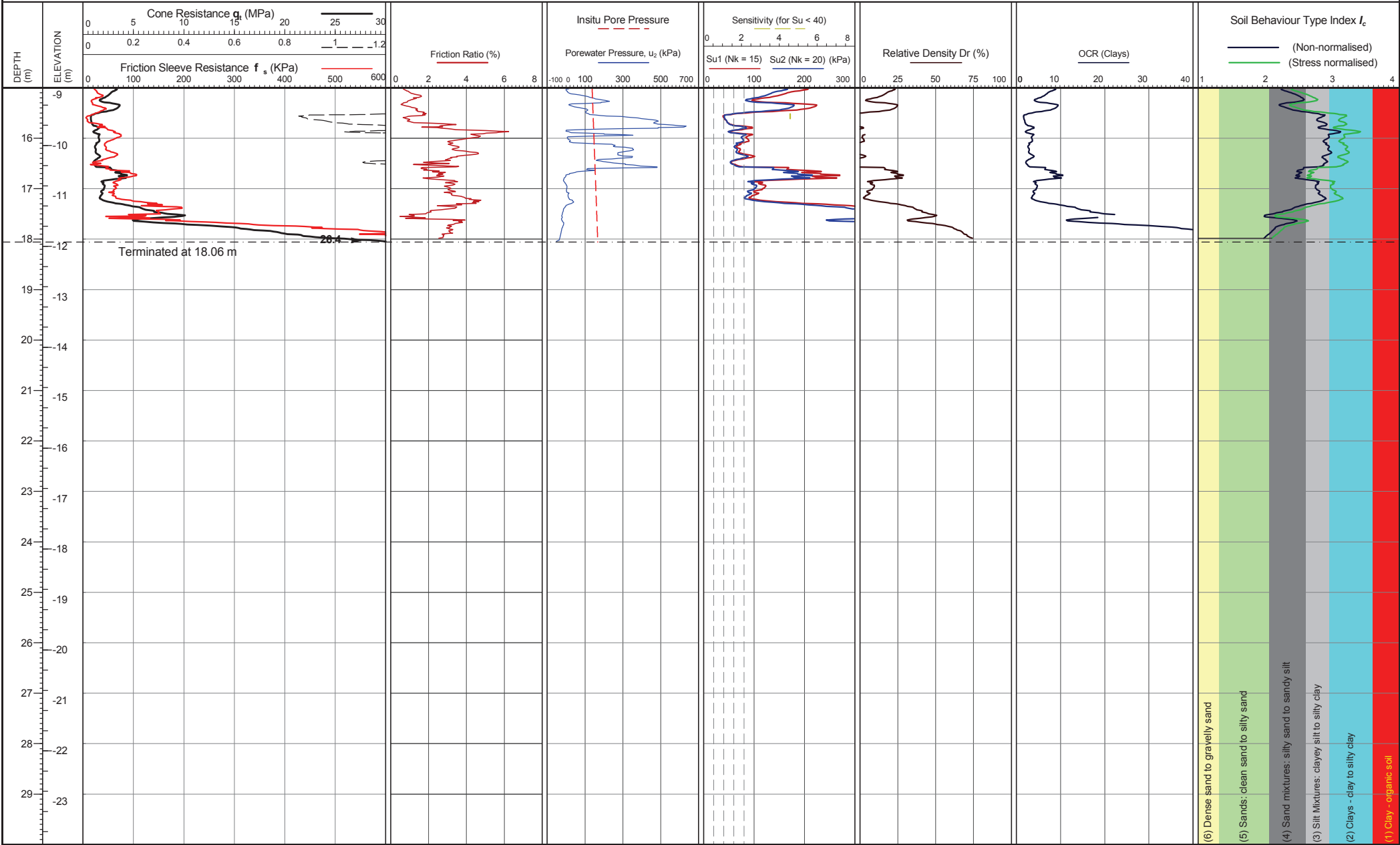
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2D

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 10/06/2013 12:11:37

Location: Somerset
Coordinates: 337910.926, 154955.393
Elevation: 6.143
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

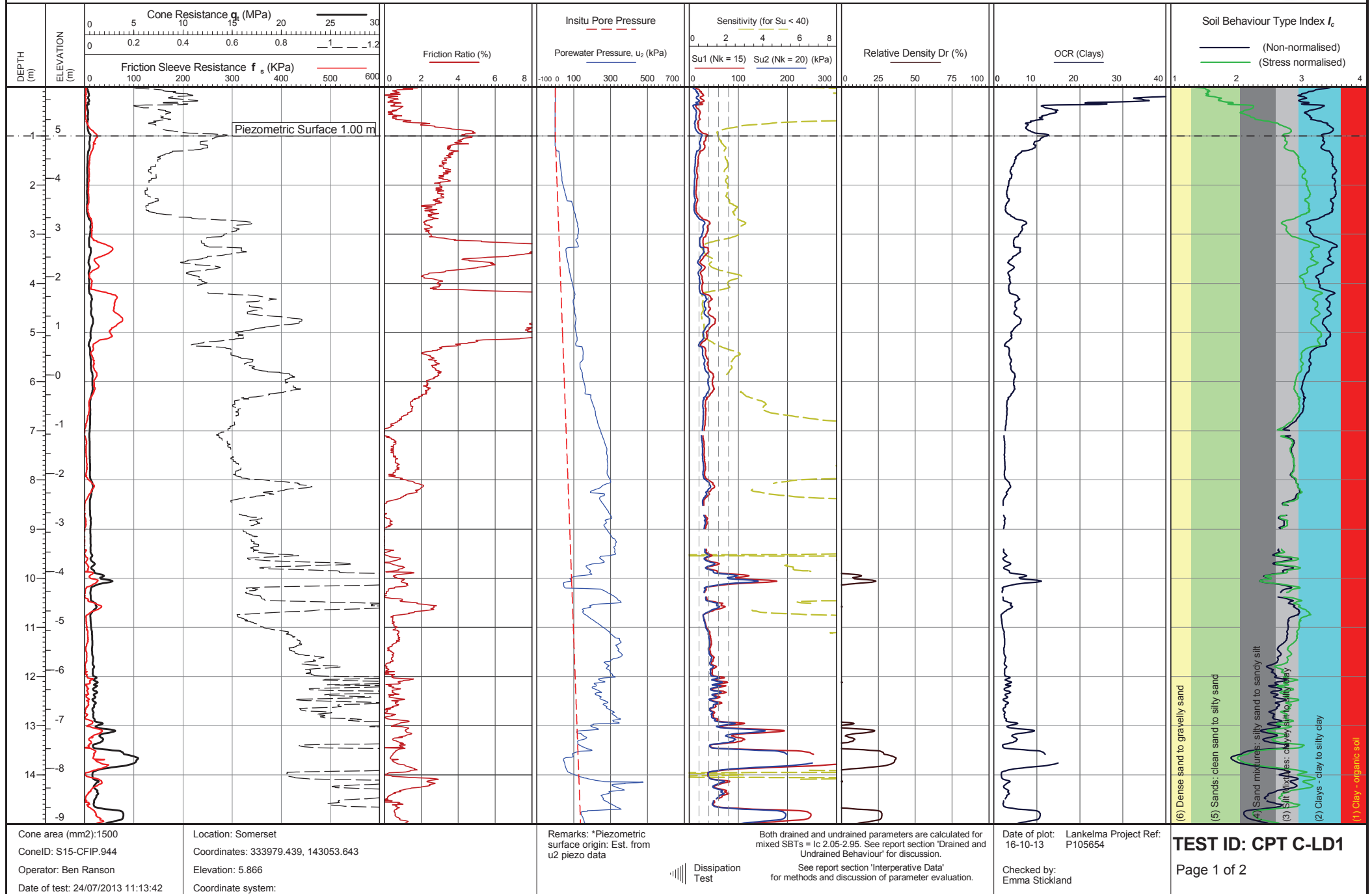
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C2D

Page 2 of 2

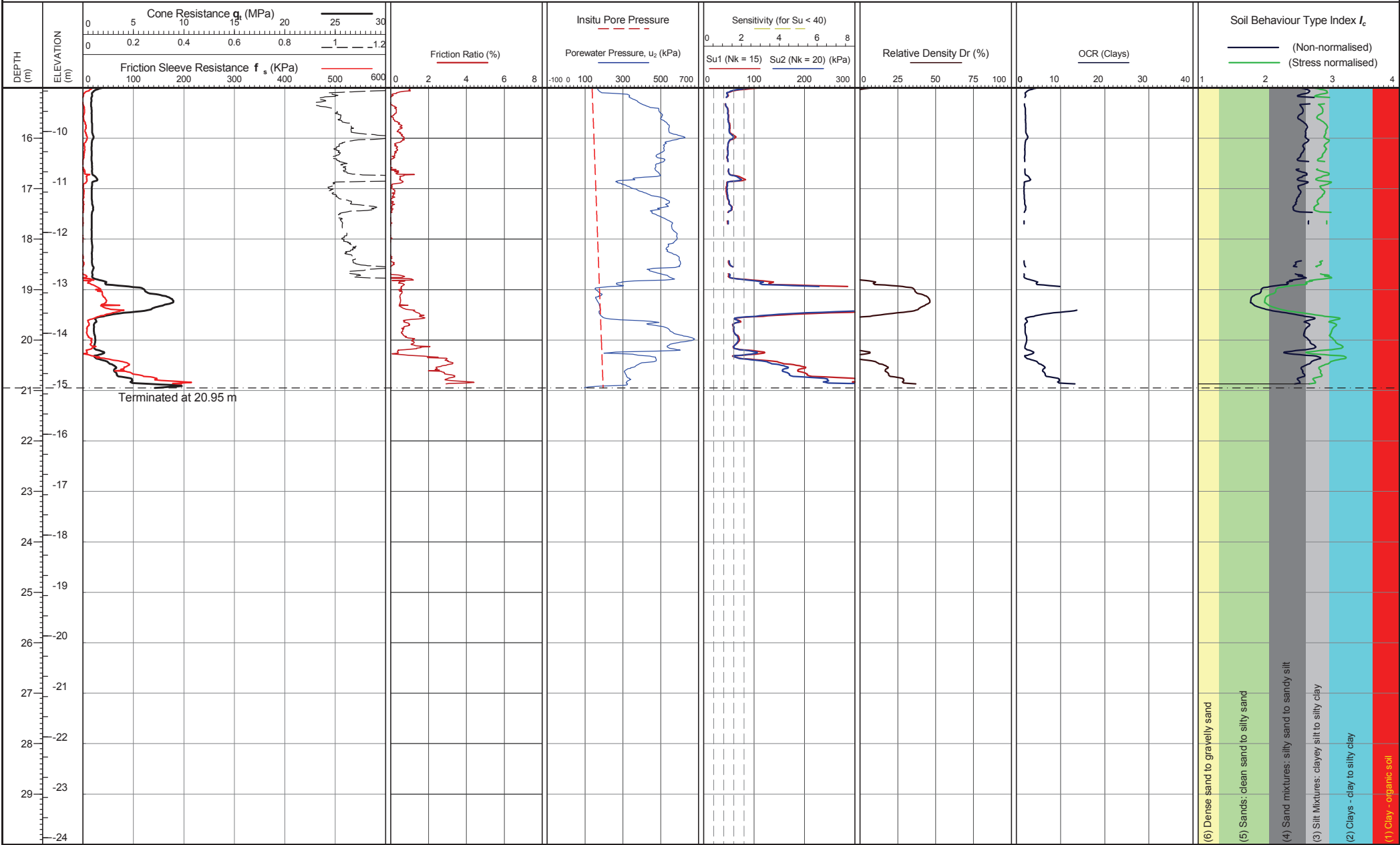
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 11:13:42

Location: Somerset
Coordinates: 333979.439, 143053.643
Elevation: 5.866
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data

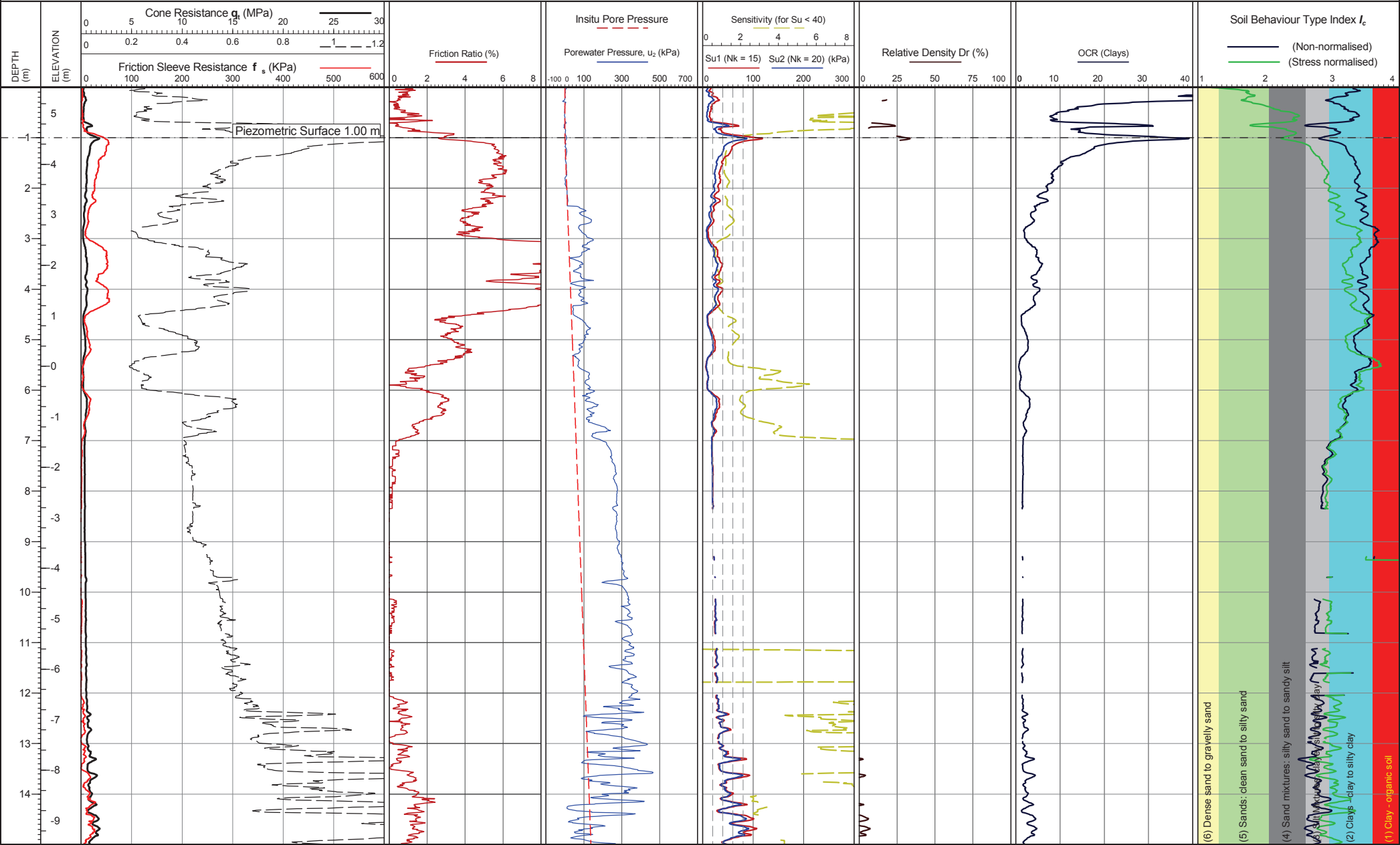


Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD1

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Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 09:30:10

Location: Somerset
Coordinates: 335974.524, 145433.904
Elevation: 5.528
Coordinate system:

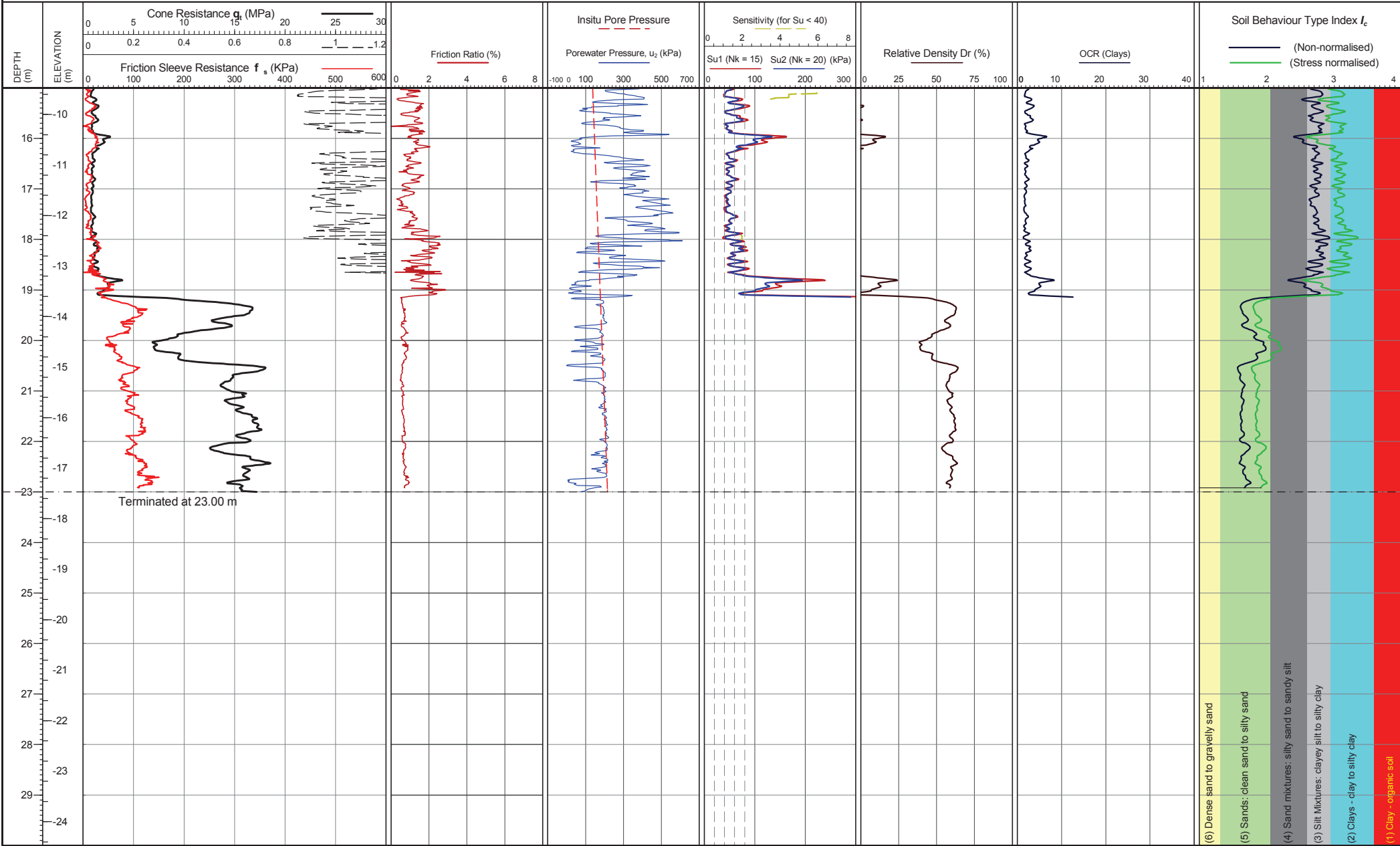
Remarks: *Piezometric surface origin: Est. from u₂ piezo data



Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD10
Page 1 of 2



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 09:30:10

Location: Somerset
Coordinates: 335974.524, 145433.904
Elevation: 5.528
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



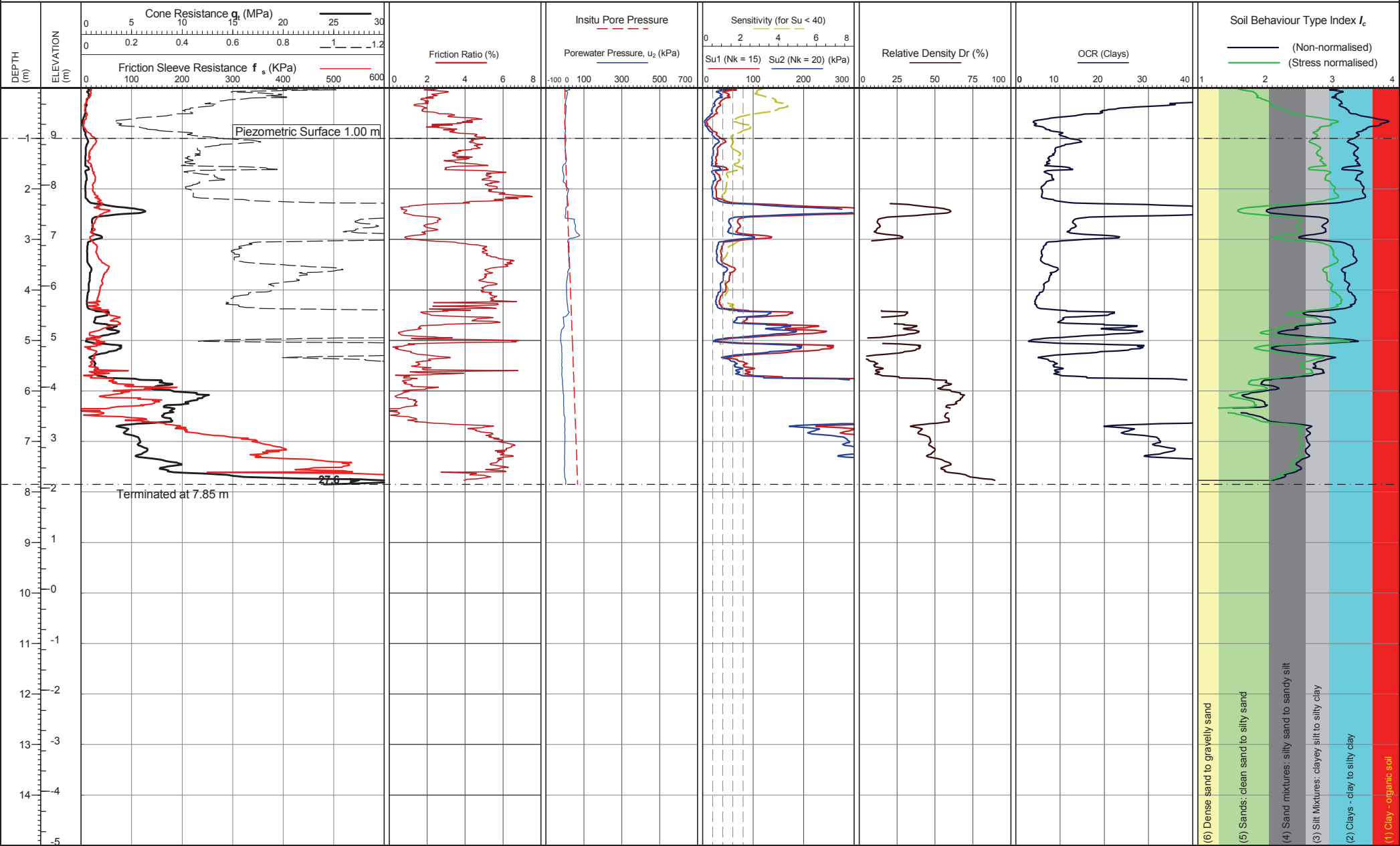
Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD10
Page 2 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.819
Operator: Ben Ranson
Date of test: 25/07/2013 14:44:05

Location: Somerset
Coordinates: 351000.939, 176135.297
Elevation: 9.923
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u2 piezo data



Dissipation
Test

Both drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

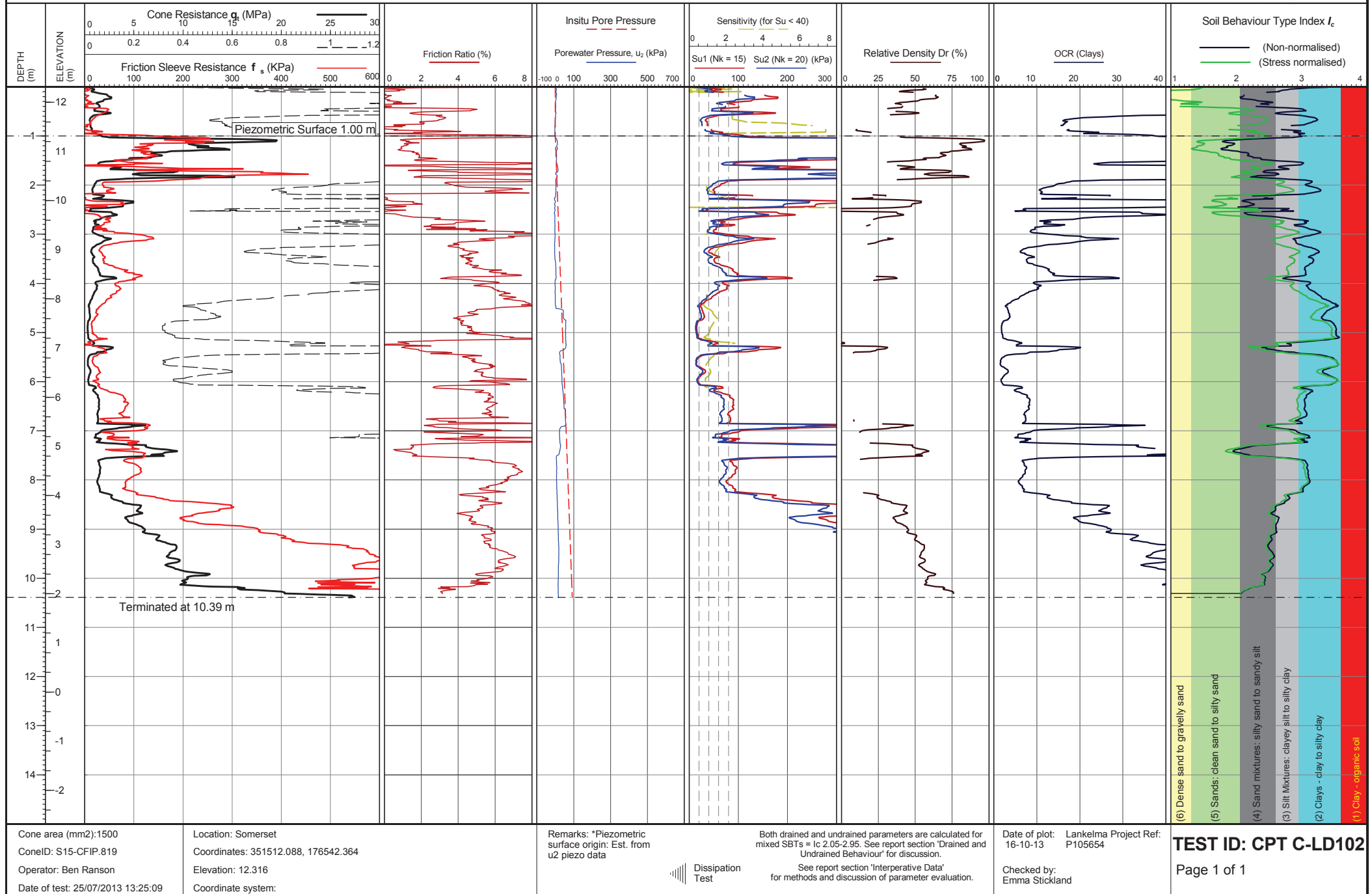
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

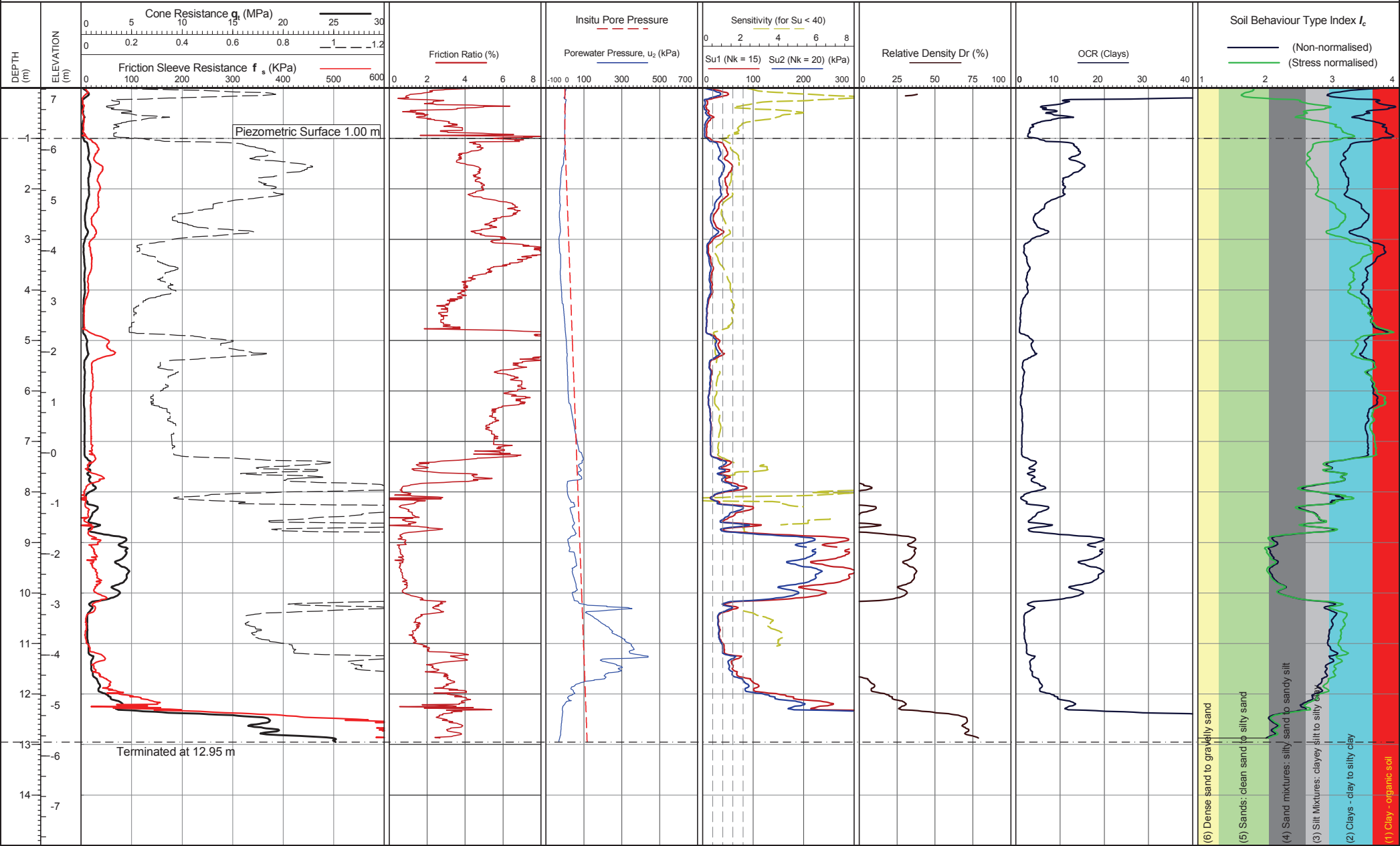
TEST ID: CPT C-LD100

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Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK





Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 14/06/2013 12:54:11

Location: Somerset
Coordinates: 354025.472, 179579.245
Elevation: 7.228
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u2 piezo data



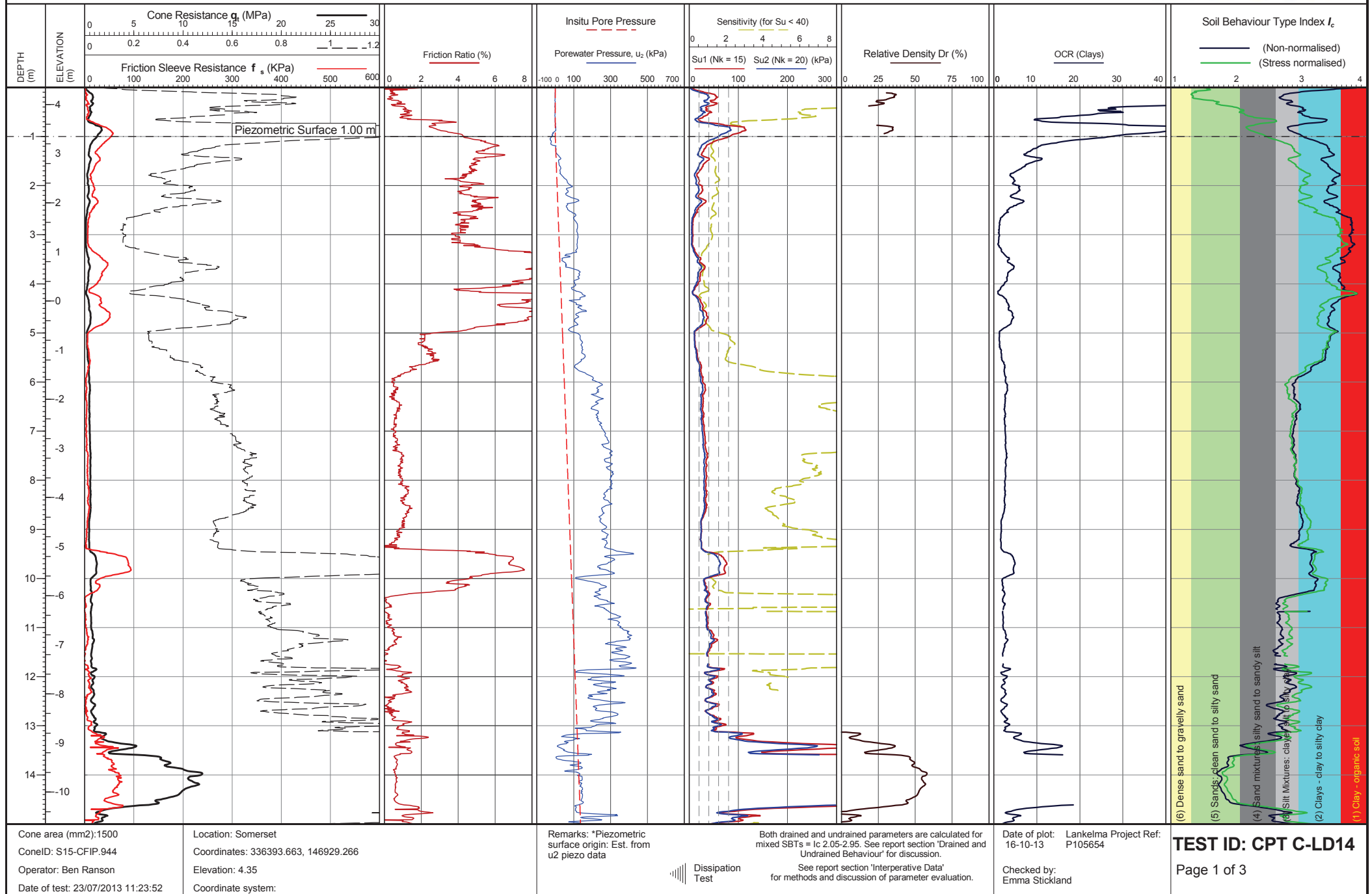
Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD119
Page 1 of 1

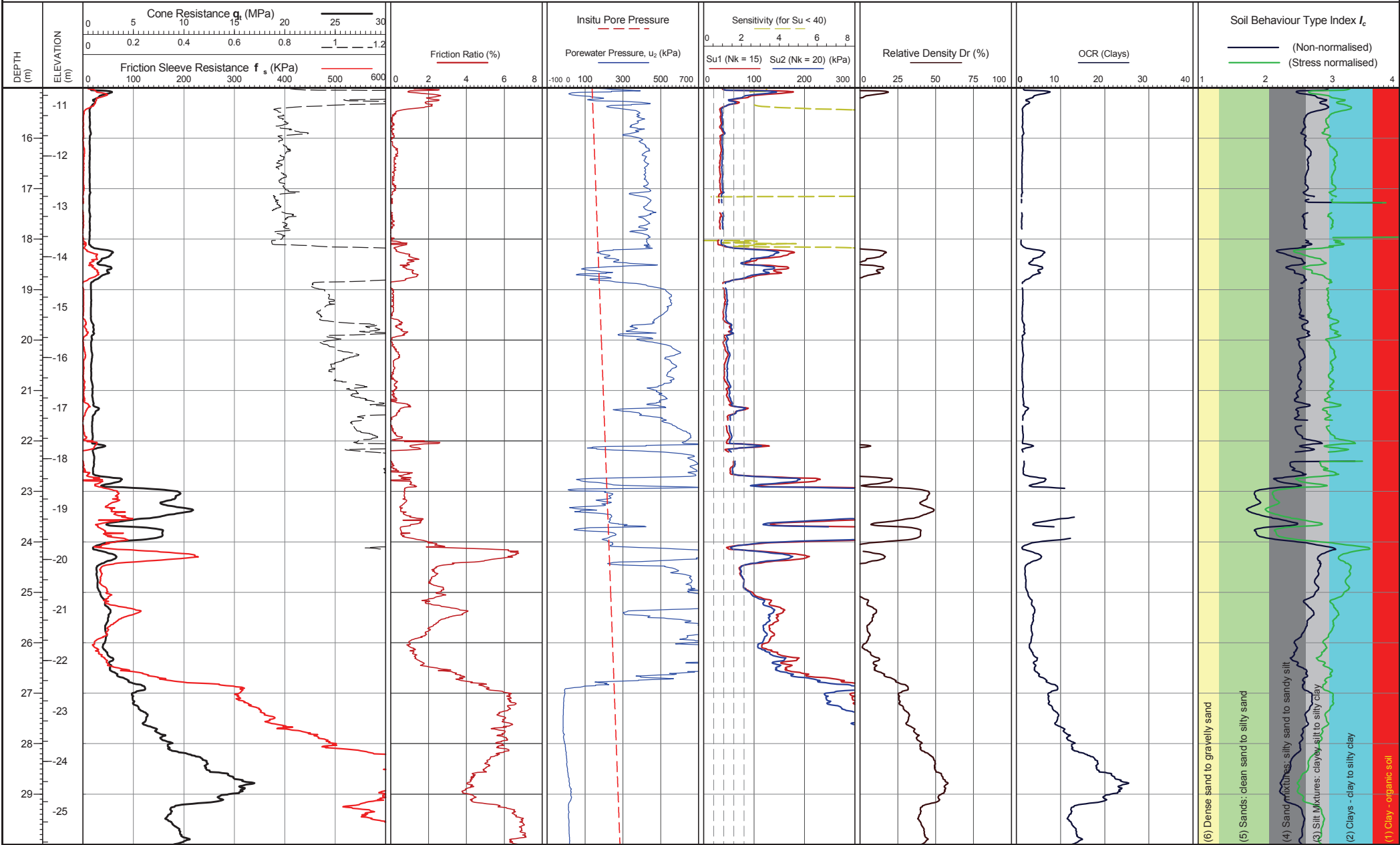
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 23/07/2013 11:23:52

Location: Somerset
Coordinates: 336393.663, 146929.266
Elevation: 4.35
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

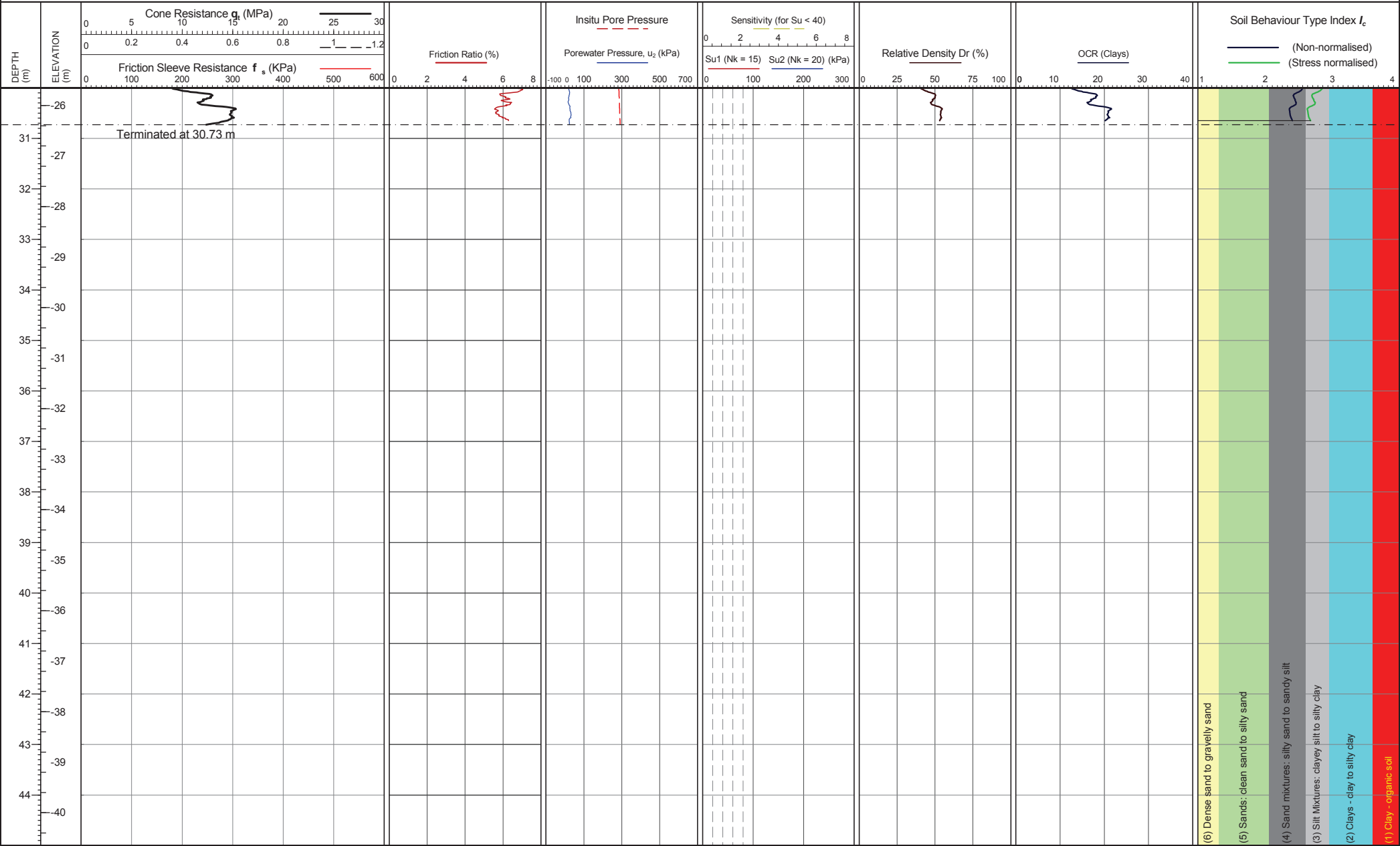
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD14

Page 2 of 3

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 23/07/2013 11:23:52

Location: Somerset
Coordinates: 336393.663, 146929.266
Elevation: 4.35
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u₂ piezo data



Dissipation
Test

Both drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

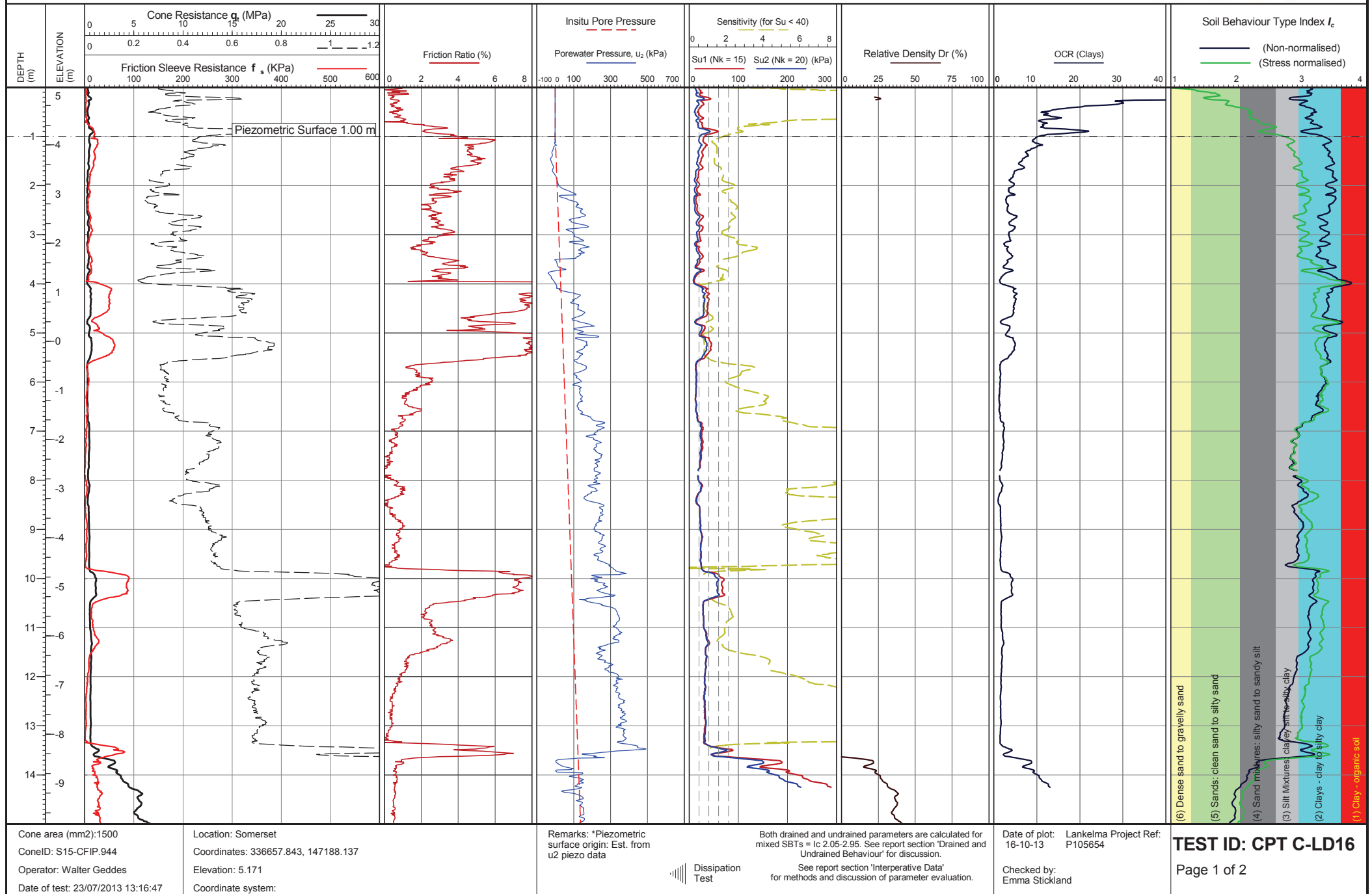
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD14

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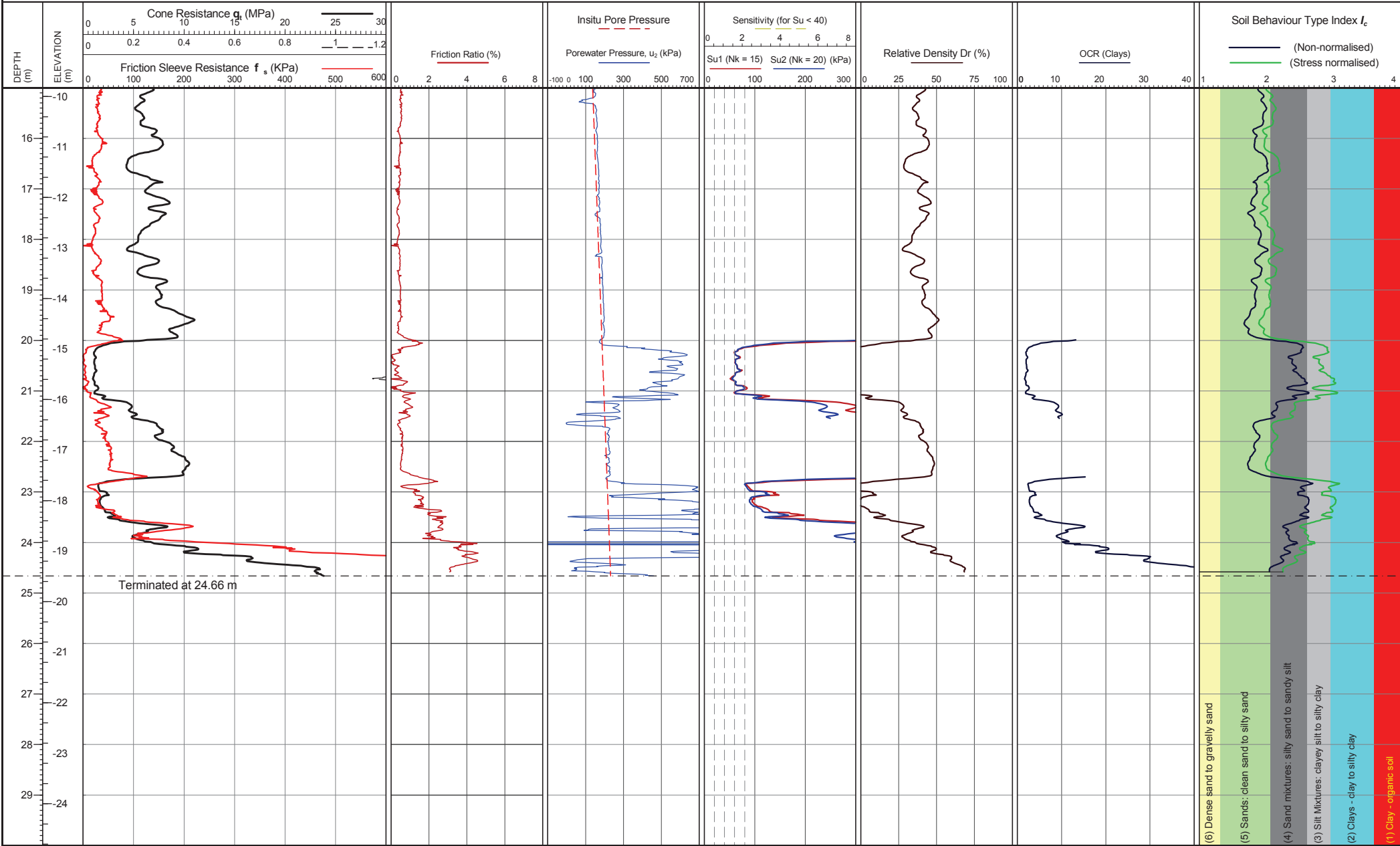
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

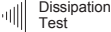
Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 13:16:47

Location: Somerset
Coordinates: 336657.843, 147188.137
Elevation: 5.171
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data

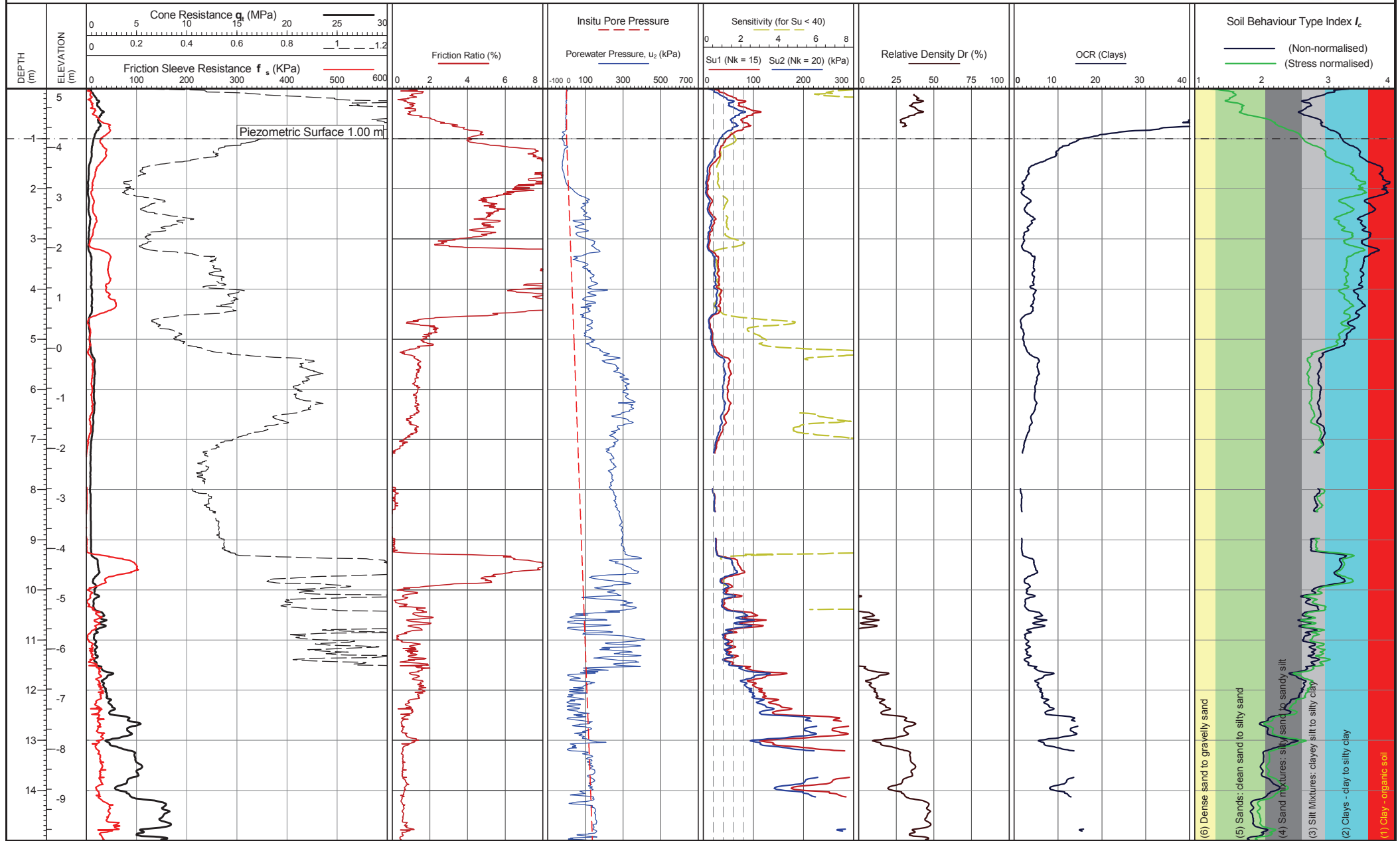


Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

Client: STRUCTURAL SOILS

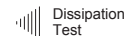
Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 15:24:53

Location: Somerset
Coordinates: 336592.409, 148397.933
Elevation: 5.177
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
 u_2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

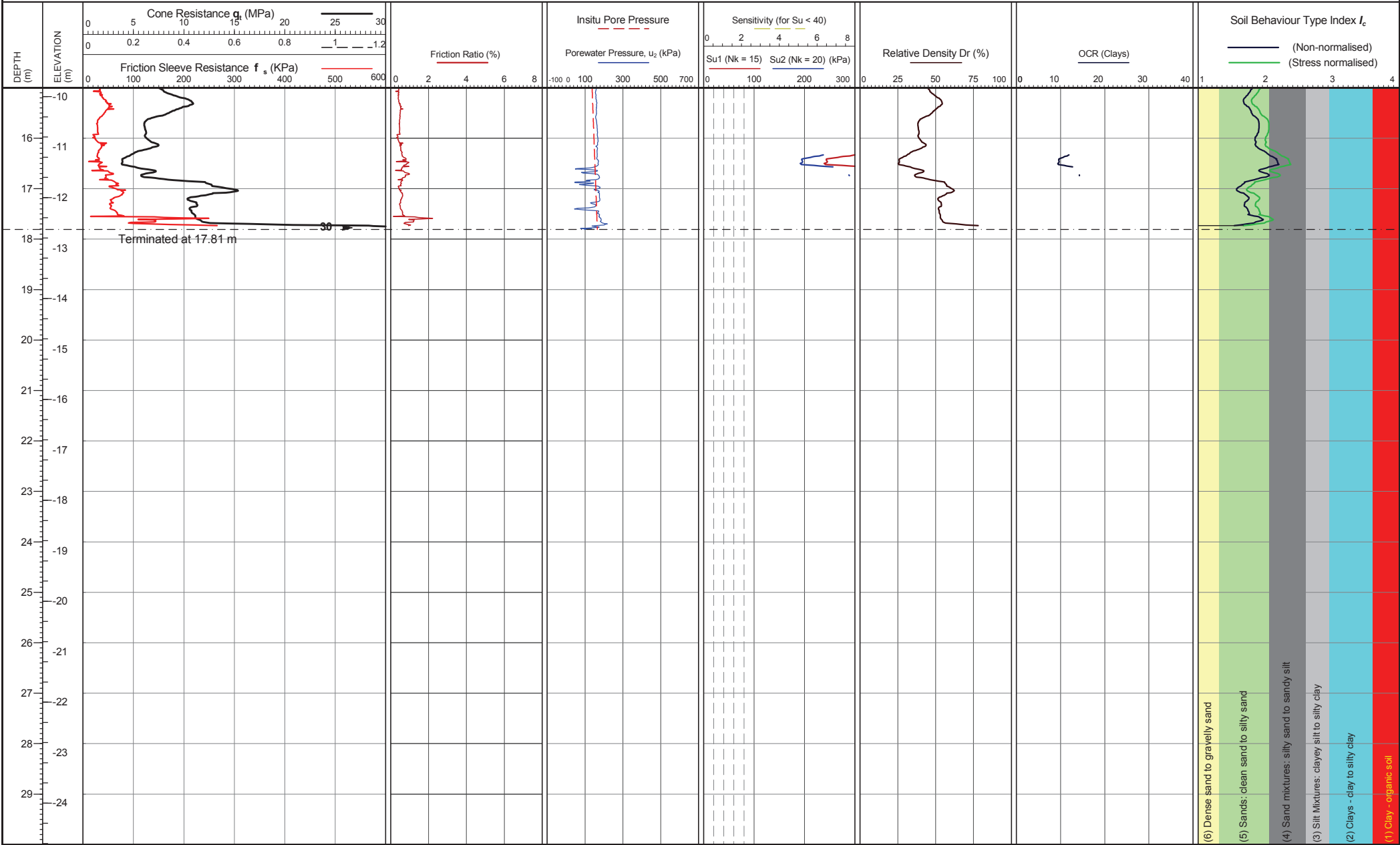
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD20

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Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 23/07/2013 15:24:53

Location: Somerset
Coordinates: 336592.409, 148397.933
Elevation: 5.177
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u2 piezo data



Both drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

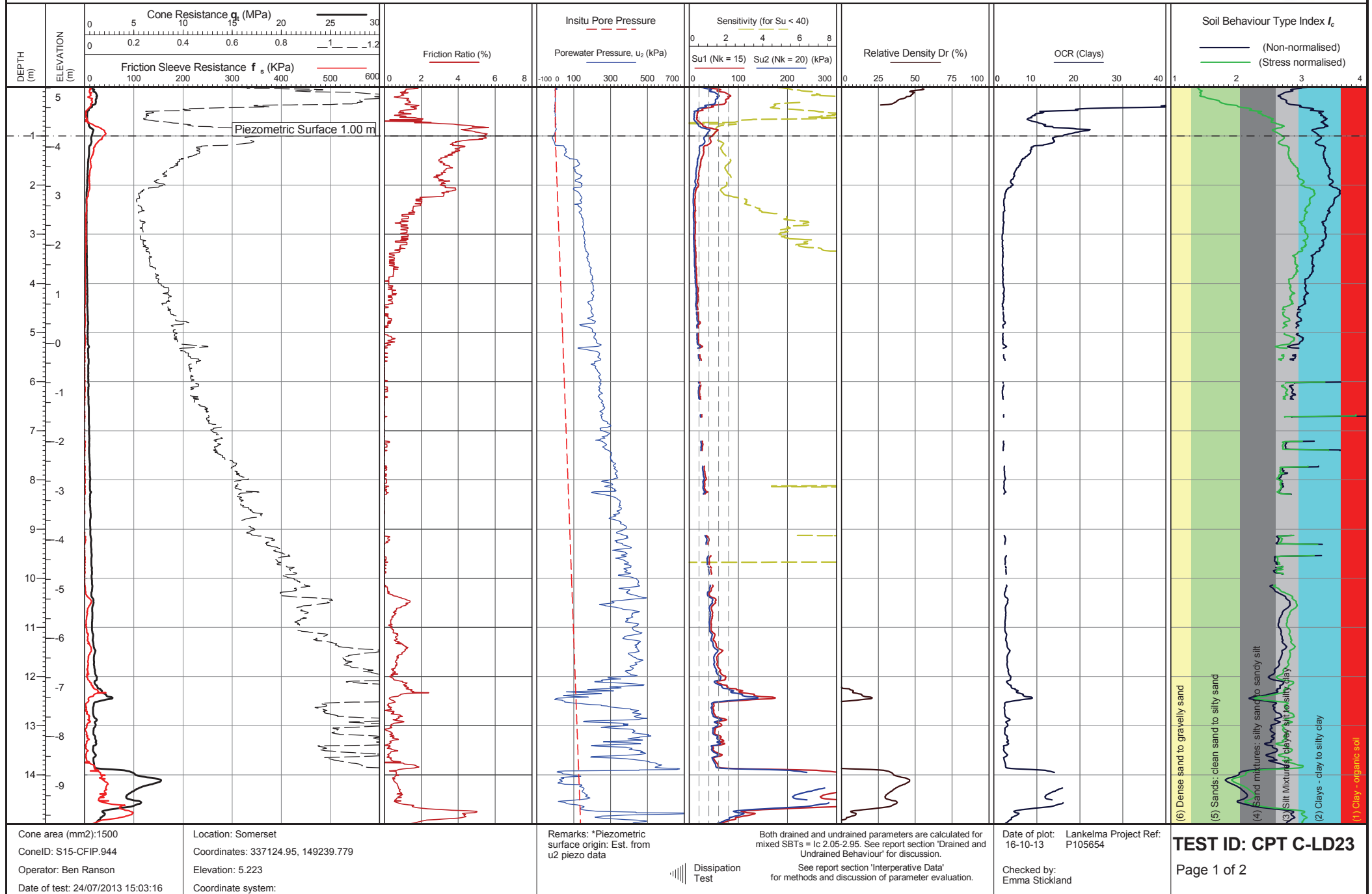
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD20

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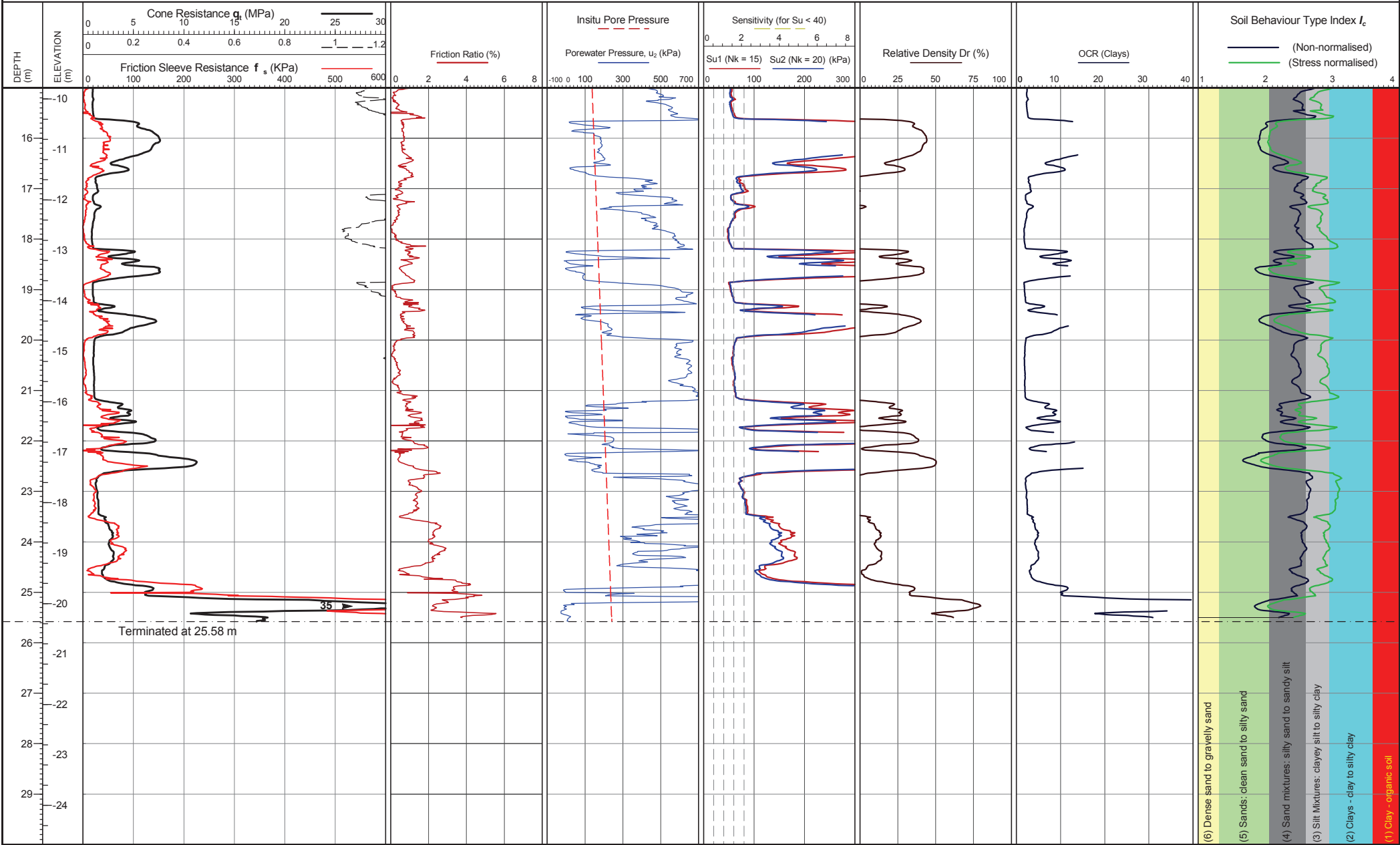
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 24/07/2013 15:03:16

Location: Somerset
Coordinates: 337124.95, 149239.779
Elevation: 5.223
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

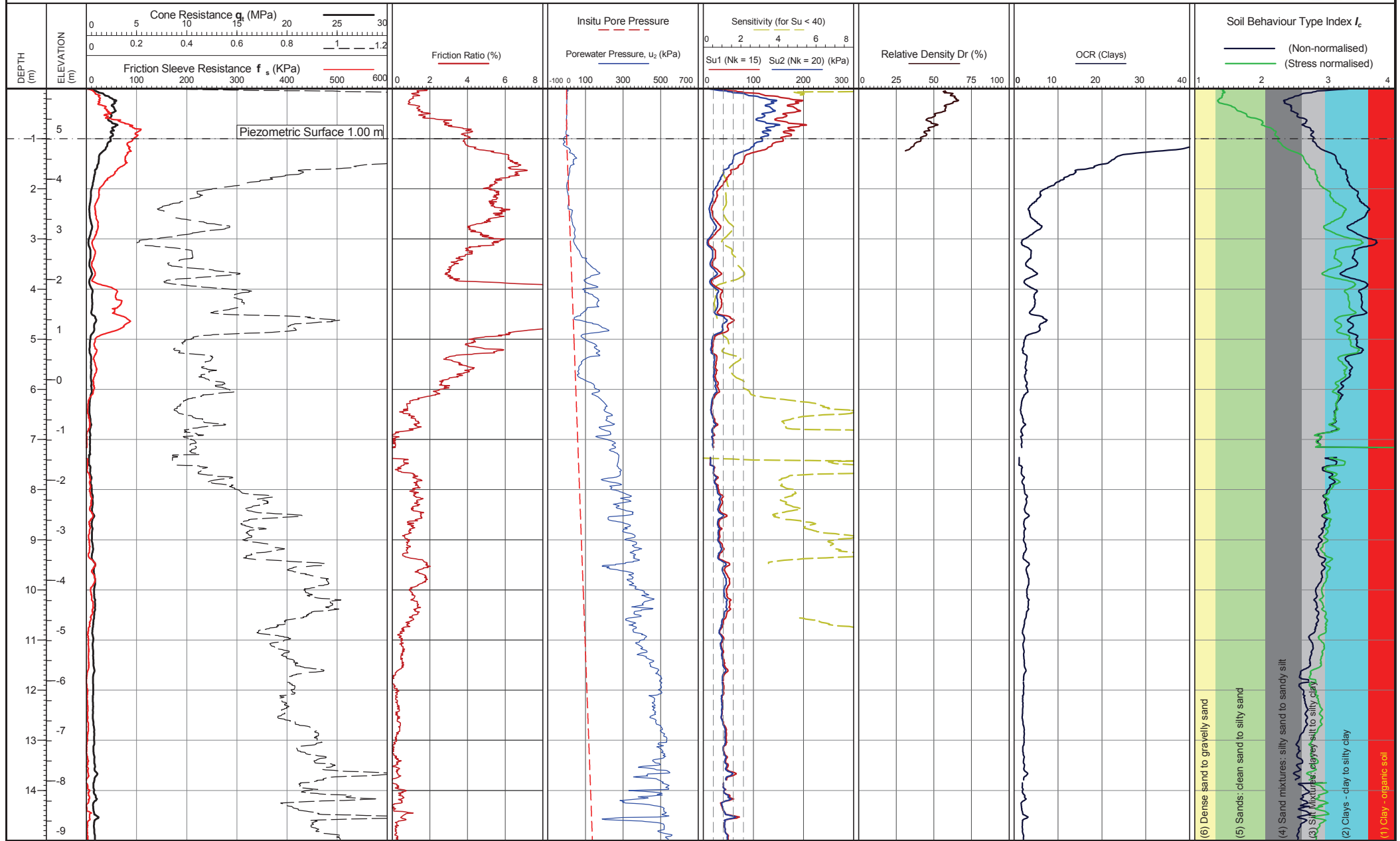
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD23

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Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

ConeID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 25/07/2013 08:27:11

Location: Somerset

Coordinates: 337403.159, 152264.669

Elevation: 5.811

Coordinate system:

Remarks: *Piezometric surface origin: Est. from u2 piezo data



Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.

See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13 Lankelma Project Ref: P105654

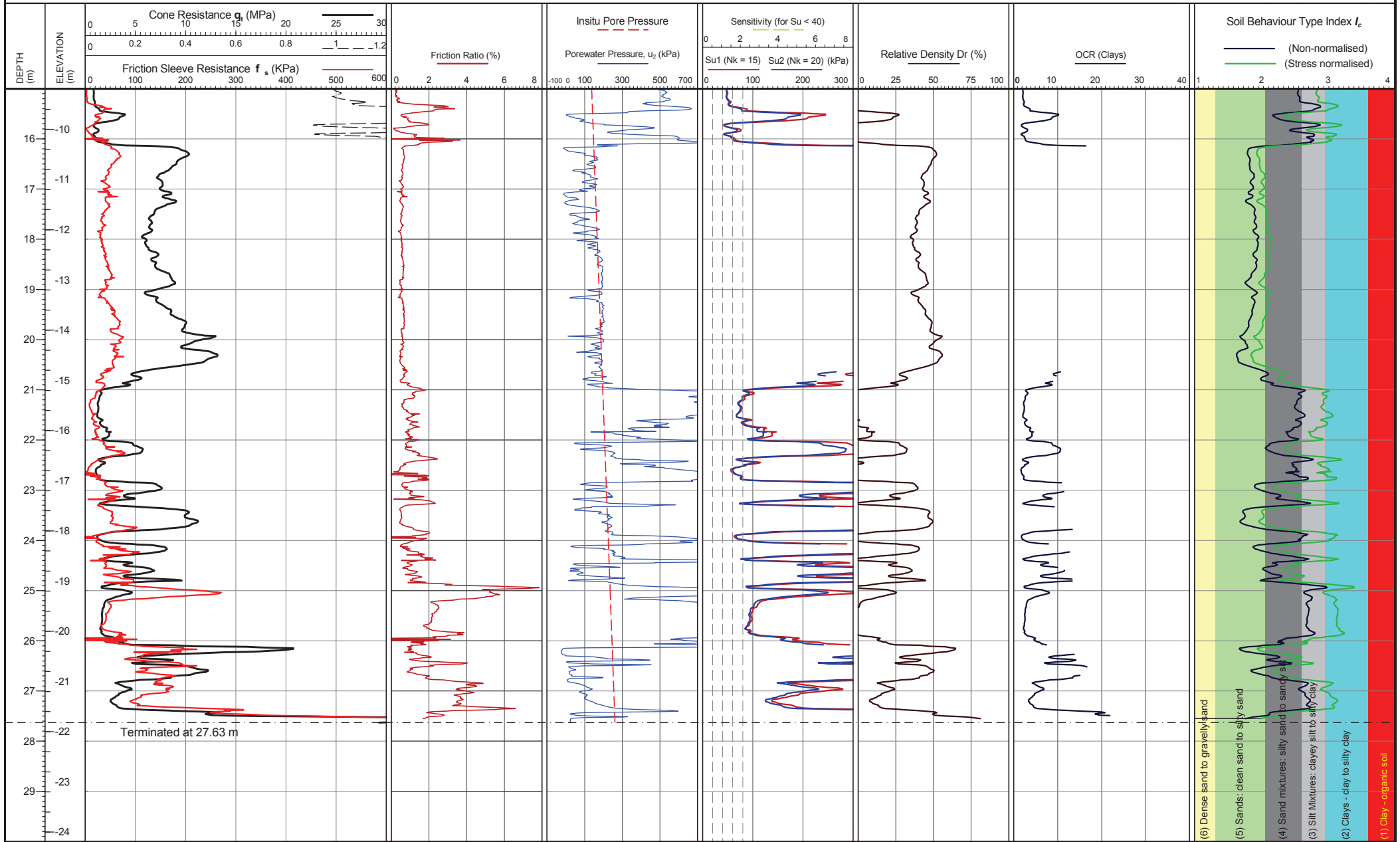
Checked by: Emma Stickland

TEST ID: CPT C-LD31

Page 1 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

ConeID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 25/07/2013 08:27:11

Location: Somerset

Coordinates: 337403.159, 152264.669

Elevation: 5.811

Coordinate system:

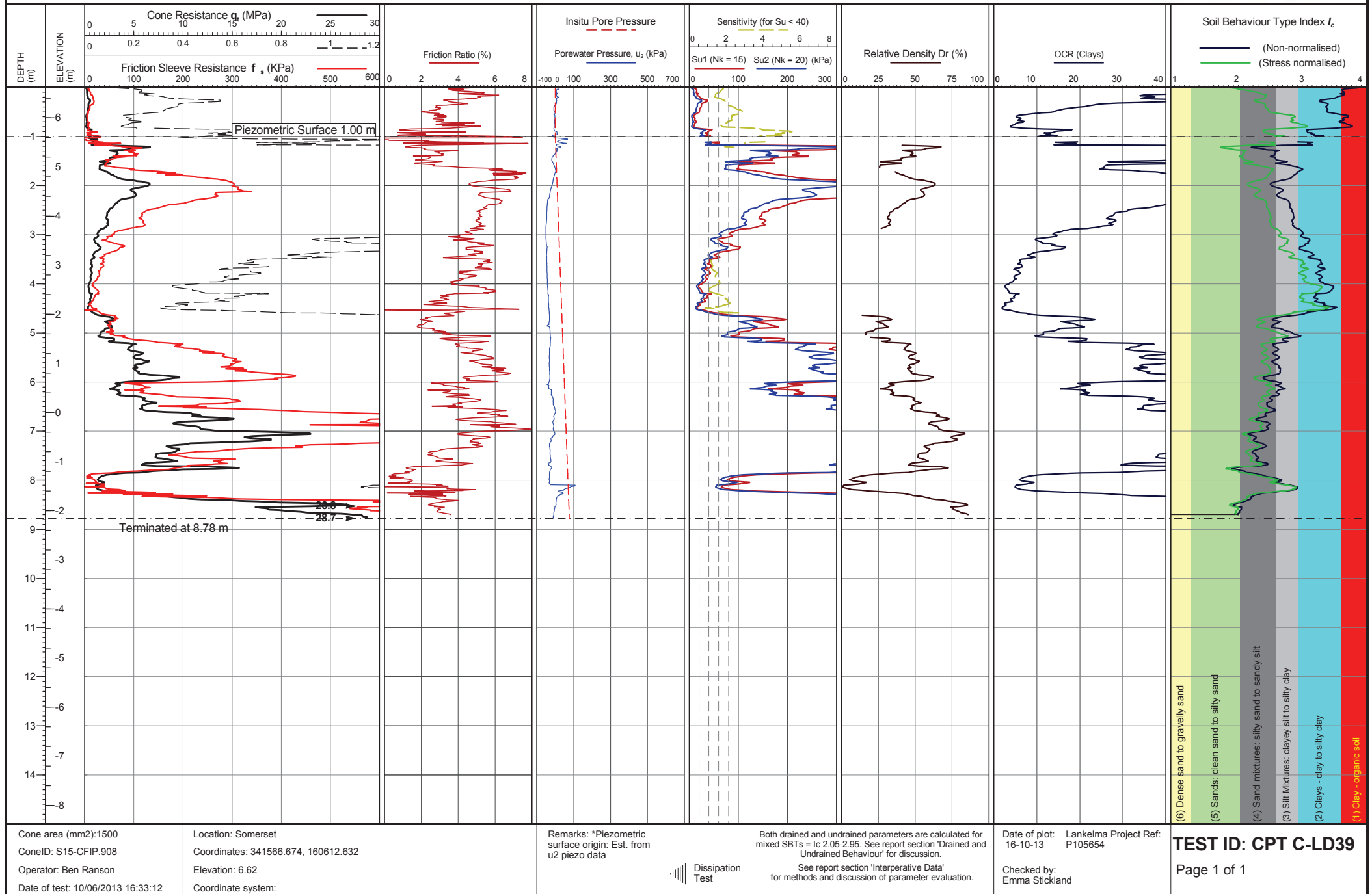
Remarks: *Piezometric
surface origin: Est. from
u2 piezo dataBoth drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.Date of plot: 16-10-13 Lankelma Project Ref:
P105654Checked by:
Emma Stickland

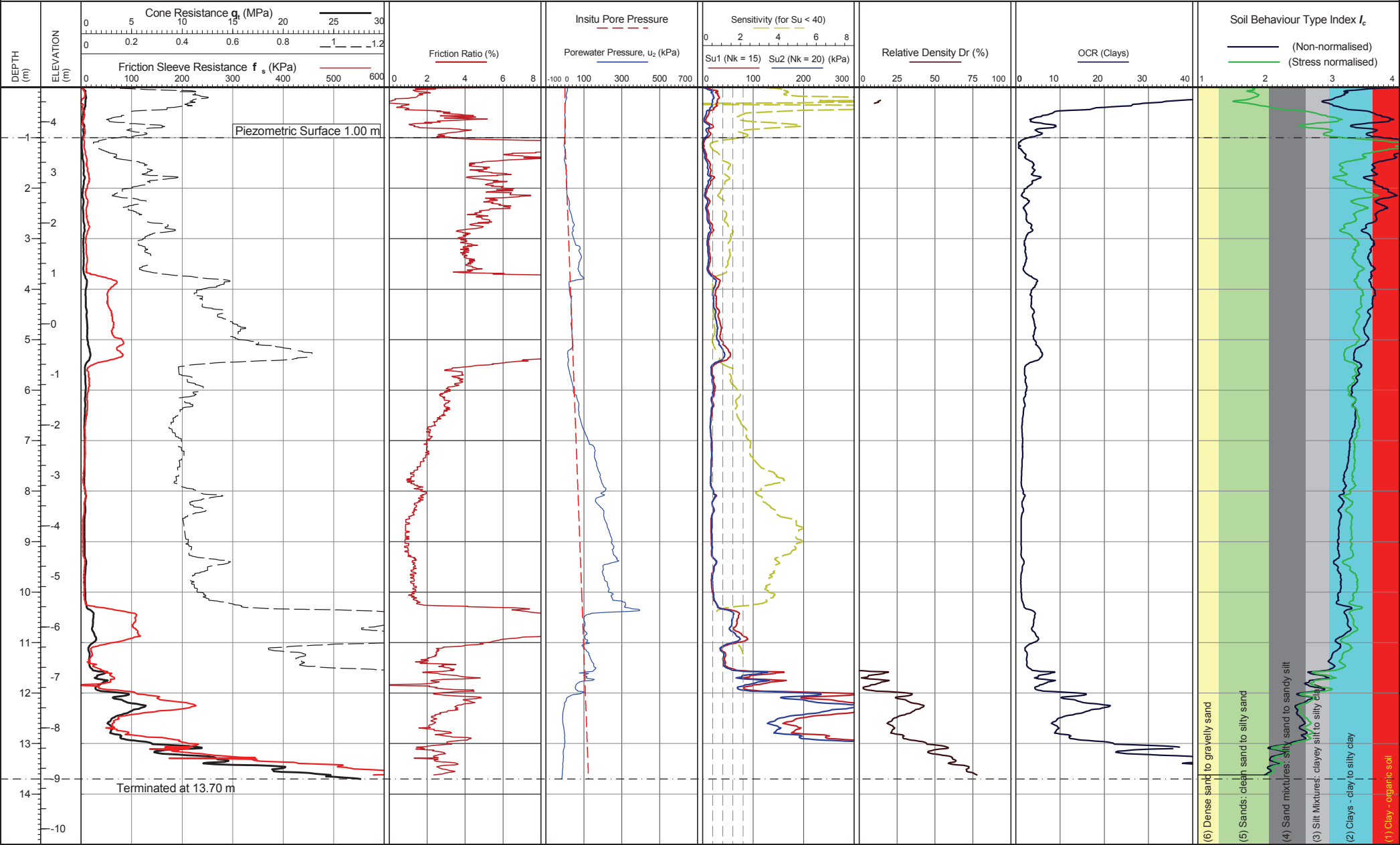
TEST ID: CPT C-LD31

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Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK





Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 11:16:09

Location: Somerset
Coordinates: 341710.522, 162353.558
Elevation: 4.689
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

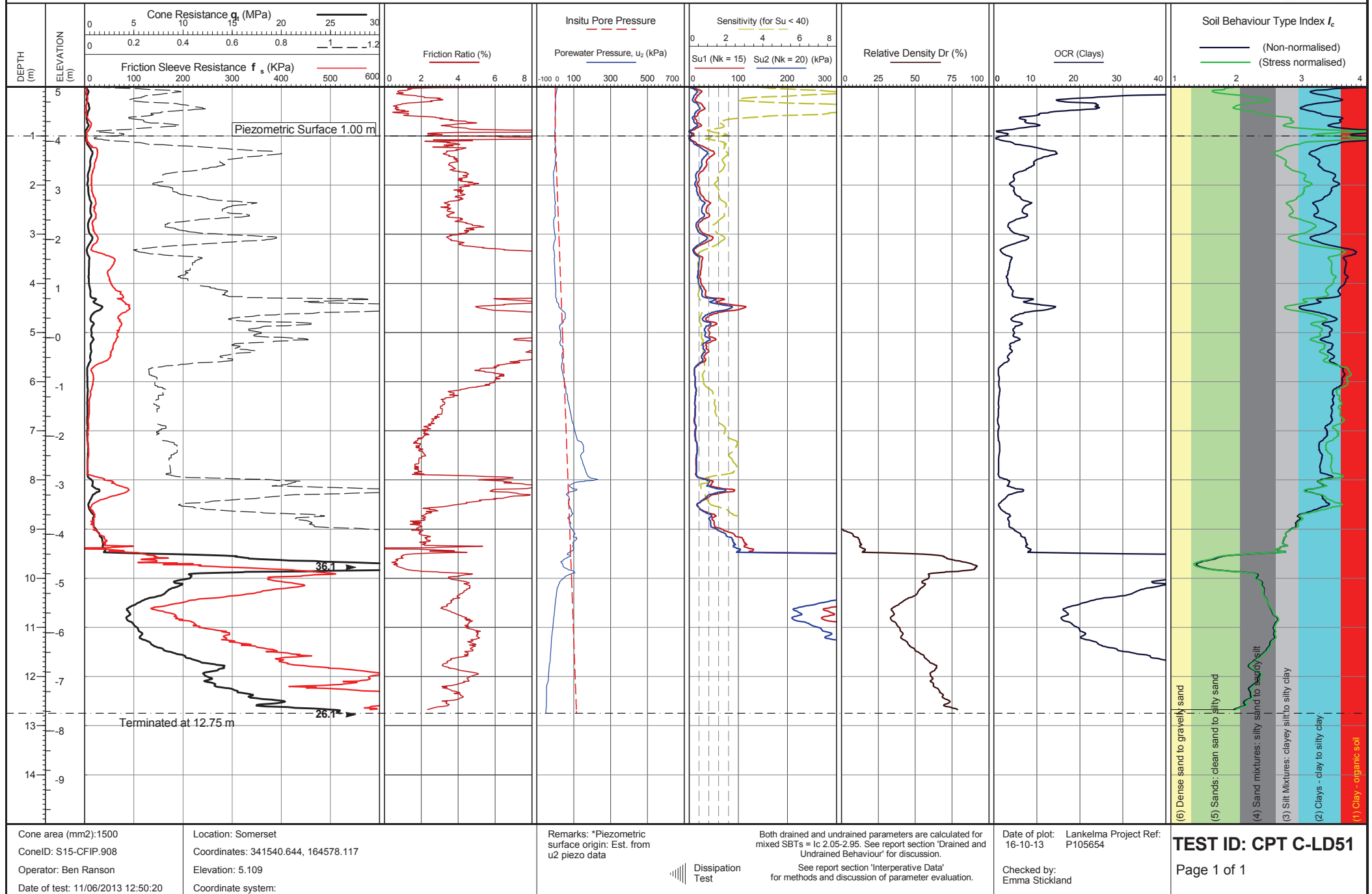
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD44

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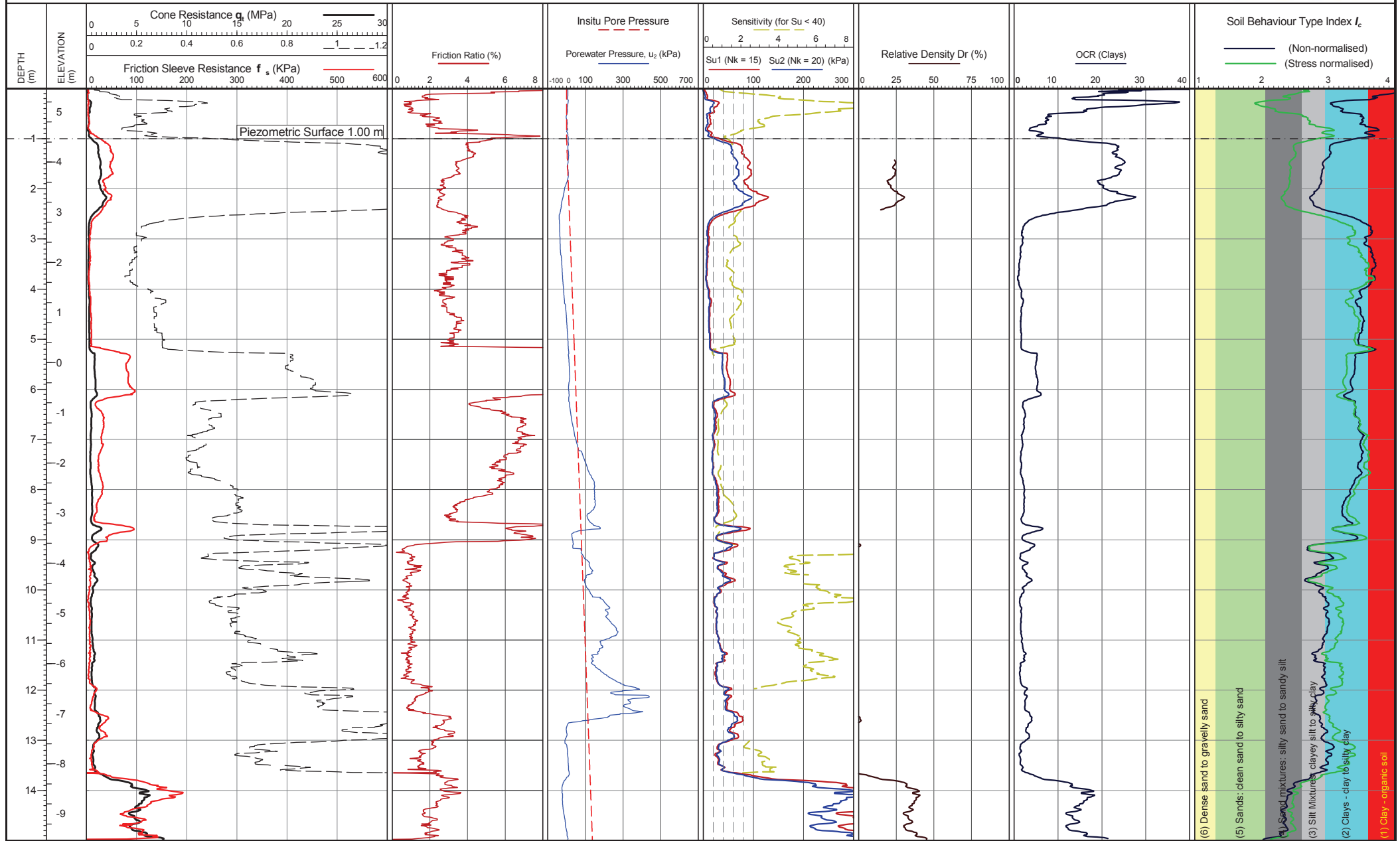
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

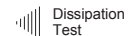
Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 14:18:54

Location: Somerset
Coordinates: 340867.184, 167069.75
Elevation: 5.468
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

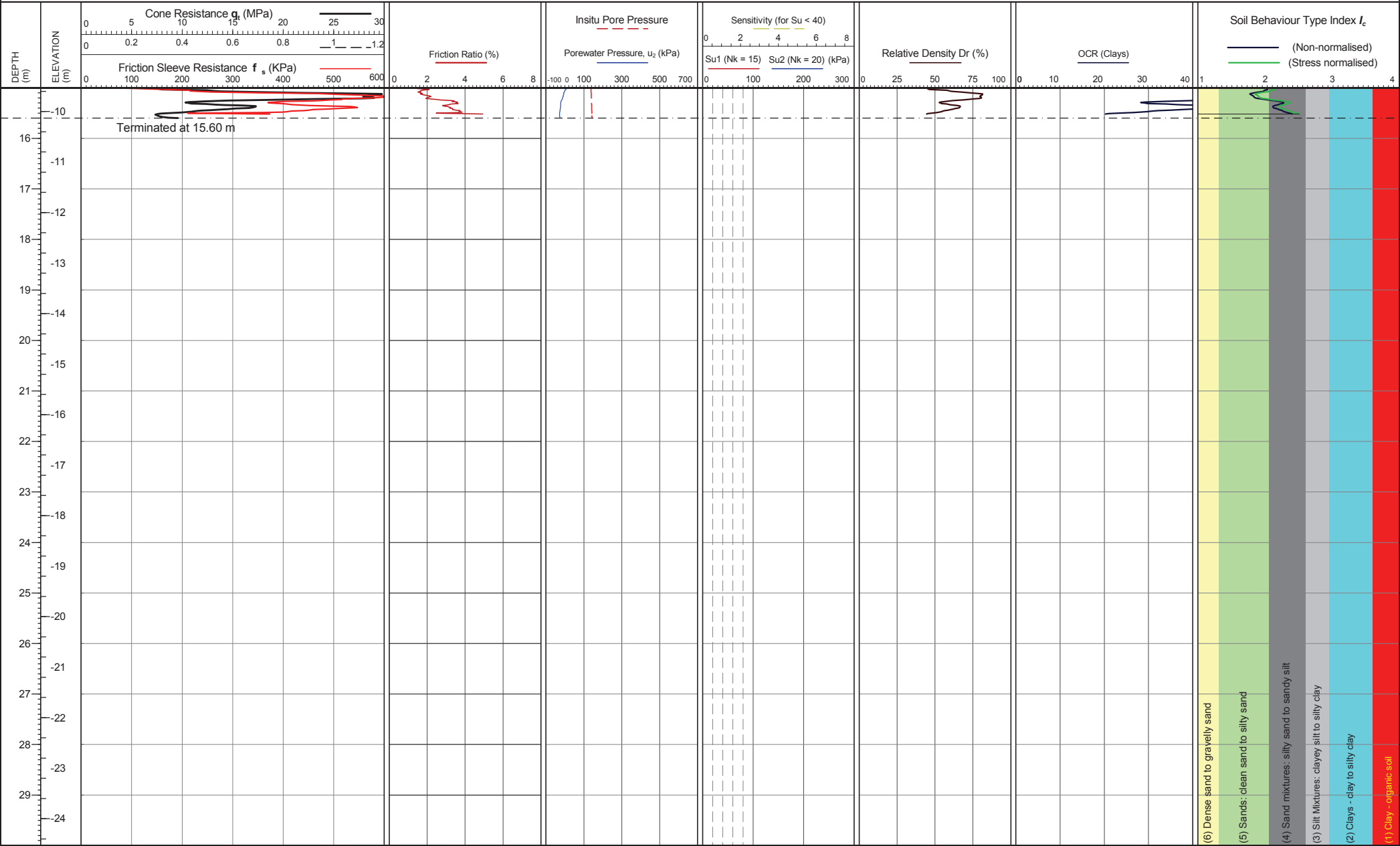
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD59

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Client: STRUCTURAL SOILS

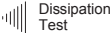
Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 11/06/2013 14:18:54

Location: Somerset
Coordinates: 340867.184, 167069.75
Elevation: 5.468
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
 u_2 piezo data



Dissipation
Test

Both drained and undrained parameters are calculated for
mixed SBTs = I_c 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

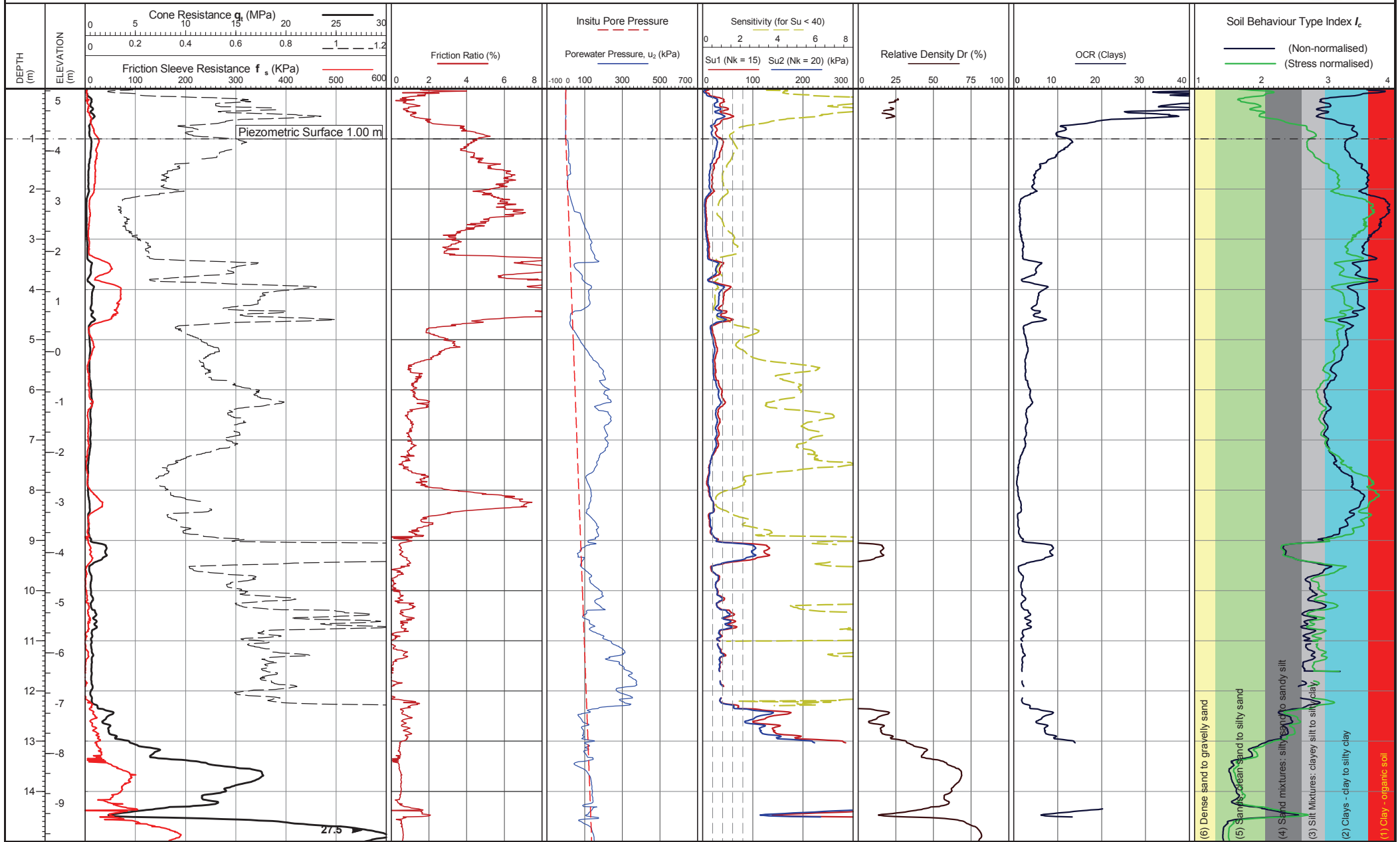
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

TEST ID: CPT C-LD59

Page 2 of 2

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK

Cone area (mm²):1500

ConeID: S15-CFIP.944

Operator: Walter Geddes

Date of test: 24/07/2013 12:51:18

Location: Somerset

Coordinates: 335321.928, 144252.559

Elevation: 5.243

Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
 u_2 piezo data



Dissipation
Test

Both drained and undrained parameters are calculated for
mixed SBTs = I_c 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.

See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

Date of plot: 16-10-13 Lankelma Project Ref:
P105654

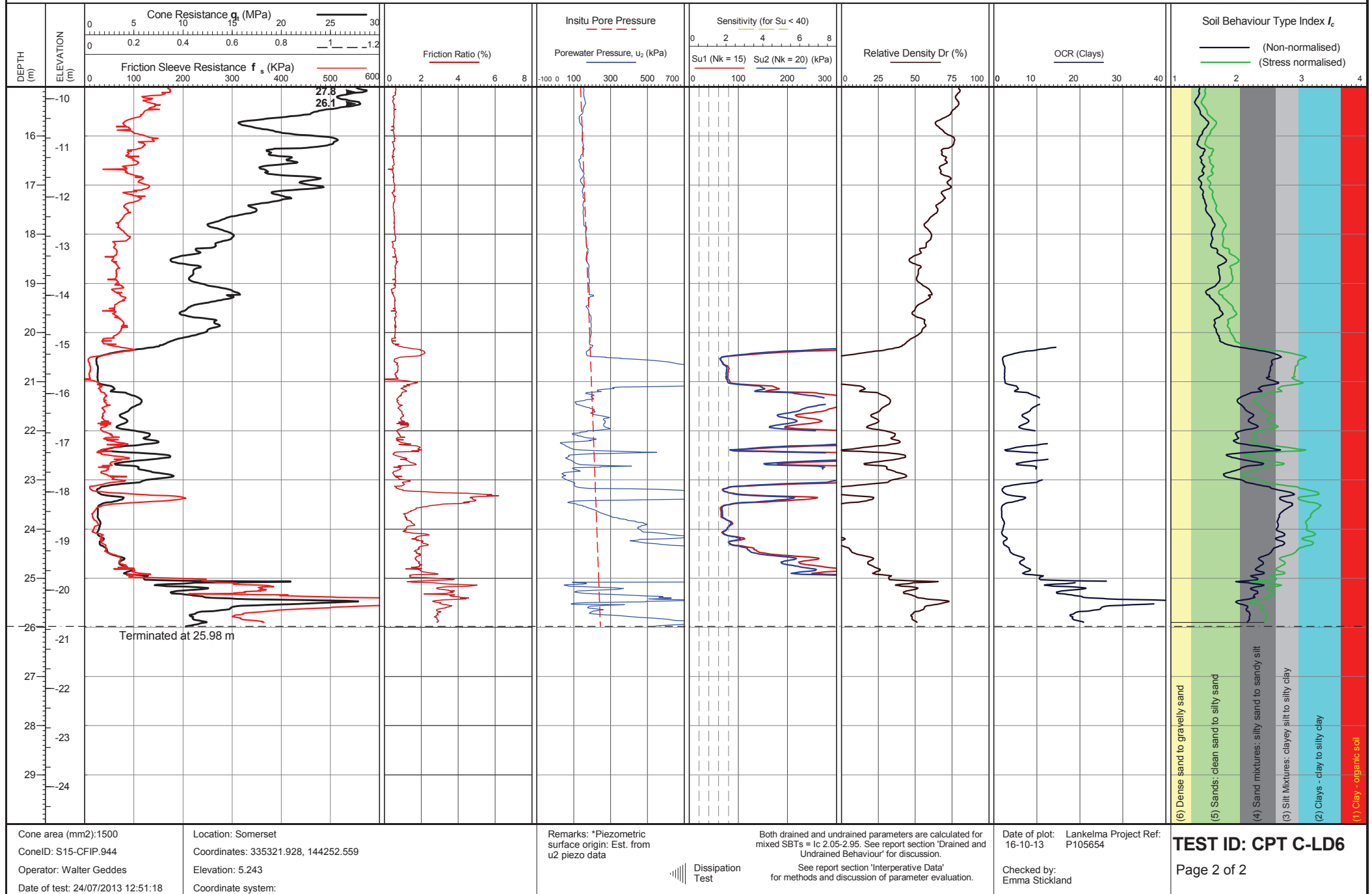
Checked by:
Emma Stickland

TEST ID: CPT C-LD6

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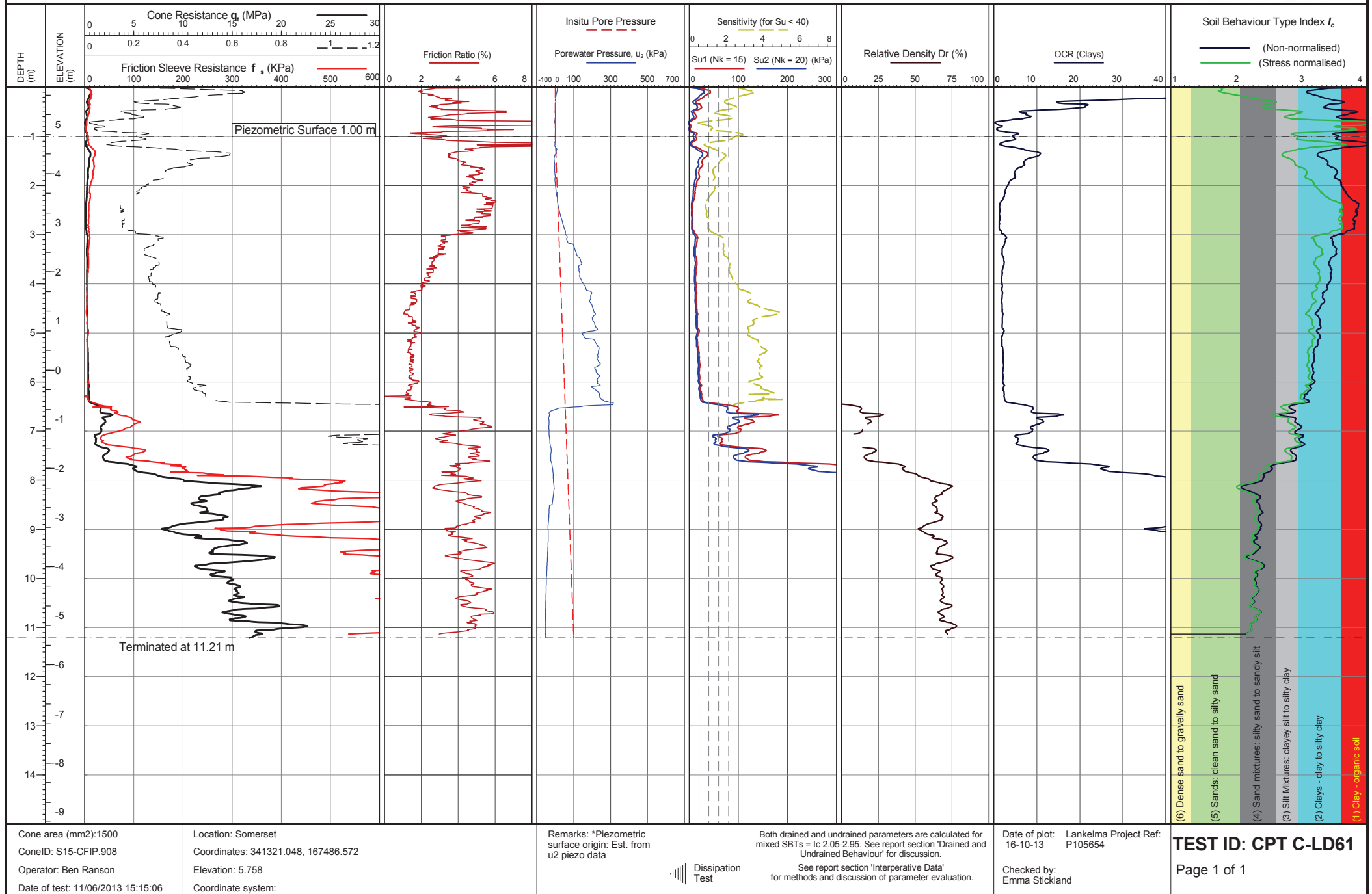
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



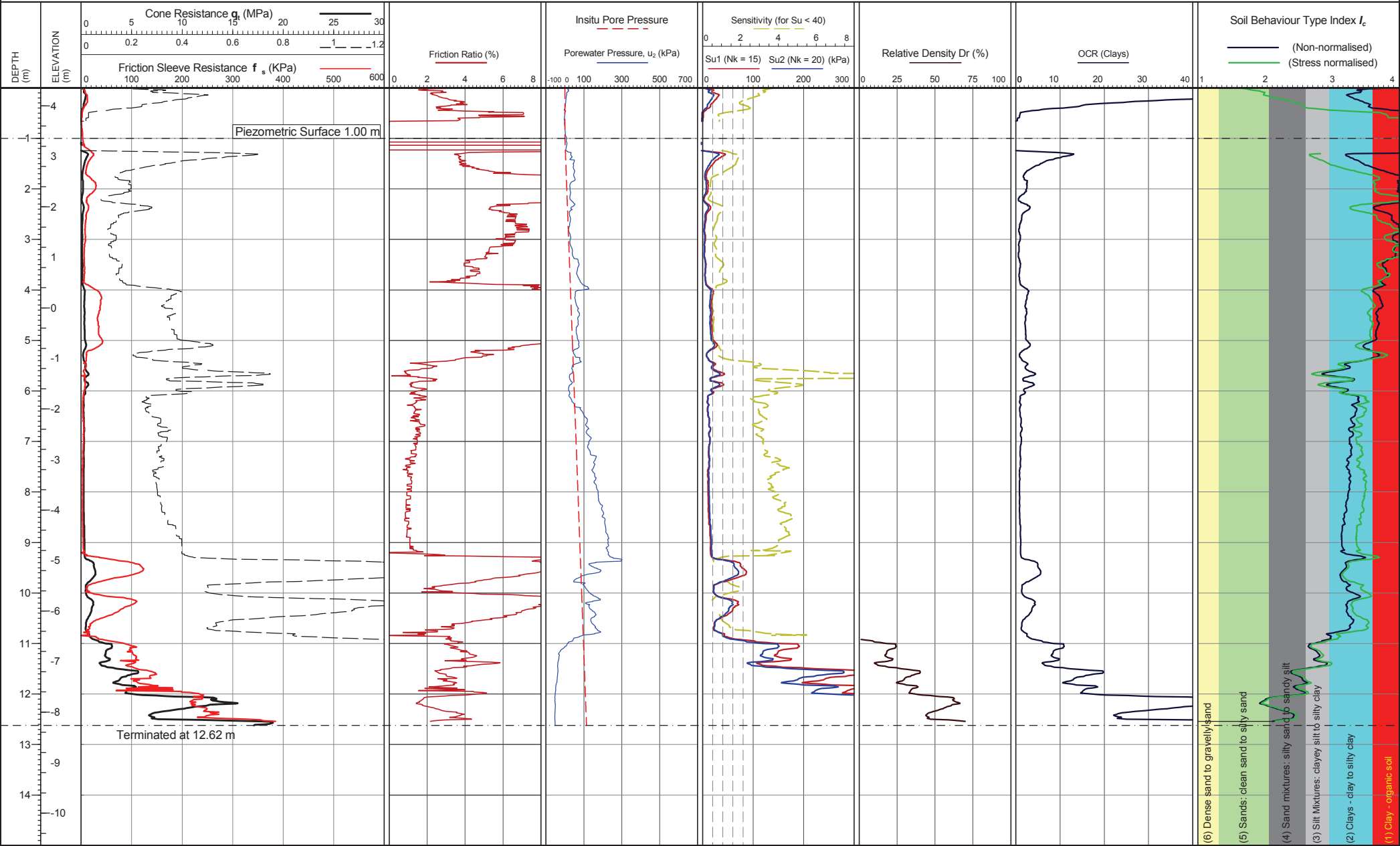
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 12/06/2013 08:39:35

Location: Somerset
Coordinates: 342993.857, 168746.042
Elevation: 4.357
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u2 piezo data



Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

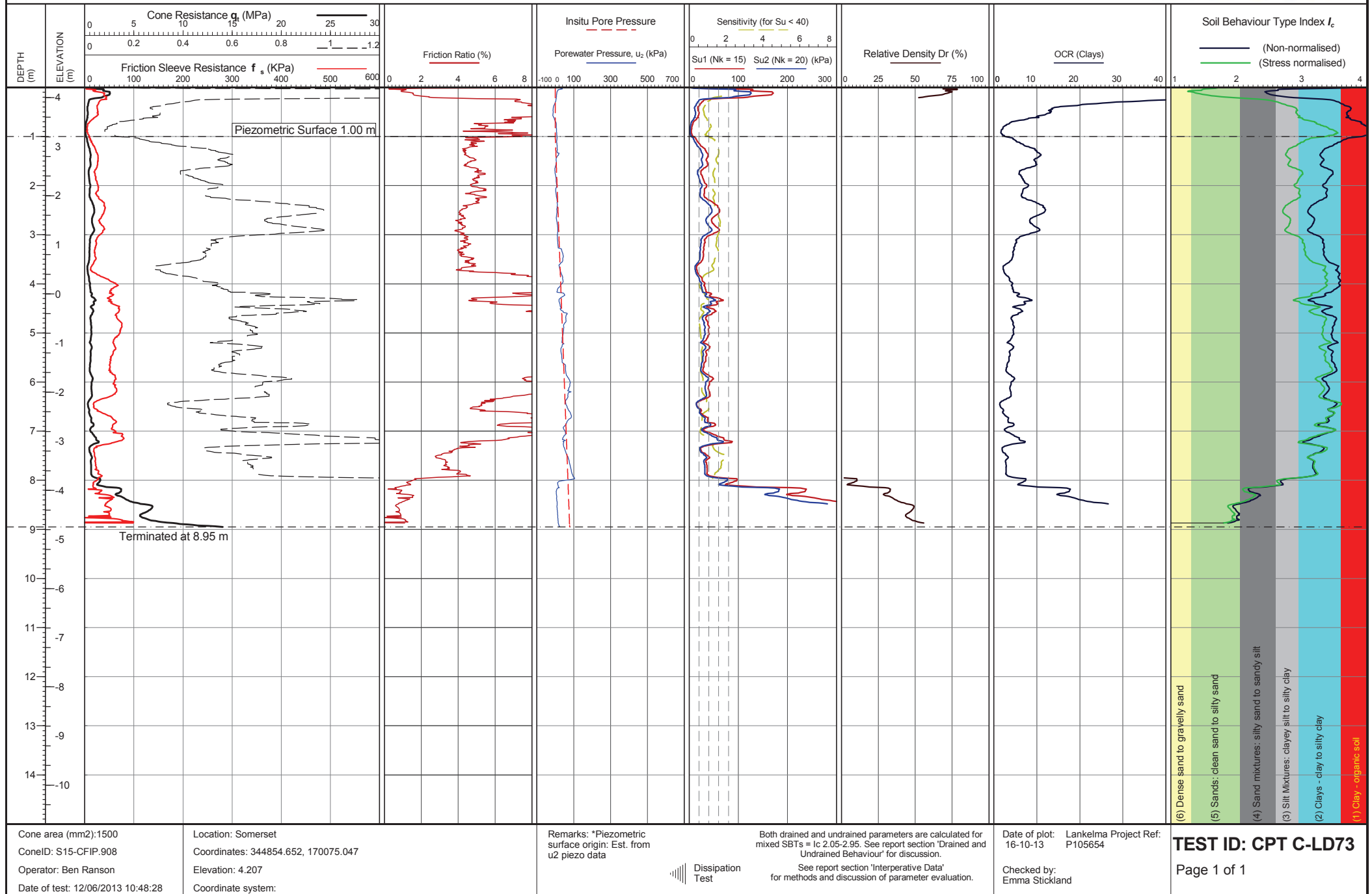
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD67

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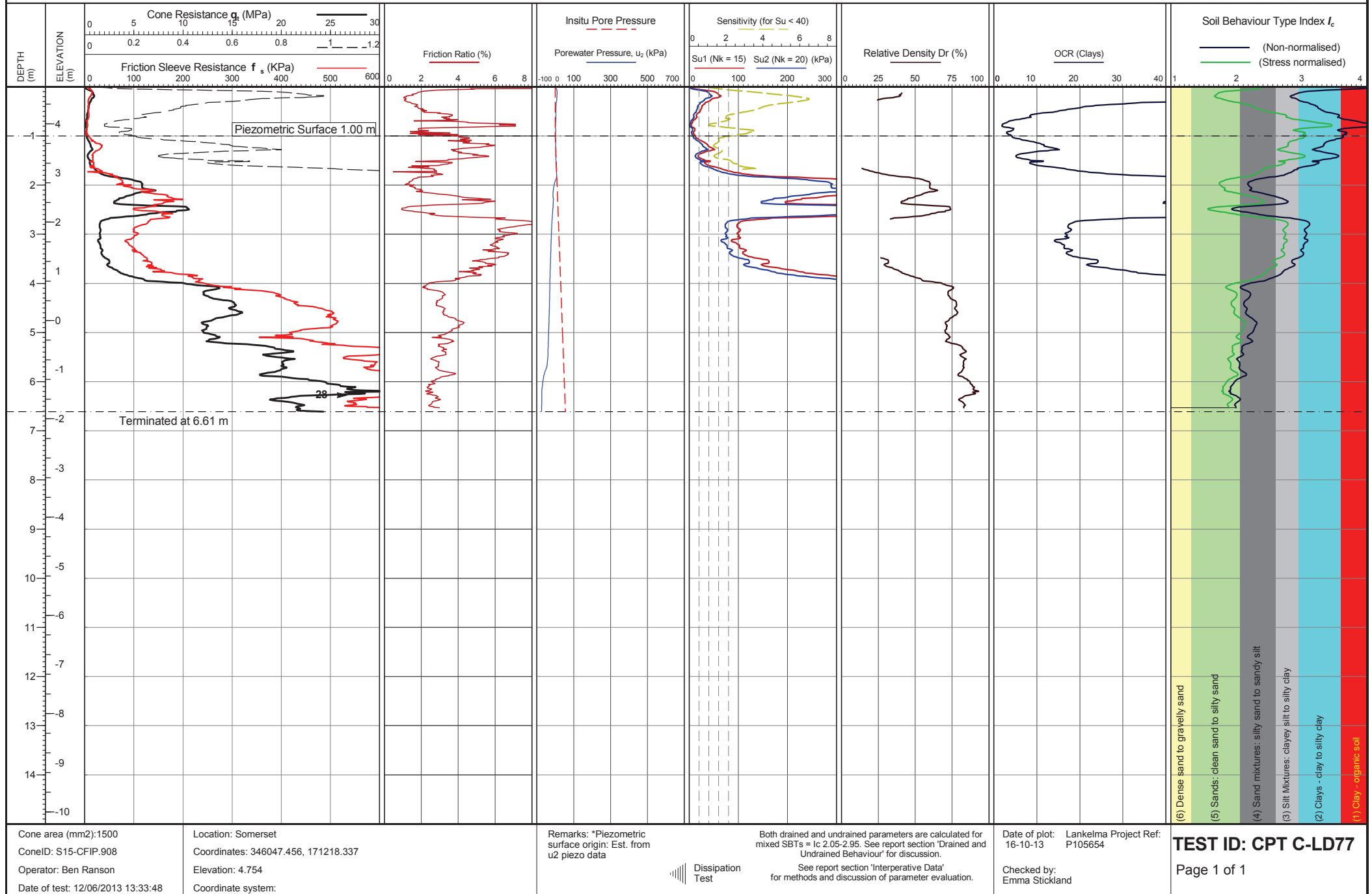
Client: STRUCTURAL SOILS

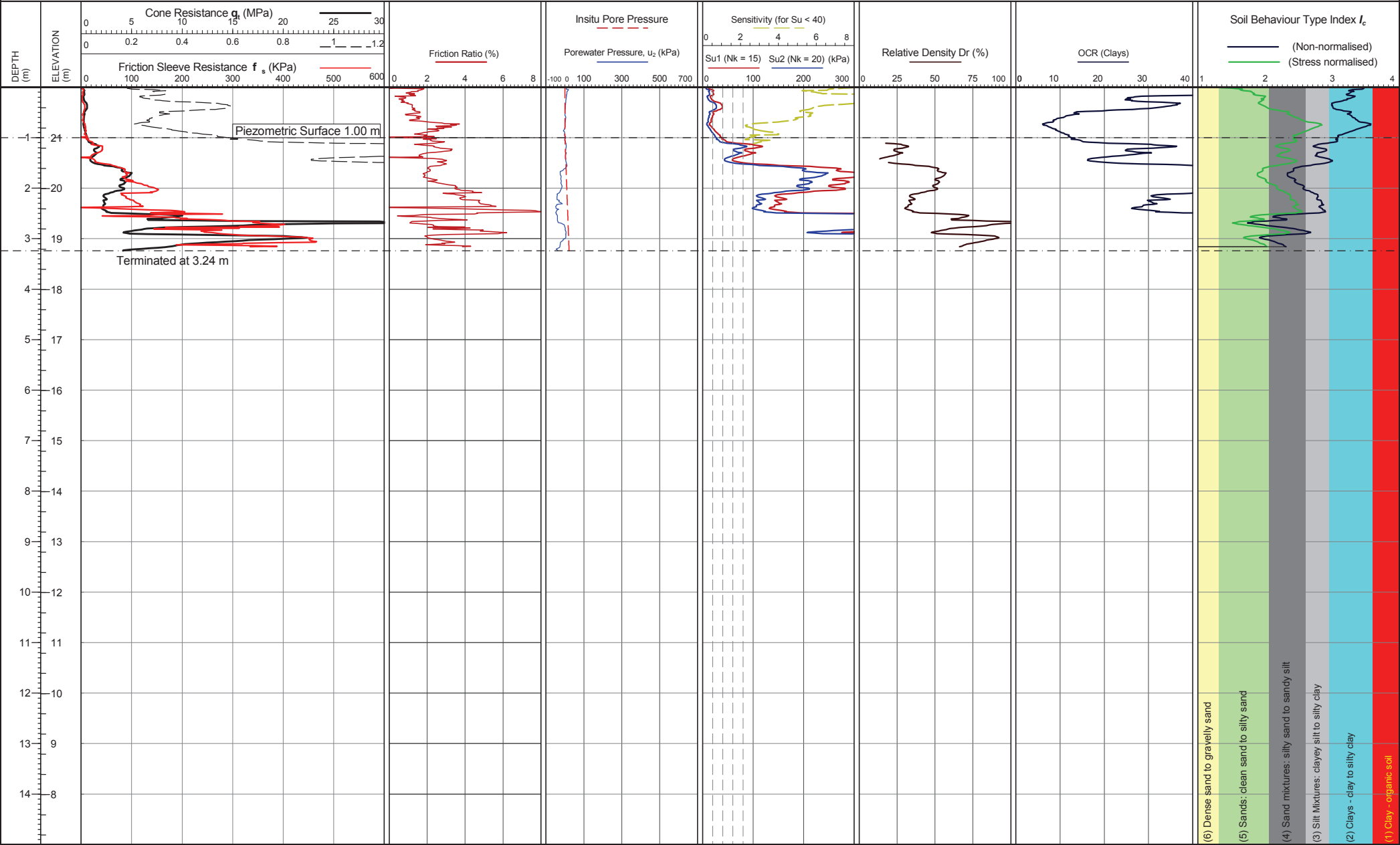
Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK





Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 11:39:29

Location: Somerset
Coordinates: 346391.778, 171927.098
Elevation: 22.01
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data



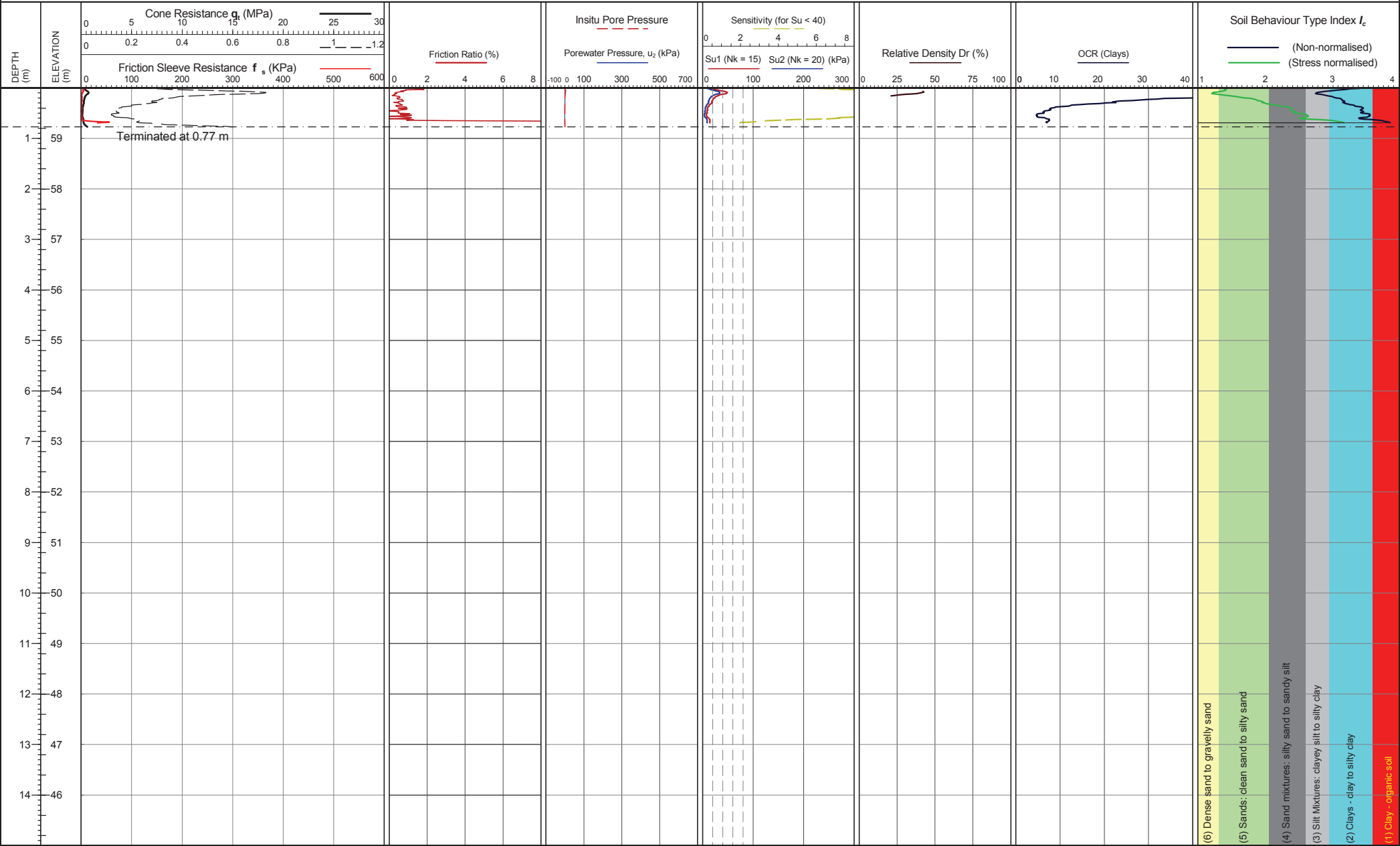
Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD80
Page 1 of 1

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 12:40:21

Location: Somerset
Coordinates: 347468.638, 172475.762
Elevation: 60.002
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u2 piezo data



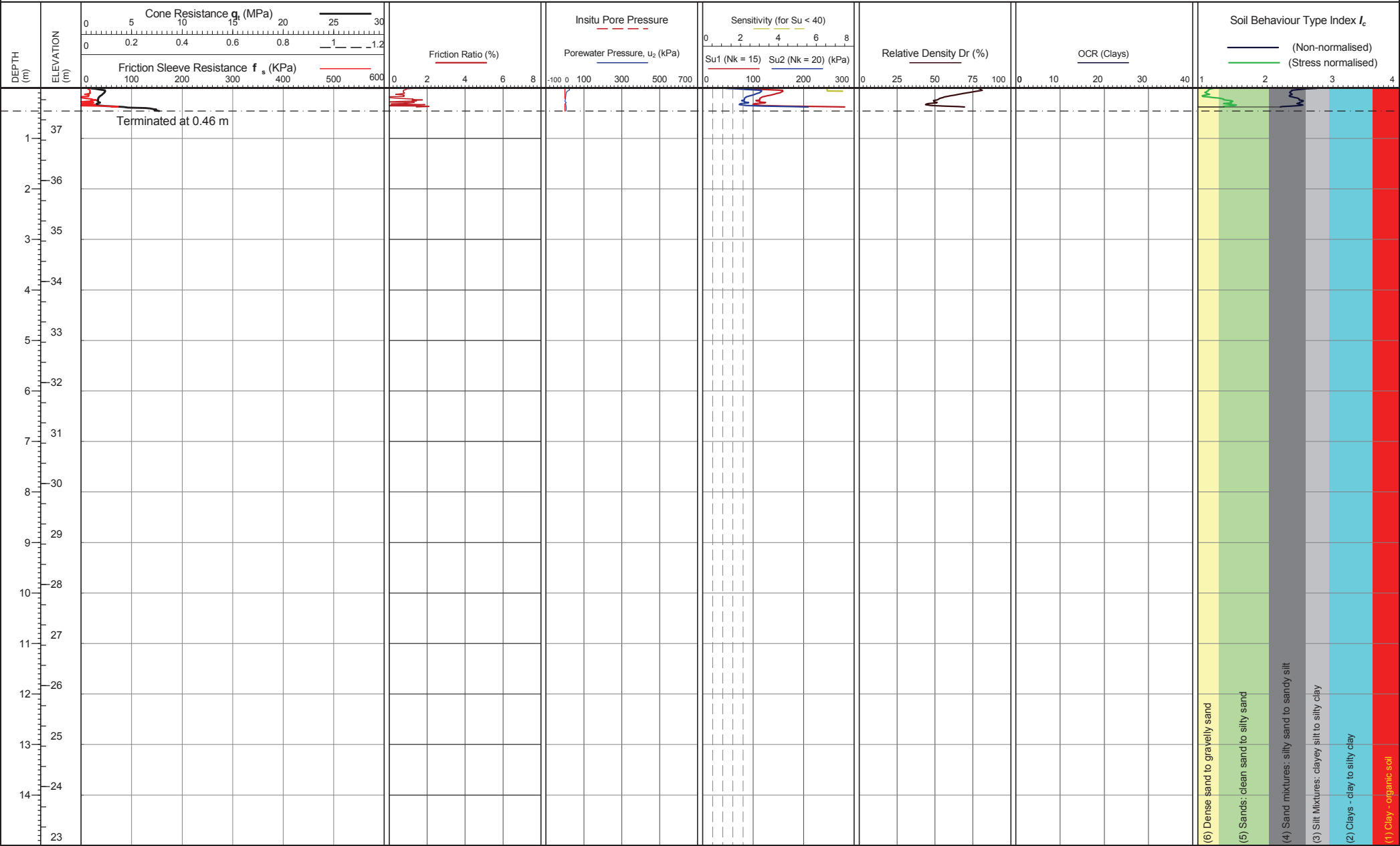
Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD83

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 16:03:37

Location: Somerset
Coordinates: 348781.169, 174711.243
Elevation: 37.833
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u₂ piezo data



Dissipation
Test

Both drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

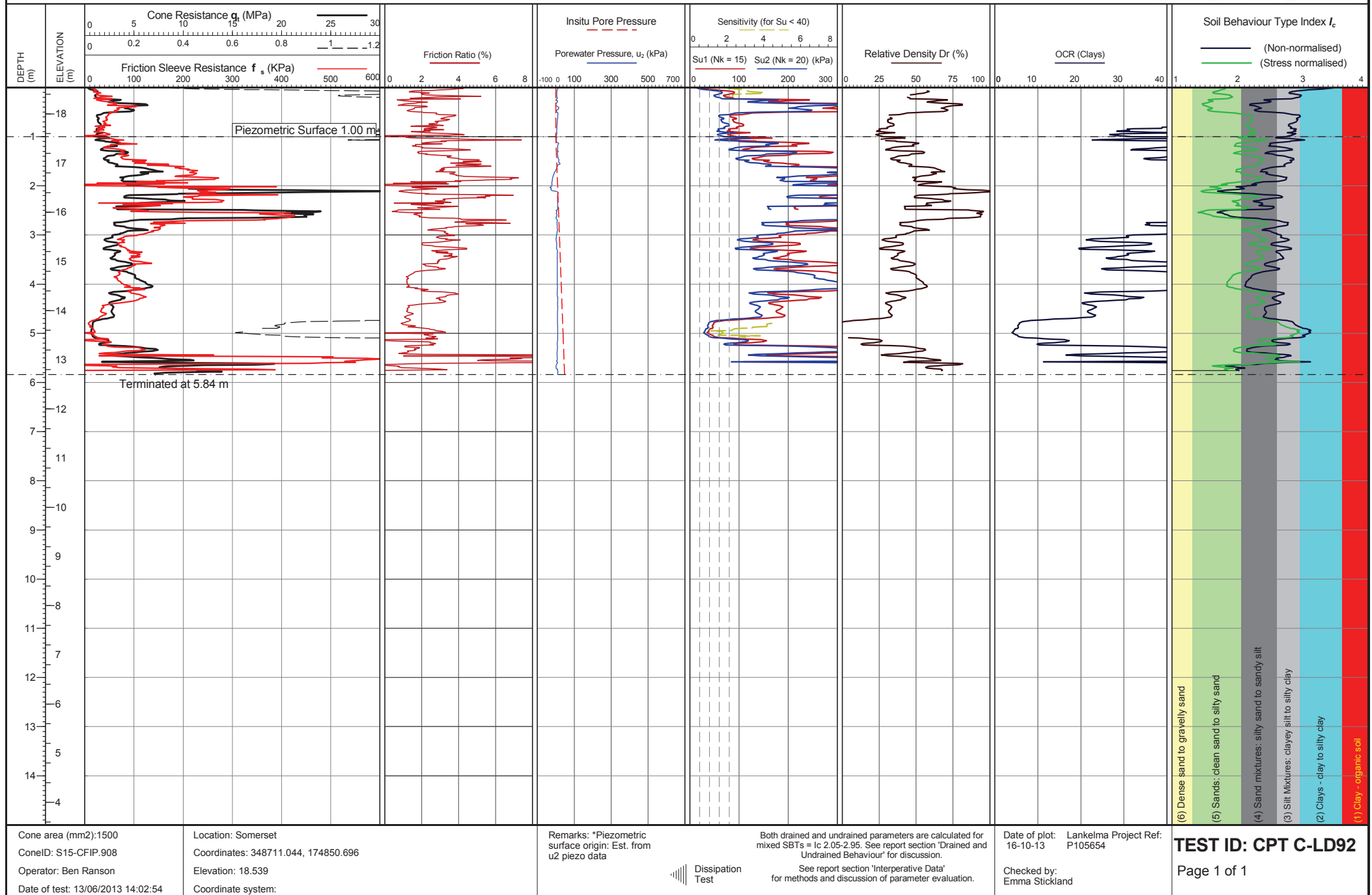
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

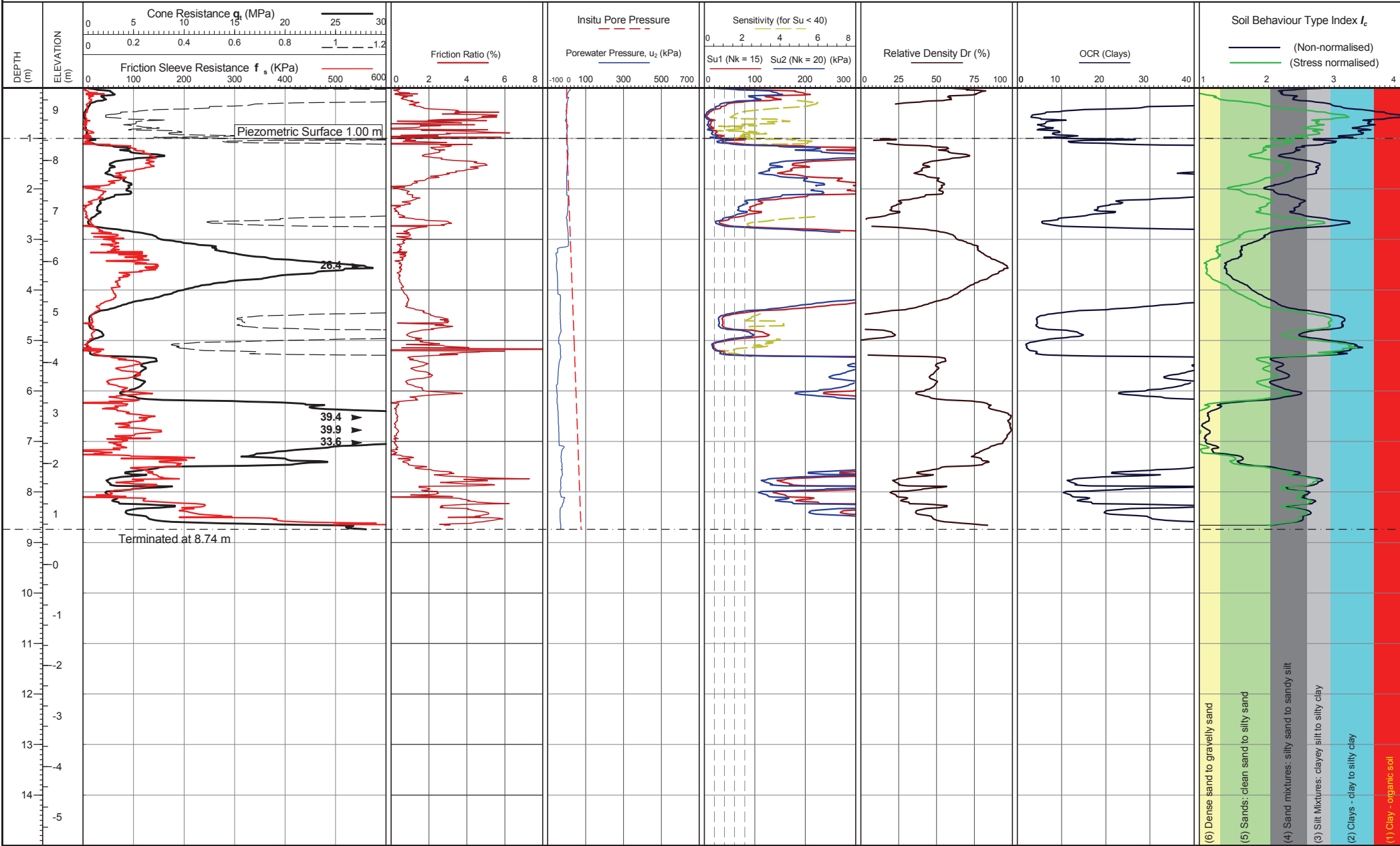
TEST ID: CPT C-LD91

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Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK





Cone area (mm²):1500
ConeID: S15-CFIP.908
Operator: Ben Ranson
Date of test: 13/06/2013 14:59:23

Location: Somerset
Coordinates: 348793.681, 175142.026
Elevation: 9.437
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data

 Dissipation Test

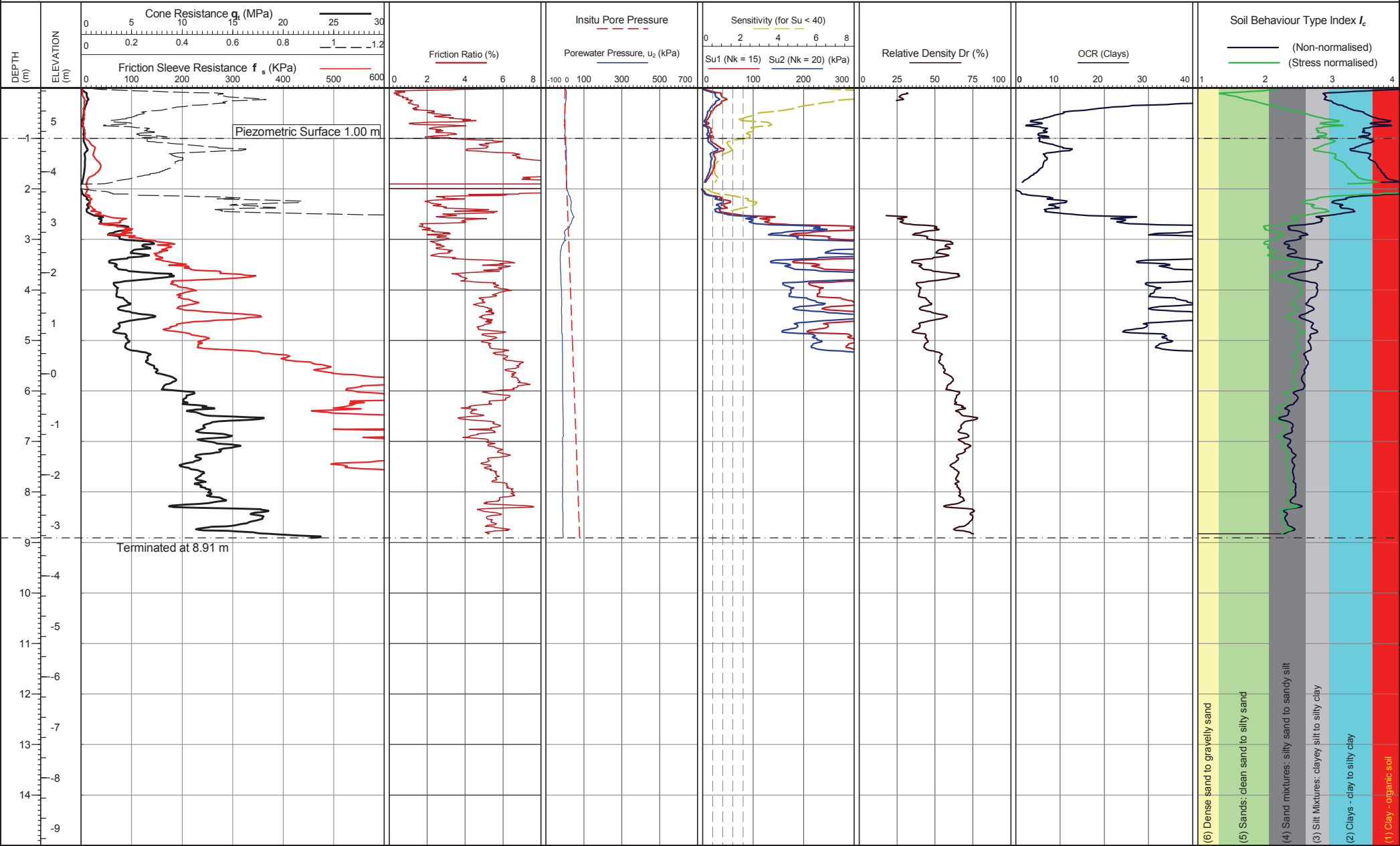
Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretive Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD93

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.819
Operator: Ben Ranson
Date of test: 25/07/2013 11:36:02

Location: Somerset
Coordinates: 350060.362, 175833.953
Elevation: 5.66
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u₂ piezo data

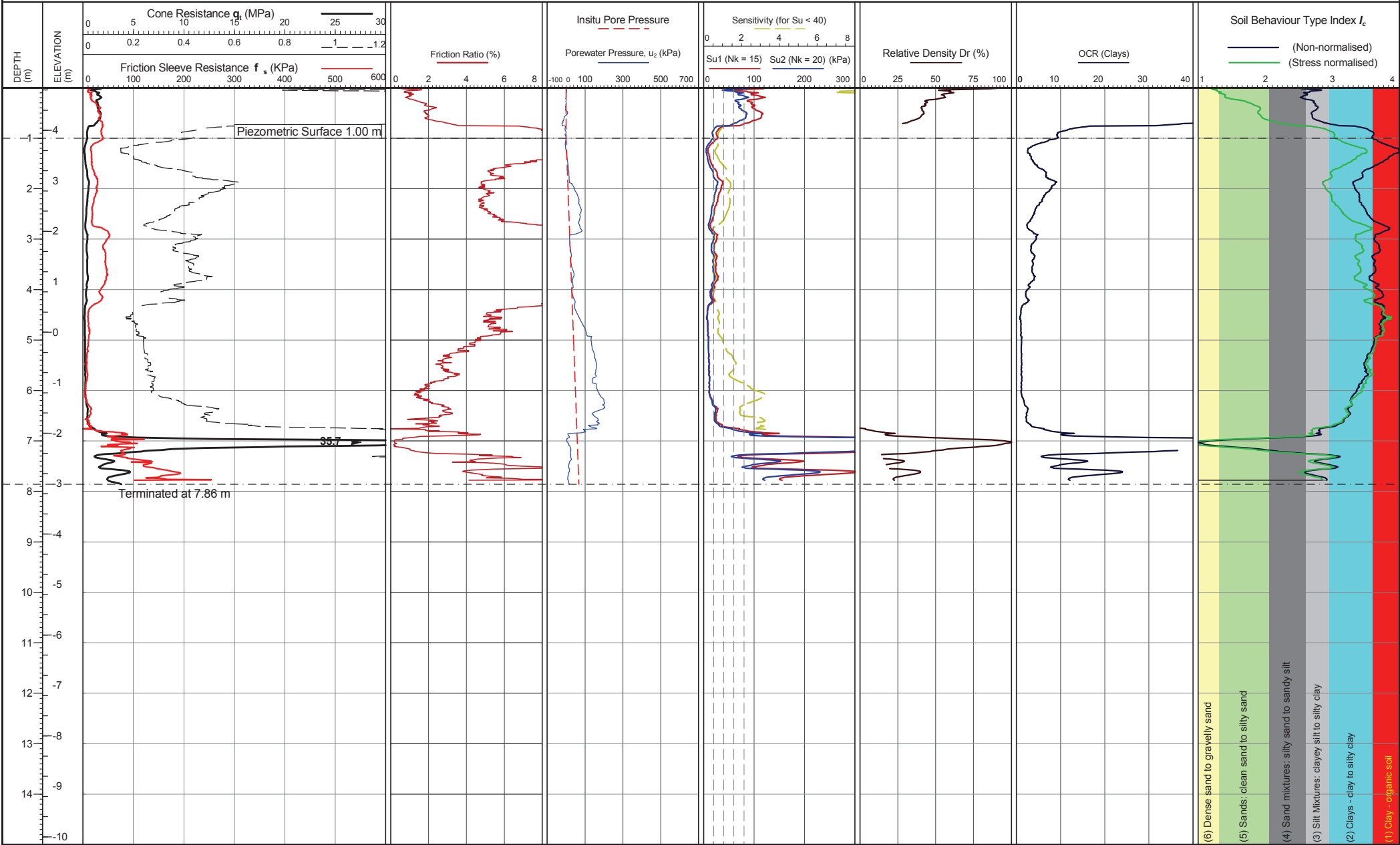


Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-LD97

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Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Walter Geddes
Date of test: 22/07/2013 16:02:59

Location: Somerset
Coordinates: 334401.708, 142307.589
Elevation: 4.846
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data



Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

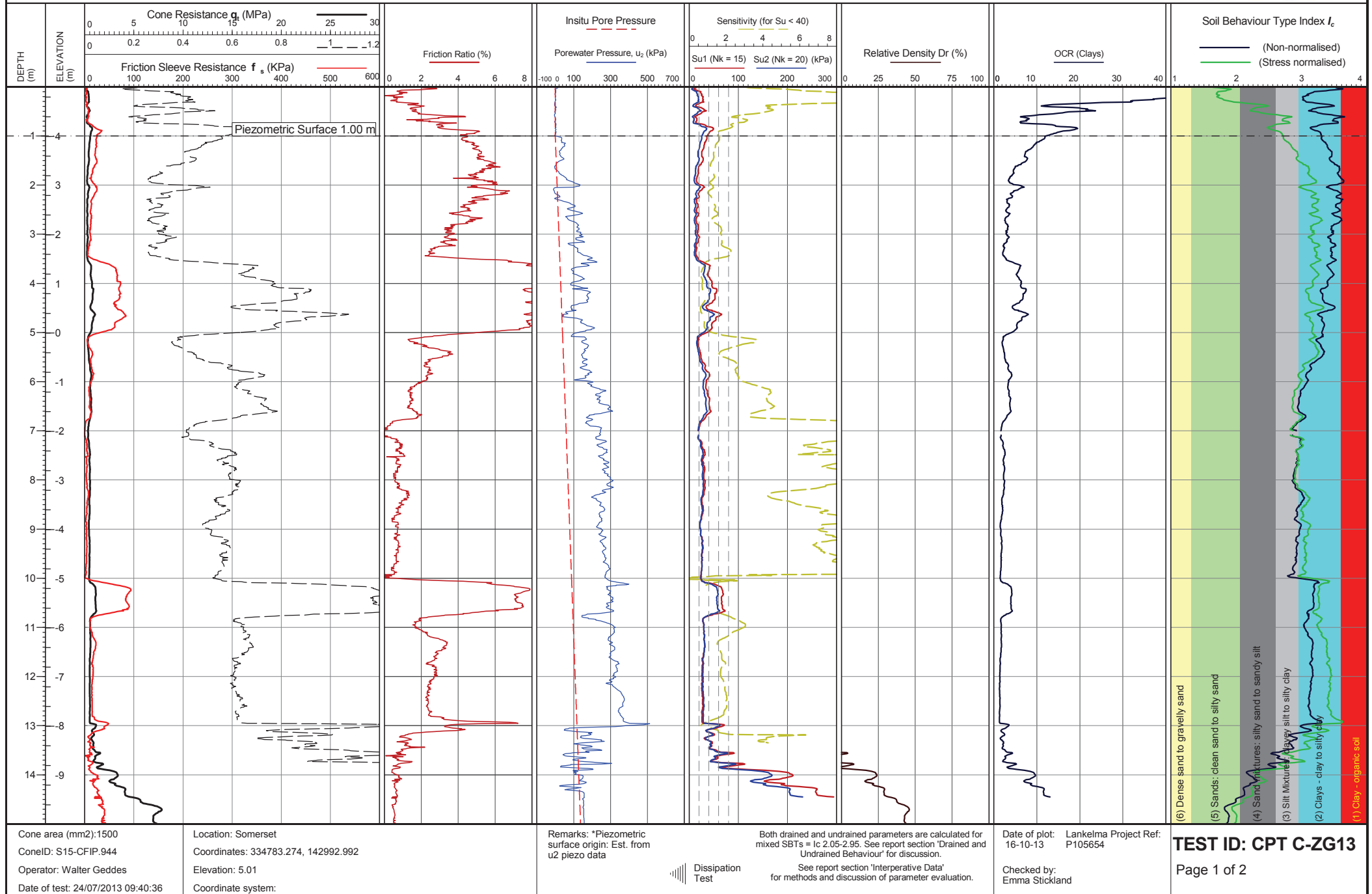
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-ZG11

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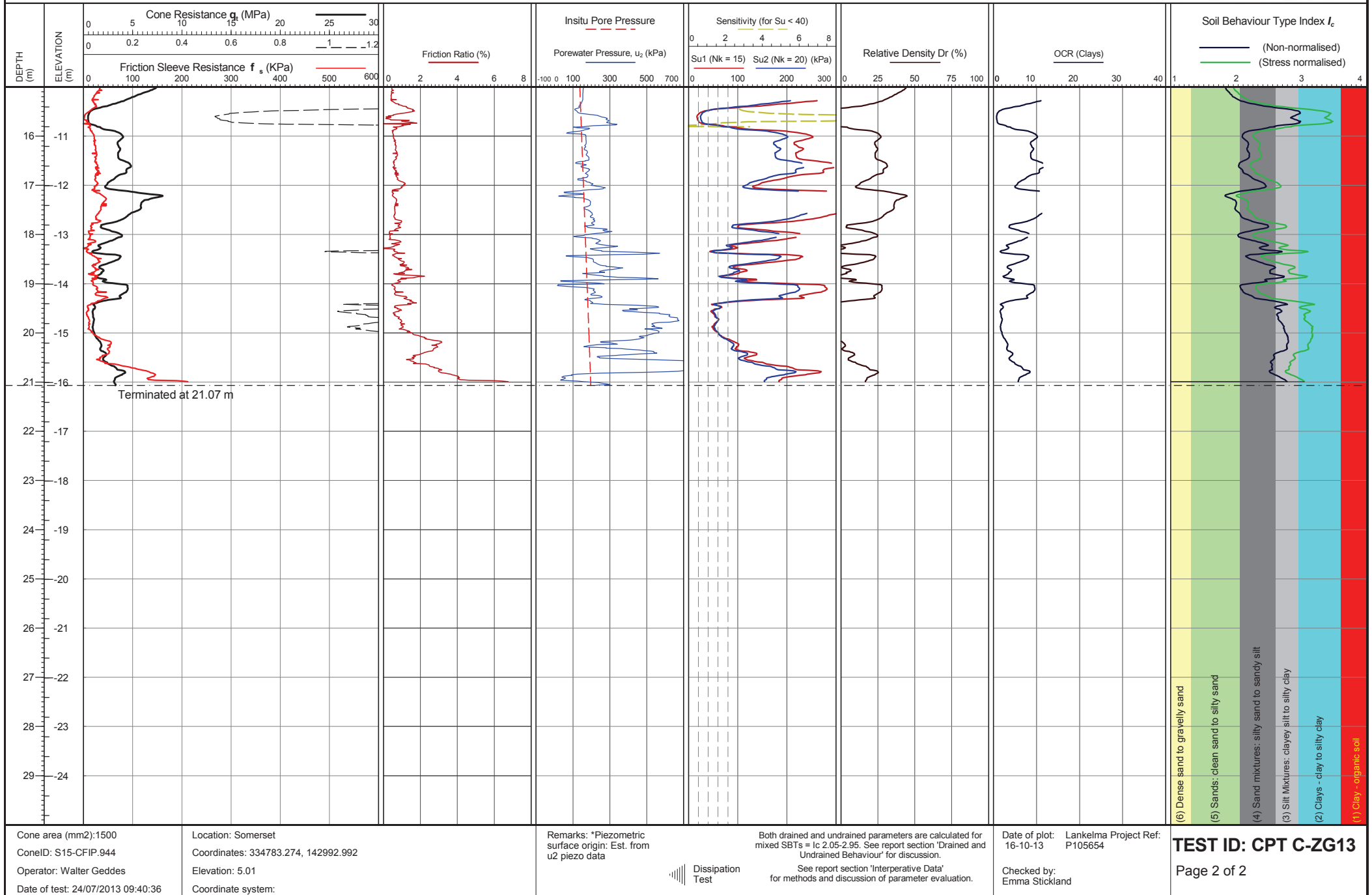
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



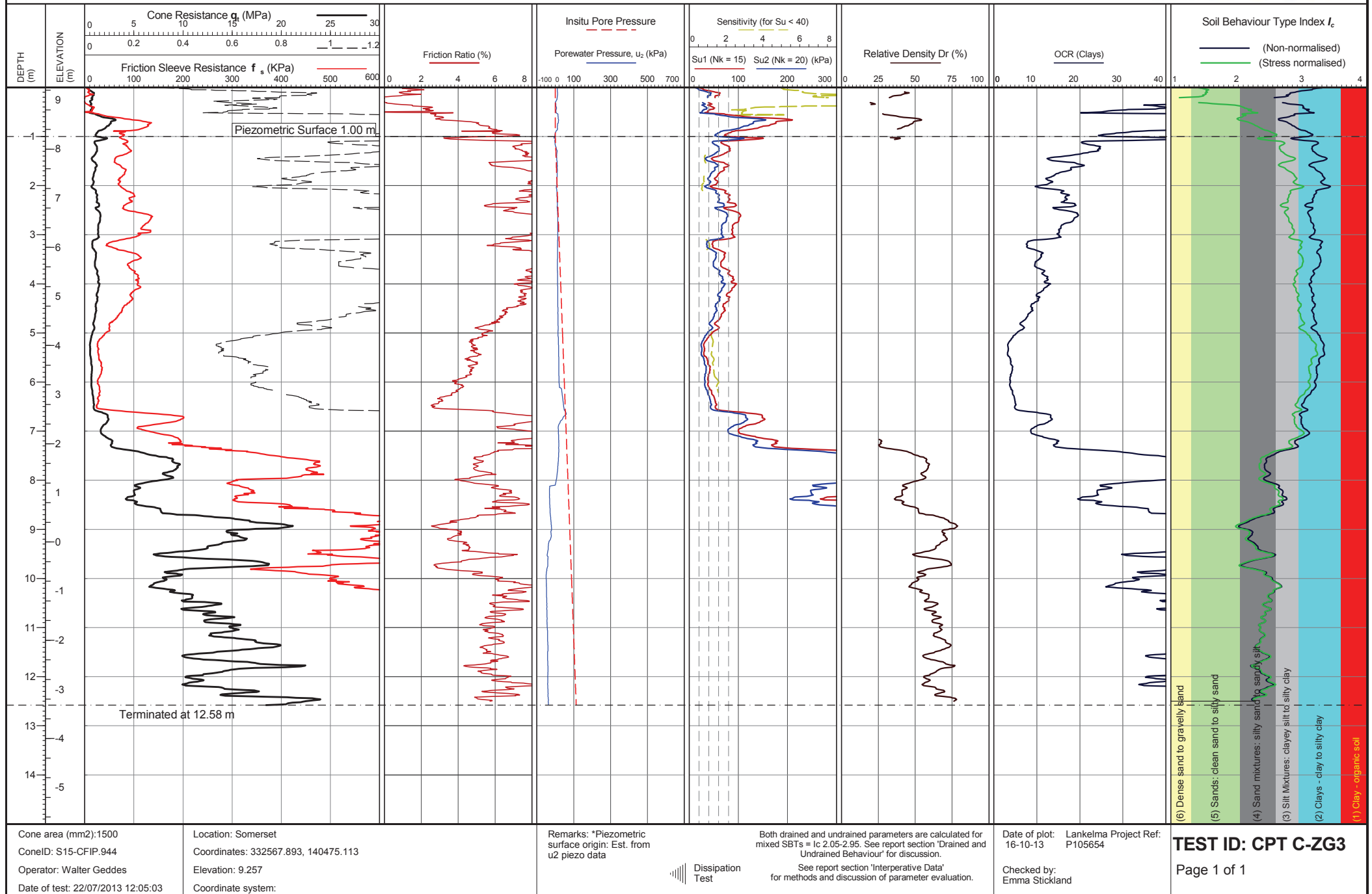
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



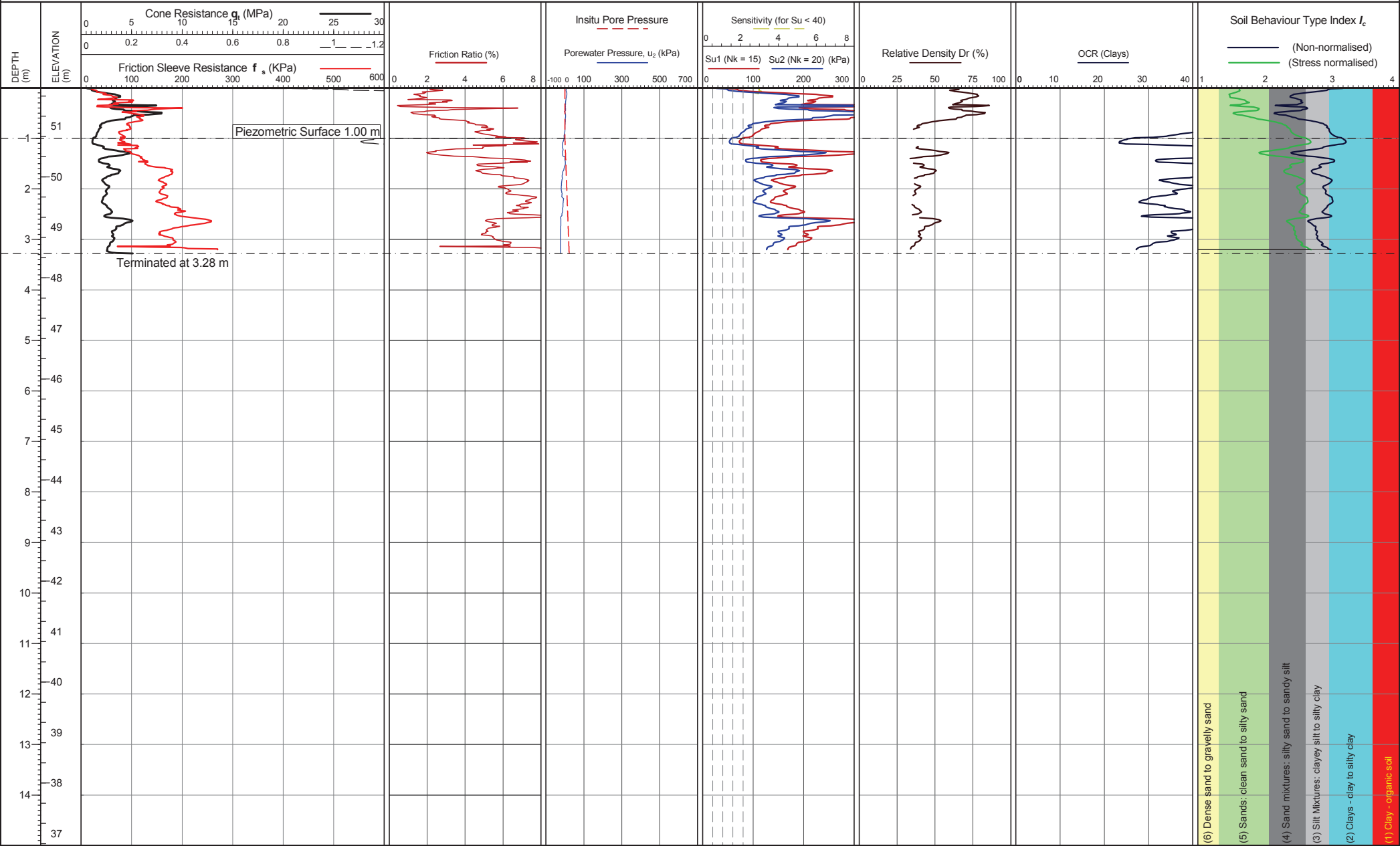
Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 22/07/2013 13:46:42

Location: Somerset
Coordinates: 332910.171, 140918.967
Elevation: 51.762
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u2 piezo data



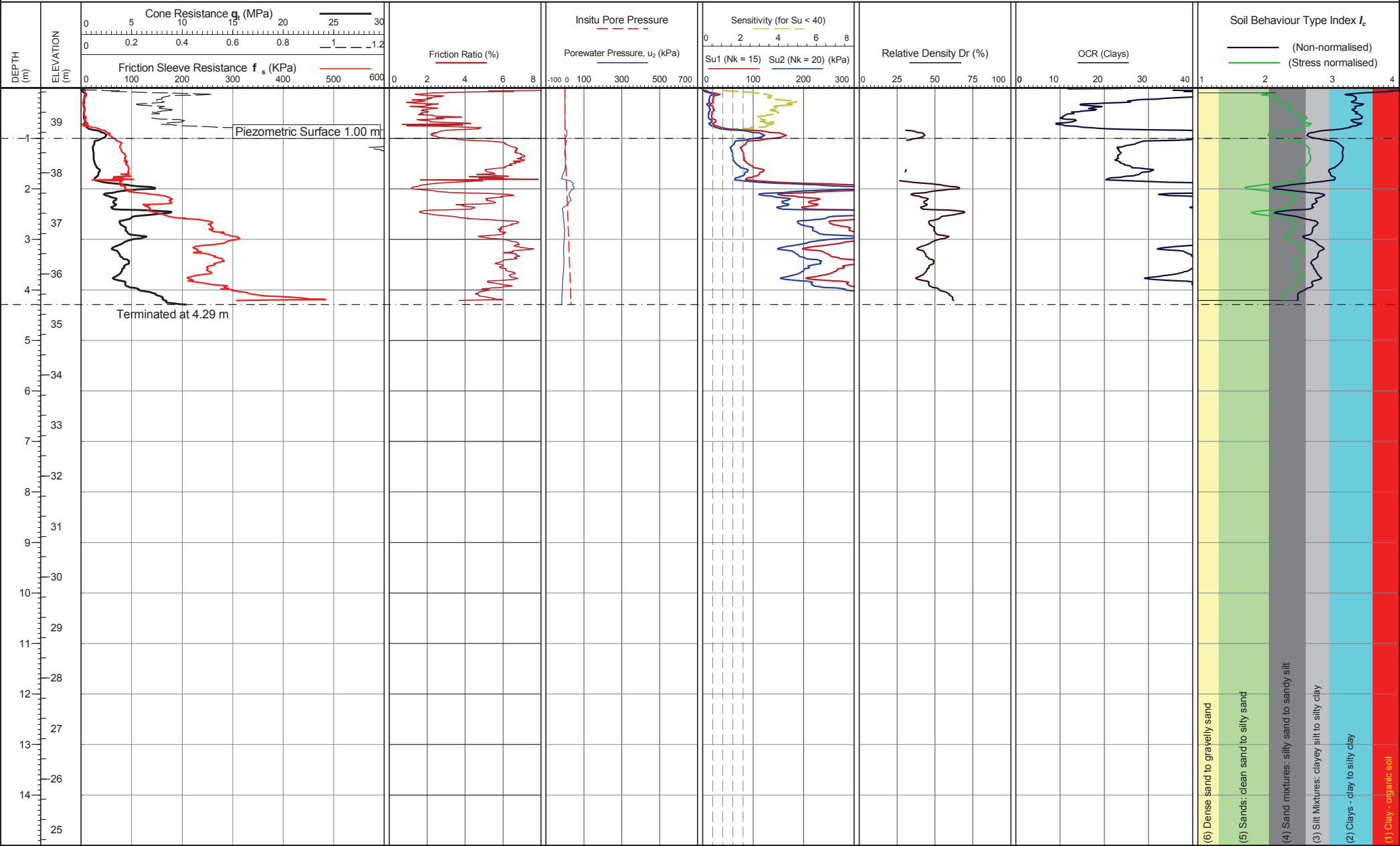
Both drained and undrained parameters are calculated for mixed SBTs = Ic 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT C-ZG5

Client: STRUCTURAL SOILS

Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.944
Operator: Ben Ranson
Date of test: 22/07/2013 14:51:54

Location: Somerset
Coordinates: 333588.114, 141203.073
Elevation: 39.683
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
u2 piezo data

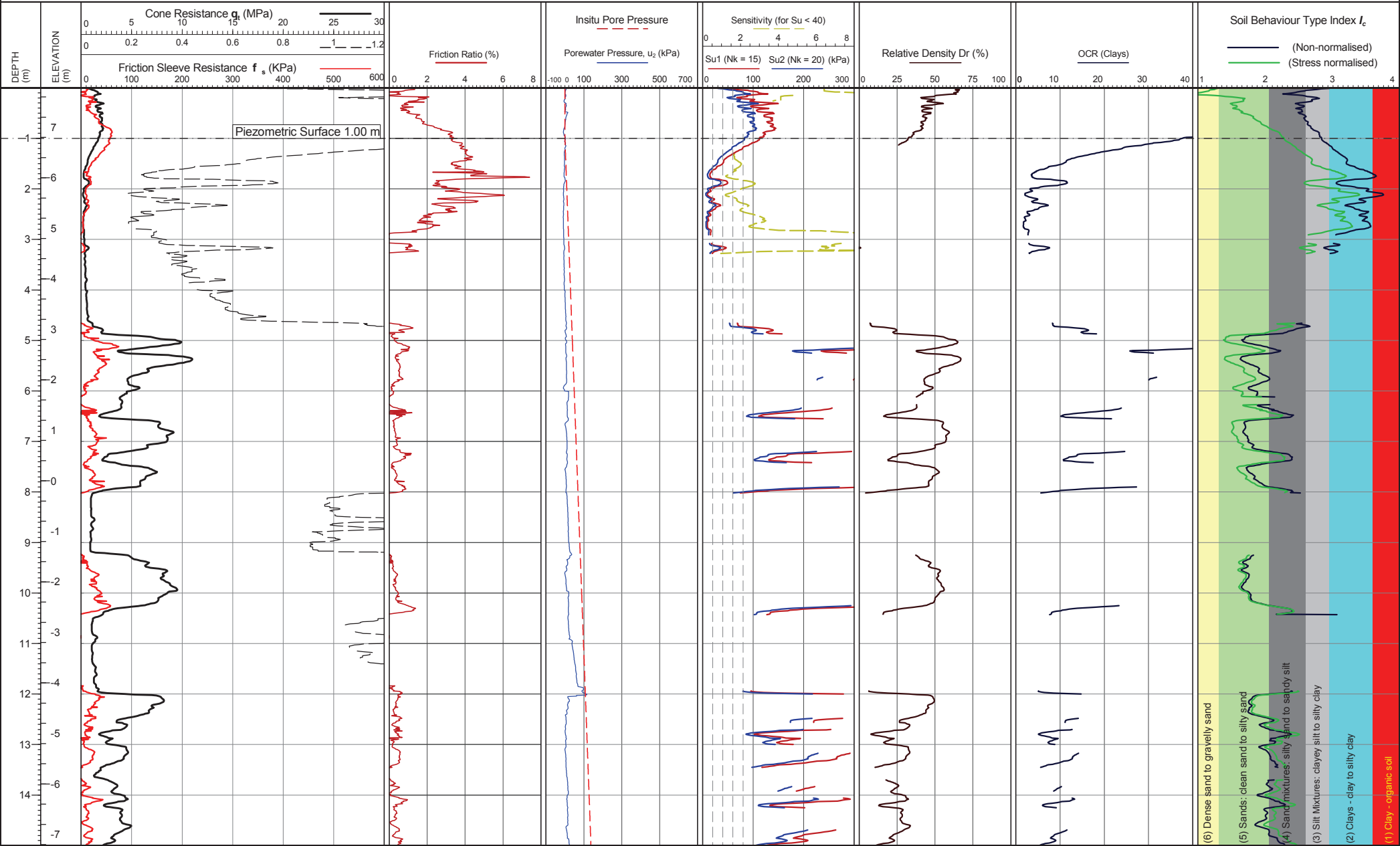


Both drained and undrained parameters are calculated for
mixed SBTs = Ic 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

TEST ID: CPT C-ZG7

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Cone area (mm²):1500
ConeID: S15-CFIP.878
Operator: Ben Ranson
Date of test: 22/07/2013 10:28:11

Location: Somerset
Coordinates: 331932.809, 139630.224
Elevation: 7.78
Coordinate system:

Remarks: *Piezometric surface origin: Est. from u_2 piezo data

 Dissipation Test

Both drained and undrained parameters are calculated for mixed SBTs = I_c 2.05-2.95. See report section 'Drained and Undrained Behaviour' for discussion.
See report section 'Interpretative Data' for methods and discussion of parameter evaluation.

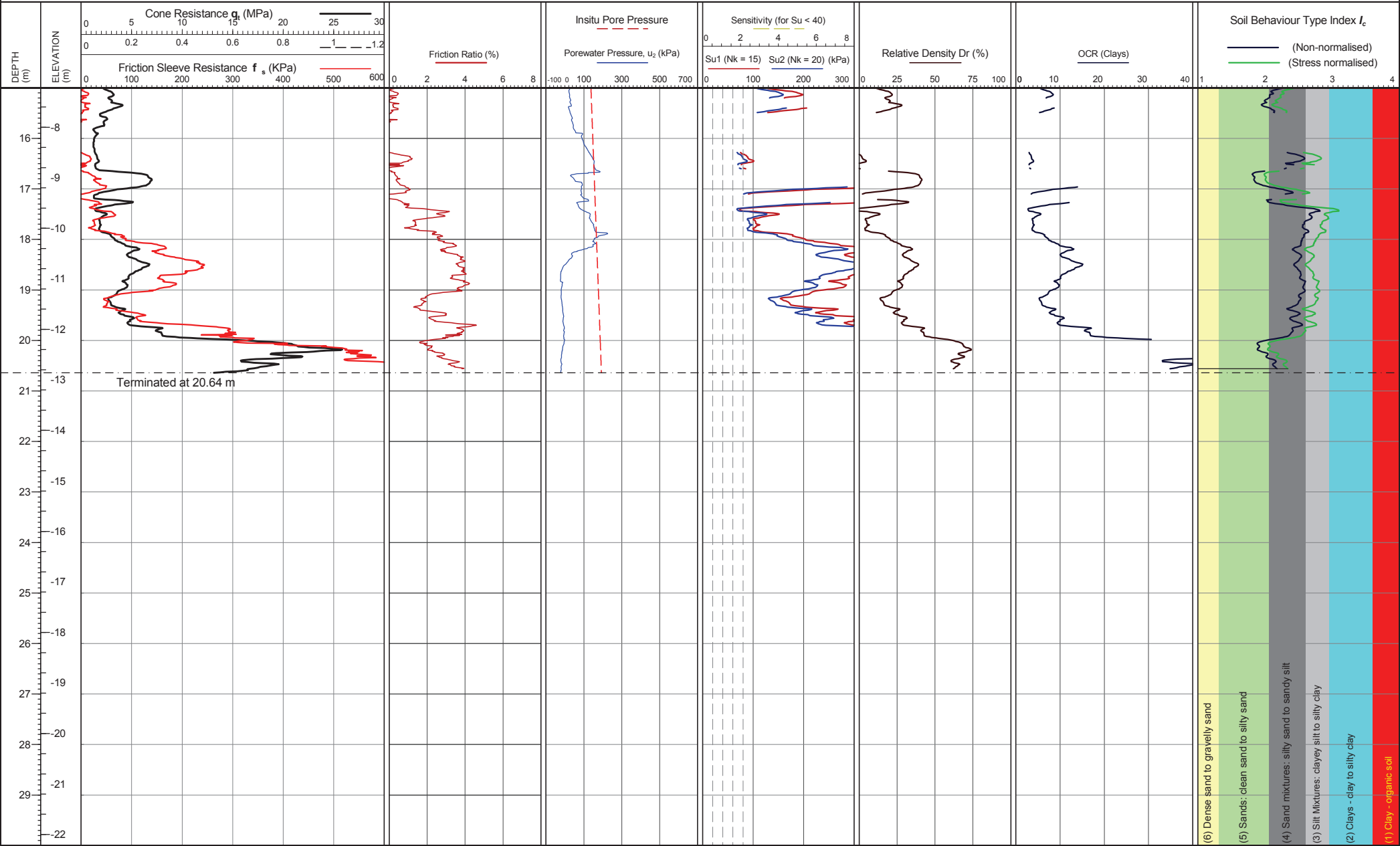
Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by: Emma Stickland

TEST ID: CPT VQ43R

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Client: STRUCTURAL SOILS

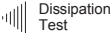
Project: HINKLEY TO SEABANK



Cone area (mm²):1500
ConeID: S15-CFIP.878
Operator: Ben Ranson
Date of test: 22/07/2013 10:28:11

Location: Somerset
Coordinates: 331932.809, 139630.224
Elevation: 7.78
Coordinate system:

Remarks: *Piezometric
surface origin: Est. from
 u_2 piezo data



Both drained and undrained parameters are calculated for
mixed SBTs = I_c 2.05-2.95. See report section 'Drained and
Undrained Behaviour' for discussion.
See report section 'Interpretative Data'
for methods and discussion of parameter evaluation.

Date of plot: 16-10-13
Lankelma Project Ref: P105654
Checked by:
Emma Stickland

TEST ID: CPT VQ43R

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APPENDIX G


(i) Groundwater Monitoring Results

IN-SITU WATER MONITORING RESULTS

	<u>Weather</u>	<u>Ground Conditions</u>	<u>Wind Conditions</u>	<u>Air Temperature(°C)</u>	<u>Equipment Used & Remarks</u>
Round 1	Sunny	Dry	Light	-	Dipmeter
Round 2	Sunny	Dry	Light	-	Dipmeter
Round 3	Sunny	Dry	Medium	-	Dipmeter
Round 4	Sunny	Dry	Light	-	Dipmeter
Round 5	Sunny	Dry	Light	-	Dipmeter

Exploratory Position ID	Pipe Ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (m)	Response Zone	Date & Time of Monitoring	Water Depth (m)	Remarks
BHBWT1	1	50	5 / 1	15.00	14.40	1.00 to 15.00	11/07/2013	12.98	
BHC1A	1	50	1 / 1	25.40	26.43	1.00 to 25.40	28/05/2013	0.60	
BHC1B	1	50	1 / 1	11.40	9.32	1.00 to 11.40	28/05/2013	0.51	
BHC1C	1	50	2 / 1	18.00	17.87	1.00 to 18.00	18/06/2013	0.71	
BHC2A	1	50	2 / 1	23.00	22.95	1.00 to 23.00	18/06/2013	0.44	
BHC2B	1	50	2 / 1	18.00	17.66	1.50 to 18.00	18/06/2013	0.25	
BHC2C	1	50	1 / 1	20.00	18.71	1.00 to 20.00	28/05/2013	0.41	
BHC2DA	1	50	1 / 1	6.00	6.00	1.00 to 6.00	28/05/2013	1.26	
BHC3A	1	50	1 / 1	20.00	19.76	3.00 to 20.00	28/05/2013	0.26	

Key: NDA denotes 'no data available'.



 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By	Date	Checked By	Date	Contract Ref:
		17/10/13			727635
Contract: Hinkley to Seabank 400kV Connection					Page: 1 of 4



IN-SITU WATER MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (m)	Response Zone	Date & Time of Monitoring	Water Depth (m)	Remarks
BHC3B	1	50	1 / 1	4.00	3.90	1.00 to 4.00	28/05/2013	0.35	
BHC3C	1	50	1 / 1	3.00	3.00	1.00 to 3.00	28/05/2013	1.82	
BHC3D	1	50	1 / 1	19.40	18.95	3.00 to 19.40	28/05/2013	1.85	
BHC5	1	50	2 / 1	10.00	10.00	1.00 to 10.00	18/06/2013	4.74	
BHC6	1	50	2 / 1	10.00	10.00	1.00 to 10.00	18/06/2013	2.03	
BHC7	1	50	5 / 1	3.00	3.03	1.00 to 3.00	11/07/2013	2.69	
BHC8A	1	50	5 / 1	6.00	5.88	1.00 to 6.00	11/07/2013	3.31	
BHC8B	1	50	1 / 1	20.00	19.24	3.00 to 20.00	28/05/2013	1.64	
BHC8C	1	50	1 / 1	19.70	19.76	3.00 to 19.70	28/05/2013	2.39	
BHC8D	1	50	1 / 1	4.00	4.04	1.00 to 4.00	28/05/2013	1.37	
BHC9A	1	50	3 / 1	6.00	6.00	1.00 to 6.00	21/06/2013	2.17	
BHC9B	1	50	3 / 1	14.50	14.50	1.00 to 14.50	21/06/2013	1.98	
BHC9C	1	50	3 / 1	14.40	14.40	1.00 to 14.40	21/06/2013	2.15	



Key: NDA denotes 'no data available'.

 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By	Date	Checked By	Date	Contract Ref:
		17/10/13			727635
Contract: Hinkley to Seabank 400kV Connection					Page: 2 of 4 

IN-SITU WATER MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (m)	Response Zone	Date & Time of Monitoring	Water Depth (m)	Remarks
BHC9D	1	50	3 / 1	6.00	6.00	1.00 to 6.00	21/06/2013	1.26	
BHC10	1	50	5 / 1	10.00	9.88	1.00 to 10.00	11/07/2013	0.29	
BHC11	1	50	1 / 1	10.00	9.81	1.00 to 10.00	28/06/2013	9.05	
BHC12A	1	50	1 / 1	10.00	10.14	1.00 to 10.00	28/06/2013	0.66	
BHC12B	1	50	1 / 1	19.00	19.06	1.00 to 19.00	28/06/2013	0.29	
BHC12C	1	50	1 / 1	10.00	9.34	1.00 to 10.00	28/06/2013	0.44	
BHC12D	1	50	1 / 1	15.00	14.92	1.00 to 15.00	28/06/2013	0.58	
BHC13	1	50	1 / 1	8.50	6.32	1.00 to 8.50	28/06/2013	2.92	
BHC14	1	50	1 / 1	24.00	24.00	1.00 to 24.00	28/06/2013	1.46	
BHC14	1	50	5 / 1	24.00	24.24	1.00 to 24.00	11/07/2013	1.49	
BHC-LD1	1	50	4 / 1	3.00	3.15	1.00 to 3.00	10/07/2013	0.45	
BHC-LD23	1	50	5 / 1	3.00	2.90	1.00 to 3.00	11/07/2013	0.71	
BHC-LD39	1	50	1 / 1	19.80	19.78	1.00 to 19.80	28/06/2013	0.62	

Key: NDA denotes 'no data available'.


 STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB	Compiled By	Date	Checked By	Date	Contract Ref:
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Contract: Hinkley to Seabank 400kV Connection					Page: 3 of 4 

IN-SITU WATER MONITORING RESULTS

Exploratory Position ID	Pipe ref	Pipe Diameter	Monitoring Round / Test Number	Reported Installation Depth (m)	Measured Installation Depth (m)	Response Zone	Date & Time of Monitoring	Water Depth (m)	Remarks
BHC-LD39	1	50	5 / 1	19.80	19.78	1.00 to 19.80	11/07/2013	0.69	
BHVQ43R	1	50	5 / 1	3.00	3.25	1.00 to 3.00	11/07/2013	1.96	

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Key: NDA denotes 'no data available'.

 <div>STRUCTURAL SOILS The Old School Stillhouse Lane Bedminster Bristol BS3 4EB</div>	Compiled By	Date	Checked By	Date	Contract Ref:
	<div></div> <div>Contract:</div>	17/10/13			727635
Hinkley to Seabank 400kV Connection					Page: 4 of 4 