

Dove Valley Park



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/18C

Clients Reference:

C1583/18C

REPORT NO:

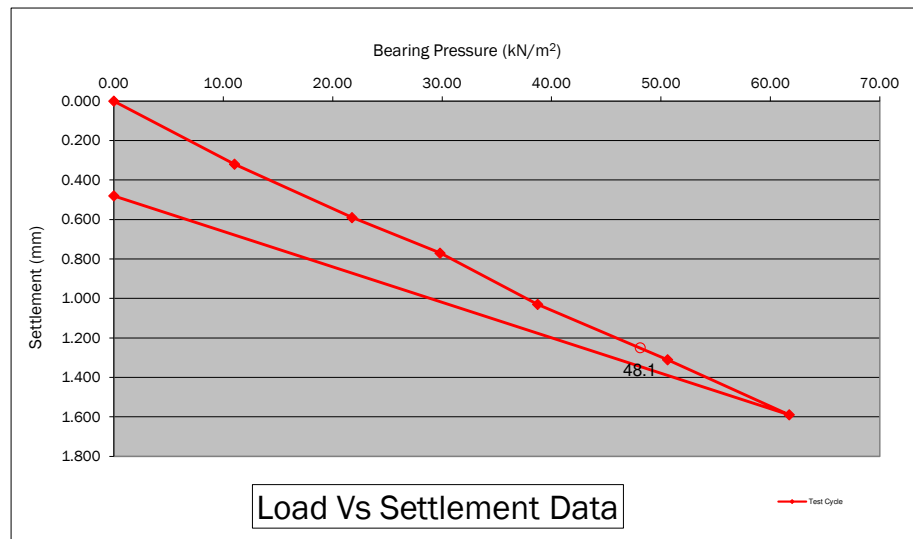
ETS/22711C

Report Date:

01/10/2025

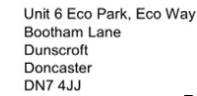
TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Y12 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 		

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

	C1583/18D
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REPORT NO:

ETS/22711D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference:

C1583/18D

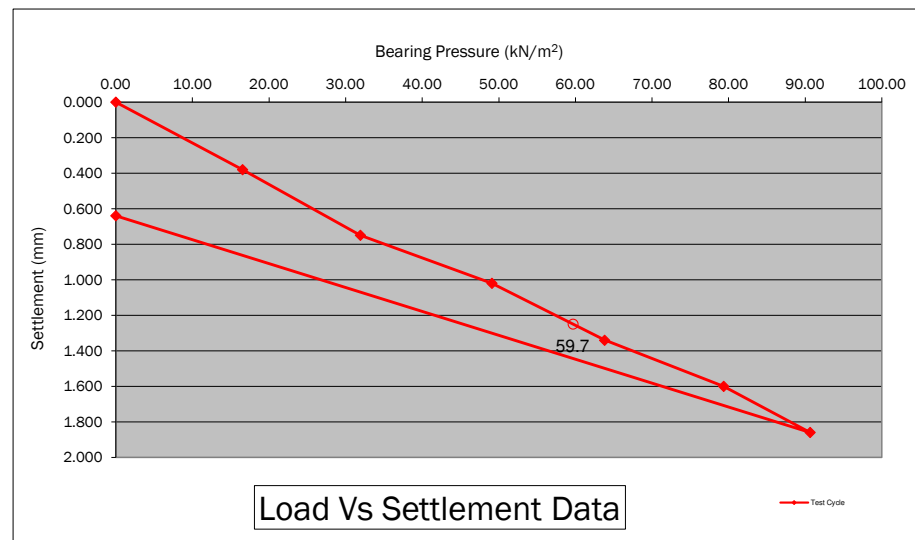
Report Date:

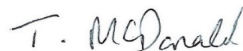
01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	W12 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
<i>kN/m²</i>	<i>mm</i>
16.55	0.38
31.94	0.75
49.09	1.02
63.80	1.34
79.37	1.60
90.65	1.86
0.00	0.64
Recovery %	66



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 5.4		
Maximum Applied Pressure	90.6	kN/m²			
Maximum Settlement	1.86	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	59.7	kN/m²			
Modulus of Subgrade Reaction K762	38.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/18E
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Clients Reference:

C1583/18E

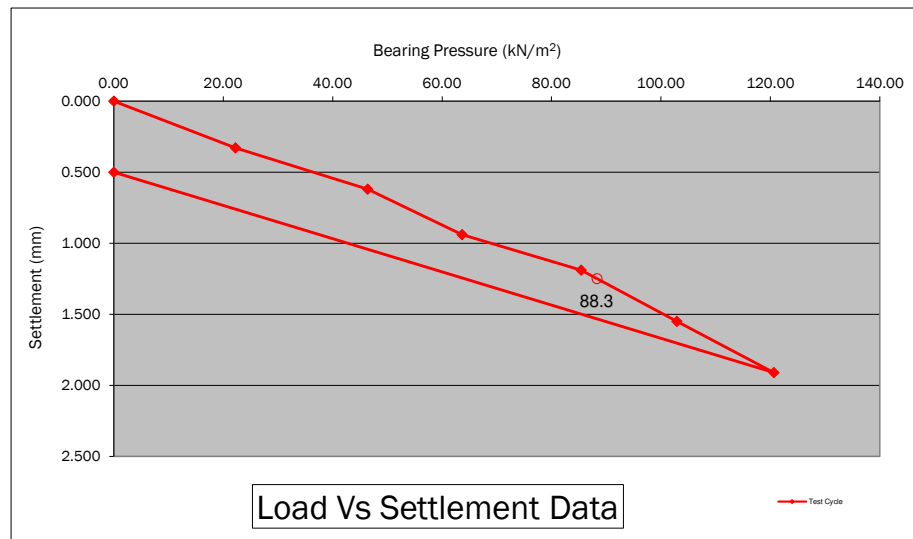
REPORT NO:	ETS/22711E
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Report Date:	01/10/2025
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TEST REPORT

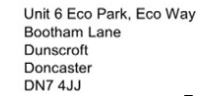
Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Y14 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
Bearing Pressure (See Notes below)	Settlement
<i>kN/m²</i>	<i>mm</i>
22.25	0.33
46.37	0.62
63.63	0.94
85.41	1.19
102.92	1.55
120.60	1.91
0.00	0.50
Recovery %	74



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	120.6	kN/m²			
Maximum Settlement	1.91	mm			
Test Cycle Values			10.6		
Bearing Pressure @ 1.25mm Settlement	88.3	kN/m²			
Modulus of Subgrade Reaction K762	56.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/18F

Clients Reference:

C1583/18F

REPORT NO:

ETS/22711F

Report Date:

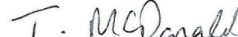
01/10/2025

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	W14 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Load Vs Settlement Data

The graph displays two test cycles of bearing pressure versus settlement. The x-axis represents Bearing Pressure in kN/m^2 , ranging from 0.00 to 70.00. The y-axis represents Settlement in mm, ranging from 0.00 at the top to 1.800 at the bottom. The upper red line represents the first test cycle, and the lower red line represents the second test cycle. A specific point on the lower cycle is highlighted at a settlement of 50.3 mm.

Bearing Pressure (kN/m^2)	Settlement (mm) - Cycle 1	Settlement (mm) - Cycle 2
0.00	0.00	0.52
10.00	0.22	0.75
22.00	0.55	0.95
32.00	0.80	1.10
43.00	1.05	1.25
50.3	1.25	1.25
55.00	1.35	1.35
62.00	1.70	1.70

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 4.0		
Maximum Applied Pressure	61.7	kN/m²			
Maximum Settlement	1.71	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	50.3	kN/m²			
Modulus of Subgrade Reaction K762	32.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/18G
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Clients Reference:

C1583/18G

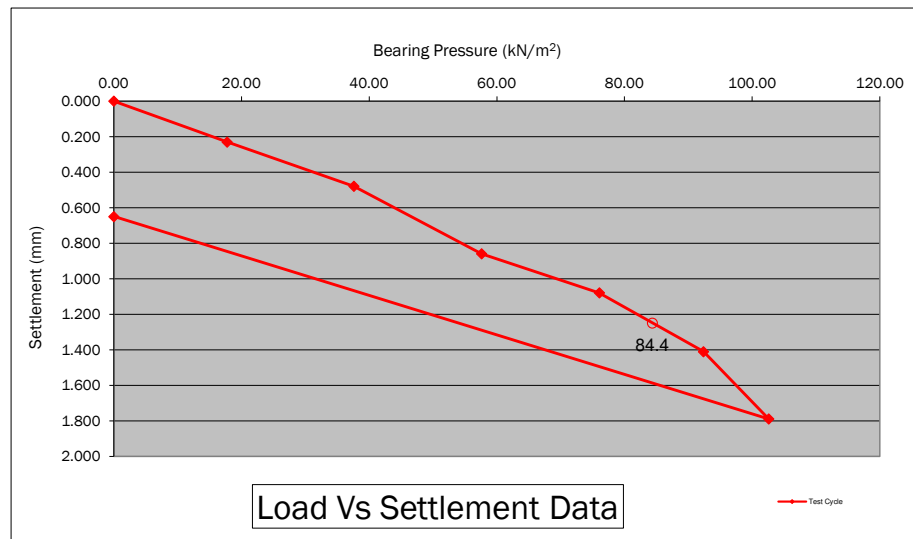
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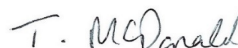
Report Date:	01/10/2025
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TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	U14 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
17.72	0.23
37.60	0.48
57.61	0.86
76.04	1.08
92.35	1.41
102.60	1.79
0.00	0.65
Recovery %	64



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 9.8		
Maximum Applied Pressure	102.6	kN/m²			
Maximum Settlement	1.79	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	84.4	kN/m²			
Modulus of Subgrade Reaction K762	54.3	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/19

REPORT NO:

ETS/22712

Clients Reference:

C1583/19

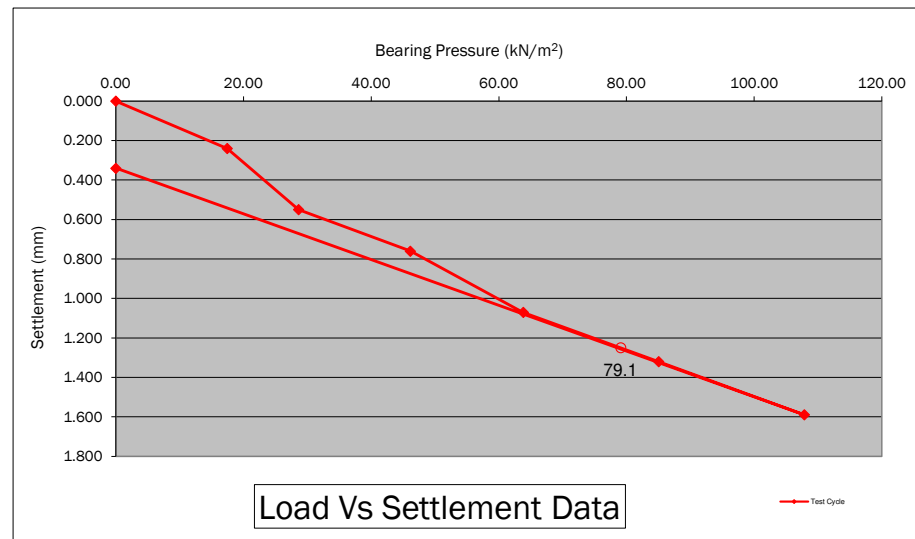
Report Date:

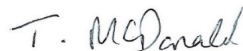
01/10/2025

TEST REPORT

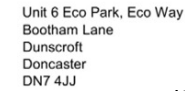
Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Z10 Trench Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
17.44	0.24
28.65	0.55
46.12	0.76
63.80	1.07
85.06	1.32
107.87	1.59
0.00	0.34
Recovery %	79



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 		

Dove Valley Park



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Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/20A

REPORT NO:

ETS/22713A

Clients Reference:

C1583/20A

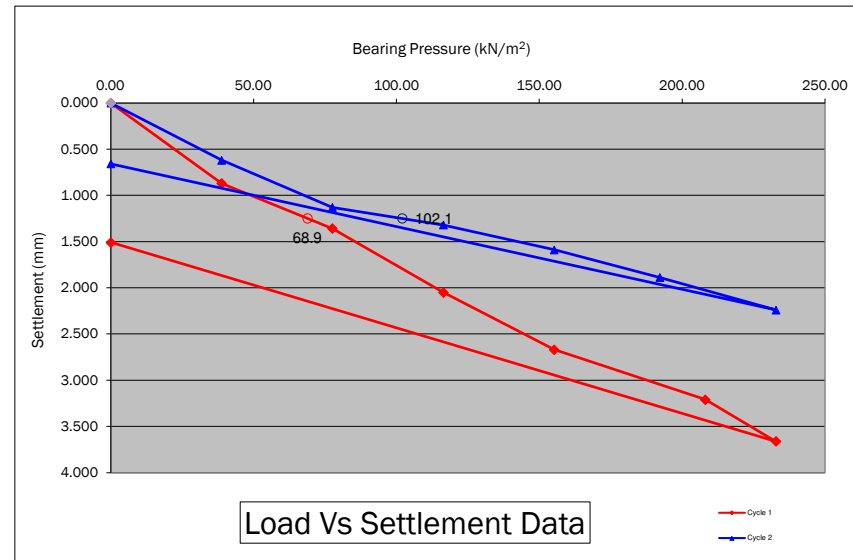
Report Date:

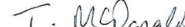
01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Z10 Trench Layer 2 FF (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.87	38.8	0.62
77.6	1.36	77.6	1.13
116.4	2.05	116.4	1.32
155.3	2.67	155.3	1.59
208.1	3.21	192.2	1.89
232.8	3.66	232.8	2.24
0.0	1.51	0.0	0.66
Recovery %	59		71



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.24	mm	Cycle 1	6.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.9	kN/m²	Cycle 2	13.6	
Modulus of Subgrade Reaction K762	44.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

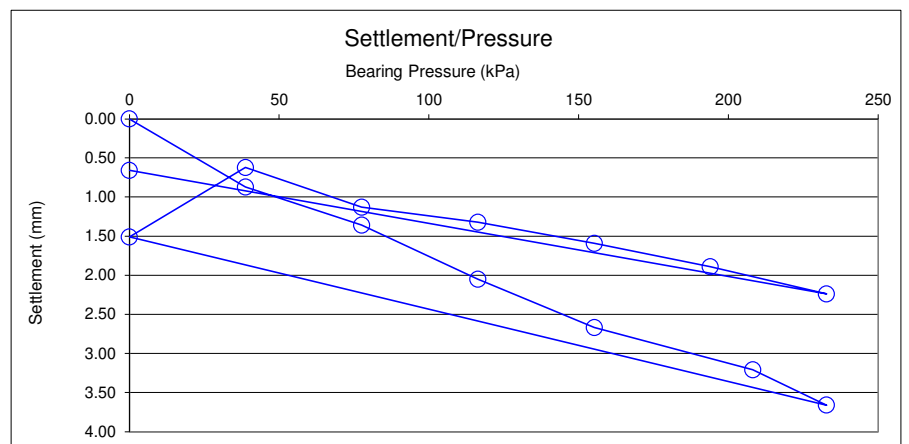
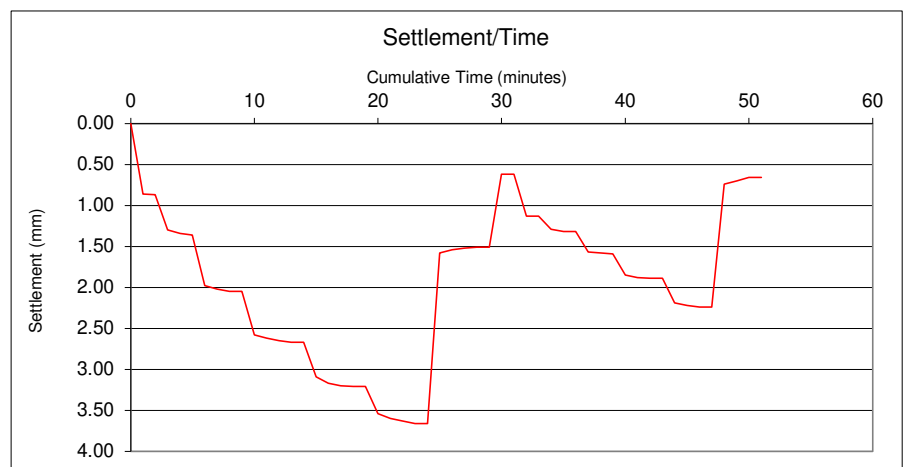
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/20A	REPORT NO: ETS/22713A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/20A	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Z10 Trench Layer 2 FF (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.87
5.0	77.6	1.36
9.0	116.4	2.05
14.0	155.3	2.67
19.0	208.1	3.21
24.0	232.8	3.66
29.0	0.0	1.51
31.0	38.8	0.62
33.0	77.6	1.13
36.0	116.4	1.32
39.0	155.3	1.59
43.0	194.0	1.89
47.0	232.8	2.24
51.0	0.0	0.66



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		30.0
Strain Modulus - Ev ₂ Value (MN/m ²)		82.27
Ev ₂ /Ev ₁	2.74	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.66 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

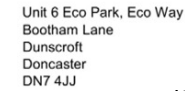
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/20B

REPORT NO:

ETS/22713B

Clients Reference:

C1583/20B

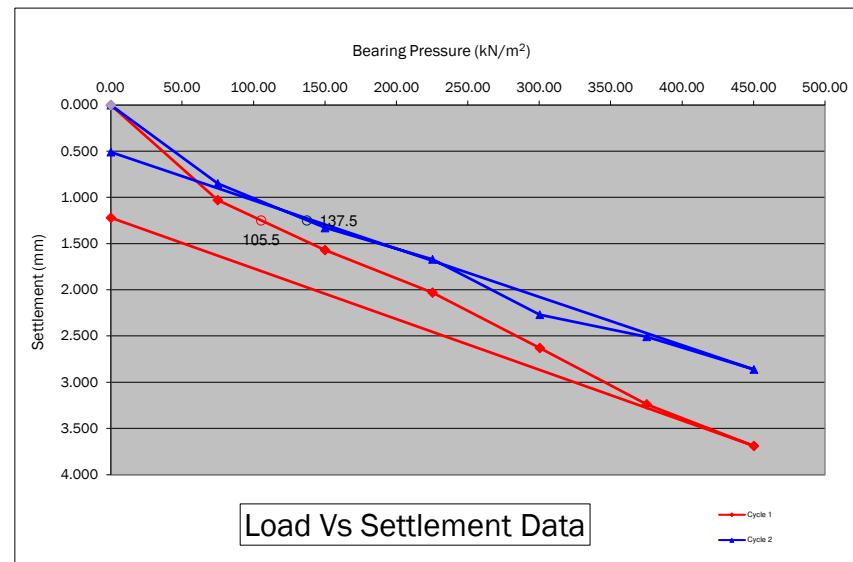
Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Z10 Trench Layer 2 FF (0.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
75.0	1.03	75.0	0.85
150.0	1.57	150.0	1.33
225.3	2.03	225.3	1.67
300.3	2.63	300.3	2.27
375.3	3.24	375.3	2.51
450.2	3.69	450.2	2.86
0.0	1.22	0.0	0.51
Recovery %	67		82



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.2	kN/m ²			
Maximum Settlement	2.86	mm	Cycle 1	14.4	
Cycle 1 Values			Cycle 2	22.8	
Bearing Pressure @ 1.25mm Settlement	105.5	kN/m ²			
Modulus of Subgrade Reaction K762	67.9	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

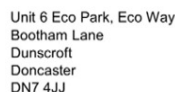
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/20B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/20B

REPORT NO: ETS/22713B

Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	Z10 Trench Layer 2 FF (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	1.03
5.0	150.0	1.57
9.0	225.3	2.03
14.0	300.3	2.63
19.0	375.3	3.24
25.0	450.2	3.69
30.0	0.0	1.22
32.0	75.0	0.85
34.0	150.0	1.33
36.0	225.3	1.67
39.0	300.3	2.27
42.0	375.3	2.51
45.0	450.2	2.86
50.0	0.0	0.51

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.450	0.450
Strain Modulus - Ev ₁ Value (MN/m ²)		63.1
Strain Modulus - Ev ₂ Value (MN/m ²)		95.23
Ev ₂ /Ev ₁	1.51	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

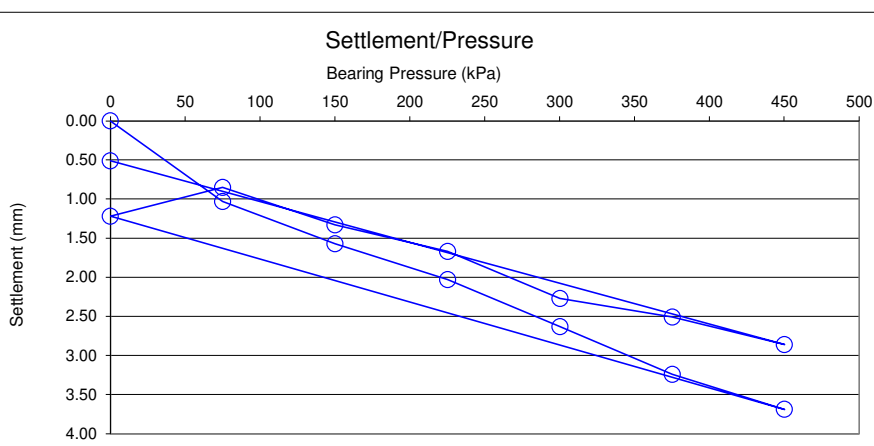
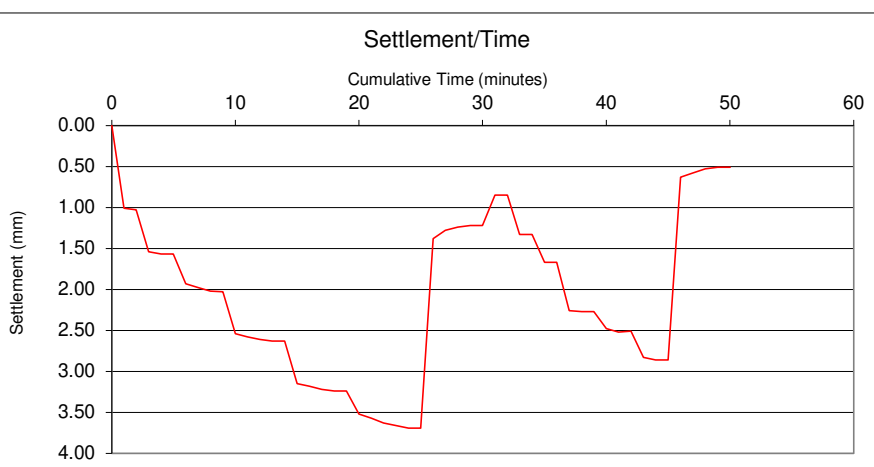


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	450.2 kPa
Maximum Settlement	3.69 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

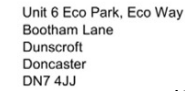
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/28A

REPORT NO:

ETS/22809A

Clients Reference:

C1583/28A

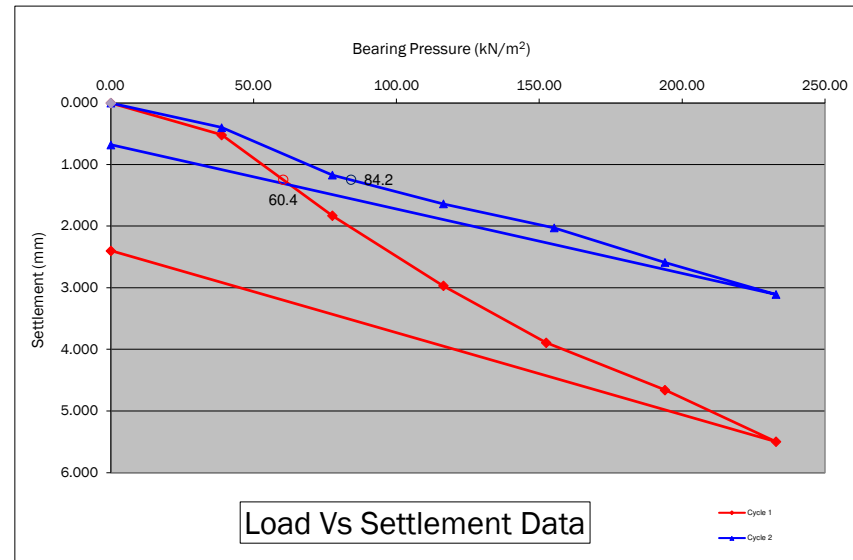
Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N1 Rd Box FF (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.52	38.8	0.40
77.6	1.83	77.6	1.17
116.4	2.97	116.4	1.64
152.4	3.89	155.2	2.03
194.0	4.66	194.0	2.59
232.8	5.50	232.8	3.11
0.0	2.40	0.0	0.68
Recovery %	56		78



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	3.11	mm	Cycle 1	5.5	
Cycle 1 Values			Cycle 2	9.8	
Bearing Pressure @ 1.25mm Settlement	60.4	kN/m²			
Modulus of Subgrade Reaction K762	38.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

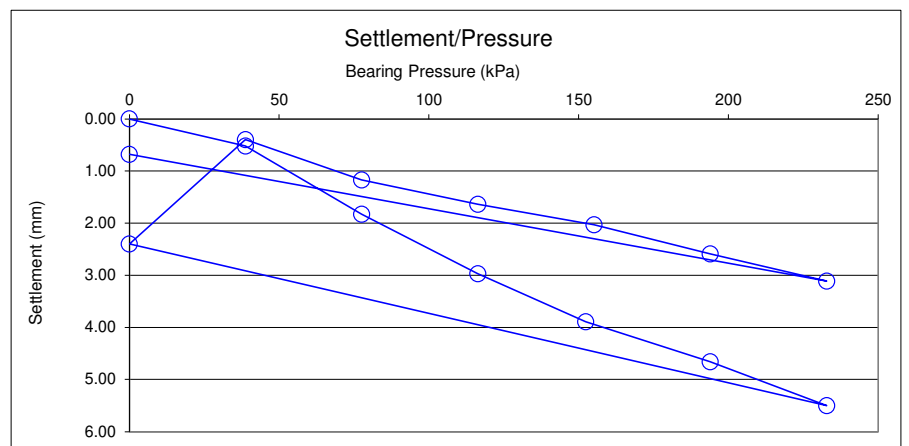
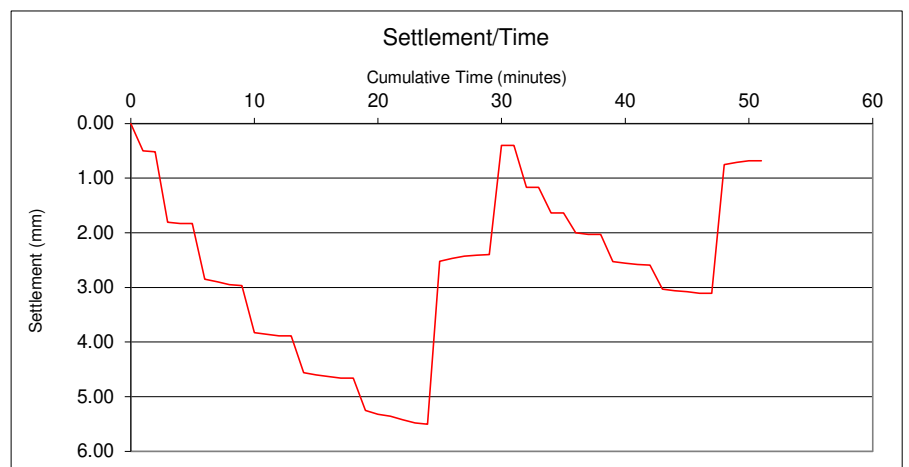
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/28A	REPORT NO: ETS/22809A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/28A	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N1 Rd Box FF (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.52
5.0	77.6	1.83
9.0	116.4	2.97
13.0	152.4	3.89
18.0	194.0	4.66
24.0	232.8	5.50
29.0	0.0	2.40
31.0	38.8	0.40
33.0	77.6	1.17
35.0	116.4	1.64
38.0	155.2	2.03
42.0	194.0	2.59
47.0	232.8	3.11
51.0	0.0	0.68



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		16.8
Strain Modulus - Ev ₂ Value (MN/m ²)		52.80
Ev ₂ /Ev ₁	3.14	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	5.5 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

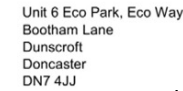
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/28B

REPORT NO:

ETS/22809B

Clients Reference:

C1583/28B

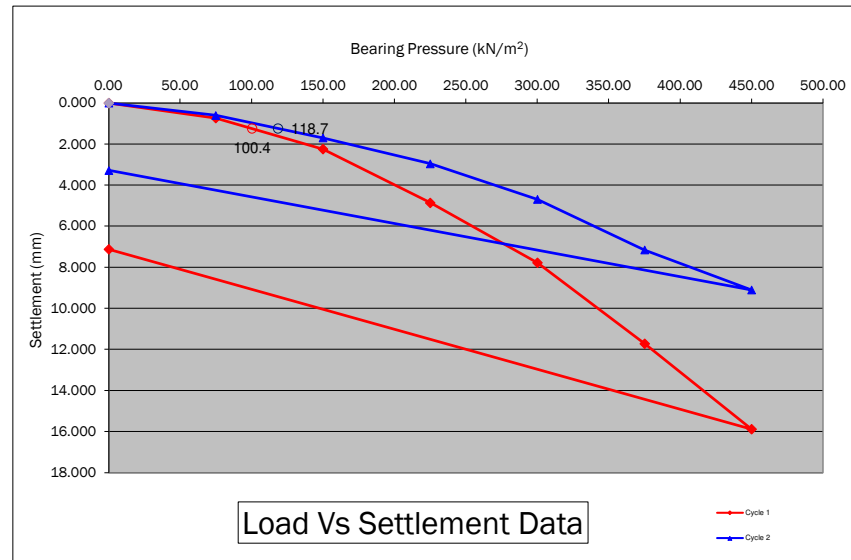
Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N1 Rd Box FF (0.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
75.0	0.74	75.0	0.61
150.0	2.25	150.0	1.71
225.0	4.86	225.0	2.96
300.1	7.78	300.1	4.70
375.1	11.72	375.1	7.16
450.1	15.88	450.1	9.11
0.0	7.13	0.0	3.29
Recovery %	55		64



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.1	kN/m²			
Maximum Settlement	9.11	mm	Cycle 1 13.2		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	100.4	kN/m²	Cycle 2 17.7		
Modulus of Subgrade Reaction K762	64.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

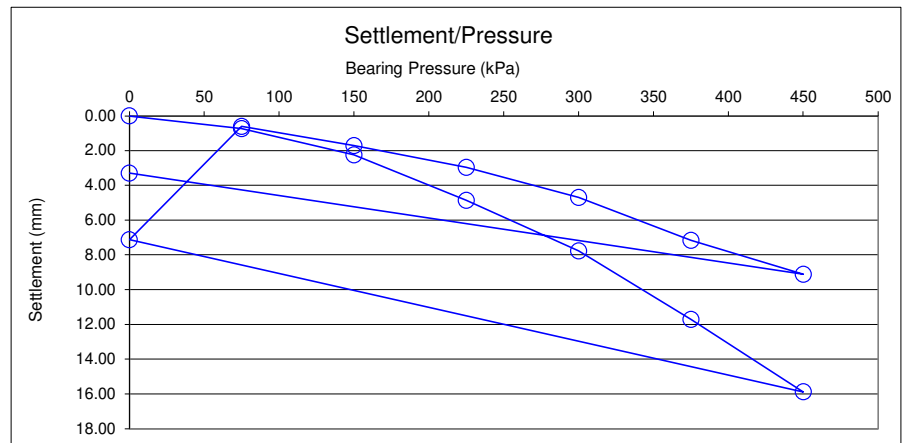
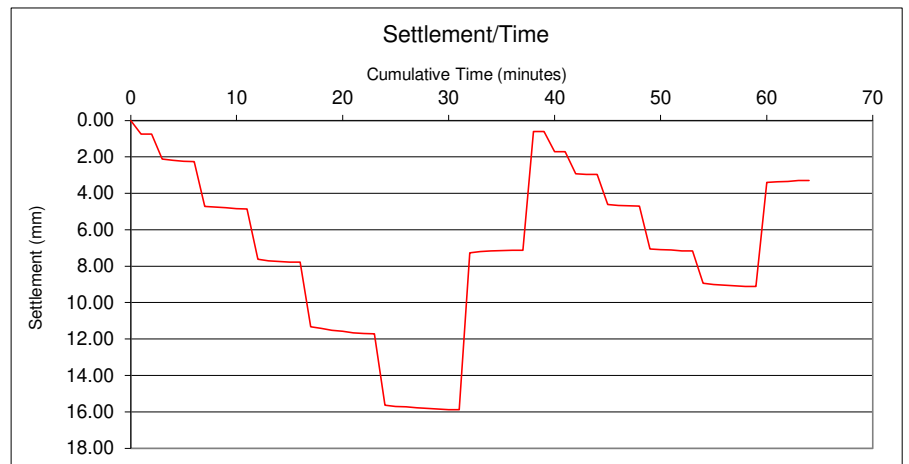
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/288	REPORT NO: ETS/22809B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/288	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N1 Rd Box FF (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	0.74
6.0	150.0	2.25
11.0	225.0	4.86
16.0	300.1	7.78
23.0	375.1	11.72
31.0	450.1	15.88
37.0	0.0	7.13
39.0	75.0	0.61
41.0	150.0	1.71
44.0	225.0	2.96
48.0	300.1	4.70
53.0	375.1	7.16
59.0	450.1	9.11
64.0	0.0	3.29



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.375	0.450
Strain Modulus - Ev ₂ Value (MN/m ²)		14.1
Strain Modulus - Ev ₂ Value (MN/m ²)		32.30
Ev ₂ /Ev ₁	2.29	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	450.1 kPa
Reaction Load	20T Roller	Maximum Settlement	15.88 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

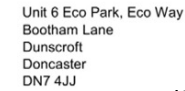
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/28C

REPORT NO:

ETS/22809C

Clients Reference:

C1583/28C

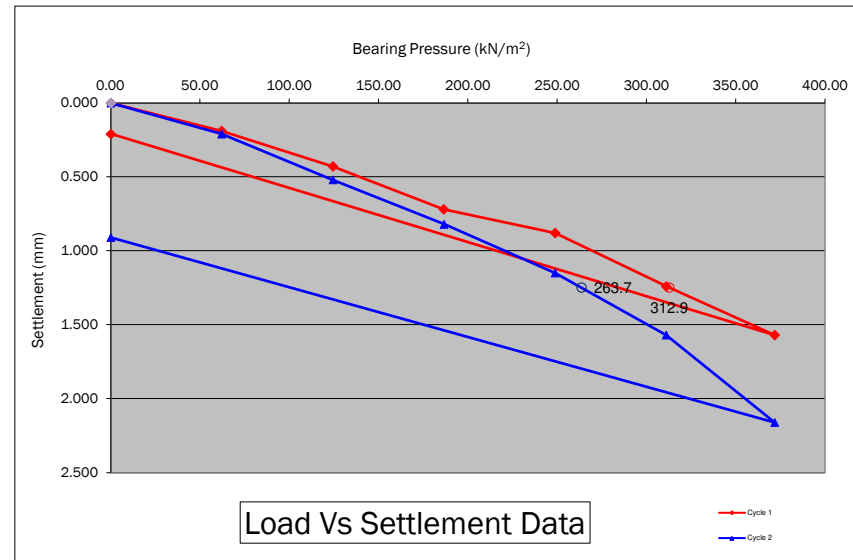
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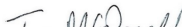
01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N3 Rd Box FF (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
62.0	0.19	62.0	0.21
124.4	0.43	124.4	0.52
186.5	0.72	186.6	0.82
248.8	0.88	248.8	1.15
311.1	1.24	311.1	1.57
371.9	1.57	371.9	2.16
0.0	0.21	0.0	0.91
Recovery %	87		58



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	371.9	kN/m²			
Maximum Settlement	2.16	mm	Cycle 1	94.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	312.9	kN/m²	Cycle 2	70.5	
Modulus of Subgrade Reaction K762	201.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested.		
			This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

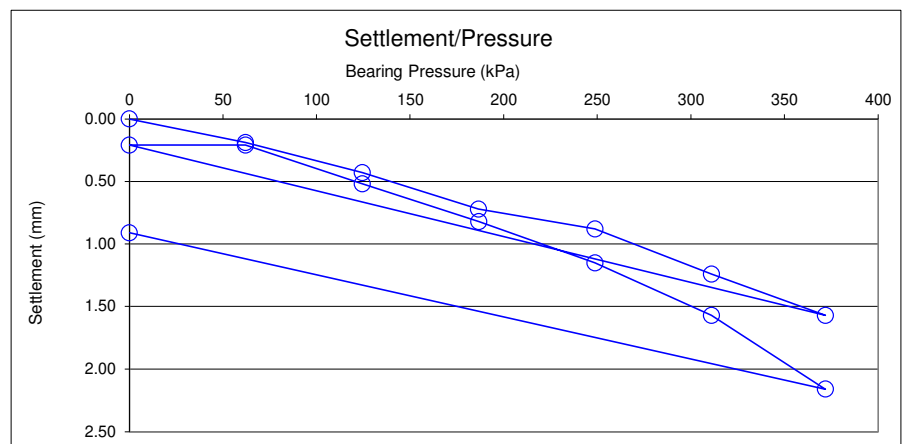
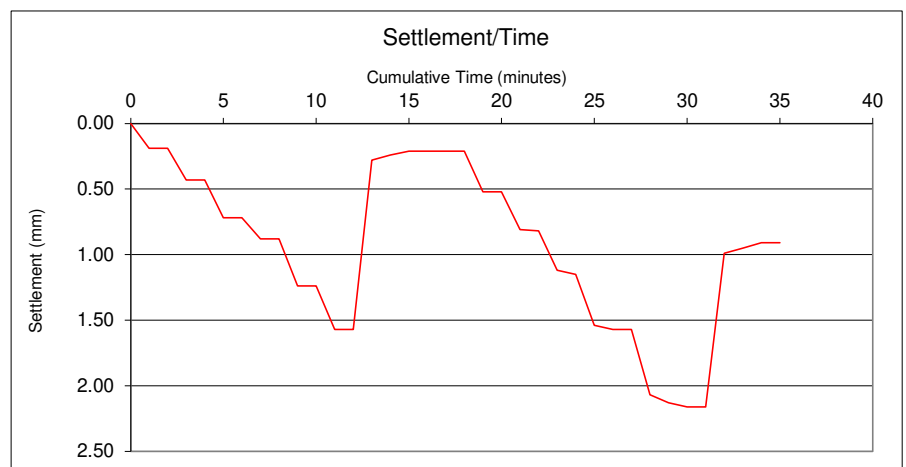
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/28C	REPORT NO: ETS/22809C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/28C	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N3 Rd Box FF (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	62.0	0.19
4.0	124.4	0.43
6.0	186.5	0.72
8.0	248.8	0.88
10.0	311.1	1.24
12.0	371.9	1.57
16.0	0.0	0.21
18.0	62.0	0.21
20.0	124.4	0.52
22.0	186.6	0.82
24.0	248.8	1.15
27.0	311.1	1.57
31.0	371.9	2.16
35.0	0.0	0.91



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.372	0.372
Strain Modulus - Ev ₂ Value (MN/m ²)		109.9
Strain Modulus - Ev ₂ Value (MN/m ²)		87.27
Ev ₂ /Ev ₁	0.79	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	371.9 kPa
Reaction Load	20T Roller	Maximum Settlement	2.16 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

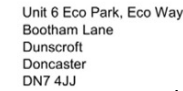
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/28D

REPORT NO:

ETS/22809D

Clients Reference:

C1583/28D

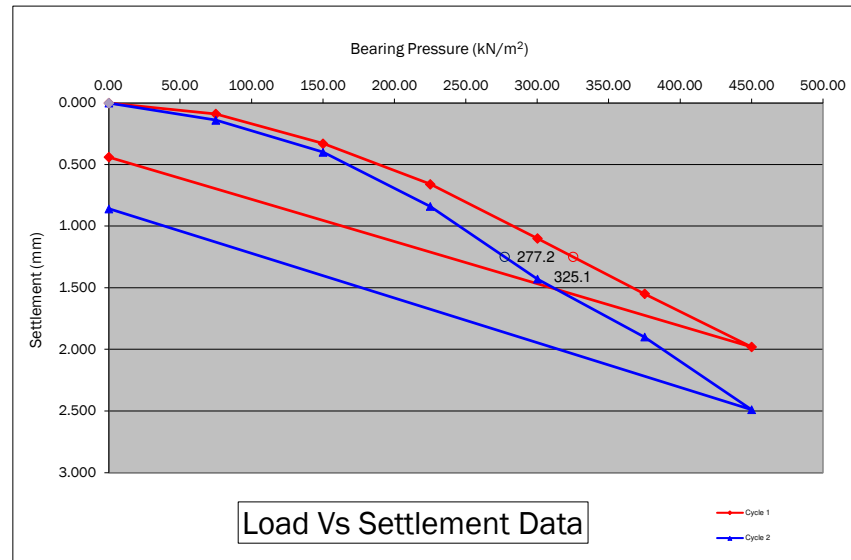
Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N3 Rd Box FF (0.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
75.0	0.09	75.0	0.14
150.0	0.33	150.0	0.40
225.0	0.66	225.0	0.84
300.1	1.10	300.1	1.43
375.1	1.55	375.1	1.90
450.1	1.98	450.1	2.49
0.0	0.44	0.0	0.86
Recovery %	78		66

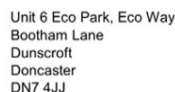


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.1	kN/m²			
Maximum Settlement	2.49	mm	Cycle 1	101.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	325.1	kN/m²	Cycle 2	76.9	
Modulus of Subgrade Reaction K762	209.2	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/28D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/28D

REPORT NO: ETS/22809D

Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	25/09/2025
Test Location:	N3 Rd Box FF (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	0.09
4.0	150.0	0.33
6.0	225.0	0.66
8.0	300.1	1.10
10.0	375.1	1.55
13.0	450.1	1.98
17.0	0.0	0.44
19.0	75.0	0.14
21.0	150.0	0.40
23.0	225.0	0.84
26.0	300.1	1.43
29.0	375.1	1.90
33.0	450.1	2.49
38.0	0.0	0.86

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.450	0.450
Strain Modulus - Ev ₁ Value (MN/m ²)		92.3
Strain Modulus - Ev ₂ Value (MN/m ²)		85.91
Ev ₂ /Ev ₁	0.93	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

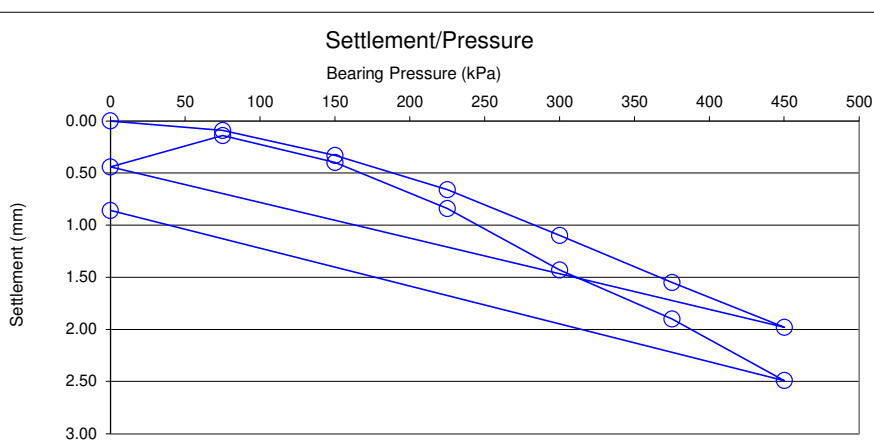
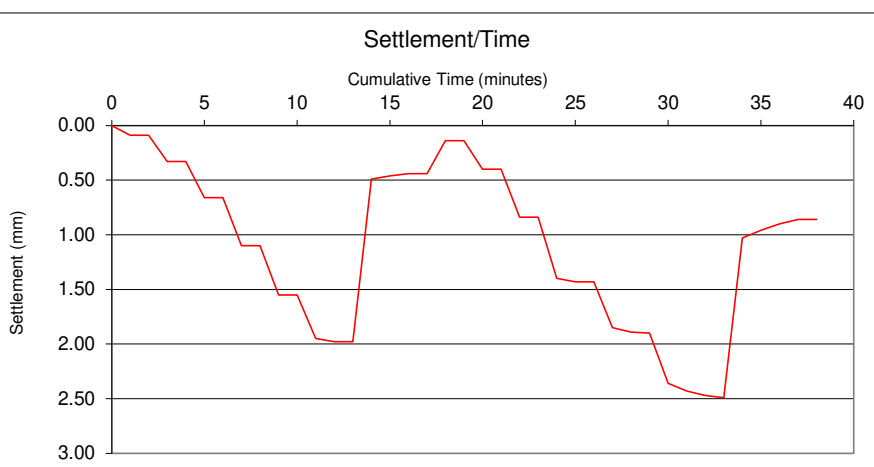


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	450.1 kPa
Maximum Settlement	2.49 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

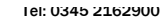
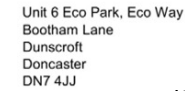
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/31A

C1583/31A

REPORT NO:

ETS/22937A

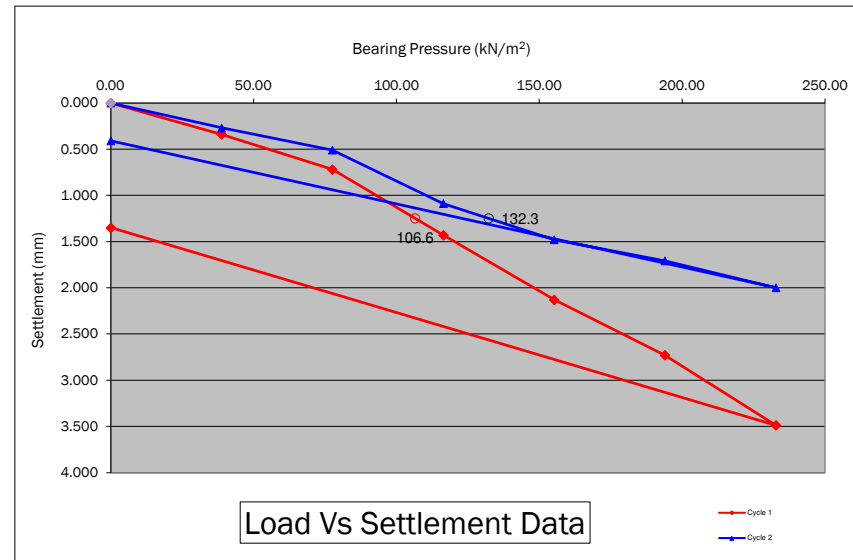
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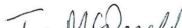
01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB10 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.34	38.8	0.27
77.6	0.72	77.6	0.51
116.4	1.43	116.4	1.09
155.2	2.13	155.2	1.48
194.0	2.73	194.0	1.71
232.8	3.49	232.8	2.00
0.0	1.35	0.0	0.41
Recovery %	61		80

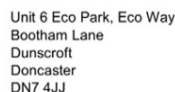


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2	mm	Cycle 1 14.7		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	106.6	kN/m²	Cycle 2 21.3		
Modulus of Subgrade Reaction K762	68.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/31A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/31A

REPORT NO: ETS/22937A

Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB10 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		28.3
Strain Modulus - Ev ₂ Value (MN/m ²)		69.29
Ev ₂ /Ev ₁	2.45	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

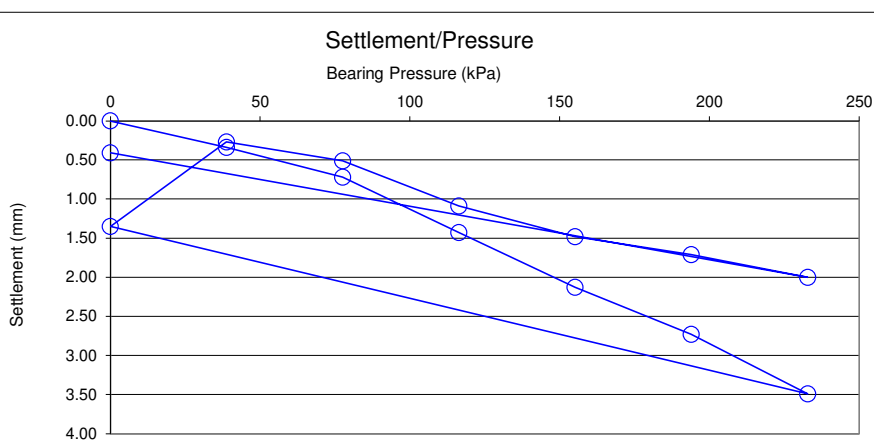
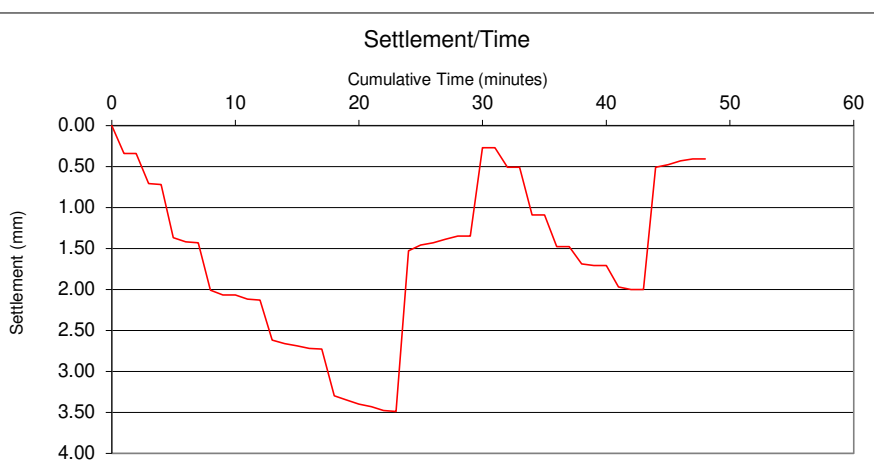


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	3.49 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

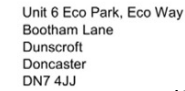
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/31B

REPORT NO:

ETS/22937B

Clients Reference:

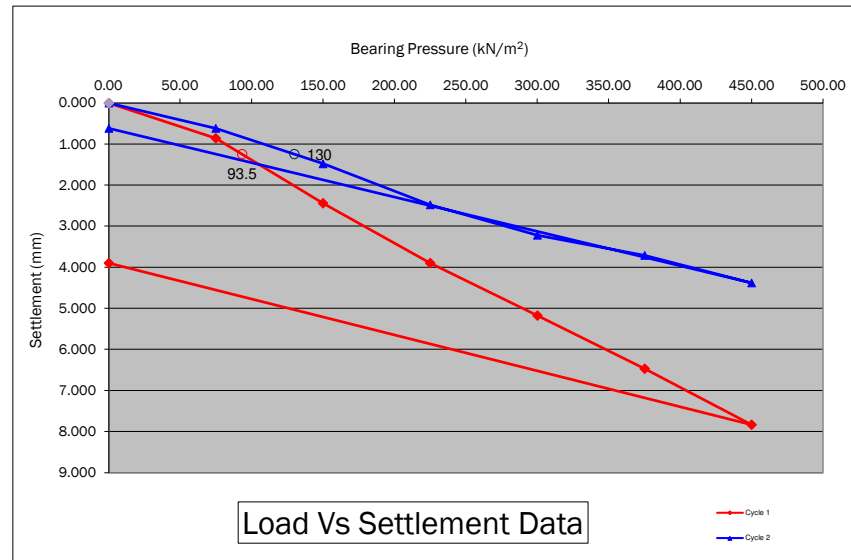
C1583/31B

Report Date:

01/10/2025

TEST REPORT

Cycle 1		Cycle 2	
<i>Bearing Pressure</i>	<i>Settlement</i>	<i>Bearing Pressure</i>	<i>Settlement</i>
<i>kN/m²</i>	<i>mm</i>	<i>kN/m²</i>	<i>mm</i>
75.0	0.86	75.0	0.62
150.0	2.44	150.0	1.48
225.0	3.90	225.0	2.48
300.1	5.18	300.1	3.22
375.3	6.47	375.3	3.71
450.1	7.83	450.1	4.38
0.0	3.90	0.0	0.62
Recovery %	50		86



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.1	kN/m ²			
Maximum Settlement	4.38	mm	Cycle 1	11.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	93.5	kN/m ²	Cycle 2	20.7	
Modulus of Subgrade Reaction K762	60.2	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

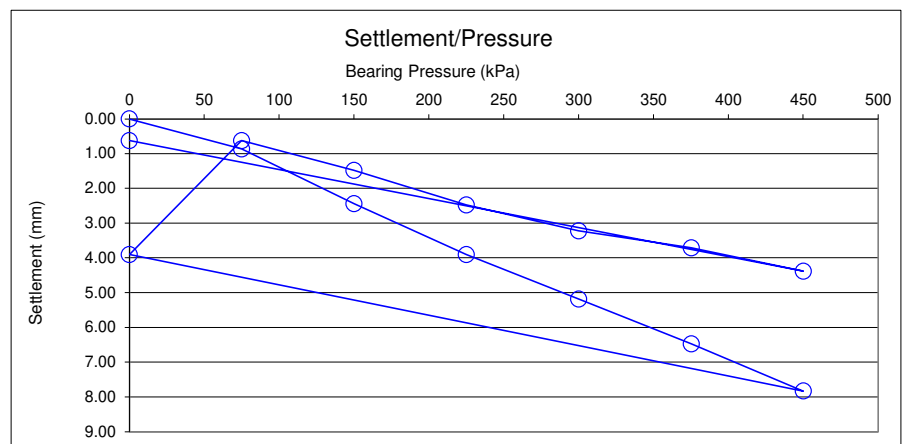
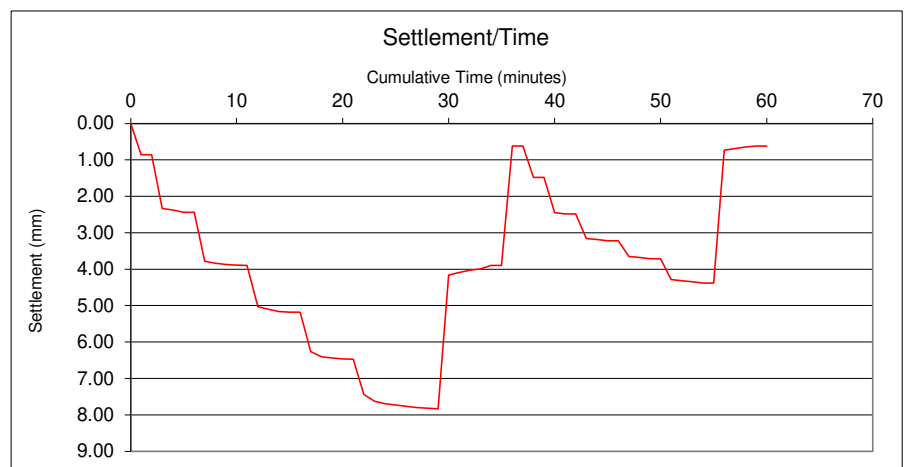
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/31B	REPORT NO: ETS/22937B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/31B	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB10 Layer 5 (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	0.86
6.0	150.0	2.44
11.0	225.0	3.90
16.0	300.1	5.18
21.0	375.3	6.47
29.0	450.1	7.83
35.0	0.0	3.90
37.0	75.0	0.62
39.0	150.0	1.48
42.0	225.0	2.48
46.0	300.1	3.22
50.0	375.3	3.71
55.0	450.1	4.38
60.0	0.0	0.62



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.375	0.450
Strain Modulus - Ev ₁ Value (MN/m ²)		23.6
Strain Modulus - Ev ₂ Value (MN/m ²)		73.30
Ev ₂ /Ev ₁	3.11	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	450.1 kPa
Reaction Load	20T Roller	Maximum Settlement	7.83 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

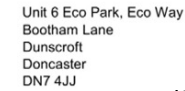
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/31C

C1583/31C

REPORT NO:

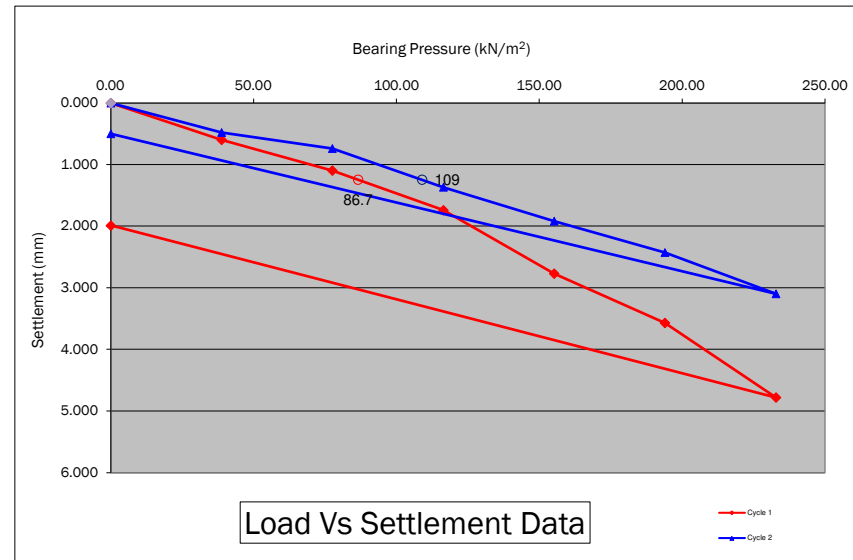
ETS/22937C

Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	ABB Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

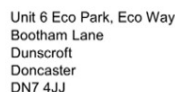
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Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	3.1	mm	Cycle 1	10.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	86.7	kN/m ²	Cycle 2	15.3	
Modulus of Subgrade Reaction K762	55.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/31C

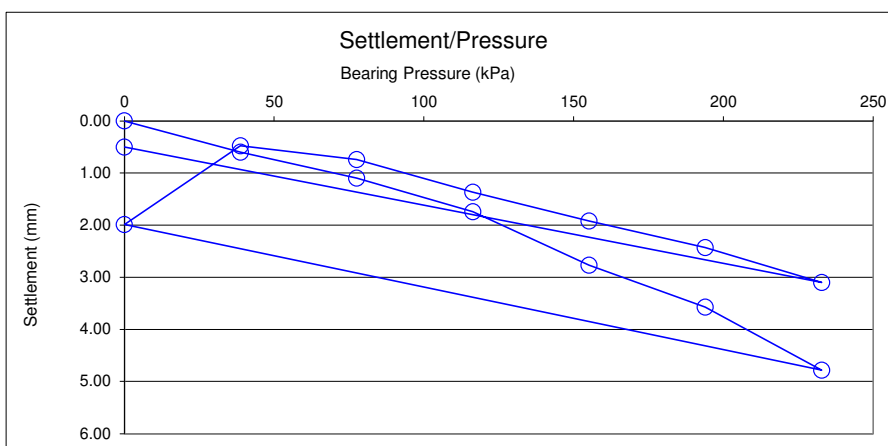
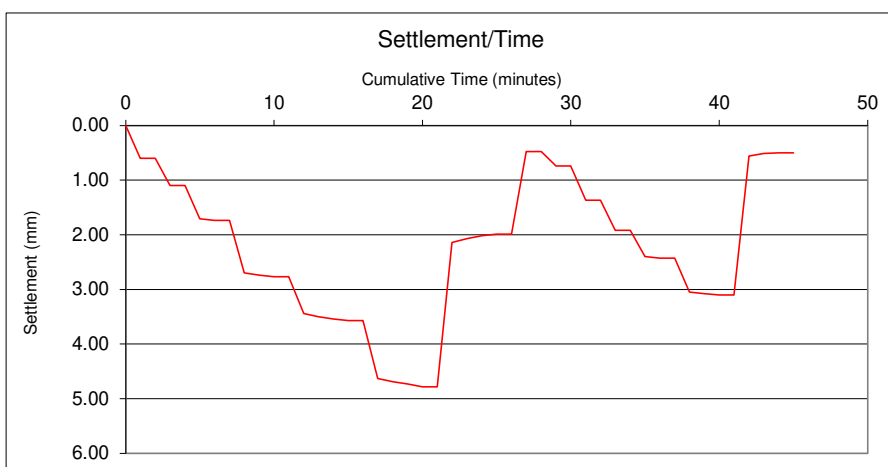
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/31C

REPORT NO: ETS/22937C

Report Date: 01/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB8 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		23.0
Strain Modulus - Ev ₂ Value (MN/m ²)		49.66
Ev ₂ /Ev ₁	2.16	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	4.78 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

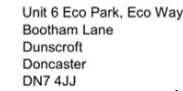
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/31D

REPORT NO:

ETS/22937D

Clients Reference:

C1583/31D

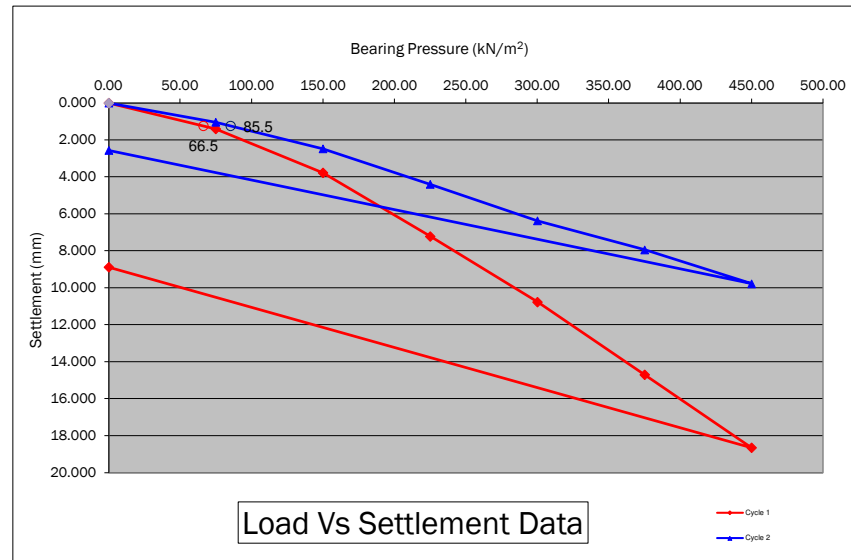
Report Date:

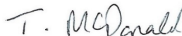
01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	ABB Layer 5 (0.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
75.0	1.41	75.0	1.05
150.0	3.78	150.0	2.48
225.0	7.22	225.0	4.41
300.1	10.77	300.1	6.38
375.3	14.71	375.3	7.95
450.1	18.65	450.1	9.78
0.0	8.89	0.0	2.57
Recovery %	52		74

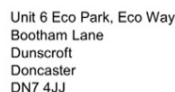


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.1	kN/m²			
Maximum Settlement	9.78	mm	Cycle 1	6.5	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	66.5	kN/m²	Cycle 2	10.0	
Modulus of Subgrade Reaction K762	42.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/31D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/31D

REPORT NO: ETS/22937D

Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB8 Layer 5 (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	1.41
6.0	150.0	3.78
11.0	225.0	7.22
17.0	300.1	10.77
23.0	375.3	14.71
30.0	450.1	18.65
36.0	0.0	8.89
38.0	75.0	1.05
40.0	150.0	2.48
43.0	225.0	4.41
47.0	300.1	6.38
52.0	375.3	7.95
58.0	450.1	9.78
63.0	0.0	2.57

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.375	0.450
Strain Modulus - Ev ₁ Value (MN/m ²)		10.6
Strain Modulus - Ev ₂ Value (MN/m ²)		32.94
Ev ₂ /Ev ₁	3.09	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

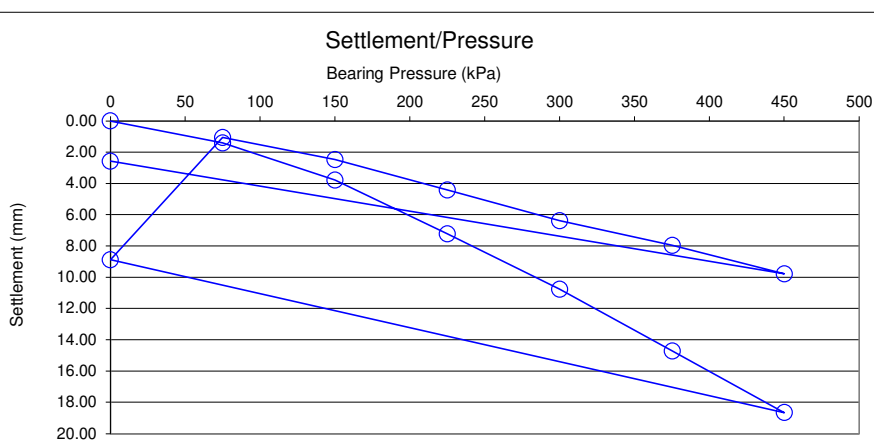
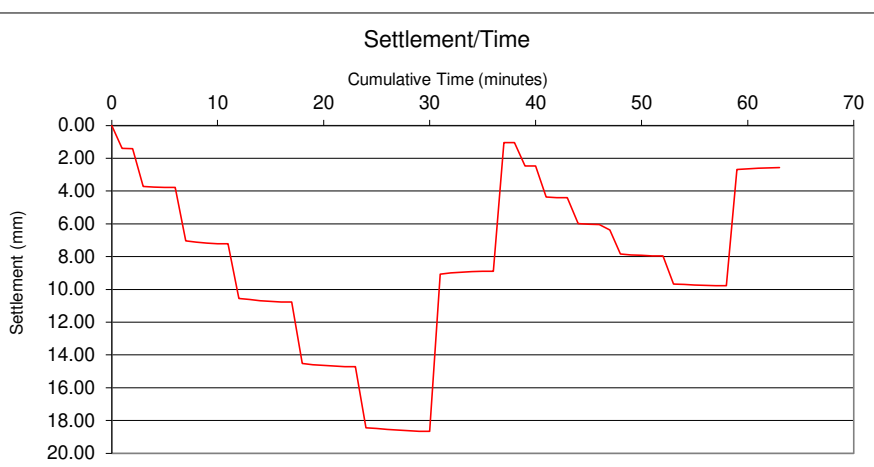


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	450.1 kPa
Maximum Settlement	18.65 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

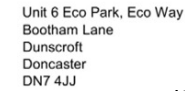
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/31E

C1583/31E

REPORT NO:

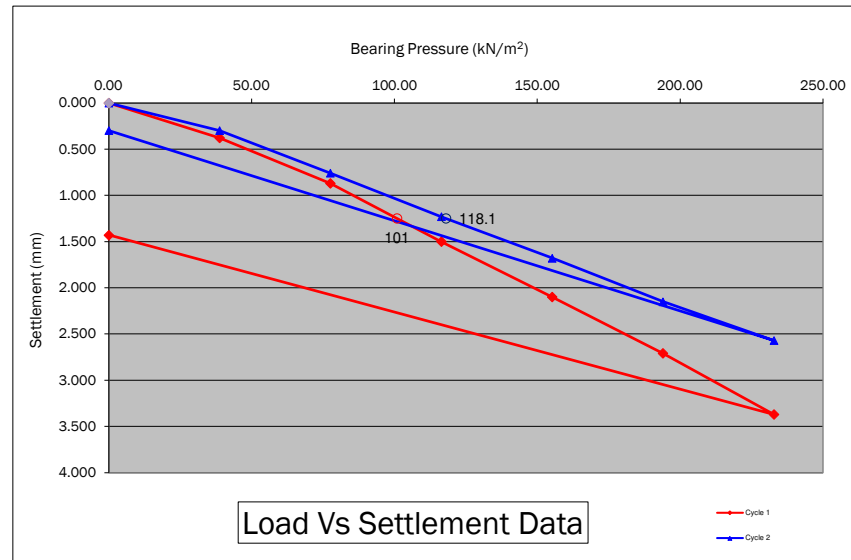
ETS/22937E

Report Date:

01/10/2025

TEST REPORT

Cycle 1		Cycle 2	
<i>Bearing Pressure</i>	<i>Settlement</i>	<i>Bearing Pressure</i>	<i>Settlement</i>
kN/m ²	mm	kN/m ²	mm
38.8	0.38	38.8	0.30
77.6	0.87	77.6	0.76
116.4	1.50	116.4	1.23
155.2	2.10	155.2	1.68
194.0	2.71	194.0	2.15
232.8	3.37	232.8	2.57
0.0	1.43	0.0	0.30
Recovery %	58		88



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.57	mm	Cycle 1	13.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	101.0	kN/m ²	Cycle 2	17.5	
Modulus of Subgrade Reaction K762	65.0	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



ETL
EARTHWORKS TESTING LTD

Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ



Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/31E

Clients Reference: C1583/31E

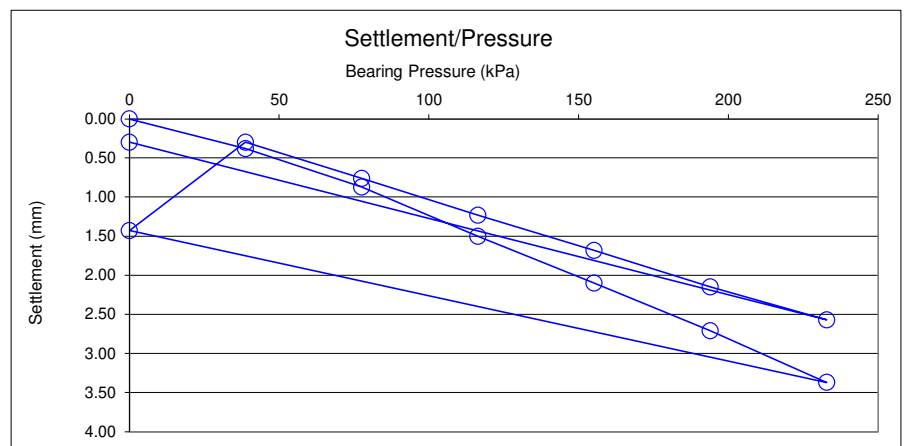
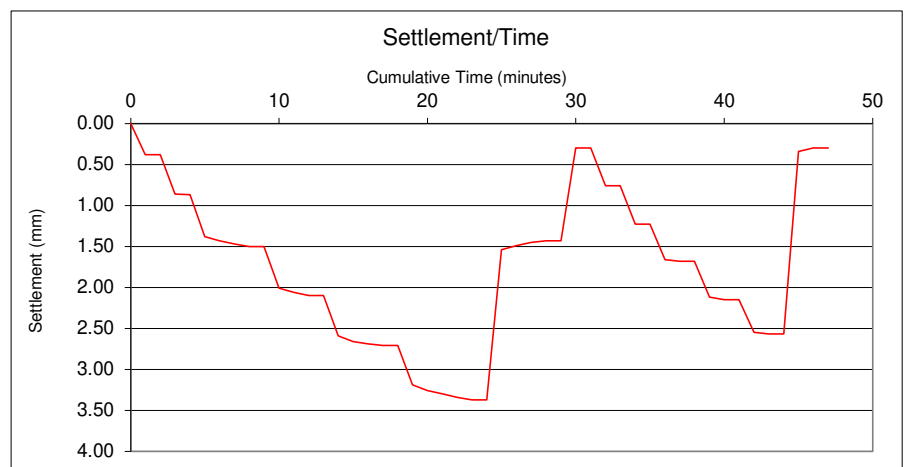
REPORT NO: ETS/22937E

Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB6 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.38
4.0	77.6	0.87
9.0	116.4	1.50
13.0	155.2	2.10
18.0	194.0	2.71
24.0	232.8	3.37
29.0	0.0	1.43
31.0	38.8	0.30
33.0	77.6	0.76
35.0	116.4	1.23
38.0	155.2	1.68
41.0	194.0	2.15
44.0	232.8	2.57
47.0	0.0	0.30



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)	30.0	
Strain Modulus - Ev ₂ Value (MN/m ²)	51.96	
Ev ₂ /Ev ₁	1.73	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.37 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

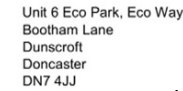
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/31F

REPORT NO:

ETS/22937F

Clients Reference:

C1583/31F

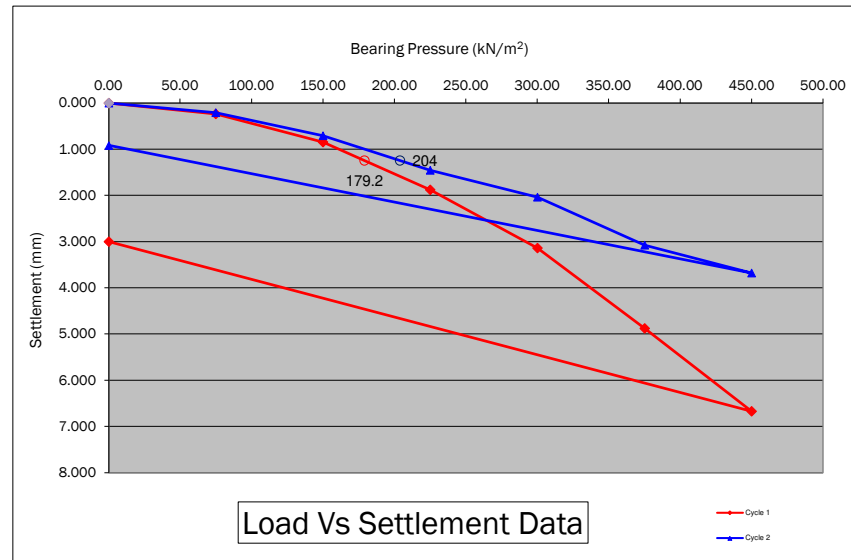
Report Date:

01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB6 Layer 5 (0.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
75.0	0.24	75.0	0.21
150.0	0.85	150.0	0.71
225.0	1.88	225.0	1.46
300.1	3.14	300.1	2.04
375.3	4.88	375.3	3.08
450.1	6.67	450.1	3.68
0.0	3.00	0.0	0.92
Recovery %	55		75



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.1	kN/m ²			
Maximum Settlement	3.68	mm	Cycle 1	36.1	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	179.2	kN/m ²	Cycle 2	45.2	
Modulus of Subgrade Reaction K762	115.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

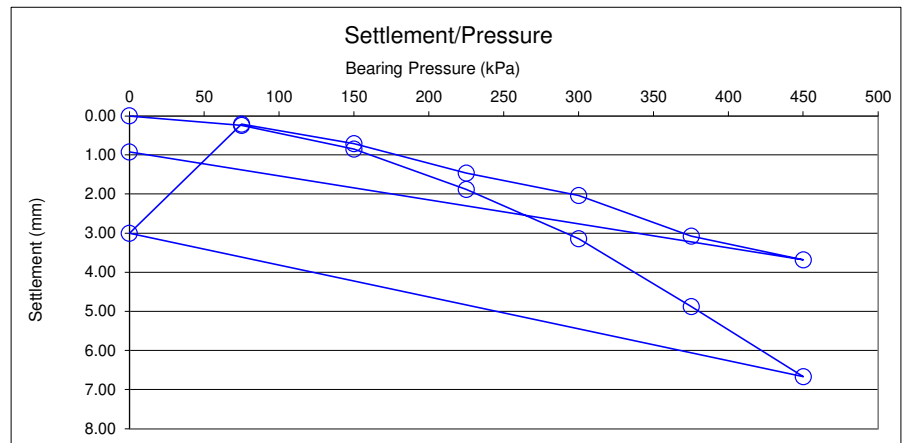
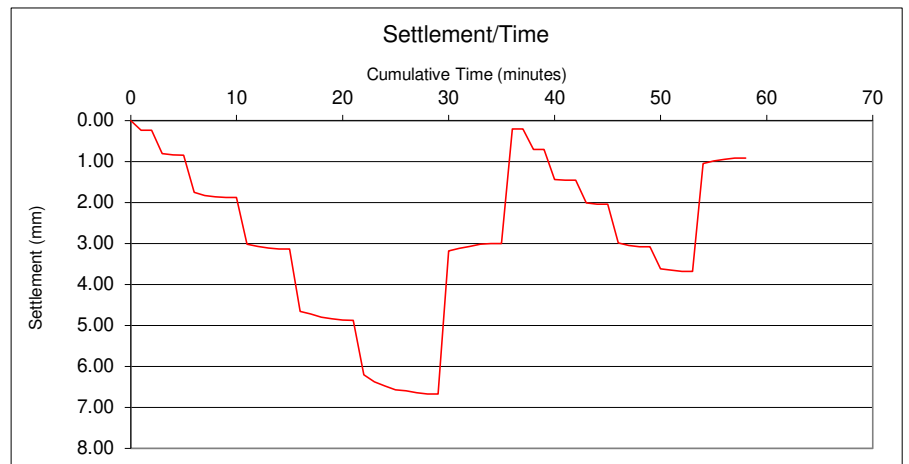
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/31F	REPORT NO: ETS/22937F
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/31F	Report Date: 01/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	26/09/2025
Test Location:	AB6 Layer 5 (0.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.0	0.24
5.0	150.0	0.85
10.0	225.0	1.88
15.0	300.1	3.14
21.0	375.3	4.88
29.0	450.1	6.67
35.0	0.0	3.00
37.0	75.0	0.21
39.0	150.0	0.71
42.0	225.0	1.46
45.0	300.1	2.04
49.0	375.3	3.08
53.0	450.1	3.68
58.0	0.0	0.92



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.375	0.450
Strain Modulus - Ev ₂ Value (MN/m ²)		35.0
Strain Modulus - Ev ₂ Value (MN/m ²)		77.05
Ev ₂ /Ev ₁	2.20	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	450.1 kPa
Reaction Load	20T Roller	Maximum Settlement	6.67 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Unit 6 Eco Park, Eco Way
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Doncaster
DN7 4JJ



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/34A

Clients Reference:

C1583/34A

REPORT NO:

ETS/22940A

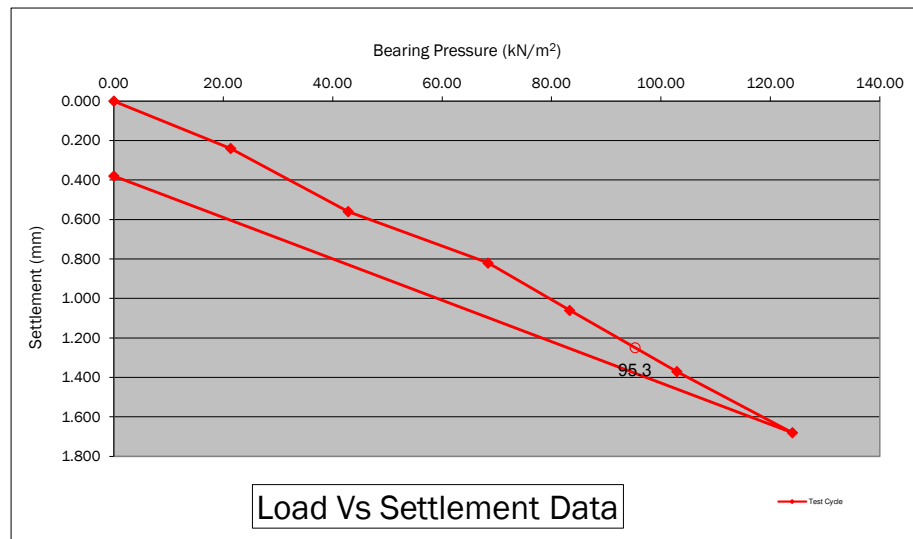
Report Date:

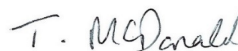
01/10/2025

TEST REPORT

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	W16 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
Bearing Pressure (See Notes below)	Settlement
kN/m^2	mm
21.36	0.24
42.83	0.56
68.37	0.82
83.29	1.06
102.92	1.37
124.00	1.68
0.00	0.38
Recovery %	77



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 12.1		
Maximum Applied Pressure	124.0	kN/m²			
Maximum Settlement	1.68	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	95.3	kN/m²			
Modulus of Subgrade Reaction K762	61.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Tel: 0345 2162900

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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/34B
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Clients Reference:

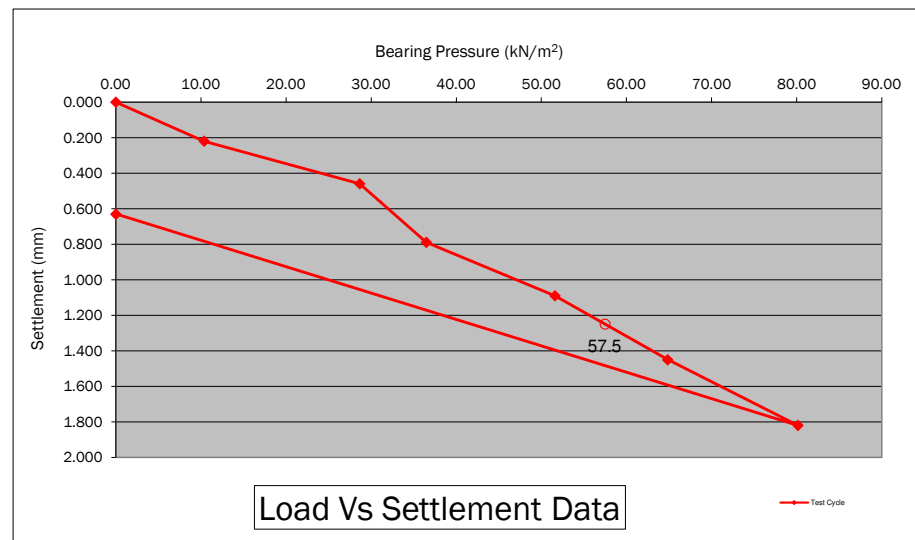
C1583/34B

REPORT NO:	ETS/22940B
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Report Date:	01/10/2025
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TEST REPORT

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	U16 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 5.0		
Maximum Applied Pressure	80.1	kN/m²			
Maximum Settlement	1.82	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	57.5	kN/m²			
Modulus of Subgrade Reaction K762	37.0	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/34C
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REPORT NO:	ETS/22940C
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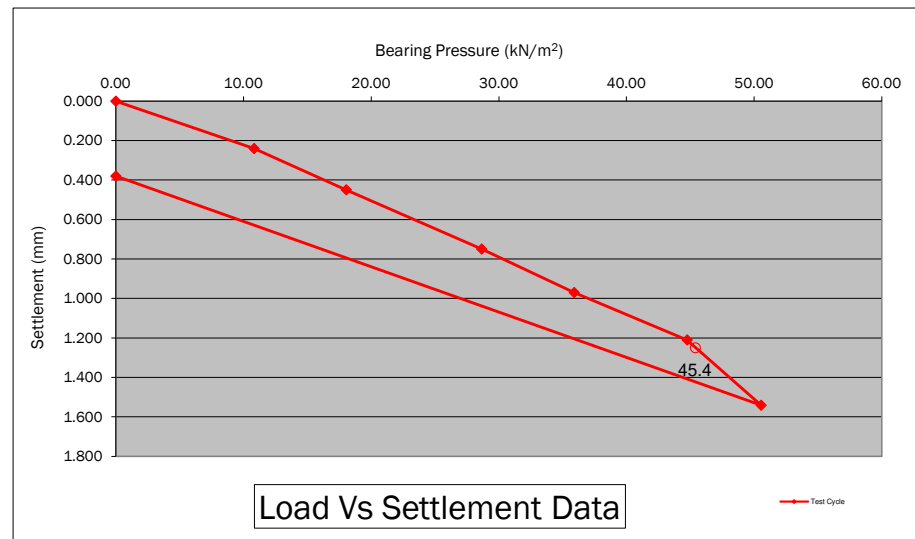
Clients Reference:

C1583/34C

Report Date:	01/10/2025
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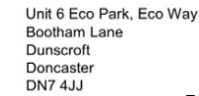
TEST REPORT

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	X4 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 		

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

	C1583/34D
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REPORT NO:

ETS/22940D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference:

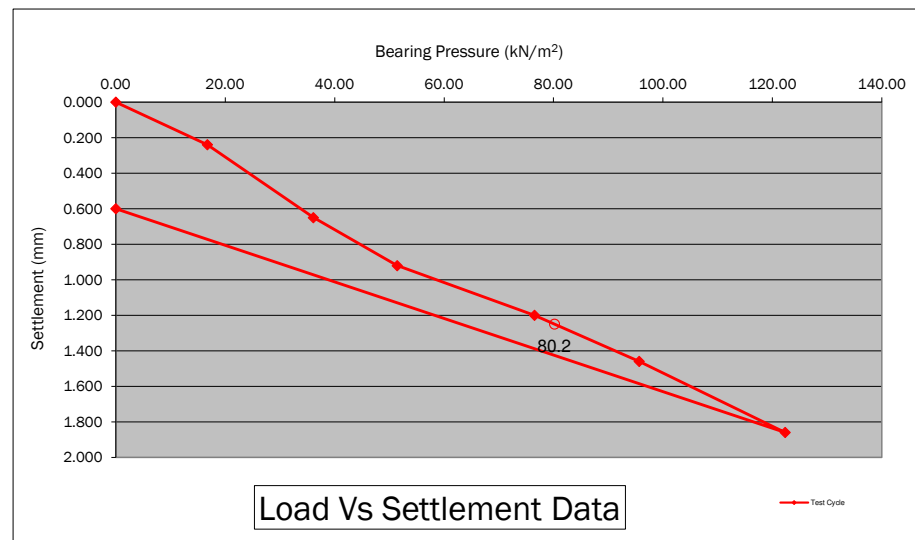
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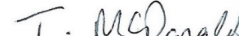
Report Date:

01/10/2025

TEST REPORT

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	W8 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	122.3	kN/m²			
Maximum Settlement	1.86	mm	9.0		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	80.2	kN/m²			
Modulus of Subgrade Reaction K762	51.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/34E

Clients Reference:

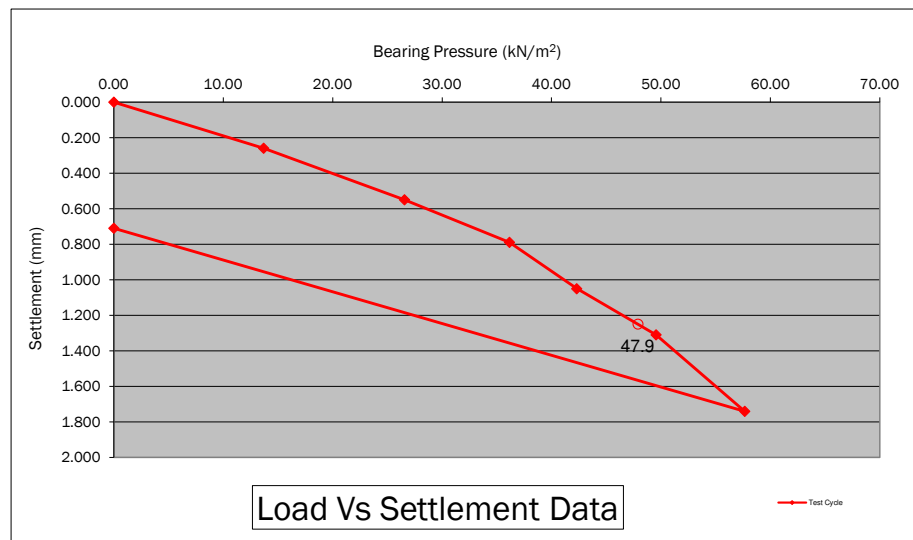
C1583/34E

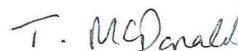
REPORT NO:	ETS/22940E
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Report Date:	01/10/2025
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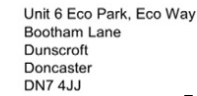
TEST REPORT

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	W6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 		

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

	C1583/34F
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REPORT NO:	
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ETS/22940F

Clients Reference:

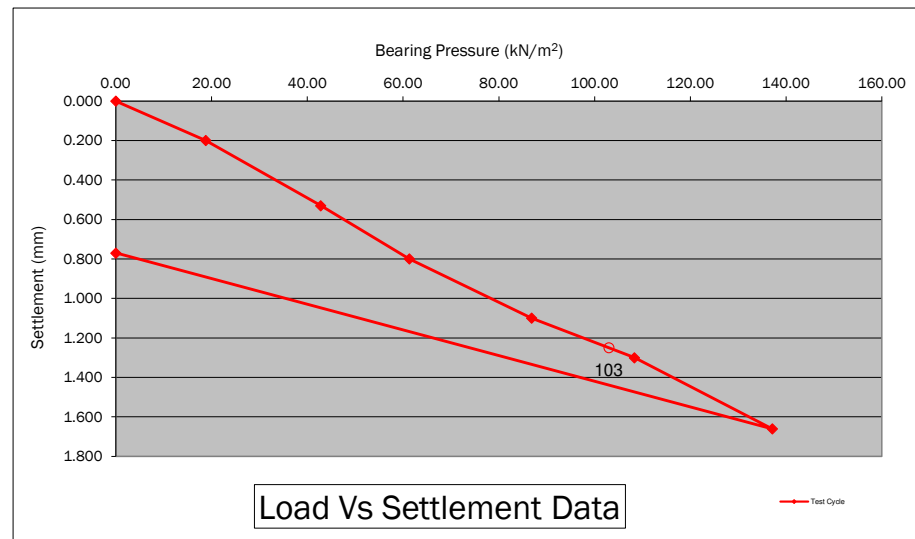
C1583/34F

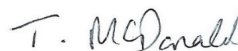
Report Date:

01/10/2025

Material Description:	Topsoil (Class 4)	Date Tested:	26/09/2025
Test Location:	V12 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
18.78	0.20
42.79	0.53
61.33	0.80
86.83	1.10
108.33	1.30
137.12	1.66
0.00	0.77
Recovery %	54



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 13.8		
Maximum Applied Pressure	137.1	kN/m²			
Maximum Settlement	1.66	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	103.0	kN/m²			
Modulus of Subgrade Reaction K762	66.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

Clients Reference:

C1583/45

C1583/45

REPORT NO:

ETS/23016

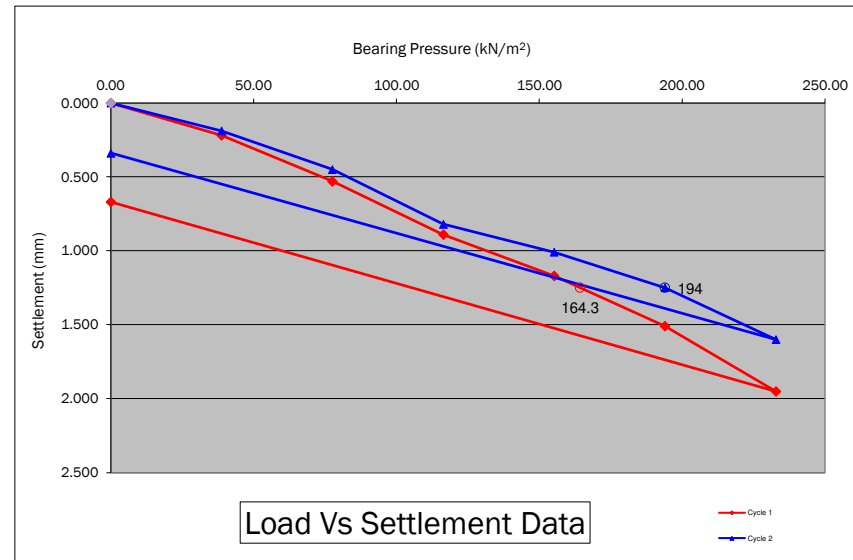
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	AB5 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.22	38.8	0.19
77.6	0.53	77.6	0.45
116.4	0.89	116.4	0.82
155.2	1.17	155.2	1.01
194.0	1.51	194.0	1.25
232.8	1.95	232.8	1.60
0.0	0.67	0.0	0.34
Recovery %	66		79



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.6	mm	Cycle 1	31.1	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	164.3	kN/m²	Cycle 2	41.4	
Modulus of Subgrade Reaction K762	105.7	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

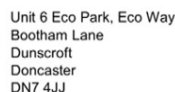
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/45

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/45

REPORT NO: ETS/23016

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	AB5 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		53.5
Strain Modulus - Ev ₂ Value (MN/m ²)		81.61
Ev ₂ /Ev ₁	1.53	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

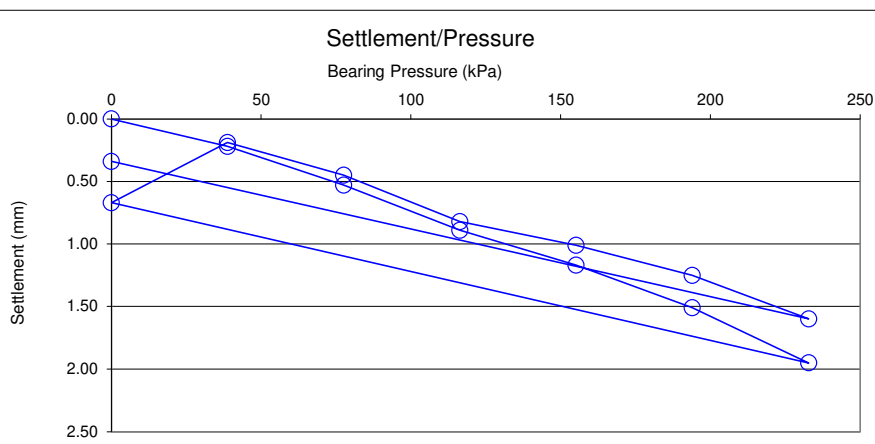
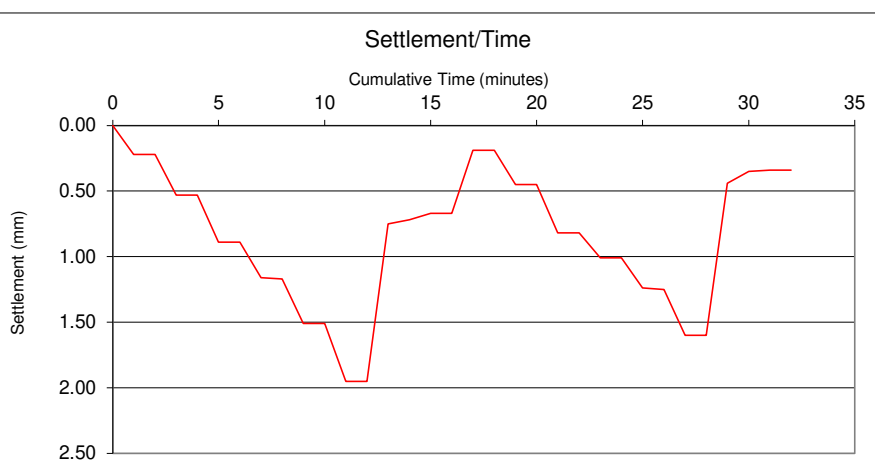


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	1.95 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

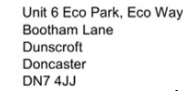
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Contract Test Reference:

C1583/49

C1583/49

REPORT NO:

ETS/23020

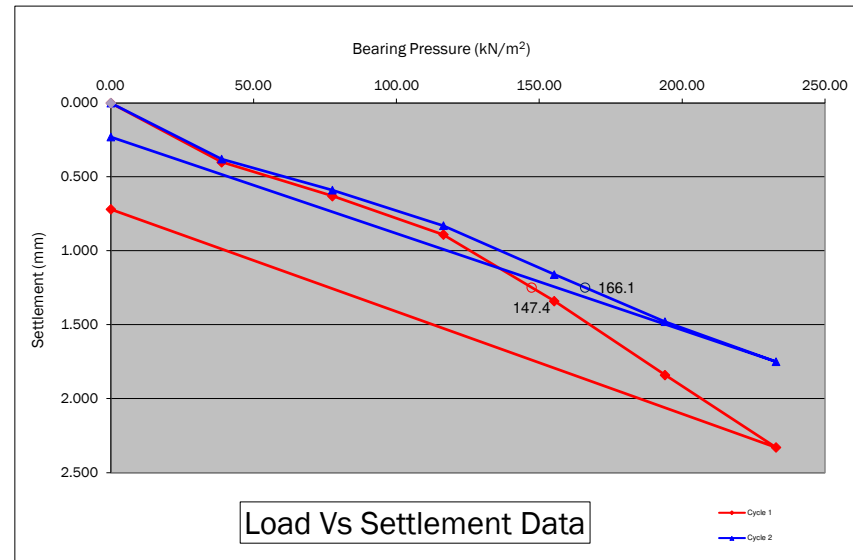
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 6 Passes (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.40	38.8	0.38
77.6	0.63	77.6	0.59
116.4	0.89	116.4	0.83
155.2	1.34	155.2	1.16
194.0	1.84	194.0	1.48
232.8	2.33	232.8	1.75
0.0	0.72	0.0	0.23
Recovery %	69		87

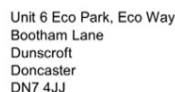


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.75	mm	Cycle 1 25.7		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	147.4	kN/m²	Cycle 2 31.7		
Modulus of Subgrade Reaction K762	94.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/49

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/49

REPORT NO: ETS/23020

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 6 Passes (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.40
4.0	77.6	0.63
6.0	116.4	0.89
10.0	155.2	1.34
14.0	194.0	1.84
18.0	232.8	2.33
22.0	0.0	0.72
24.0	38.8	0.38
26.0	77.6	0.59
28.0	116.4	0.83
30.0	155.2	1.16
33.0	194.0	1.48
36.0	232.8	1.75
39.0	0.0	0.23

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		49.7
Strain Modulus - Ev ₂ Value (MN/m ²)		76.93
Ev ₂ /Ev ₁	1.55	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

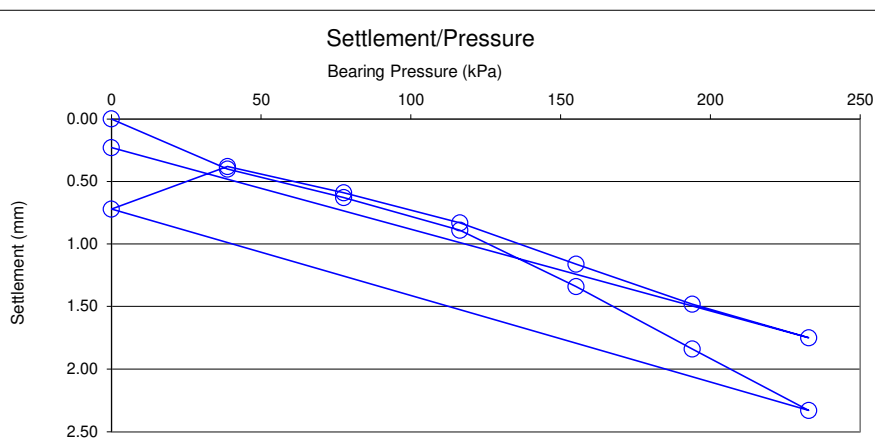
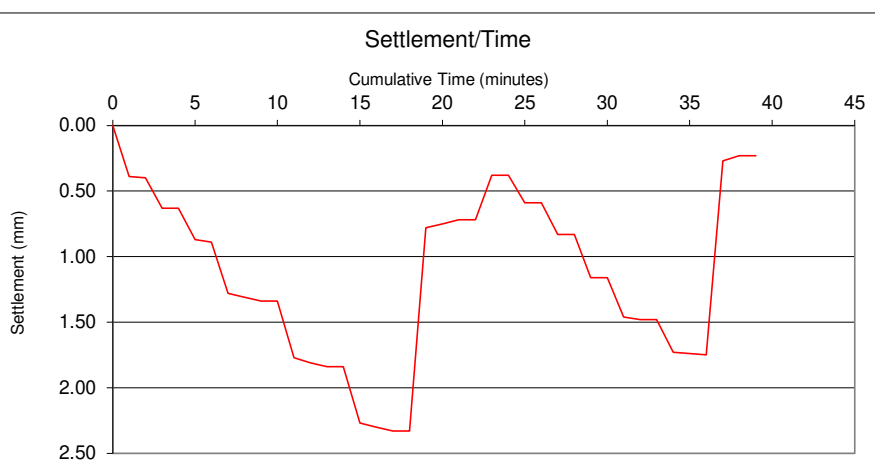


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	2.33 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

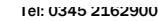
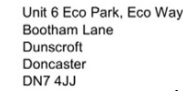
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/50

C1583/50

REPORT NO:

ETS/23021

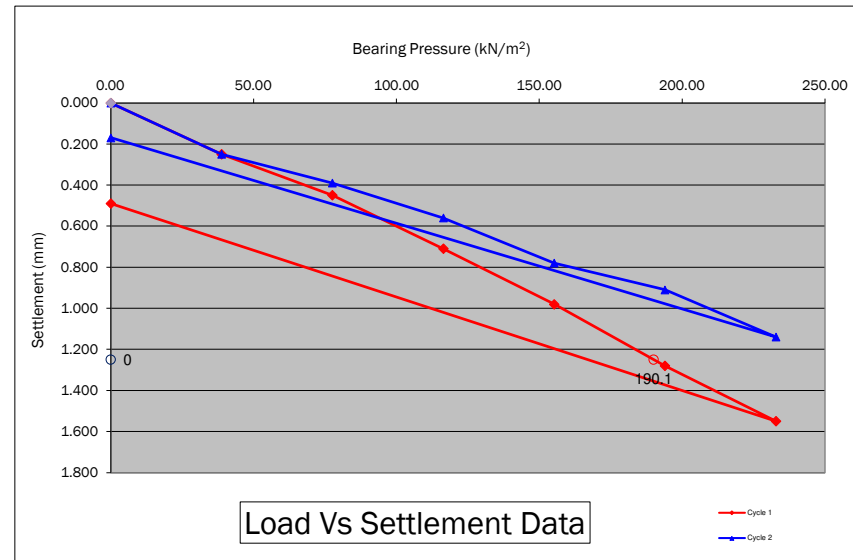
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 8 Passes (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.25	38.8	0.25
77.6	0.45	77.6	0.39
116.4	0.71	116.4	0.56
155.2	0.98	155.2	0.78
194.0	1.28	194.0	0.91
232.8	1.55	232.8	1.14
0.0	0.49	0.0	0.17
Recovery %	68		85

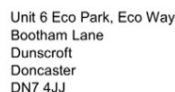


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.14	mm	Cycle 1	40.0	
Cycle 1 Values			Cycle 2	>56.8	
Bearing Pressure @ 1.25mm Settlement	190.1	kN/m ²			
Modulus of Subgrade Reaction K762	122.3	kN/m ² /mm			
Notes:			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		
	Initial load applied by test equipment calculated to be less than 0.8 kN				

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/50

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/50

REPORT NO: ETS/23021

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 8 Passes (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.25
4.0	77.6	0.45
7.0	116.4	0.71
10.0	155.2	0.98
13.0	194.0	1.28
16.0	232.8	1.55
21.0	0.0	0.49
23.0	38.8	0.25
25.0	77.6	0.39
27.0	116.4	0.56
29.0	155.2	0.78
31.0	194.0	0.91
33.0	232.8	1.14
37.0	0.0	0.17

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		68.9
Strain Modulus - Ev ₂ Value (MN/m ²)		123.51
Ev2/Ev1	1.79	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

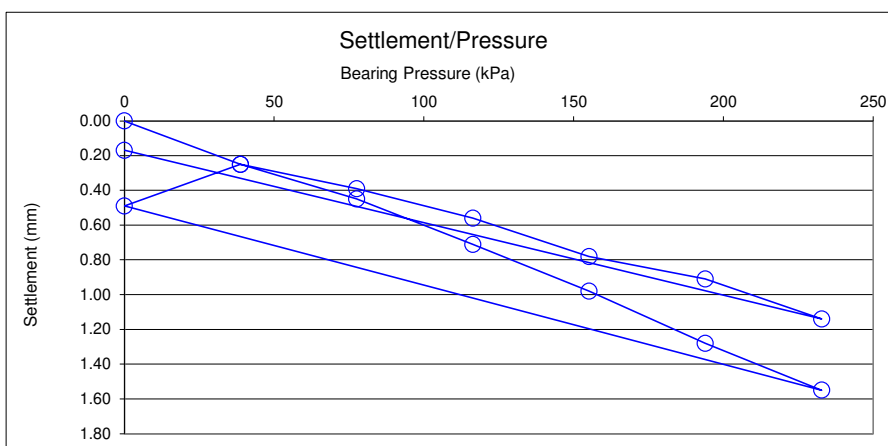
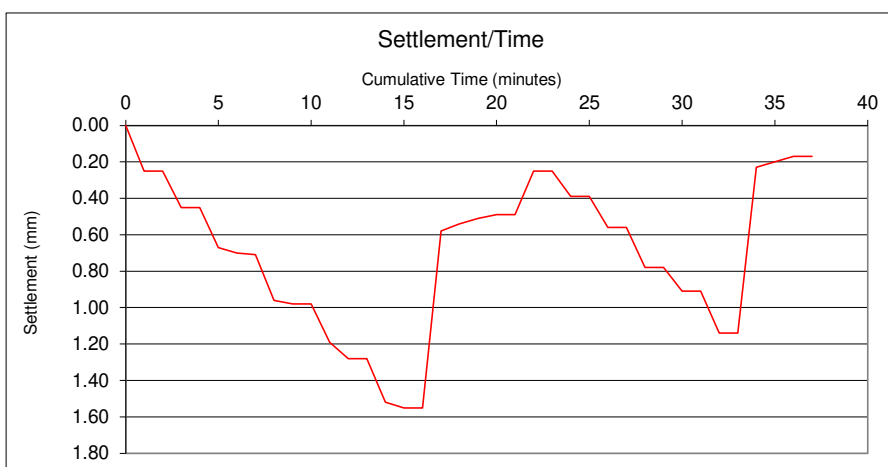


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	1.55 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

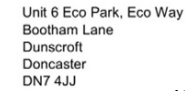
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/51

REPORT NO:

ETS/23022

Clients Reference:

C1583/51

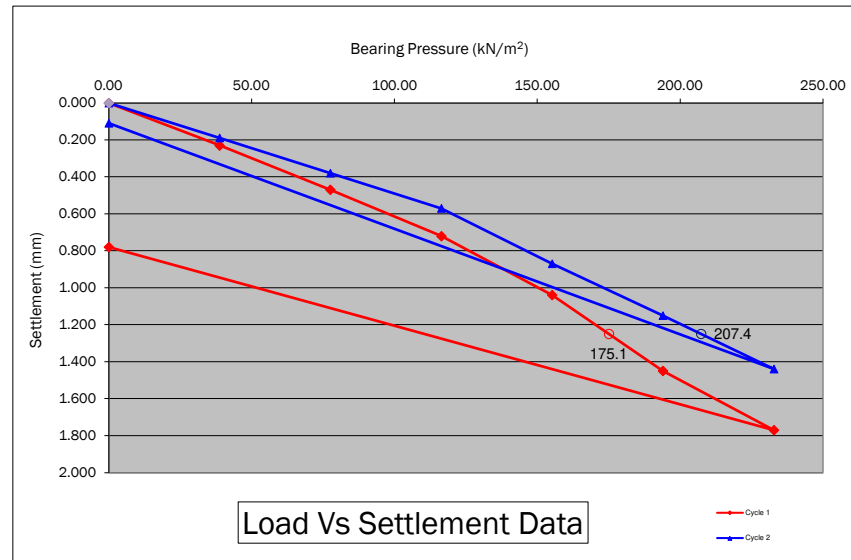
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 10 Passes	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.23	38.8	0.19
77.6	0.47	77.6	0.38
116.4	0.72	116.4	0.57
155.2	1.04	155.2	0.87
194.0	1.45	194.0	1.15
232.8	1.77	232.8	1.44
0.0	0.78	0.0	0.11
Recovery %	56		92



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.44	mm	Cycle 1	34.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	175.1	kN/m ²	Cycle 2	46.5	
Modulus of Subgrade Reaction K762	112.7	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

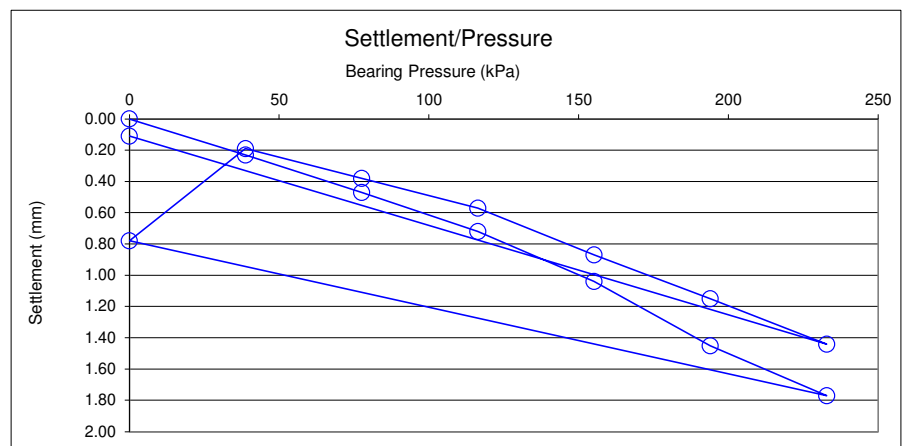
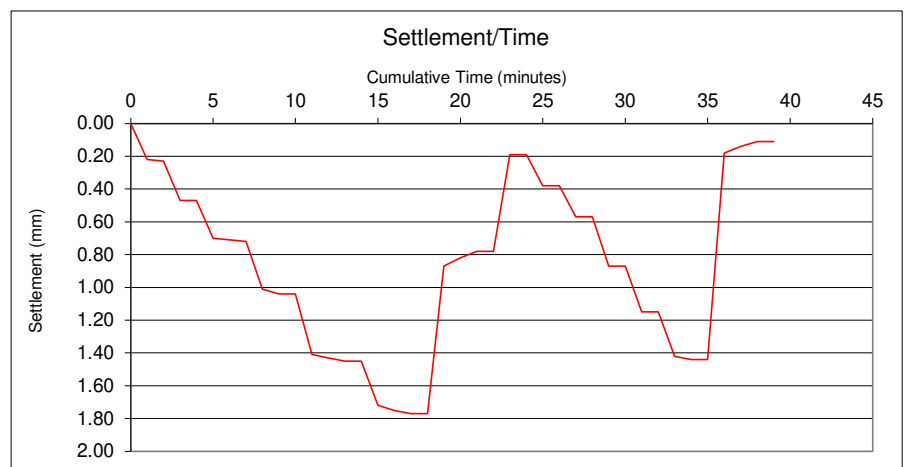
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/51	REPORT NO: ETS/23022
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/51	Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 10 Passes	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.23
4.0	77.6	0.47
7.0	116.4	0.72
10.0	155.2	1.04
14.0	194.0	1.45
18.0	232.8	1.77
22.0	0.0	0.78
24.0	38.8	0.19
26.0	77.6	0.38
28.0	116.4	0.57
30.0	155.2	0.87
32.0	194.0	1.15
35.0	232.8	1.44
39.0	0.0	0.11



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		59.1
Strain Modulus - Ev ₂ Value (MN/m ²)		98.43
Ev ₂ /Ev ₁	1.67	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	1.77 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

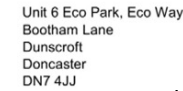
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/52

REPORT NO:

ETS/23023

Clients Reference:

C1583/52

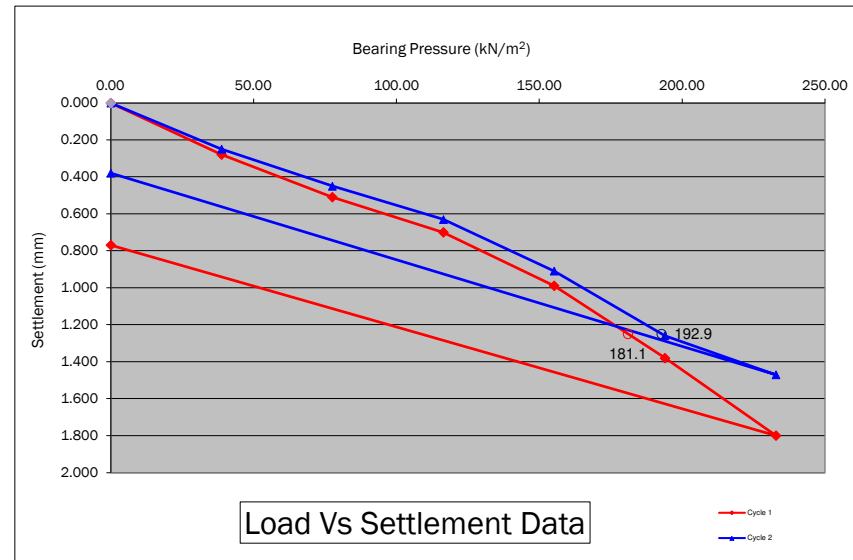
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 12 Passes (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.28	38.8	0.25
77.6	0.51	77.6	0.45
116.4	0.70	116.4	0.63
155.2	0.99	155.2	0.91
194.0	1.38	194.0	1.26
232.8	1.80	232.8	1.47
0.0	0.77	0.0	0.38
Recovery %	57		74



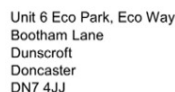
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.47	mm	Cycle 1 36.8		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	181.1	kN/m²	Cycle 2 41.0		
Modulus of Subgrade Reaction K762	116.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/52

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

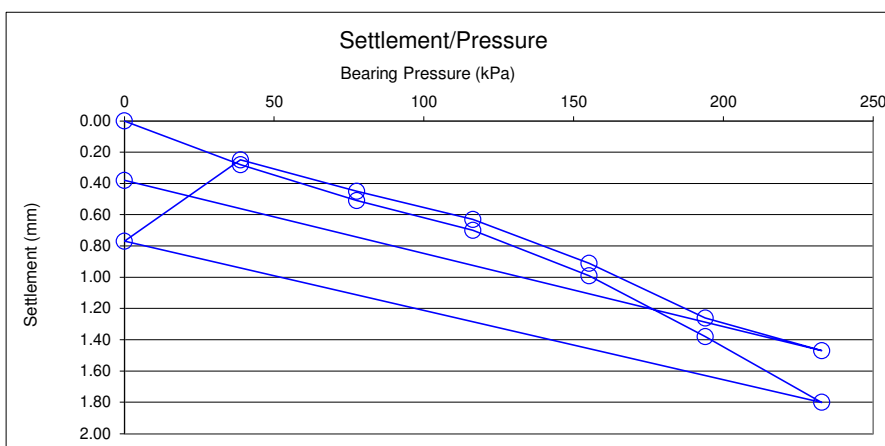
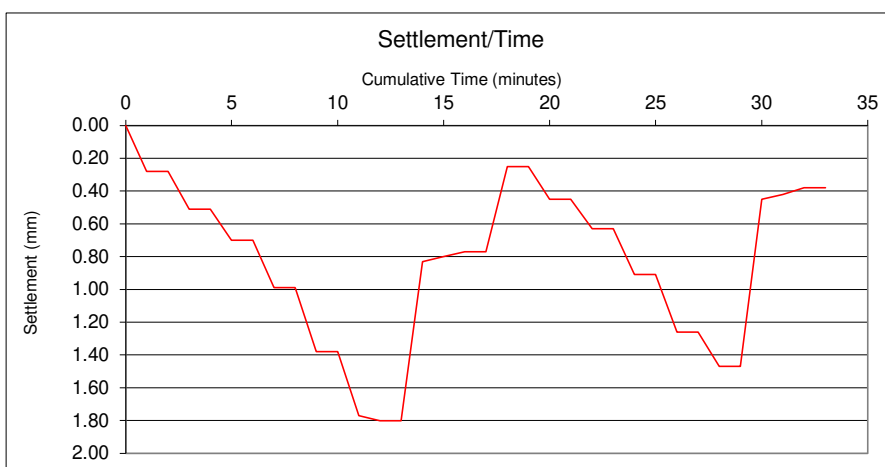
Clients Reference: C1583/52

REPORT NO: ETS/23023

Report Date: 07/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/09/2025
Test Location:	Trial Embankment Y9 12 Passes (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.28
4.0	77.6	0.51
6.0	116.4	0.70
8.0	155.2	0.99
10.0	194.0	1.38
13.0	232.8	1.80
17.0	0.0	0.77
19.0	38.8	0.25
21.0	77.6	0.45
23.0	116.4	0.63
25.0	155.2	0.91
27.0	194.0	1.26
29.0	232.8	1.47
33.0	0.0	0.38



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		65.8
Strain Modulus - Ev ₂ Value (MN/m ²)		93.95
Ev ₂ /Ev ₁	1.43	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	1.8 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Laboratory Report	ETS/23024	Contract Sample No	C1583/53
Report Date	25 November 2025	ETS Contract No	C1583/53
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	See Below	
	Source	Ex-Site	
	Supplier	Ex-Site	
	Date Sampled	30/09/2025	
	Date Received	30/09/2025	
	Date Completed	21/11/2025	
	Sample Location	See Below	
	Client Reference	C1583/53	
Dove Valley Park			



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Tel: 0345 2162900
Email: ops@earthworkstesting.co.uk

Testing Lab: PSL

Report Number: PSL25/8005

ETS Number	Sample Number	Location	Material	Testing
ETS/23024	53	Y9 6 Passes	Brown Clay W/F-M Gravel (Class 7)	LSB CI.636, Permiability

Authorised Signatory

T. McDonald



LABORATORY REPORT



Contract Number: PSL25/8005

Report Date: 19 November 2025

Client's Reference: N5025-25

Client Name: Socotec Doncaster
Wellsyke Road
Adwick Le Street
Doncaster
DN6 7DU

For the attention of: Ryan Clark

Contract Title: Dove Valley Park

Date Received: 17/10/2025

Date Commenced: 17/10/2025

Date Completed: 19/11/2025

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins
(Managing Director)

R Berriman
(Associate Director)

S Royle
(Laboratory Manager)

L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)


D Burton
(Advanced Testing Manager)

5 – 7 Hexthorpe Road,
Hexthorpe,
Doncaster,
DN4 0AR
Tel: 01302 768098
Email: rberriman@prosoils.co.uk
awatkins@prosoils.co.uk

Page 1 of

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SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
6 Passes - Y9	C1583/53	B			Brown slightly gravelly slightly sandy CLAY.

UKAS TESTING 4043

Dove Valley Park

Contract No:
PSL25/8005
Client Ref:
N5025-25

Issue No. 1

Approved by: L Pavay

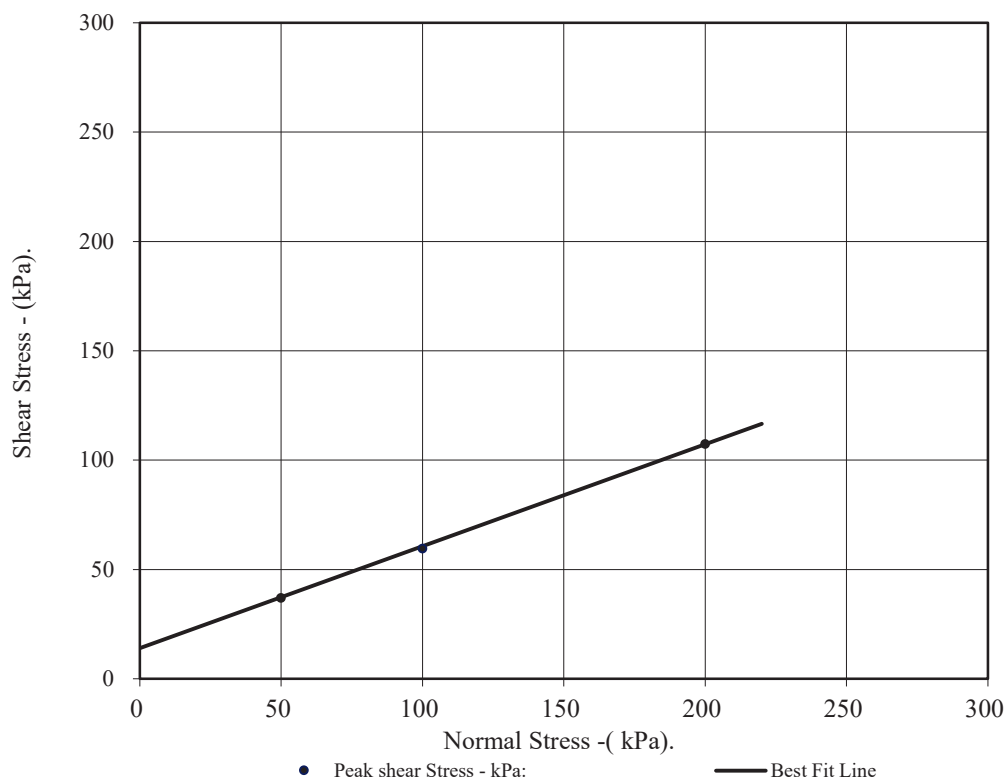
03/01/2022

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Determination of shear strength by direct shear (shearbox methods)

BS 1377 - Part 2 : 2022 : Clause 25.3 in accordance with BS EN ISO 17892 - 10 : 2018 following SHW Clause 636 Paragraph 3

Borehole Number:	6 Passes - Y9	Location:	
Sample Number:	C1583/53	Supplier:	
Sample Conditions:	Submerged	Sample Type	B
Particle Density - Mg/m ³ :	2.60	Measured	Date Sampled:
Sample Preparation:	Material tested passing 20mm sieve Recompacted at 95% MDD, OMC		
Sample Description:	See summary of soil descriptions.		
STAGE	1	2	3
Initial Conditions			
Height - mm:	150	150	150
Length - mm:	300	300	300
Water Content - %:	13.0	13.0	13.0
Bulk Density - Mg/m ³ :	1.99	1.99	1.99
Dry Density - Mg/m ³ :	1.76	1.76	1.76
Voids Ratio:	0.479	0.479	0.479
Degree of saturation:	70.5	70.5	70.5
Normal Pressure- kPa	50	100	200
Consolidation Stage			
Consolidated Height - mm:	143.23	142.53	141.28
Shearing Stage			
Rate of Strain (mm/min)	0.02	0.02	0.02
Displacement at peak shear stress (mm)	22.0	46.5	49.5
Peak shear Stress - kPa:	37	59	107
Final Consolidated Conditions			
Water Content - %:	22.5	20.2	18.7
Bulk Density - Mg/m ³ :	2.11	2.12	2.16
Dry Density - Mg/m ³ :	1.72	1.76	1.82
Peak			
Angle of Shearing Resistance:(ϕ)	25		
Effective Cohesion - kPa:	14		



Dove Valley Park

Contract No:

PSL25/8005

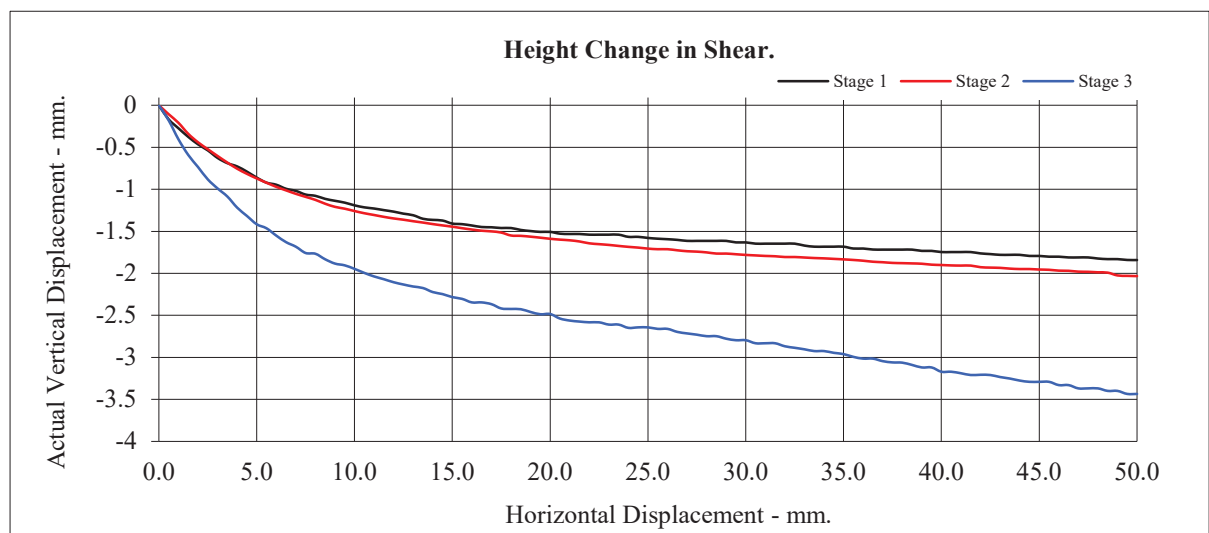
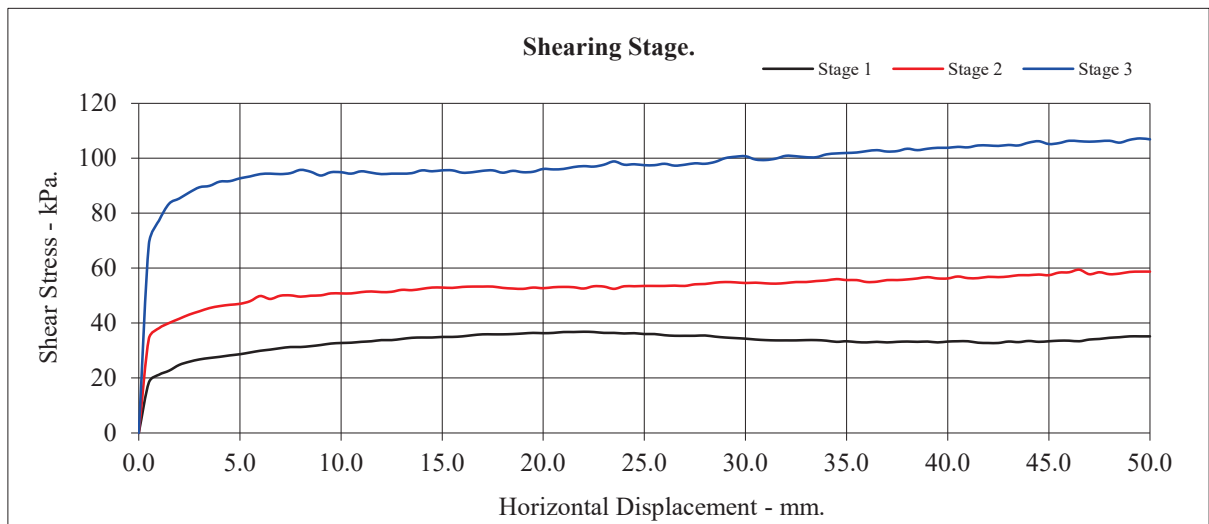
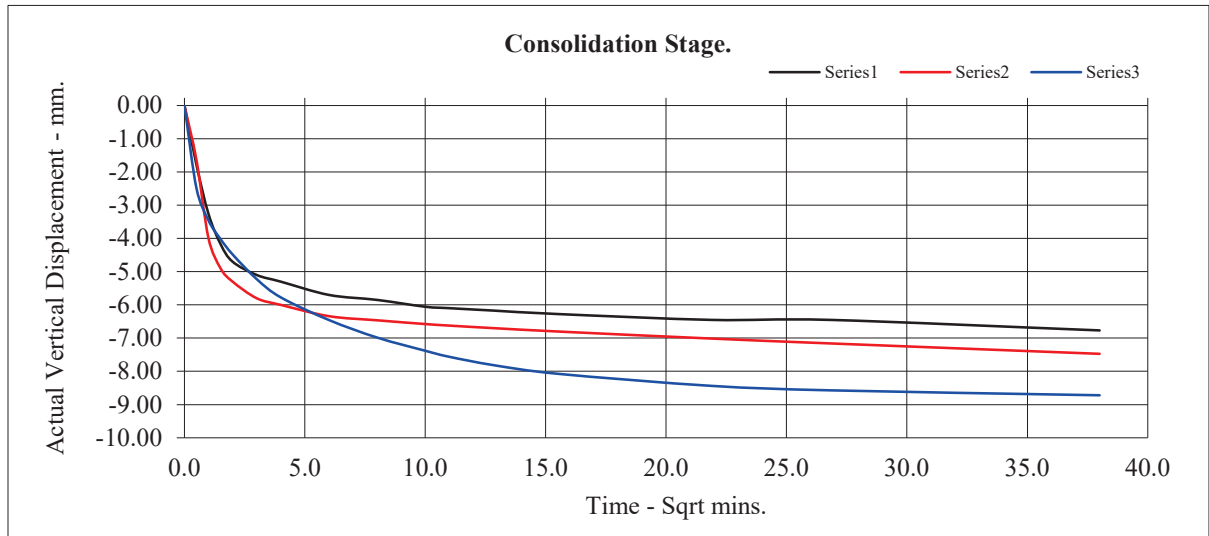
Client Ref:

N5025-25

Determination of shear strength by direct shear (shearbox methods)

BS 1377 - Part 2 : 2022 : Clause 25.3 in accordance with BS EN ISO 17892 - 10 : 2018 following SHW Clause 636 Paragraph 3

Borehole Number:	6 Passes - Y9	Location:	
Sample Number:	C1583/53	Supplier:	



Dove Valley Park

Contract No:
PSL25/8005
Client Ref:
N5025-25

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Hole Number: 6 Passes - Y9

Top Depth (m):

Sample Number: C1583/53

Base Depth (m):

Sample Type: B

Description of Specimen
See summary of soil descriptions
Remarks
Undisturbed

Initial Specimen Conditions		
Height	mm	105.21
Diameter	mm	105.28
Area	mm ²	8705.26
Volume	cm ³	915.88
Mass	g	1823
Dry Mass	g	1614
Bulk Density	Mg/m ³	1.99
Dry Density	Mg/m ³	1.76
Water Content	%	13.0
Voids Ratio	-	0.476
Specific Gravity	Mg/m ³	2.60
(assumed/measured)	-	measured

Final Specimen Conditions		
Water Content	%	14.3
Bulk Density	Mg/m ³	2.01
Dry Density	Mg/m ³	1.76

Test Setup		
Date Started		08/11/2025
Date Finished		18/11/2025
Top Drain Used		Y
Base Drain Used		Y
Method of Saturation		By back pressure
Direction Of Flow		Vertically Downwards
Saturation Time	Days	2
Consolidation Time	Days	2
Permeability Time	Days	2



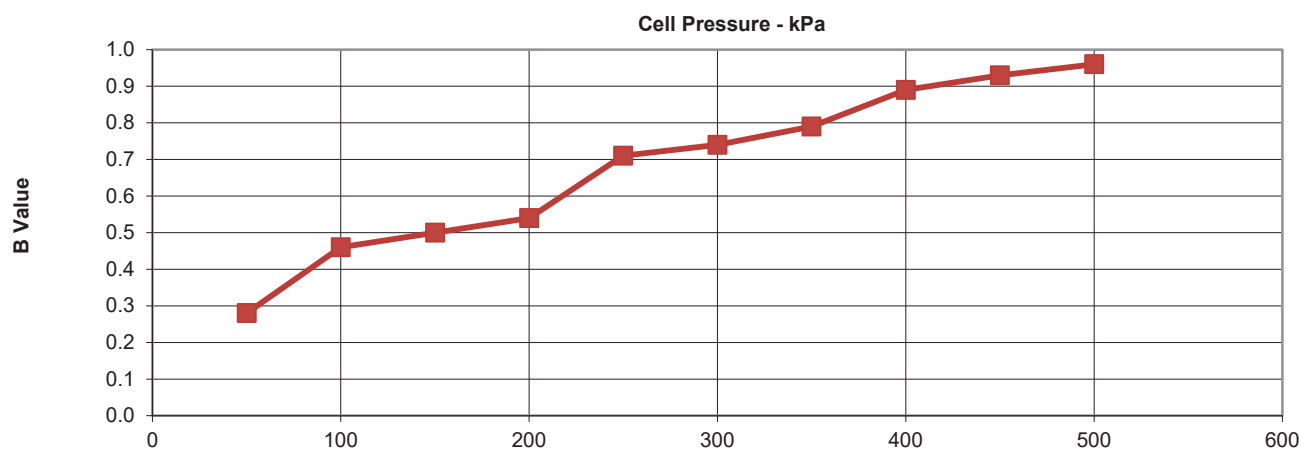
Dove Valley Park

Contract No.
PSL25/8005
Client Ref
N5025-25

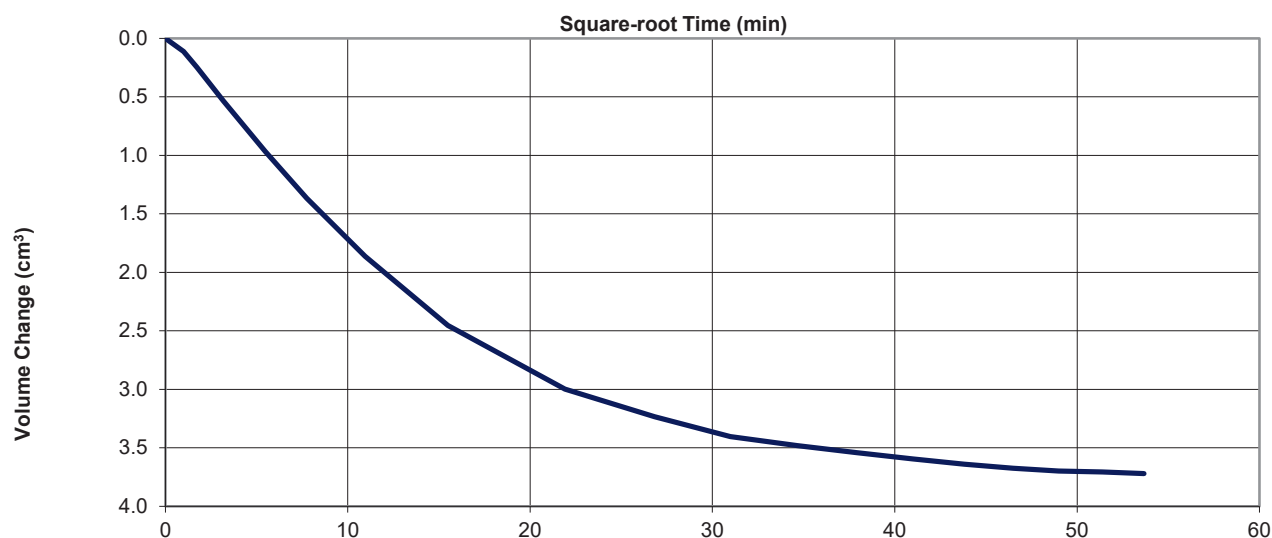
PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Hole Number:		6 Passes - Y9
Sample Number:	m	C1583/53
Sample Type:		B
Top Depth (m):		
Base Depth (m):		
Saturation		
Cell Pressure Incr.	kPa	50
Back Pressure Incr.	kPa	50
Differential Pressure	kPa	10
Final Cell Pressure	kPa	500
Final B Value	-	0.96



Consolidation		
Effective Pressure	kPa	200
Cell Pressure	kPa	650
Back Pressure	kPa	450
Final PWP	kPa	453
PWP dissipation	%	97



Dove Valley Park

Contract No.

PSL25/8005

Client Ref

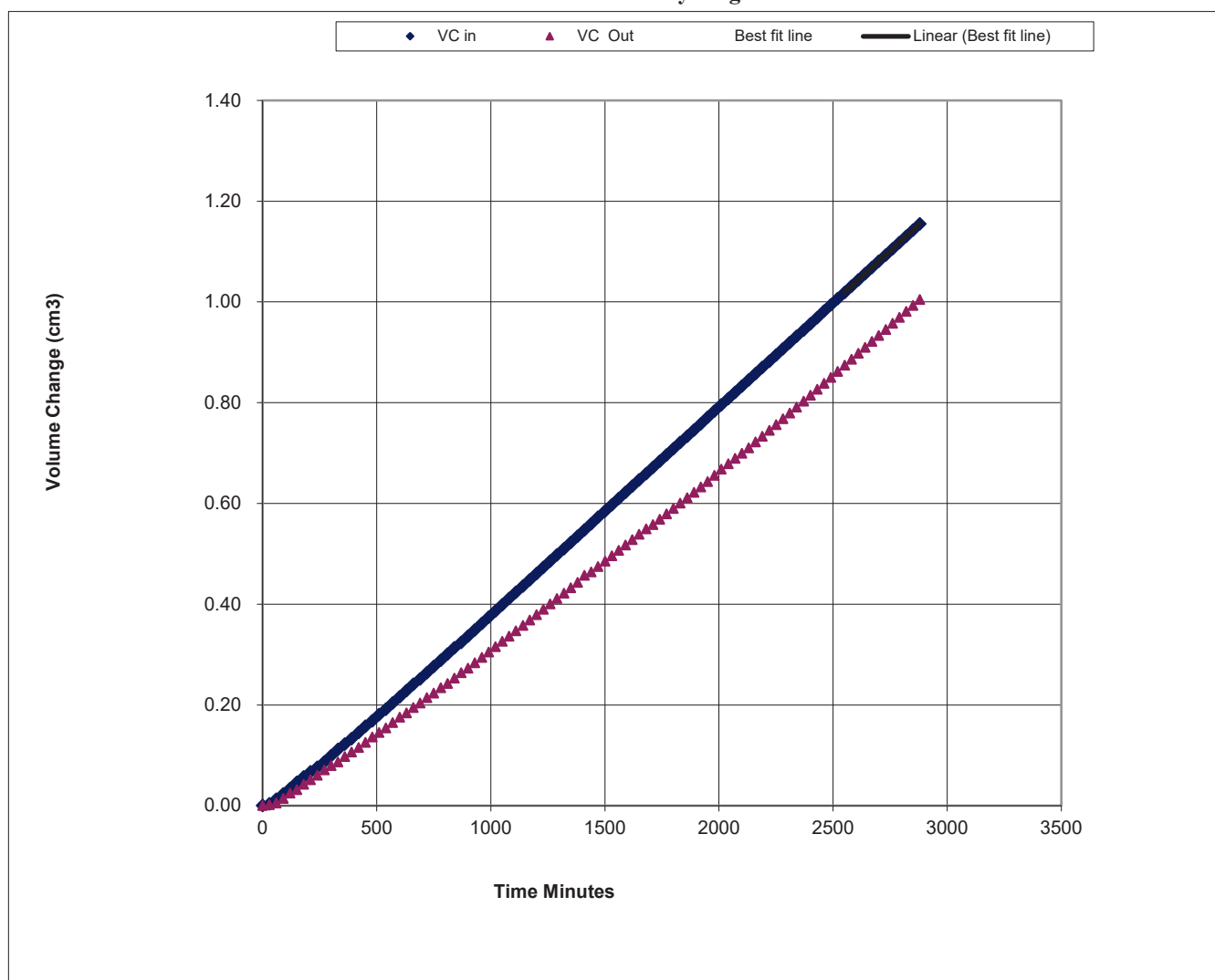
N5025-25

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Hole Number:		6 Passes - Y9
Sample Number:	m	C1583/53
Sample Type:		B
Top Depth (m):		
Base Depth (m):		

Permeability Stage



Permeability Stage		
Cell Pressure	kPa	650
Mean Effective Stress	kPa	200
Back Pressure Diff.	kPa	20
Mean Rate of Flow	ml/min	0.0004
Average Temperature	'C	20
Vertical Permeability Kv	m/s	4.1E-11



Dove Valley Park

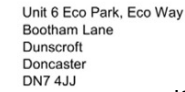
Contract No.

PSL25/8005

Client Ref

N5025-25

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/56A

REPORT NO:

ETS/23134A

Clients Reference:

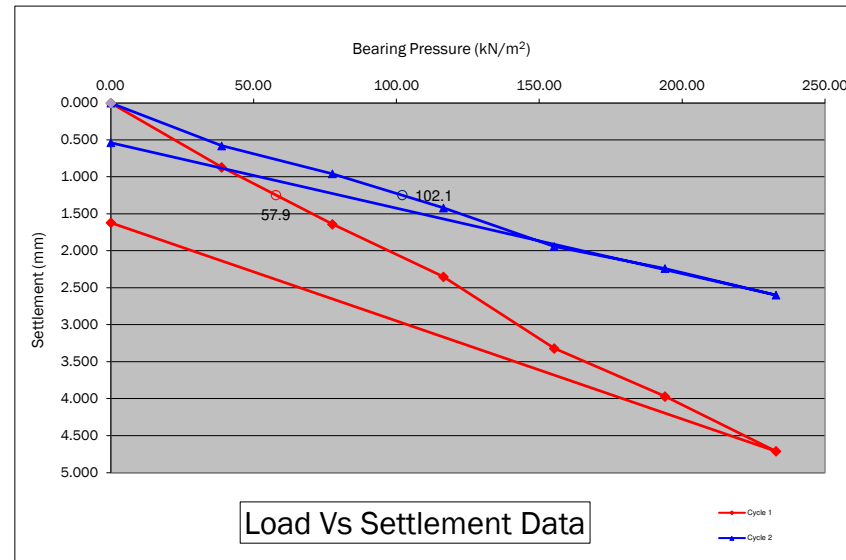
C1583/56A

Report Date:

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	Z11 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.87	38.8	0.58
77.6	1.64	77.6	0.96
116.4	2.35	116.4	1.42
155.2	3.32	155.2	1.94
194.0	3.97	194.0	2.24
232.8	4.71	232.8	2.60
0.0	1.62	0.0	0.54
Recovery %	66		79



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.6	mm	Cycle 1	5.1	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	57.9	kN/m ²	Cycle 2	13.6	
Modulus of Subgrade Reaction K762	37.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

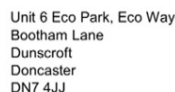
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/56A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

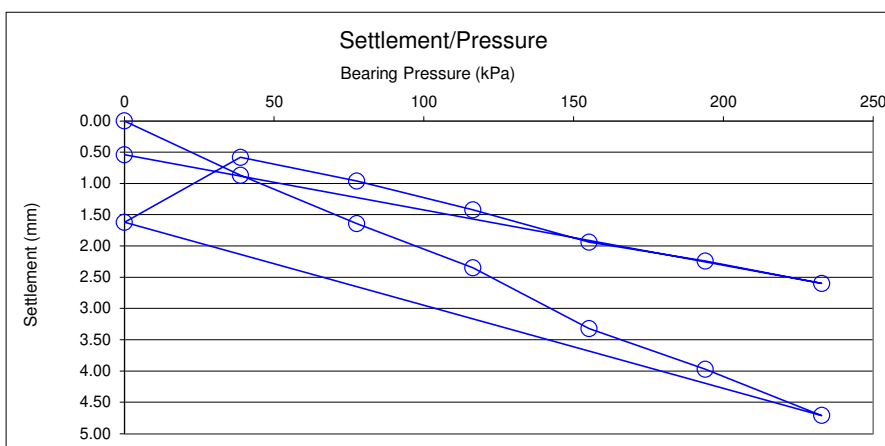
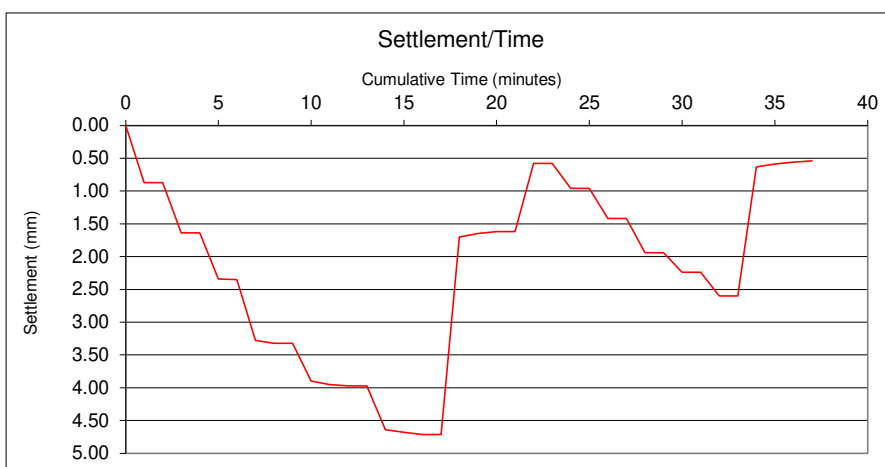
Clients Reference: C1583/56A

REPORT NO: ETS/23134A

Report Date: 07/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	Z11 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.87
4.0	77.6	1.64
6.0	116.4	2.35
9.0	155.2	3.32
13.0	194.0	3.97
17.0	232.8	4.71
21.0	0.0	1.62
23.0	38.8	0.58
25.0	77.6	0.96
27.0	116.4	1.42
29.0	155.2	1.94
31.0	194.0	2.24
33.0	232.8	2.60
37.0	0.0	0.54



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		22.2
Strain Modulus - Ev ₂ Value (MN/m ²)		57.50
Ev ₂ /Ev ₁	2.59	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	4.71 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

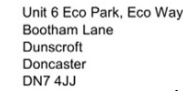
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/56B

C1583/56B

REPORT NO:

ETS/23134B

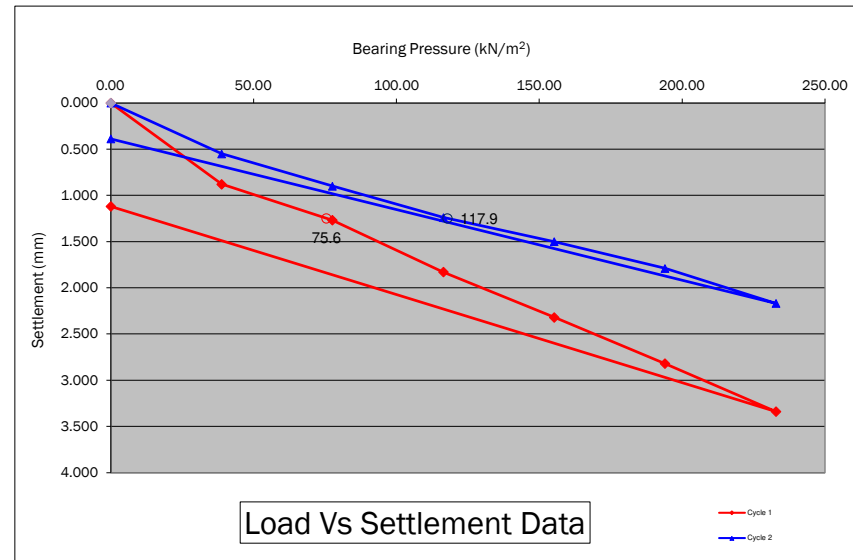
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	AB6 Layer 10 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.88	38.8	0.55
77.6	1.27	77.6	0.90
116.4	1.83	116.4	1.24
155.2	2.32	155.2	1.50
194.0	2.82	194.0	1.79
232.8	3.34	232.8	2.17
0.0	1.12	0.0	0.39
Recovery %	67		82

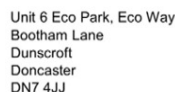


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.17	mm	Cycle 1	8.1	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	75.6	kN/m ²	Cycle 2	17.5	
Modulus of Subgrade Reaction K762	48.7	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/56B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/56B

REPORT NO: ETS/23134B

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	AB6 Layer 10 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		35.5
Strain Modulus - Ev ₂ Value (MN/m ²)		71.25
Ev ₂ /Ev ₁	2.01	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

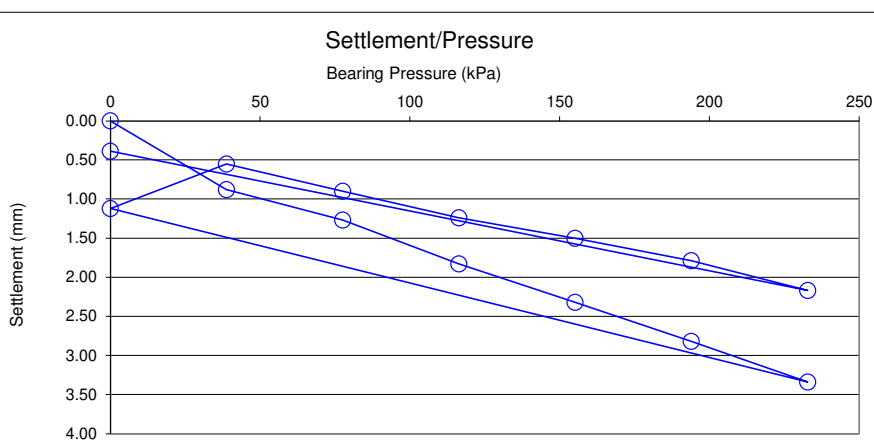
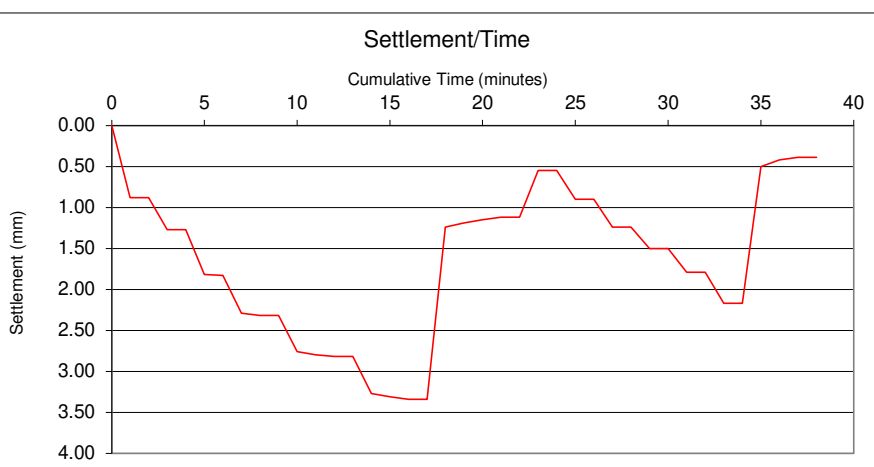


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	3.34 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

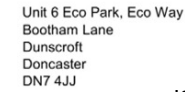
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/56C

REPORT NO:

ETS/23134C

Clients Reference:

C1583/56C

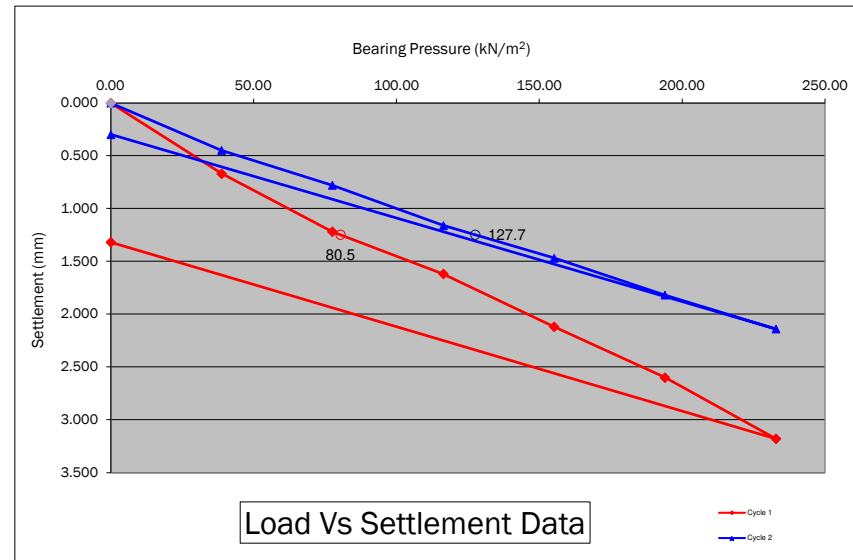
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	ABB Layer 10 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.67	38.8	0.45
77.6	1.22	77.6	0.78
116.4	1.62	116.4	1.16
155.2	2.12	155.2	1.47
194.0	2.60	194.0	1.82
232.8	3.18	232.8	2.14
0.0	1.32	0.0	0.30
Recovery %	59		86

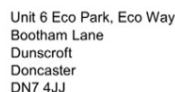


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.14	mm	Cycle 1	9.0	
Cycle 1 Values			Cycle 2	20.1	
Bearing Pressure @ 1.25mm Settlement	80.5	kN/m ²			
Modulus of Subgrade Reaction K762	51.8	kN/m ² /mm			
Notes:			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		
	Initial load applied by test equipment calculated to be less than 0.8 kN				

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/56C

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/56C

REPORT NO: ETS/23134C

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	AB8 Layer 10 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		36.6
Strain Modulus - Ev ₂ Value (MN/m ²)		71.20
Ev ₂ /Ev ₁	1.95	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

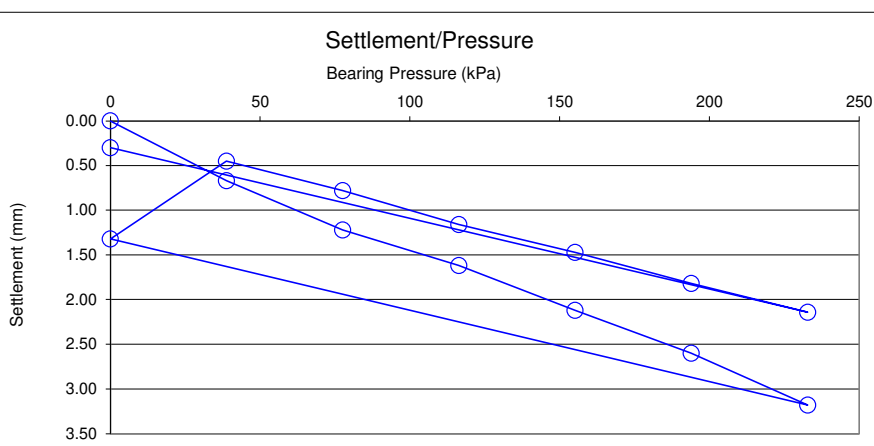
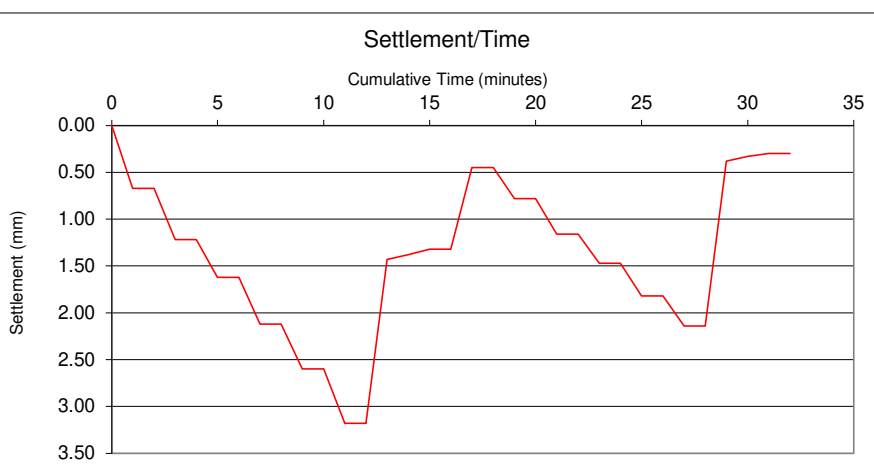


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	3.18 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

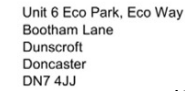
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/56D

REPORT NO:

ETS/23134D

Clients Reference:

C1583/56D

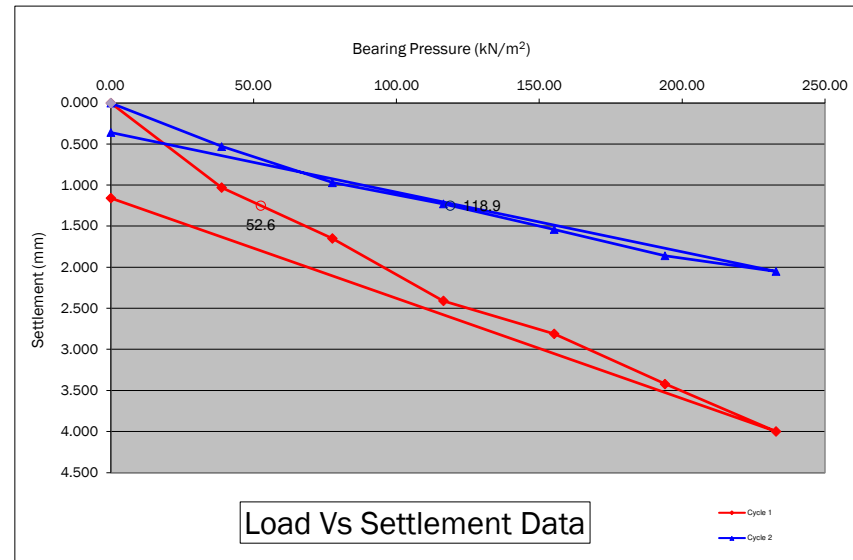
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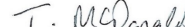
07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	AB10 Layer 10 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	1.03	38.8	0.53
77.6	1.65	77.6	0.97
116.4	2.41	116.4	1.23
155.2	2.81	155.2	1.54
194.0	3.42	194.0	1.86
232.8	4.00	232.8	2.05
0.0	1.16	0.0	0.36
Recovery %	71		82

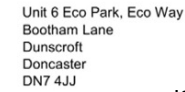


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.05	mm	Cycle 1	4.3	
Cycle 1 Values			Cycle 2	17.7	
Bearing Pressure @ 1.25mm Settlement	52.6	kN/m²			
Modulus of Subgrade Reaction K762	33.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/56E

REPORT NO:

ETS/23134E

Clients Reference:

C1583/56E

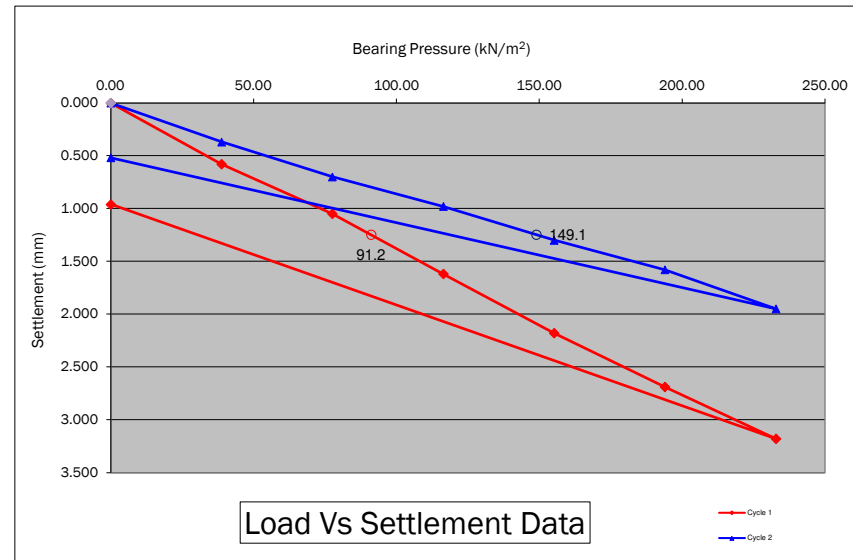
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	Z10 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.58	38.8	0.37
77.6	1.05	77.6	0.70
116.4	1.62	116.4	0.98
155.2	2.18	155.2	1.30
194.0	2.69	194.0	1.58
232.8	3.18	232.8	1.95
0.0	0.96	0.0	0.52
Recovery %	70		73

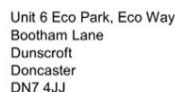


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.95	mm	Cycle 1	11.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	91.2	kN/m ²	Cycle 2	26.3	
Modulus of Subgrade Reaction K762	58.7	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/56E

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/56E

REPORT NO: ETS/23134E

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	01/10/2025
Test Location:	Z10 Layer 5 (7.1)	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		32.8
Strain Modulus - Ev ₂ Value (MN/m ²)		73.53
Ev ₂ /Ev ₁	2.24	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

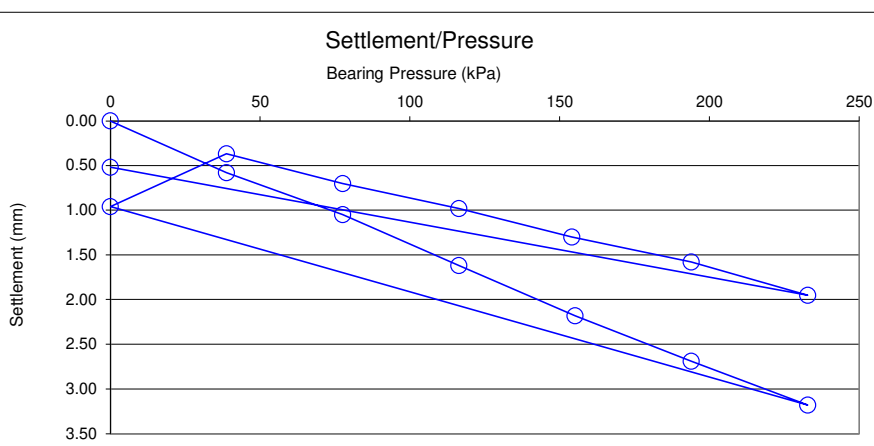
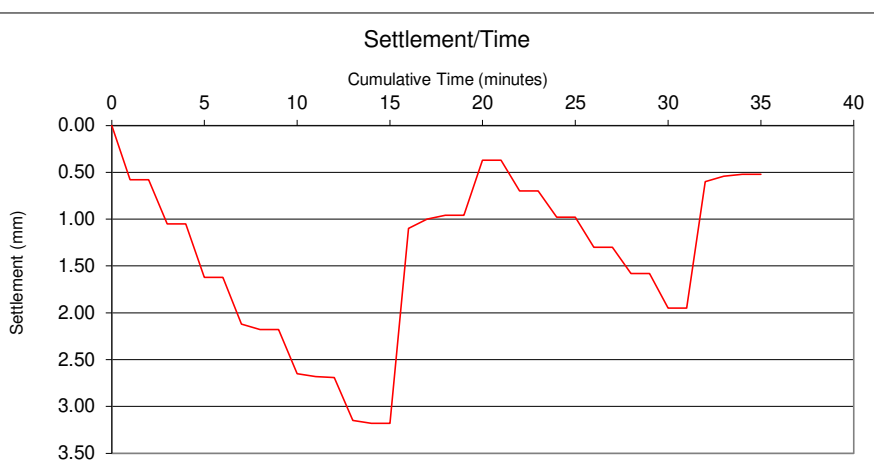


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	3.18 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/71A

Clients Reference:

C1583/71A

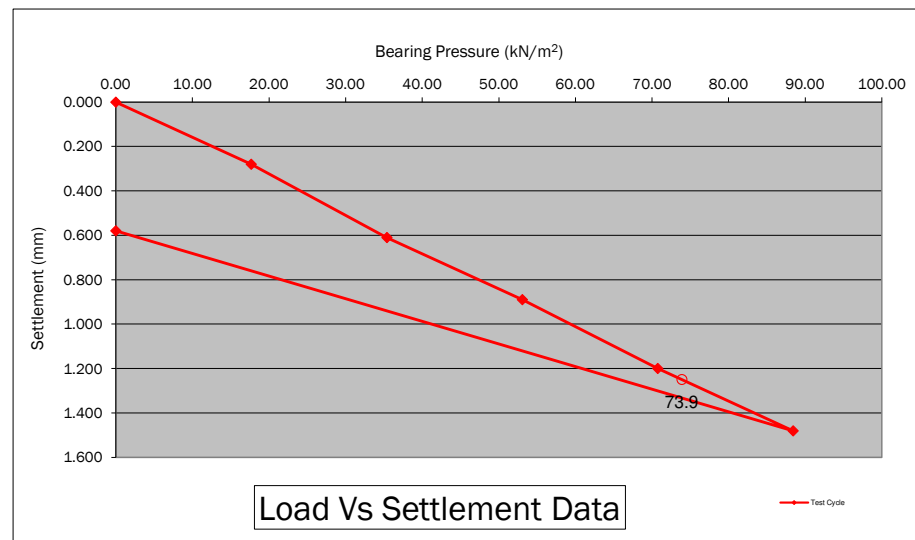
REPORT NO:	ETS/23149A
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Report Date:	07/10/2025
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TEST REPORT

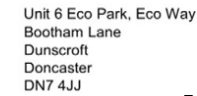
Material Description:	Brown Sandy Clay	Date Tested:	01/10/2025
Test Location:	N10 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
17.68	0.28
35.37	0.61
53.05	0.89
70.74	1.20
88.42	1.48
0.00	0.58
Recovery %	61



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 7.8		
Maximum Applied Pressure	88.4	kN/m²			
Maximum Settlement	1.48	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	73.9	kN/m²			
Modulus of Subgrade Reaction K762	47.6	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/71B

REPORT NO:	
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ETS/23149B

Clients Reference:

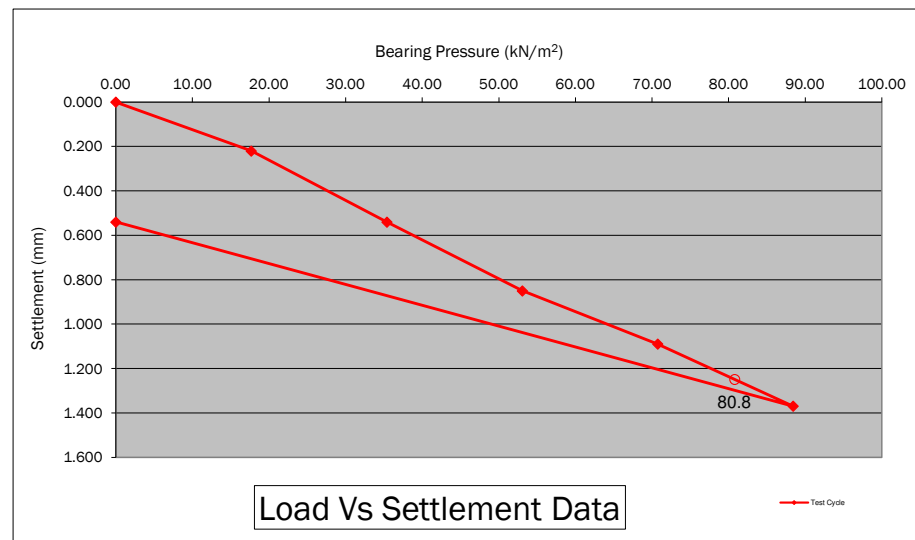
C1583/71B

Report Date:

07/10/2025

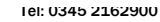
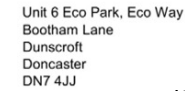
TEST REPORT

Material Description:	Brown Sandy Clay	Date Tested:	01/10/2025
Test Location:	Q11 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	88.4	kN/m²			
Maximum Settlement	1.37	mm	9.1		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	80.8	kN/m²			
Modulus of Subgrade Reaction K762	52.0	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park

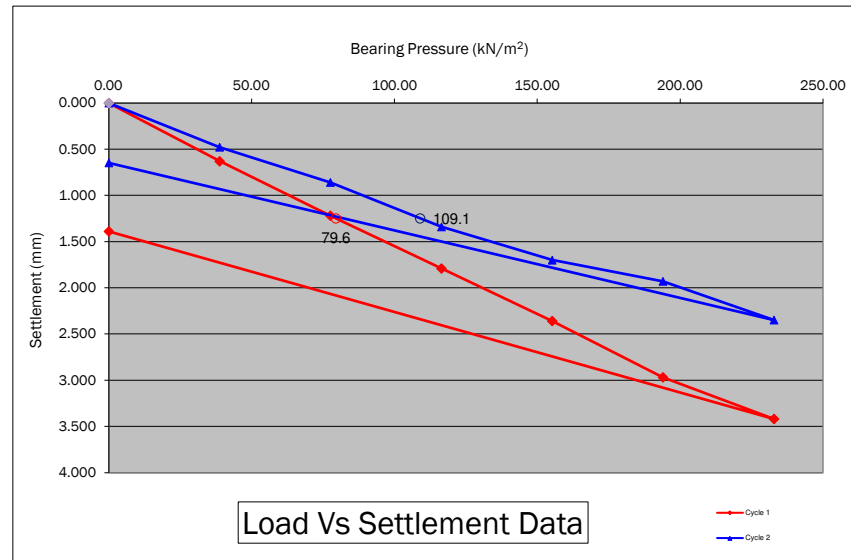


Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value	Contract Test Reference:	C1583/75	REPORT NO:	ETS/23200
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference:	C1583/75	Report Date:	07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	02/10/2025
Test Location:	28 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.35	mm	Cycle 1	8.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	79.6	kN/m ²	Cycle 2	15.3	
Modulus of Subgrade Reaction K762	51.2	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

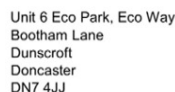
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/75

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/75

REPORT NO: ETS/23200

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	02/10/2025
Test Location:	Z8 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.63
4.0	77.6	1.22
6.0	116.4	1.79
8.0	155.2	2.36
10.0	194.0	2.97
12.0	232.8	3.42
16.0	0.0	1.39
18.0	38.8	0.48
20.0	77.6	0.86
22.0	116.4	1.34
24.0	154.1	1.70
26.0	194.0	1.93
28.0	232.8	2.35
32.0	0.0	0.65

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)	30.2	
Strain Modulus - Ev ₂ Value (MN/m ²)	64.00	
Ev ₂ /Ev ₁	2.12	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

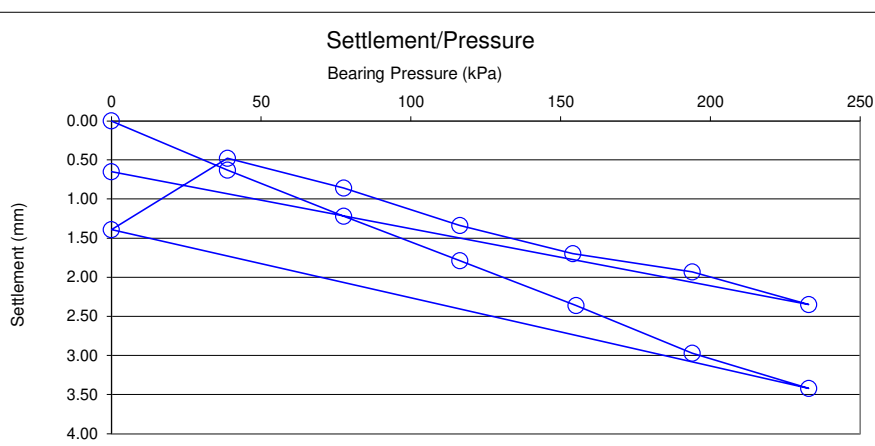
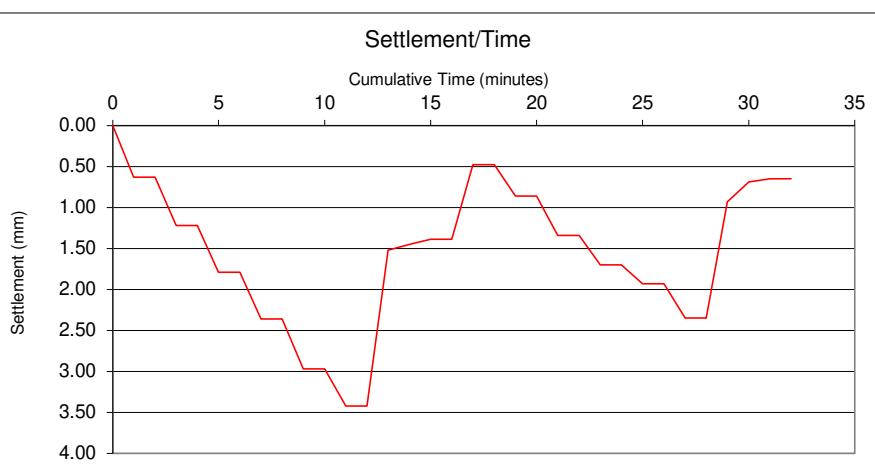


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	3.42 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

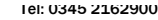
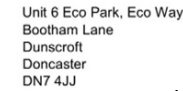
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park

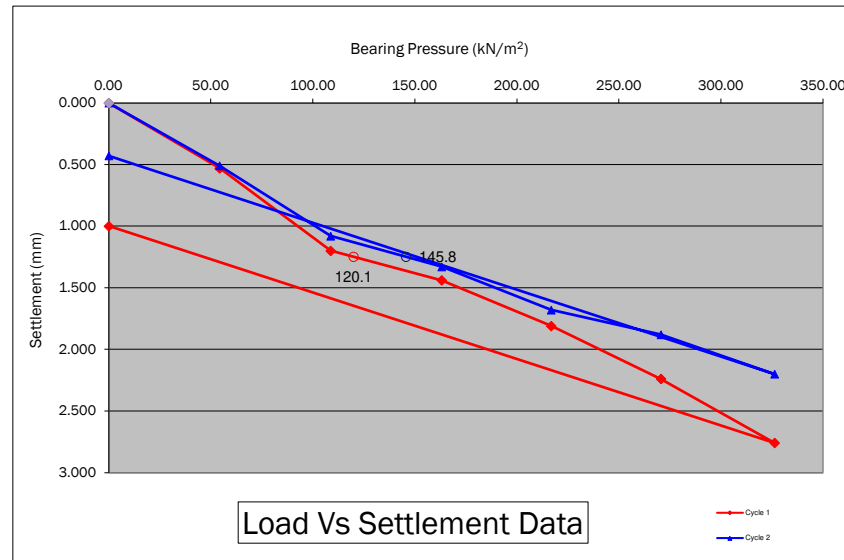


Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/76A	REPORT NO:	ETS/23201A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/76A	Report Date:	07/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +6 Passes	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
54.4	0.53	54.4	0.51
108.8	1.20	108.8	1.08
163.2	1.44	163.2	1.33
216.9	1.81	216.9	1.68
270.6	2.24	270.6	1.88
326.3	2.76	326.3	2.20
0.0	1.00	0.0	0.43
Recovery %	64		81



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory <i>T. McDonald</i>
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	326.3	kN/m ²			
Maximum Settlement	2.2	mm	Cycle 1	18.0	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	120.1	kN/m ²	Cycle 2	25.3	
Modulus of Subgrade Reaction K762	77.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

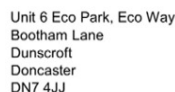
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/76A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/76A

REPORT NO: ETS/23201A

Report Date: 07/10/2025

TEST REPORT

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
3.0	54.4	0.53
7.0	108.8	1.20
11.0	163.2	1.44
16.0	216.9	1.81
21.0	270.6	2.24
26.0	326.3	2.76
30.0	0.0	1.00
33.0	54.4	0.51
37.0	108.8	1.08
41.0	163.2	1.33
46.0	216.9	1.68
51.0	270.6	1.88
56.0	326.3	2.20
60.0	0.0	0.43

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.271	0.271
Strain Modulus - Ev ₁ Value (MN/m ²)		63.2
Strain Modulus - Ev ₂ Value (MN/m ²)		93.46
Ev ₂ /Ev ₁	1.48	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

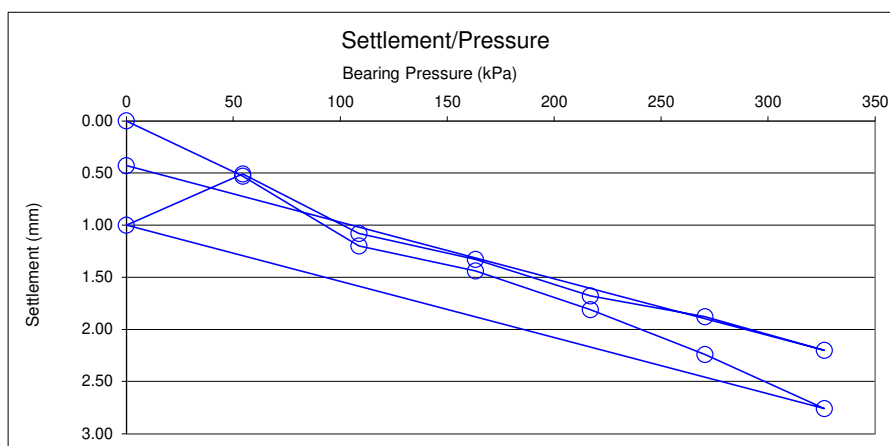
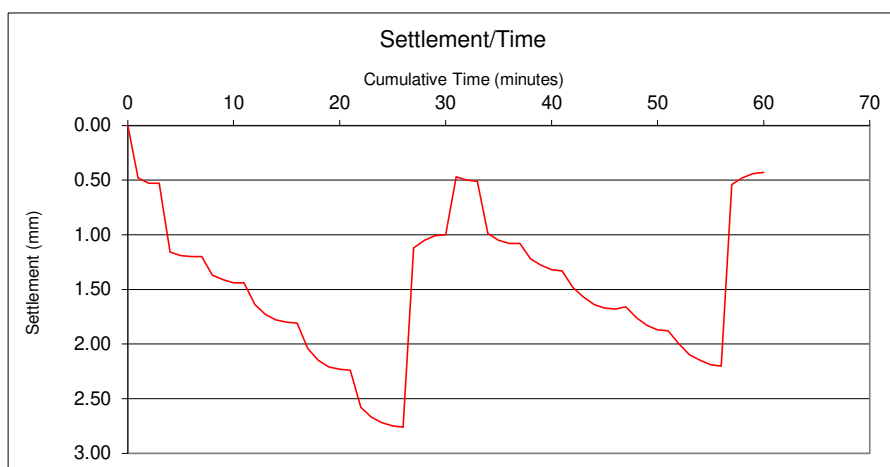


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	326.3 kPa
Maximum Settlement	2.76 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

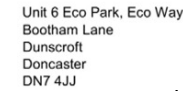
Earthworks Testing Ltd - Company No. 14251352

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EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/76B

REPORT NO:

ETS/23201B

Clients Reference:

C1583/76B

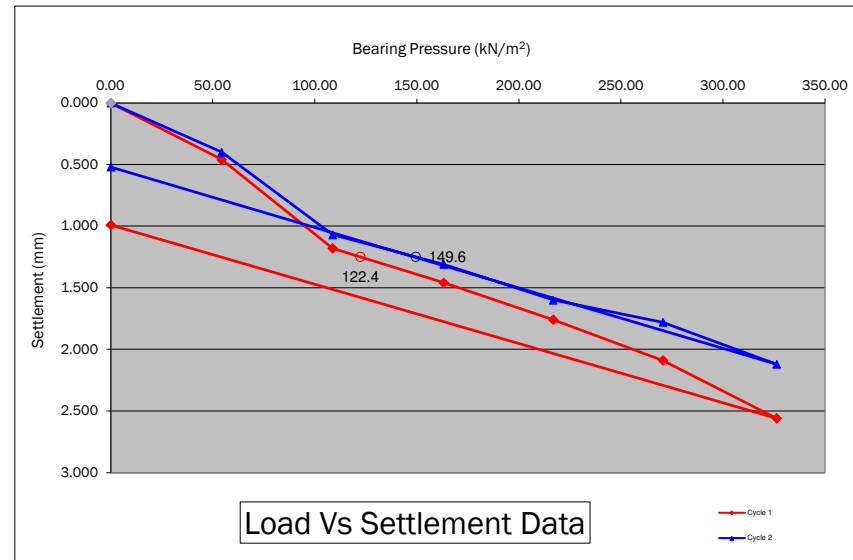
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +8 Passes	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
54.4	0.46	54.4	0.40
108.8	1.18	108.8	1.07
163.2	1.46	163.2	1.31
216.9	1.76	216.9	1.60
270.6	2.09	270.6	1.78
326.3	2.56	326.3	2.12
0.0	0.99	0.0	0.52
Recovery %	61		76



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	326.3	kN/m ²			
Maximum Settlement	2.12	mm	Cycle 1	18.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	122.4	kN/m ²	Cycle 2	26.4	
Modulus of Subgrade Reaction K762	78.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

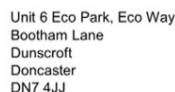
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/76B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/76B

REPORT NO: ETS/23201B

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +8 Passes	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
3.0	54.4	0.46
6.0	108.8	1.18
10.0	163.2	1.46
14.0	216.9	1.76
18.0	270.6	2.09
22.0	326.3	2.56
26.0	0.0	0.99
28.0	54.4	0.40
31.0	108.8	1.07
34.0	163.2	1.31
38.0	216.9	1.60
42.0	270.6	1.78
46.0	326.3	2.12
50.0	0.0	0.52

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.326	0.326
Strain Modulus - Ev ₁ Value (MN/m ²)		65.4
Strain Modulus - Ev ₂ Value (MN/m ²)		98.60
Ev ₂ /Ev ₁	1.51	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

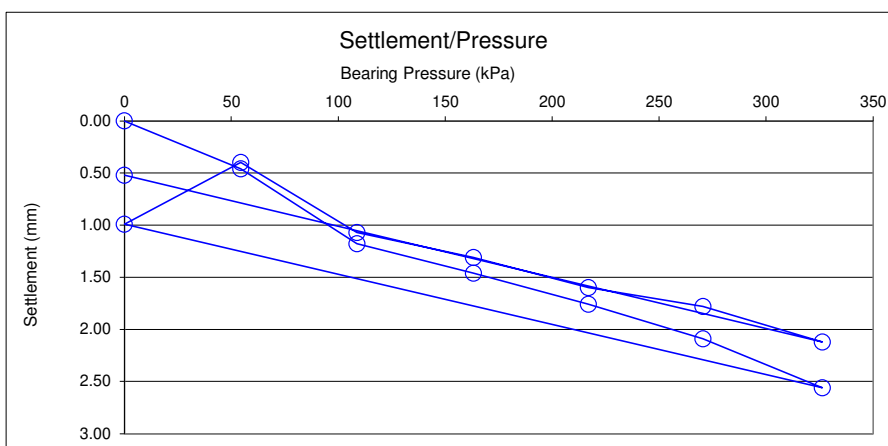
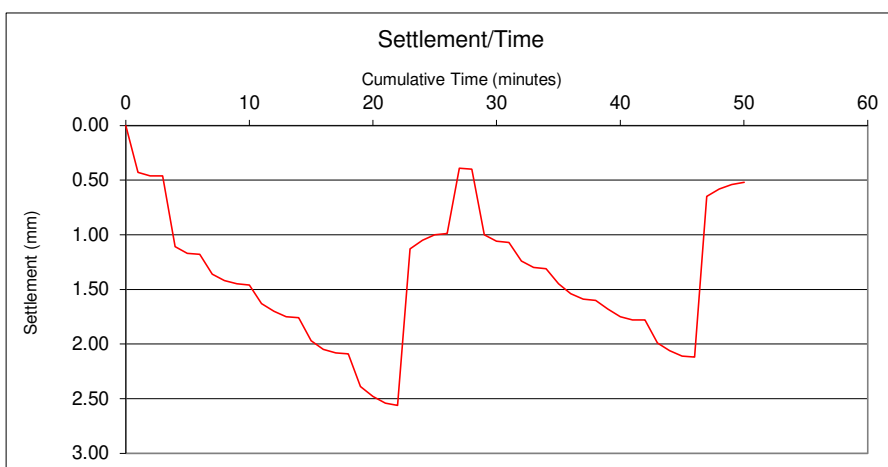


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	326.3 kPa
Maximum Settlement	2.56 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

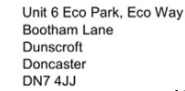
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Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/76C

REPORT NO:

ETS/23201C

Clients Reference:

C1583/76C

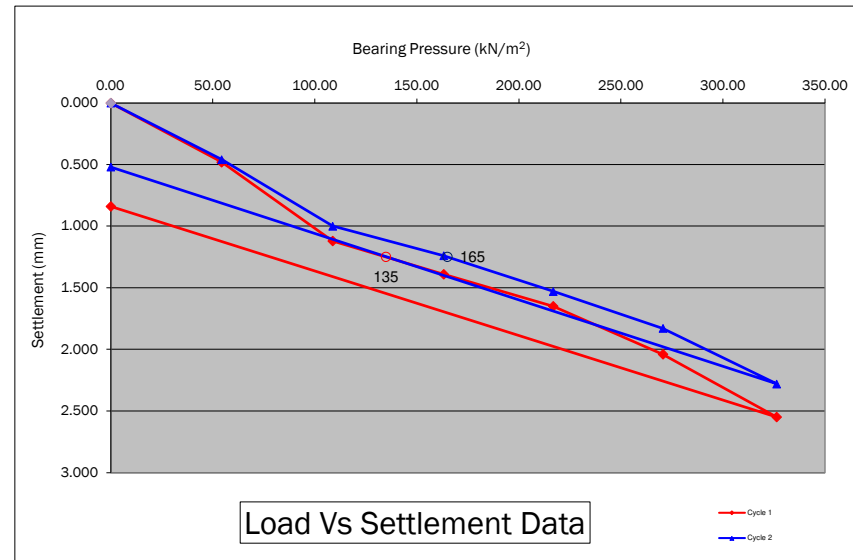
Report Date:

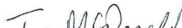
07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +10 Passes	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
54.4	0.48	54.4	0.46
108.8	1.12	108.8	1.00
163.2	1.39	163.2	1.24
216.9	1.65	216.9	1.53
270.6	2.04	270.6	1.83
326.3	2.55	326.3	2.28
0.0	0.84	0.0	0.52
Recovery %	67		77



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	326.3	kN/m²			
Maximum Settlement	2.28	mm	Cycle 1 22.1		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	135.0	kN/m²	Cycle 2 31.3		
Modulus of Subgrade Reaction K762	86.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

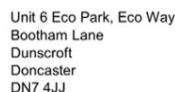
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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/76C

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

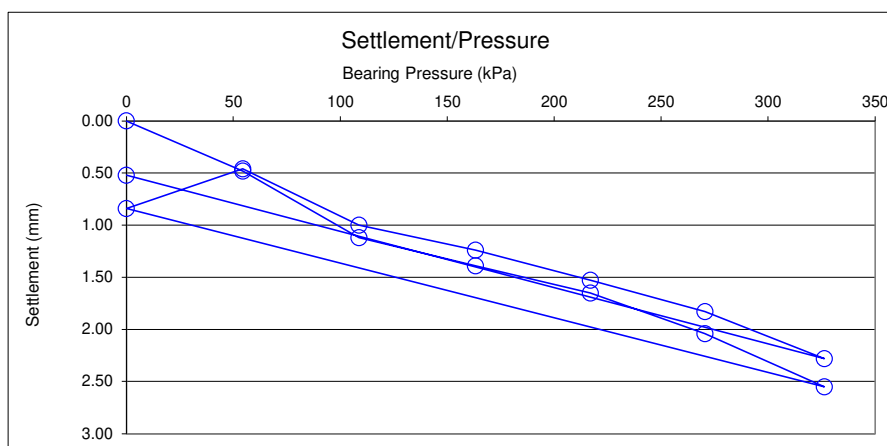
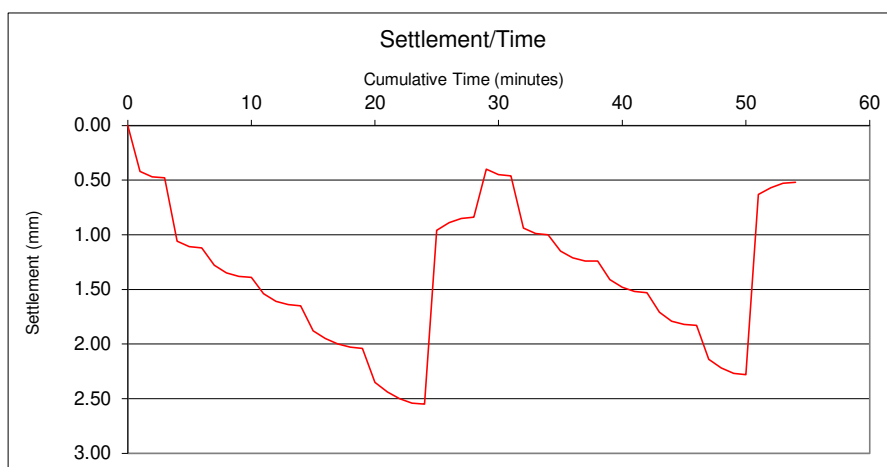
Clients Reference: C1583/76C

REPORT NO: ETS/23201C

Report Date: 07/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +10 Passes	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
3.0	54.4	0.48
6.0	108.8	1.12
10.0	163.2	1.39
14.0	216.9	1.65
19.0	270.6	2.04
24.0	326.3	2.55
28.0	0.0	0.84
31.0	54.4	0.46
34.0	108.8	1.00
38.0	163.2	1.24
42.0	216.9	1.53
46.0	270.6	1.83
50.0	326.3	2.28
54.0	0.0	0.52



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.326	0.326
Strain Modulus - Ev ₁ Value (MN/m ²)		69.4
Strain Modulus - Ev ₂ Value (MN/m ²)		86.58
Ev ₂ /Ev ₁	1.25	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	326.3 kPa
Maximum Settlement	2.55 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

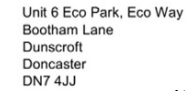
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/76D

C1583/76D

REPORT NO:

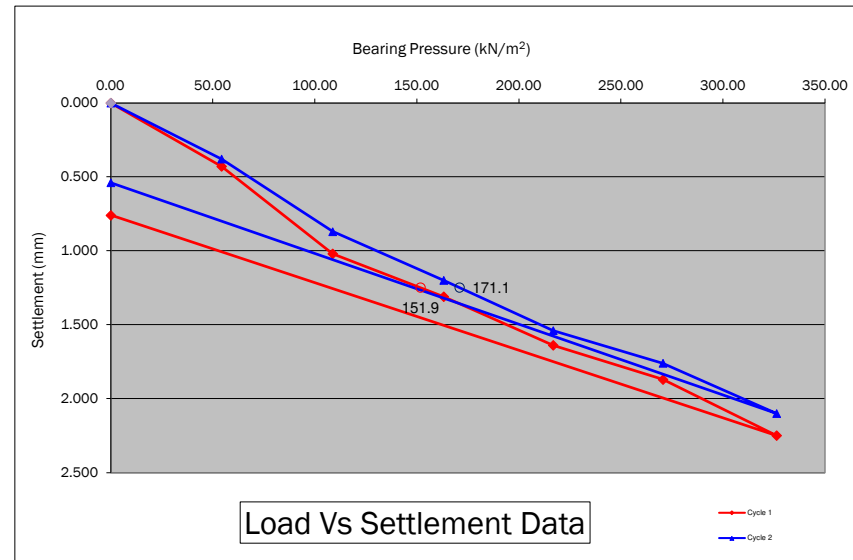
ETS/23201D

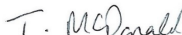
Report Date:

07/10/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
54.4	0.43	54.4	0.38
108.8	1.02	108.8	0.87
163.2	1.31	163.2	1.20
216.9	1.64	216.9	1.54
270.6	1.87	270.6	1.76
326.3	2.25	326.3	2.10
0.0	0.76	0.0	0.54
Recovery %	66		74



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	326.3	kN/m²			
Maximum Settlement	2.1	mm	Cycle 1	27.1	
Cycle 1 Values			Cycle 2	33.3	
Bearing Pressure @ 1.25mm Settlement	151.9	kN/m²			
Modulus of Subgrade Reaction K762	97.8	kN/m²/mm			
Notes:			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		
	Initial load applied by test equipment calculated to be less than 0.8 kN				

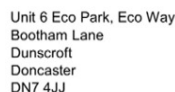
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/76D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/76D

REPORT NO: ETS/23201D

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7) +2% OPC	Date Tested:	02/10/2025
Test Location:	Trial Pad Y9 +12 Passes	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	54.4	0.43
5.0	108.8	1.02
9.0	163.2	1.31
13.0	216.9	1.64
17.0	270.6	1.87
21.0	326.3	2.25
25.0	0.0	0.76
27.0	54.4	0.38
30.0	108.8	0.87
33.0	163.2	1.20
37.0	216.9	1.54
41.0	270.6	1.76
45.0	326.3	2.10
49.0	0.0	0.54

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.326	0.326
Strain Modulus - Ev ₁ Value (MN/m ²)		73.6
Strain Modulus - Ev ₂ Value (MN/m ²)		88.97
Ev ₂ /Ev ₁	1.21	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

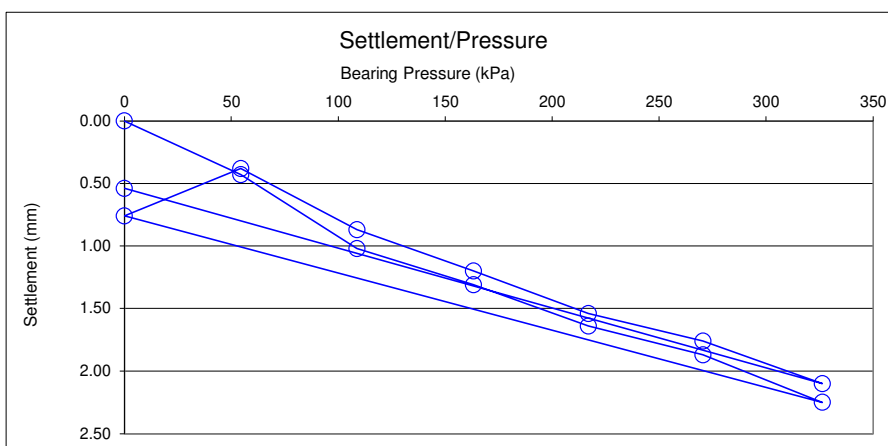
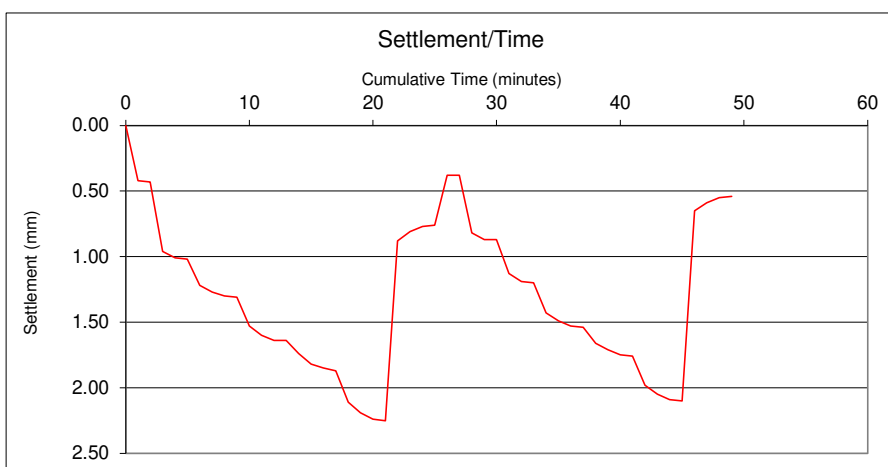


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	326.3 kPa
Maximum Settlement	2.25 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Unit 6 Eco Park, Eco Way
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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/77A

Clients Reference:

C1583/77A

REPORT NO:

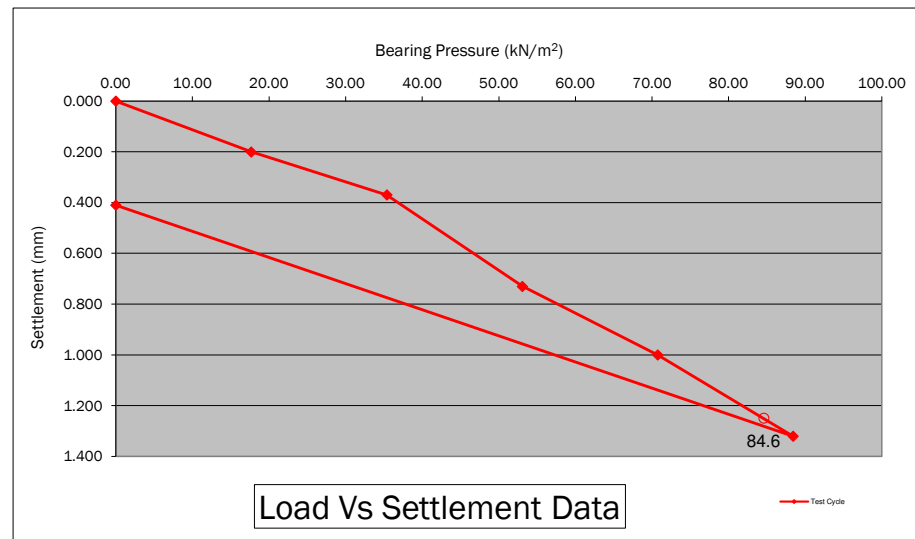
ETS/23202A

Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	V13 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 9.8		
Maximum Applied Pressure	88.4	kN/m²			
Maximum Settlement	1.32	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	84.6	kN/m²			
Modulus of Subgrade Reaction K762	54.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/77B
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Clients Reference:

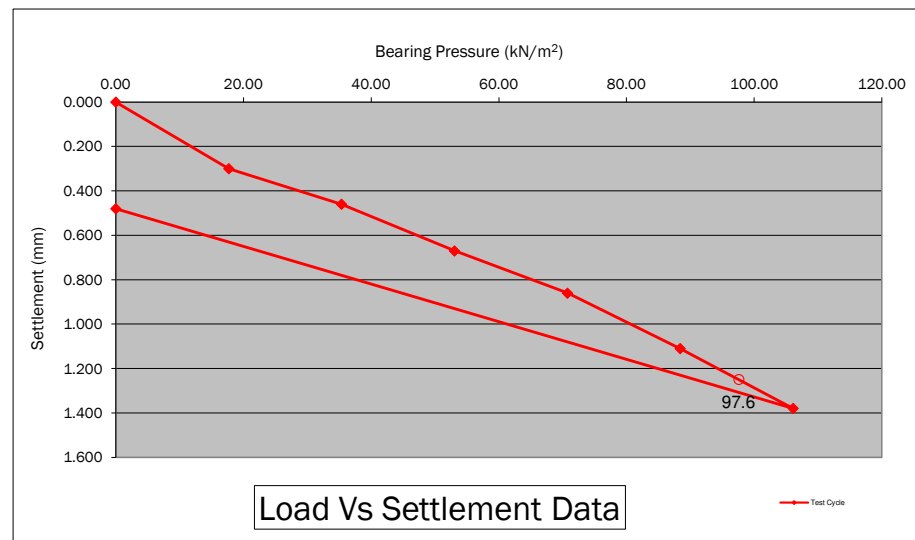
C1583/77B

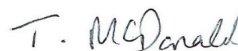
REPORT NO:	ETS/23202B
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Report Date:	07/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	V14 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 12.6		
Maximum Applied Pressure	106.1	kN/m²			
Maximum Settlement	1.38	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	97.6	kN/m²			
Modulus of Subgrade Reaction K762	62.8	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

Clients Reference:

C1583/77C

C1583/77C

REPORT NO:

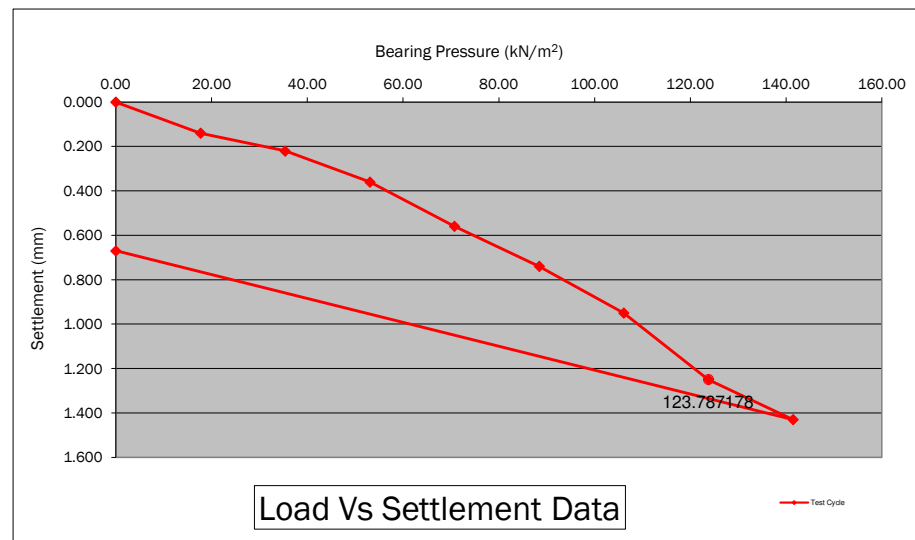
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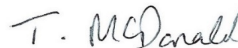
ETS/23202C

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	W13 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	141.5	kN/m²			
Maximum Settlement	1.43	mm	19.0		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	123.8	kN/m²			
Modulus of Subgrade Reaction K762	79.7	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

Clients Reference:

	C1583/77D
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C1583/77D

REPORT NO:

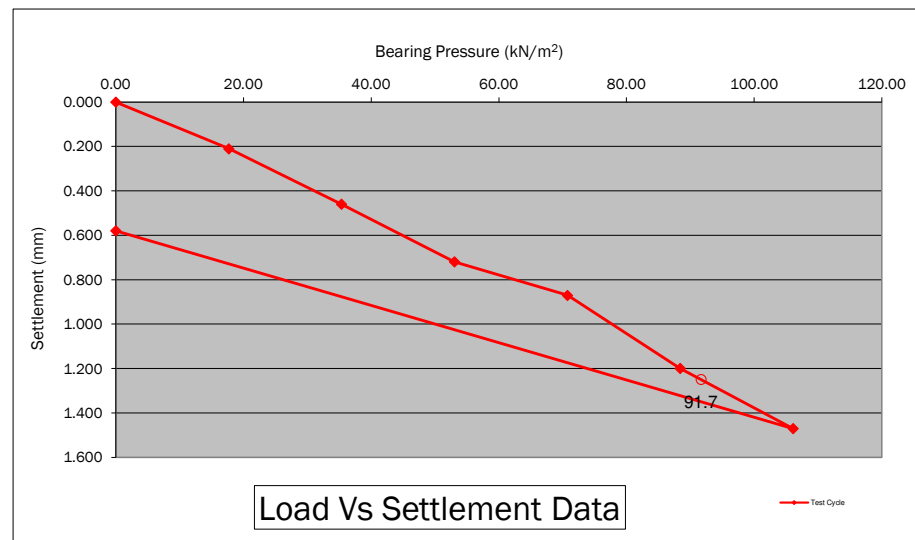
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ETS/23202D

07/10/2025

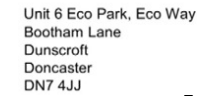
TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	W14 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 		

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/77E

REPORT NO:

ETS/23202E

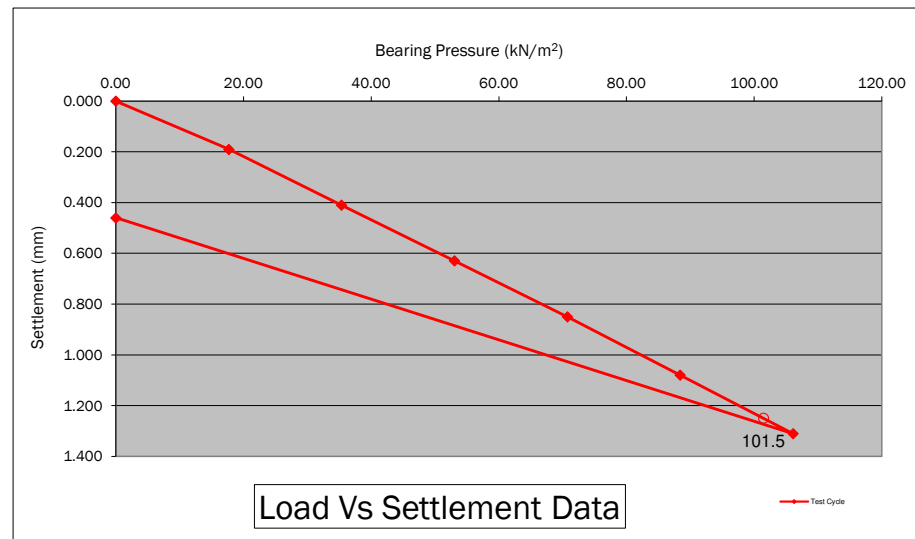
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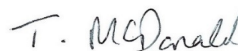
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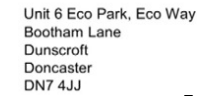
07/10/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	X13 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 13.5		
Maximum Applied Pressure	106.1	kN/m²			
Maximum Settlement	1.31	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	101.5	kN/m²			
Modulus of Subgrade Reaction K762	65.3	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Contract Test Reference:

	C1583/77F
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REPORT NO:

ETS/23202F

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference:

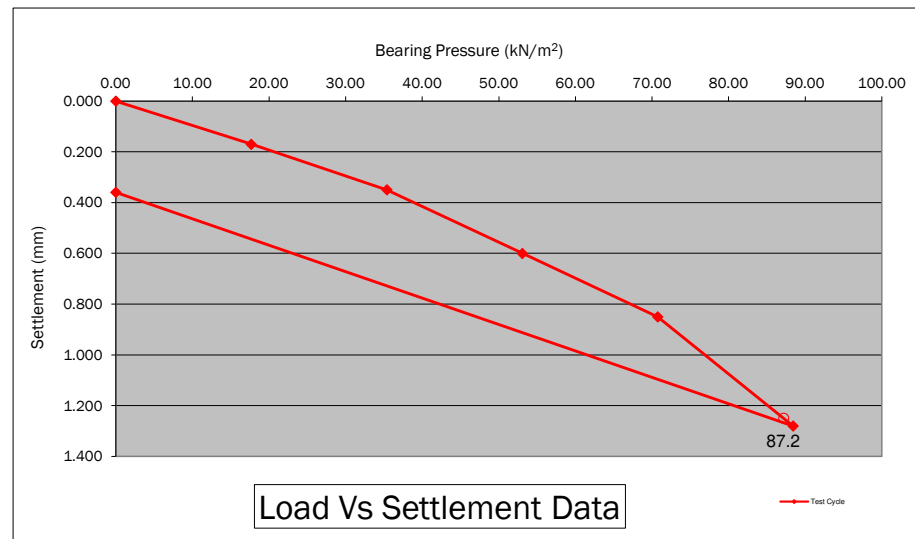
C1583/77F

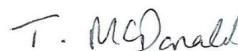
Report Date:

07/10/2025

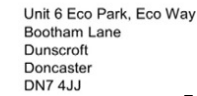
TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	X14 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 10.4		
Maximum Applied Pressure	88.4	kN/m²			
Maximum Settlement	1.28	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	87.2	kN/m²			
Modulus of Subgrade Reaction K762	56.1	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/77G
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Clients Reference:

C1583/77G

REPORT NO:

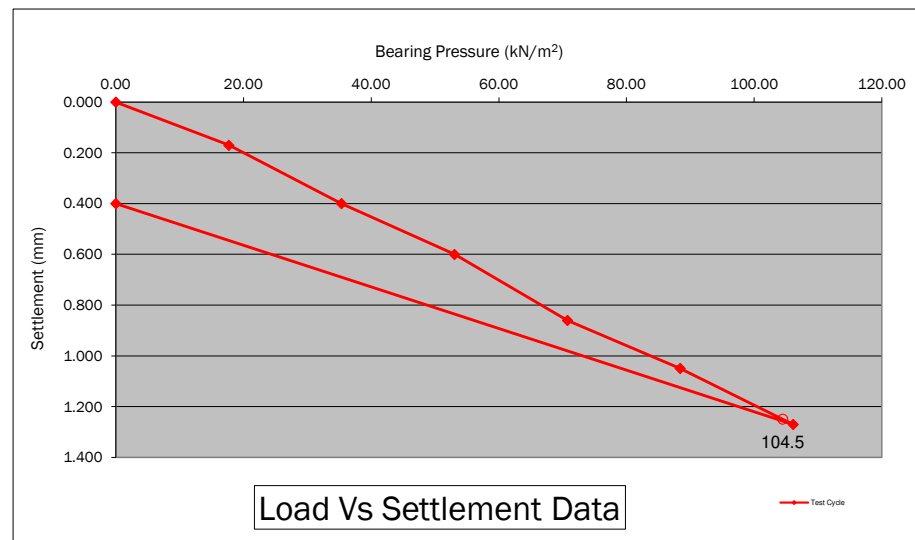
ETS/23202G

Report Date:

07/10/2025

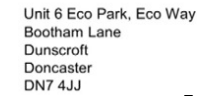
TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	S13 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 14.2		
Maximum Applied Pressure	106.1	kN/m²			
Maximum Settlement	1.27	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	104.5	kN/m²			
Modulus of Subgrade Reaction K762	67.2	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

	C1583/77H
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Clients Reference:

C1583/77H

REPORT NO:

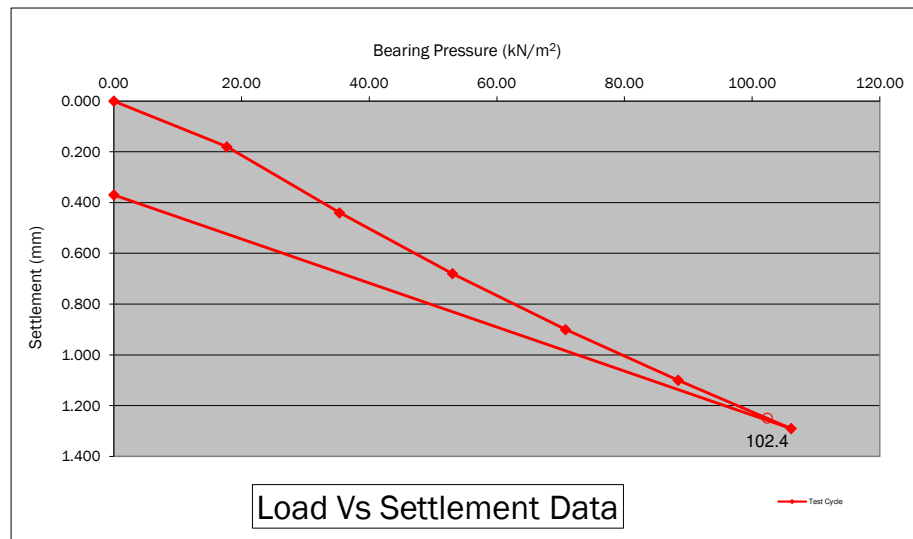
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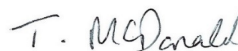
Report Date:

07/10/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	02/10/2025
Test Location:	S14 Sub Formation (Piling Mat)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
<i>kN/m²</i>	<i>mm</i>
17.68	0.18
35.37	0.44
53.05	0.68
70.74	0.90
88.42	1.10
106.10	1.29
0.00	0.37
Recovery %	71



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	19T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 13.7		
Maximum Applied Pressure	106.1	kN/m²			
Maximum Settlement	1.29	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	102.4	kN/m²			
Modulus of Subgrade Reaction K762	65.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Dove Valley Park



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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

Clients Reference:

C1583/92A

C1583/92A

REPORT NO:

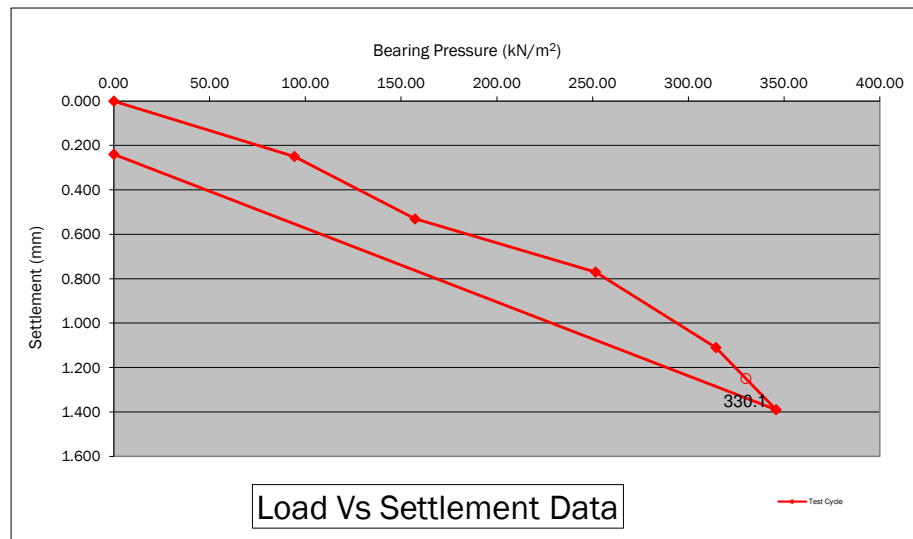
Report Date:

ETS/23250A

07/10/2025

TEST REPORT

Material Description:	Type 1	Date Tested:	03/10/2025
Test Location:	N1	Supplier/Source:	Not Stated
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	450mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.62		Equivalent CBR Value (%)		
Maximum Applied Pressure	345.8	kN/m²			
Maximum Settlement	1.39	mm	66.9		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	330.1	kN/m²			
Modulus of Subgrade Reaction K762	164.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.5 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Plate Loading Test to determine equivalent CBR Value

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Contract Test Reference:

	C1583/92B
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Clients Reference:

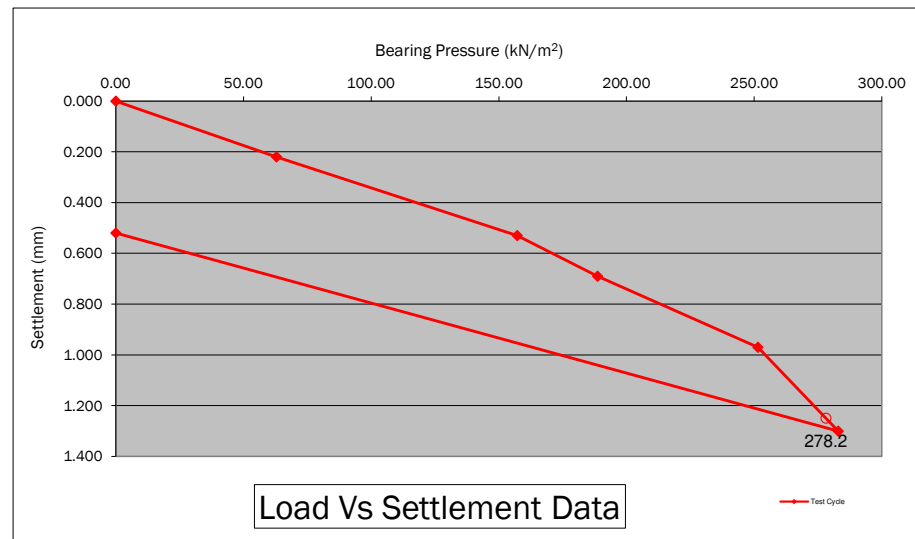
C1583/92B

REPORT NO:	ETS/23250B
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Report Date:	07/10/2025
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TEST REPORT

Material Description:	Type 1	Date Tested:	03/10/2025
Test Location:	N3	Supplier/Source:	Not Stated
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	450mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.62		Equivalent CBR Value (%) 49.7		
Maximum Applied Pressure	282.9	kN/m²			
Maximum Settlement	1.3	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	278.2	kN/m²			
Modulus of Subgrade Reaction K762	138.7	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.5 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Dove Valley Park

Tel: 0345 2162900

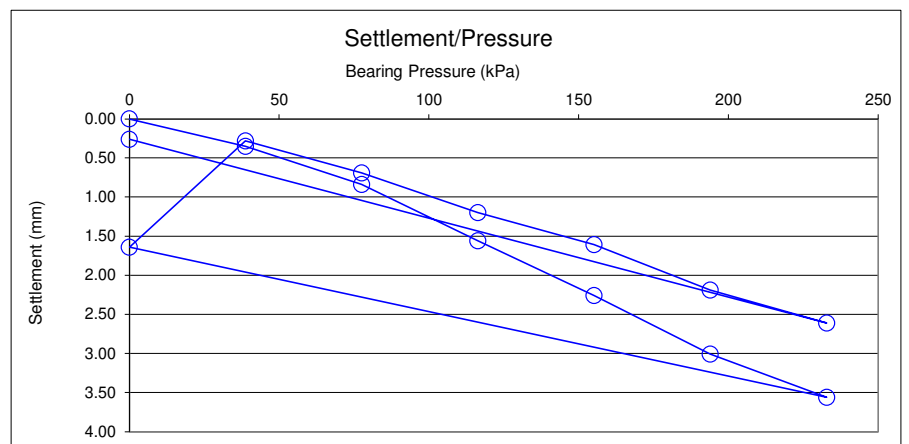
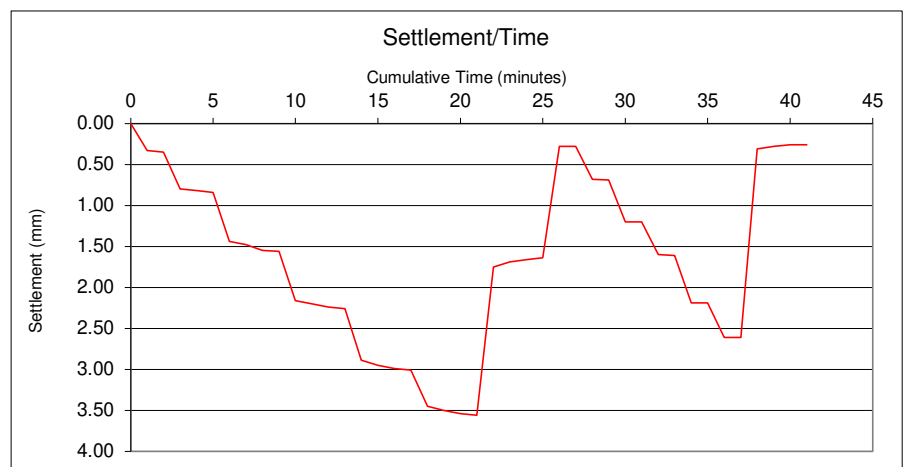
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/95A	REPORT NO: ETS/23321A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/95A	Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	07/10/2025
Test Location:	AA6 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.35
5.0	77.6	0.84
9.0	116.4	1.56
13.0	155.2	2.26
17.0	194.0	3.01
21.0	232.8	3.56
25.0	0.0	1.64
27.0	38.8	0.28
29.0	77.6	0.69
31.0	116.4	1.20
33.0	155.2	1.61
35.0	194.0	2.19
37.0	232.8	2.61
41.0	0.0	0.26



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)	26.1	
Strain Modulus - Ev ₂ Value (MN/m ²)	53.56	
Ev ₂ /Ev ₁	2.05	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.56 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

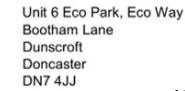
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/95B

REPORT NO:

ETS/23321B

Clients Reference:

C1583/95B

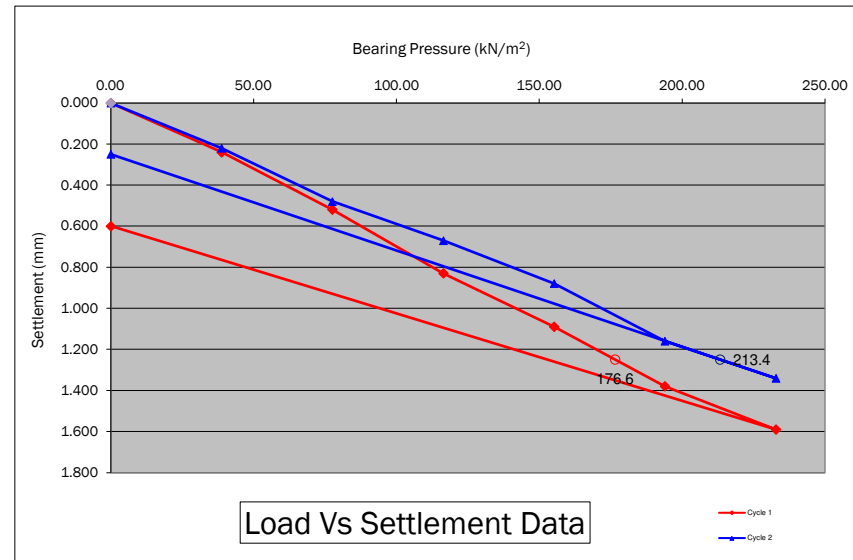
Report Date:

07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	07/10/2025
Test Location:	AA4 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.24	38.8	0.22
77.6	0.52	77.6	0.48
116.4	0.83	116.4	0.67
155.2	1.09	155.2	0.88
194.0	1.38	194.0	1.16
232.8	1.59	232.8	1.34
0.0	0.60	0.0	0.25
Recovery %	62		81



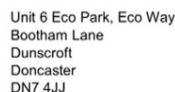
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.34	mm	Cycle 1	35.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	176.6	kN/m ²	Cycle 2	48.9	
Modulus of Subgrade Reaction K762	113.6	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/95B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/95B

REPORT NO: ETS/23321B

Report Date: 07/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	07/10/2025
Test Location:	AA4 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.24
4.0	77.6	0.52
6.0	116.4	0.83
8.0	155.2	1.09
11.0	194.0	1.38
13.0	232.8	1.59
17.0	0.0	0.60
19.0	38.8	0.22
21.0	77.6	0.48
23.0	116.4	0.67
25.0	155.2	0.88
27.0	194.0	1.16
29.0	232.8	1.34
31.0	0.0	0.25

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		61.9
Strain Modulus - Ev ₂ Value (MN/m ²)		97.68
Ev ₂ /Ev ₁	1.58	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

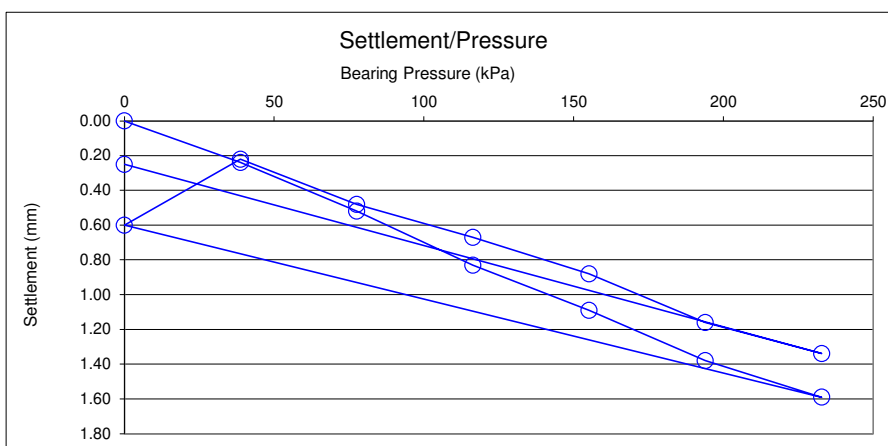
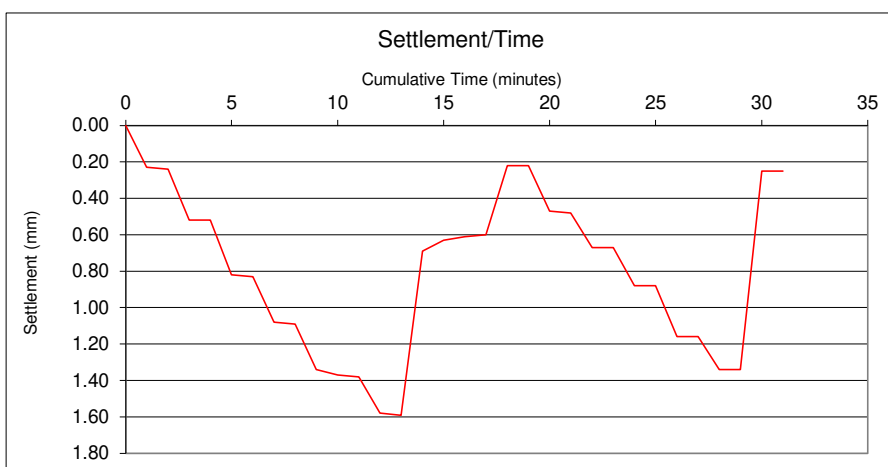


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	232.8 kPa
Maximum Settlement	1.59 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

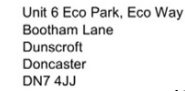
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/98

REPORT NO:

ETS/23324

Clients Reference:

C1583/98

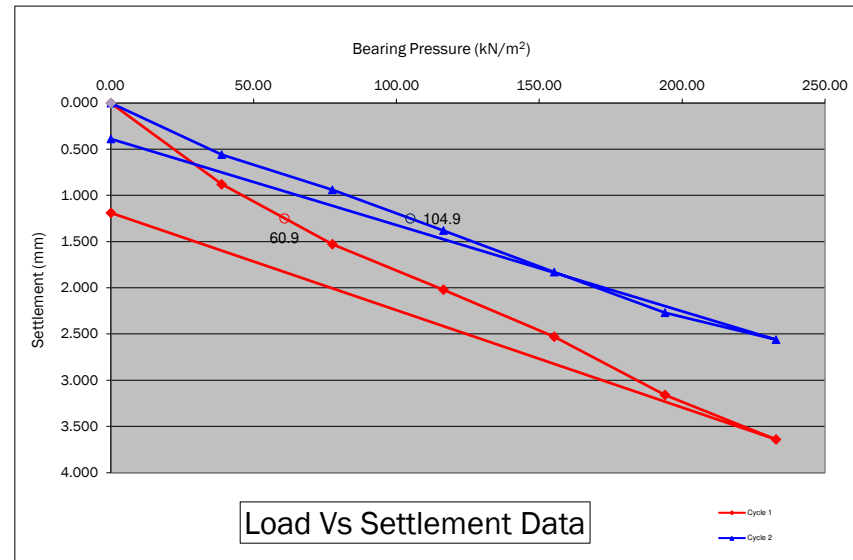
Report Date:

08/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel + 2% Lime (Class 7)	Date Tested:	07/10/2025
Test Location:	Z8 Layer 5 Re-Test	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.88	38.8	0.56
77.6	1.53	77.6	0.94
116.4	2.02	116.4	1.38
155.2	2.53	155.2	1.83
194.0	3.16	194.0	2.27
232.8	3.64	232.8	2.56
0.0	1.19	0.0	0.39
Recovery %	67		85



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.56	mm	Cycle 1	5.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	60.9	kN/m ²	Cycle 2	14.3	
Modulus of Subgrade Reaction K762	39.2	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

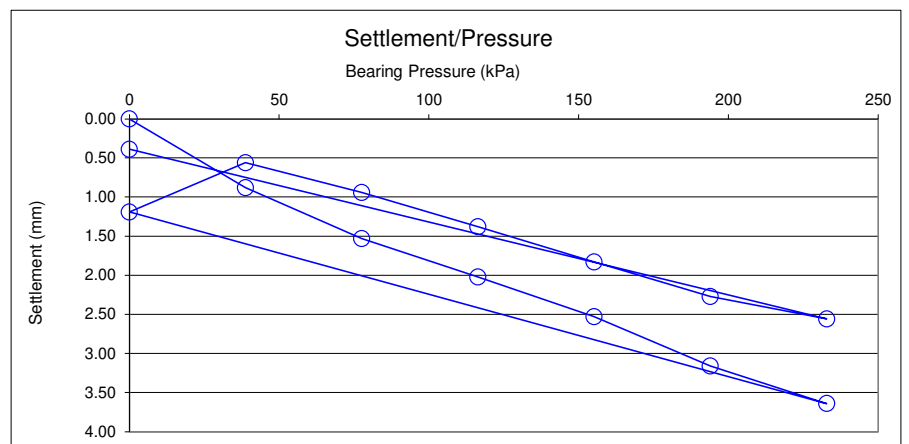
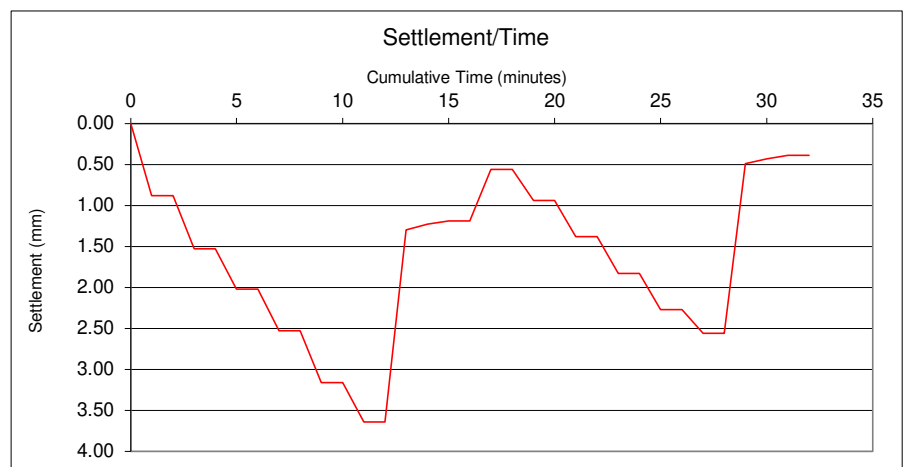
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/98	REPORT NO: ETS/23324
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/98	Report Date: 08/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel + 2% Lime (Class 7)	Date Tested:	07/10/2025
Test Location:	Z8 Layer 5 Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.88
4.0	77.6	1.53
6.0	116.4	2.02
8.0	155.2	2.53
10.0	194.0	3.16
12.0	232.8	3.64
16.0	0.0	1.19
18.0	38.8	0.56
20.0	77.6	0.94
22.0	116.4	1.38
24.0	155.2	1.83
26.0	194.0	2.27
28.0	232.8	2.56
32.0	0.0	0.39



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		31.7
Strain Modulus - Ev ₂ Value (MN/m ²)		52.11
Ev ₂ /Ev ₁	1.64	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.64 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

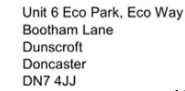
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Contract Test Reference:

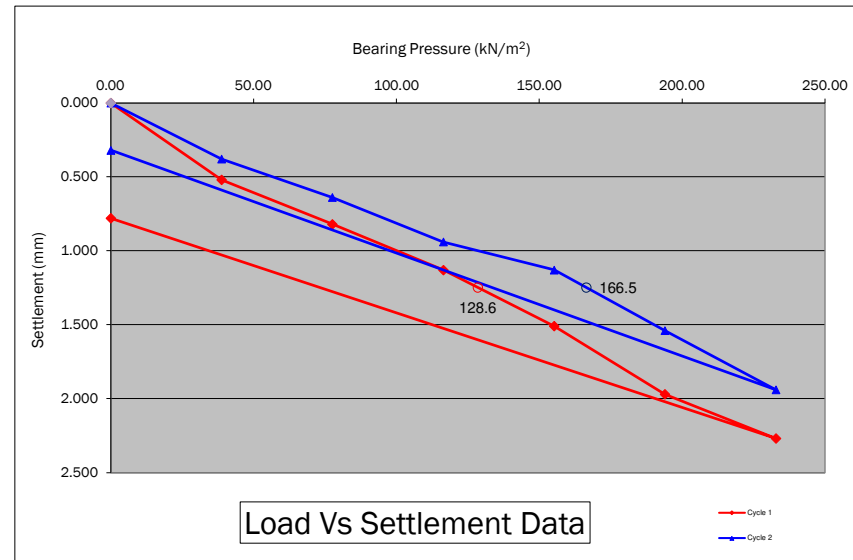
REPORT NO: ETS/23329

Report Date:	08/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	07/10/2025
Test Location:	Q4 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.52	38.8	0.38
77.6	0.82	77.6	0.64
116.4	1.13	116.4	0.94
155.2	1.51	155.2	1.13
194.0	1.97	194.0	1.54
232.8	2.27	232.8	1.94
0.0	0.78	0.0	0.32
Recovery %	66		84



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.94	mm	Cycle 1	20.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	128.6	kN/m ²	Cycle 2	31.8	
Modulus of Subgrade Reaction K762	82.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

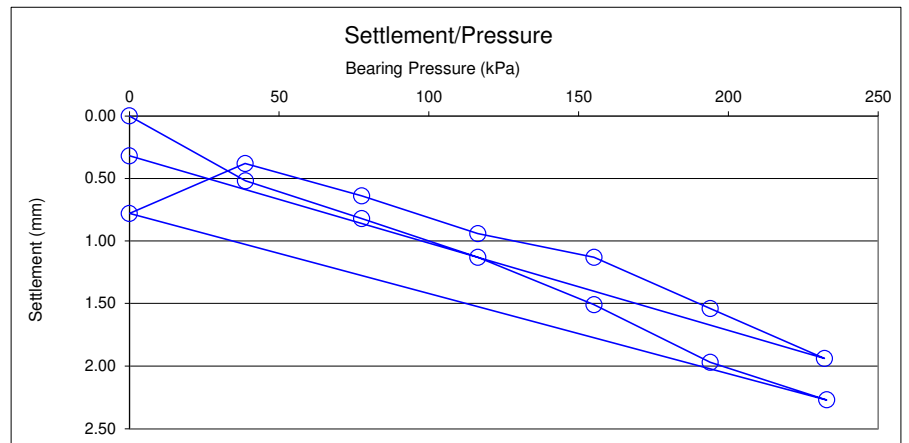
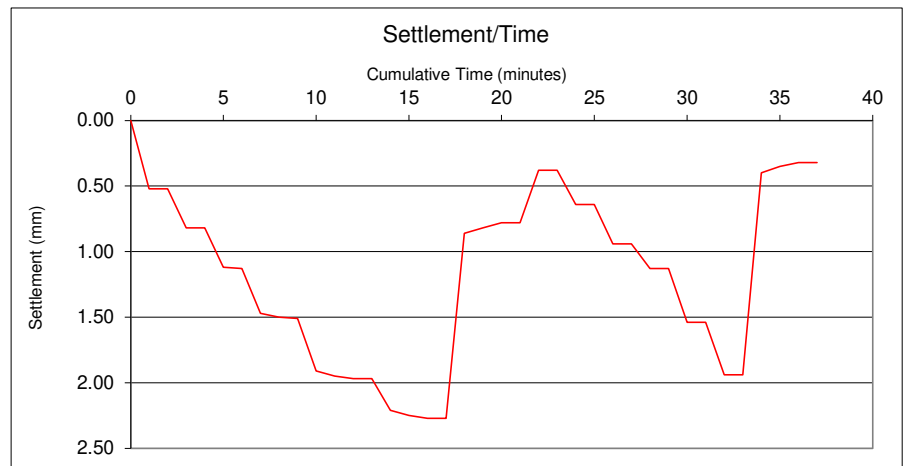
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/103	REPORT NO: ETS/23329
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/103	Report Date: 08/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	07/10/2025
Test Location:	Q4 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.52
4.0	77.6	0.82
6.0	116.4	1.13
9.0	155.2	1.51
13.0	194.0	1.97
17.0	232.8	2.27
21.0	0.0	0.78
23.0	38.7	0.38
25.0	77.6	0.64
27.0	116.4	0.94
29.0	155.2	1.13
31.0	194.0	1.54
33.0	232.1	1.94
37.0	0.0	0.32



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.232
Strain Modulus - Ev ₂ Value (MN/m ²)		49.6
Strain Modulus - Ev ₂ Value (MN/m ²)		72.92
Ev ₂ /Ev ₁	1.47	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	2.27 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



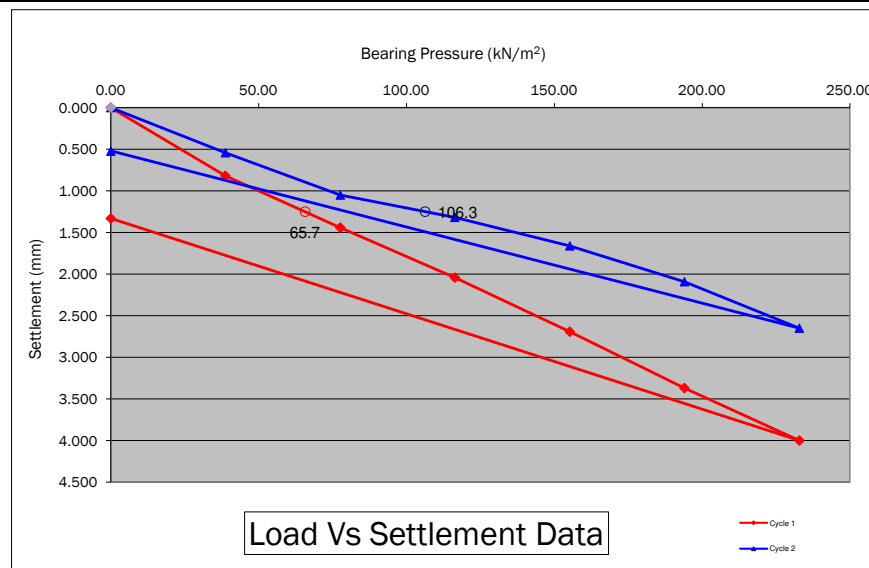
Tel: 0345 2162900

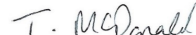
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/104A	REPORT NO:	ETS/23370A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/104A	Report Date:	10/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	08/10/2025
Test Location:	Y4 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.65	mm	Cycle 1	6.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	65.7	kN/m²	Cycle 2	14.6	
Modulus of Subgrade Reaction K762	42.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Contract Test Reference: C1583/104A Clients Reference: C1583/104A	REPORT NO: ETS/23370A Report Date: 10/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	08/10/2025
Test Location:	Y4 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.82
4.0	77.6	1.44
6.0	116.4	2.04
8.0	155.2	2.69
10.0	194.0	3.37
12.0	232.8	4.00
16.0	0.0	1.33
18.0	38.8	0.54
20.0	77.6	1.05
22.0	116.4	1.32
24.0	155.2	1.66
26.0	194.0	2.09
28.0	232.8	2.65
33.0	0.0	0.52

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		27.5
Strain Modulus - Ev ₂ Value (MN/m ²)		58.28
Ev ₂ /Ev ₁	2.12	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

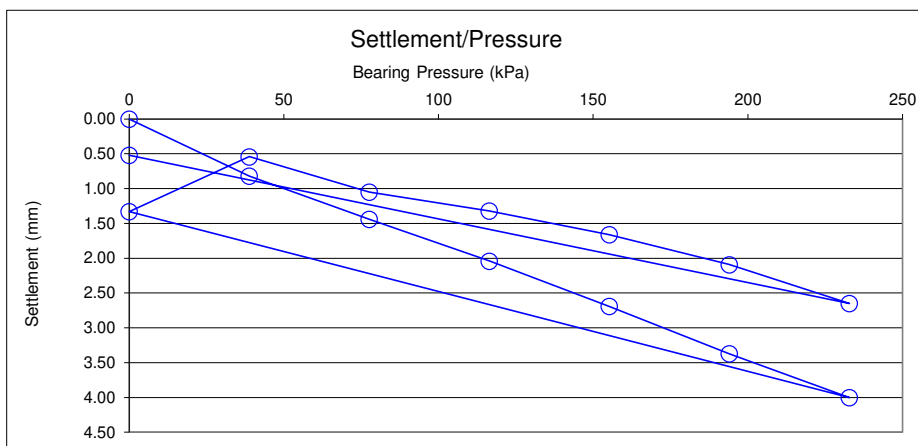
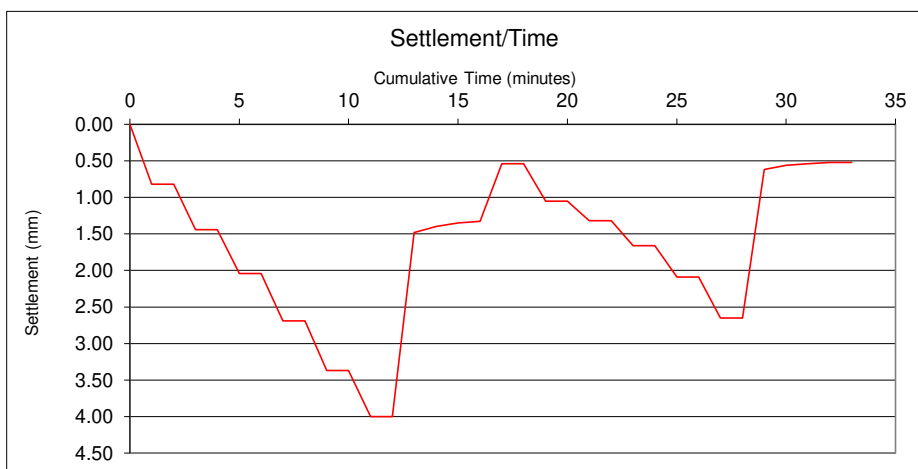


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

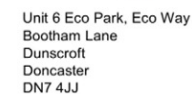
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park

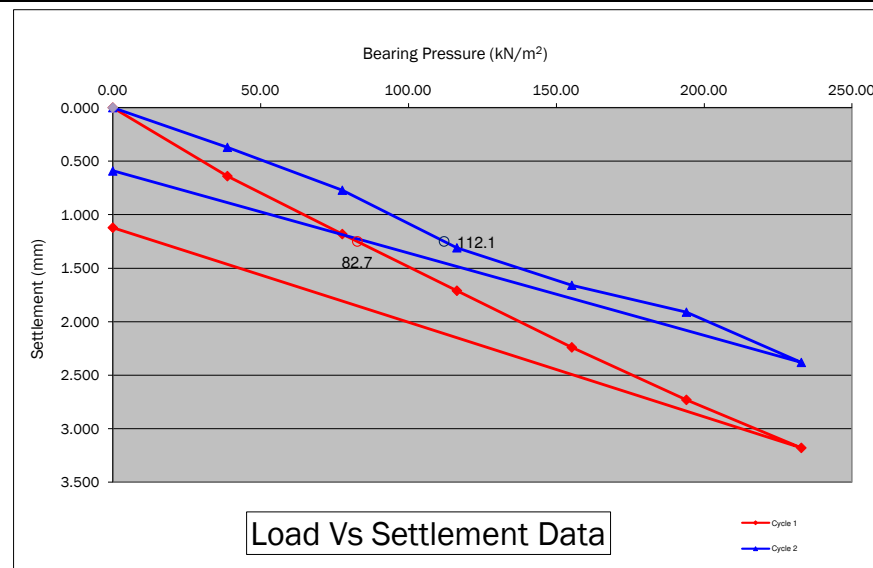


Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.64	38.8	0.37
77.6	1.18	77.6	0.77
116.4	1.71	116.4	1.31
155.2	2.24	155.2	1.66
194.0	2.73	194.0	1.91
232.8	3.18	232.8	2.38
0.0	1.12	0.0	0.59
Recovery %	65		75



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.38	mm	Cycle 1	9.5	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	82.7	kN/m²	Cycle 2	16.0	
Modulus of Subgrade Reaction K762	53.2	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
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Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
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Doncaster
DN7 4JJ

Dove Valley Park

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Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/104B

Clients Reference: C1583/104B

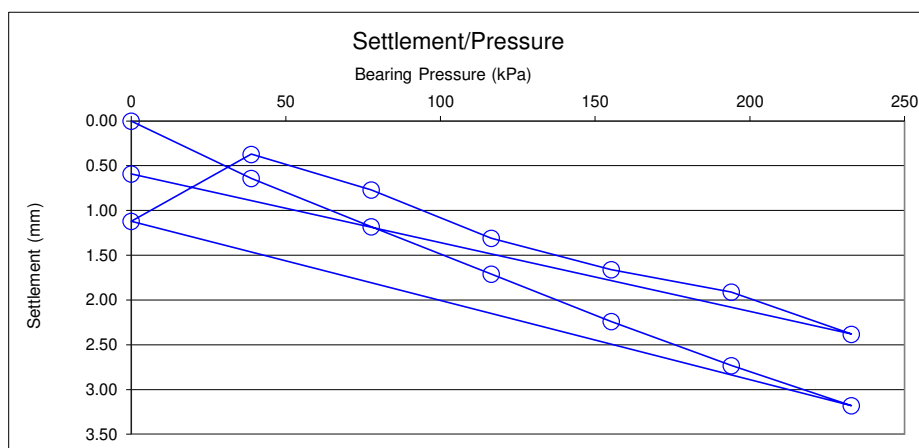
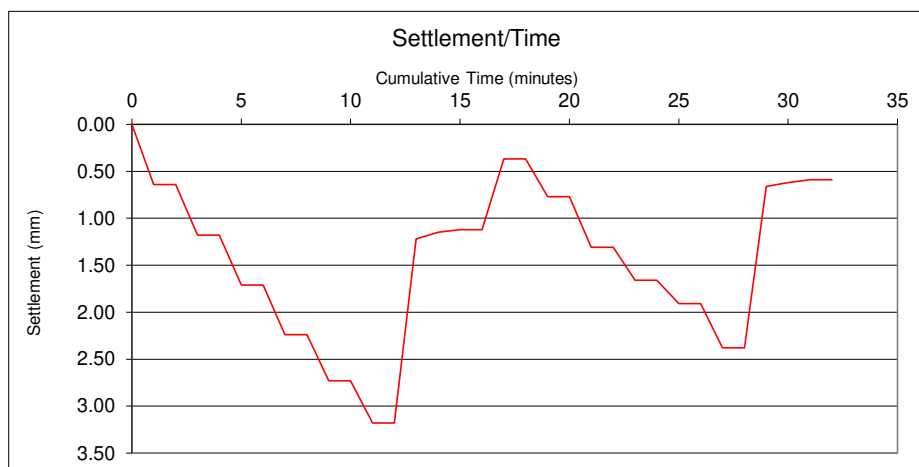
REPORT NO: ETS/23370B

Report Date: 10/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	08/10/2025
Test Location:	X4 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.64
4.0	77.6	1.18
6.0	116.4	1.71
8.0	155.2	2.24
10.0	194.0	2.73
12.0	232.8	3.18
16.0	0.0	1.12
18.0	38.8	0.37
20.0	77.6	0.77
22.0	116.4	1.31
24.0	155.2	1.66
26.0	194.0	1.91
28.0	232.8	2.38
32.0	0.0	0.59



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		33.3
Strain Modulus - Ev ₂ Value (MN/m ²)		56.61
Ev ₂ /Ev ₁	1.70	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **3.18 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

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EV2 Report

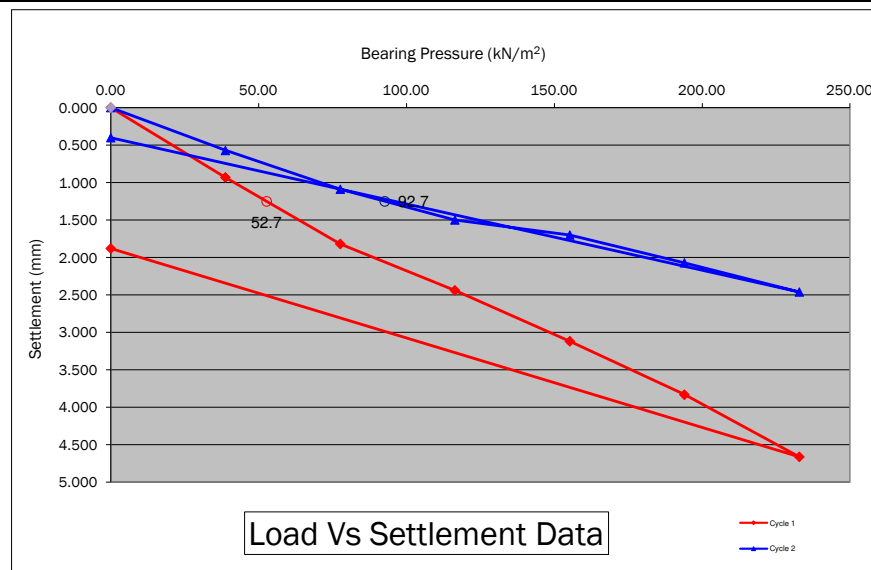
Dove Valley Park



Tel: 0345 2162900

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TEST REPORT

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.46	mm	Cycle 1	4.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	52.7	kN/m²	Cycle 2	11.5	
Modulus of Subgrade Reaction K762	33.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2



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6 Eco Park, Eco Way
Ham Lane
Microft
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4JJ



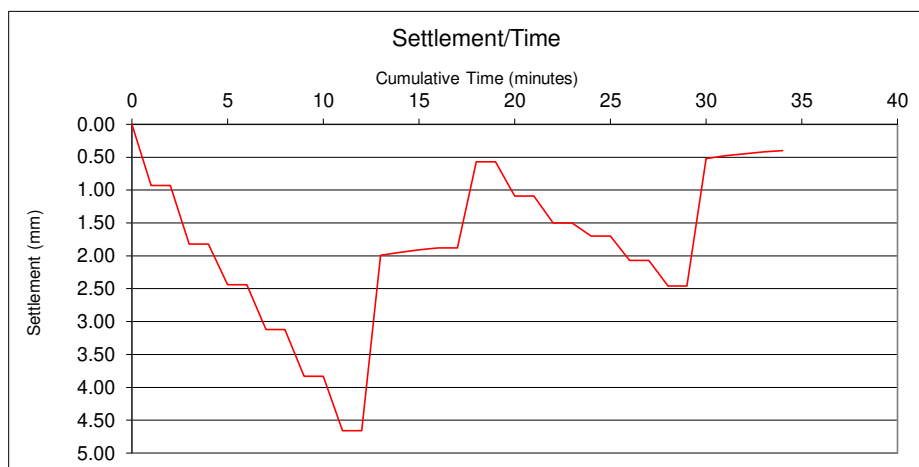
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17572

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Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/104C	REPORT NO: ETS/23370C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/104C	Report Date: 10/10/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	08/10/2025
Test Location:	W6 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.93
4.0	77.6	1.82
6.0	116.4	2.44
8.0	155.2	3.12
10.0	194.0	3.83
12.0	232.8	4.66
17.0	0.0	1.88
19.0	38.8	0.57
21.0	77.6	1.09
23.0	116.4	1.50
25.0	155.2	1.70
27.0	194.0	2.07
29.0	232.8	2.46
34.0	0.0	0.40



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)	24.5	
Strain Modulus - Ev ₂ Value (MN/m ²)	74.09	
Ev ₂ /Ev ₁	3.02	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

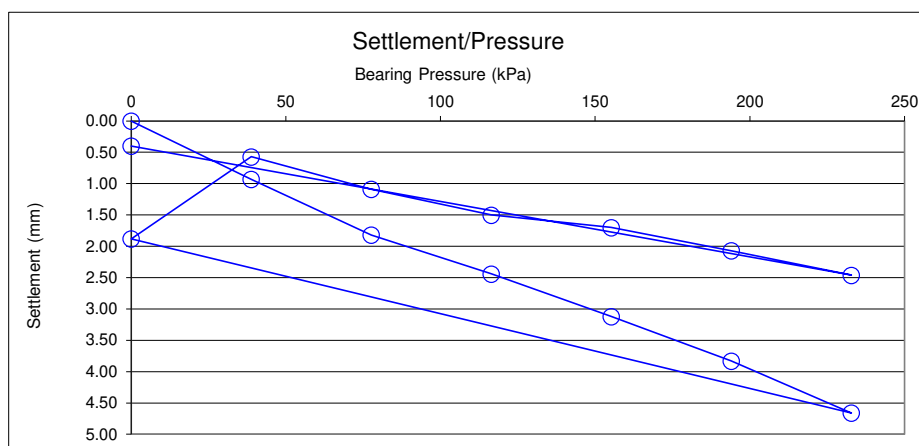


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4.66 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.
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Testing carried out at client's site location.

Notes: 1 - One kPa is equivalent to One kN/m^2

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

Dove Valley Park

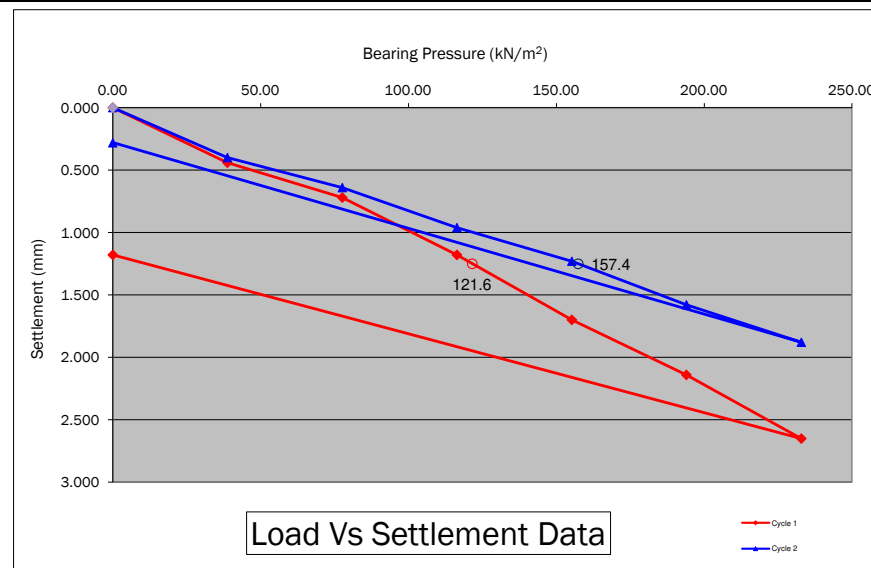


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Plate Loading Test to determine equivalent CBR Value In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Contract Test Reference:	C1583/105	REPORT NO:	ETS/23371
	Clients Reference:	C1583/105	Report Date:	10/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	08/10/2025
Test Location:	AA6 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.88	mm	Cycle 1	18.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	121.6	kN/m²	Cycle 2	28.8	
Modulus of Subgrade Reaction K762	78.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2



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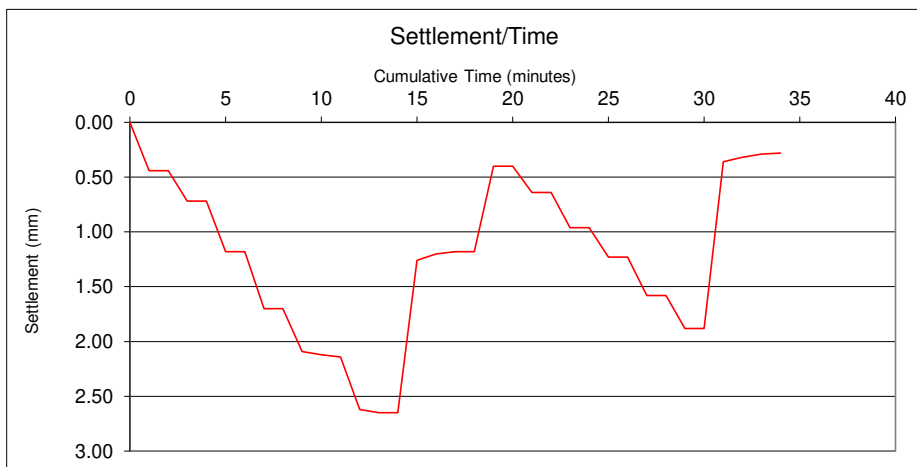
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Determination of Vertical Deformation - Plate Loading Test In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Contract Test Reference: C1583/105	REPORT NO: ETS/23371
	Clients Reference: C1583/105	Report Date: 10/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	08/10/2025
Test Location:	AA6 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.44
4.0	77.6	0.72
6.0	116.4	1.18
8.0	155.2	1.70
11.0	194.0	2.14
14.0	232.8	2.65
18.0	0.0	1.18
20.0	38.8	0.40
22.0	77.6	0.64
24.0	116.4	0.96
26.0	155.2	1.23
28.0	194.0	1.58
30.0	232.8	1.88
34.0	0.0	0.28



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		39.9
Strain Modulus - Ev ₂ Value (MN/m ²)		82.95
Ev ₂ /Ev ₁	2.08	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

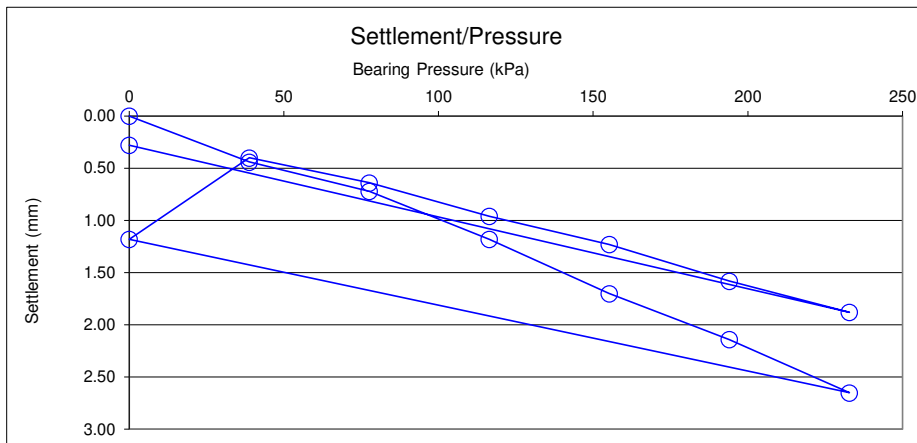


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	2.65 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.
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Testing carried out at client's site location.

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

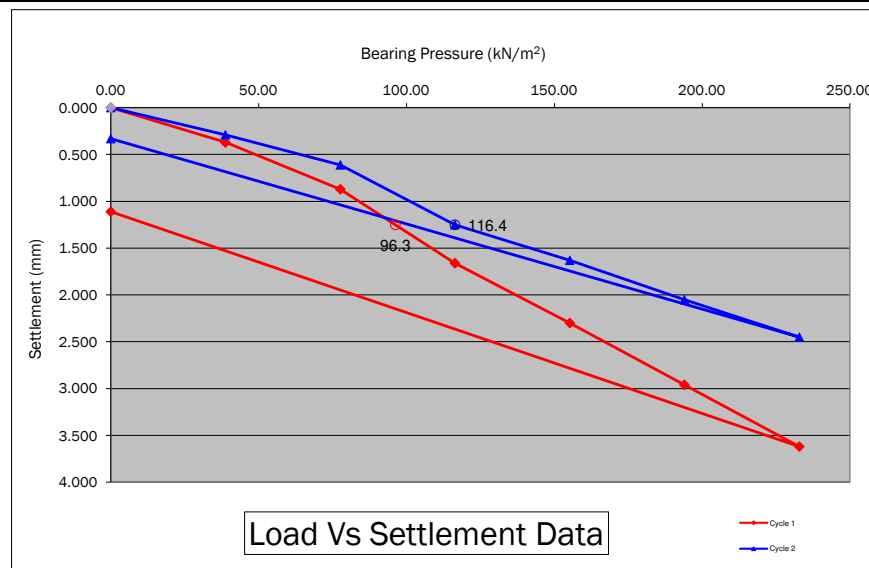
Dove Valley Park

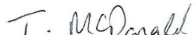


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TEST REPORT

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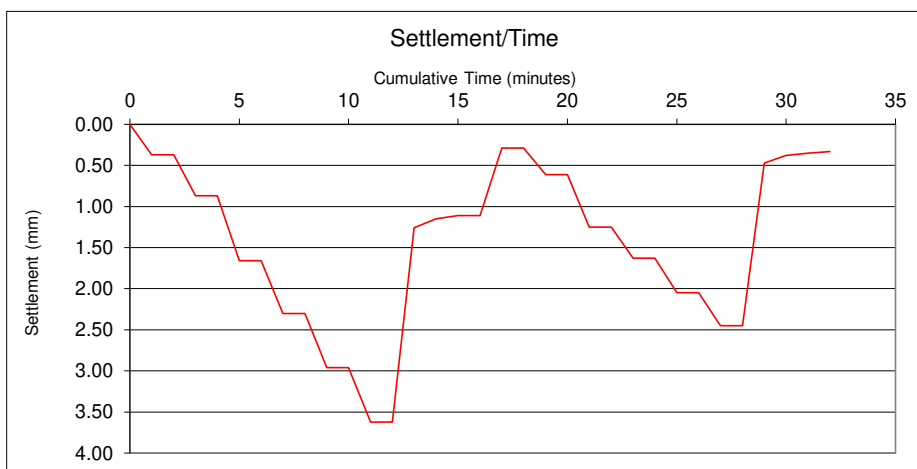
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.45	mm	Cycle 1	12.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	96.3	kN/m²	Cycle 2	17.1	
Modulus of Subgrade Reaction K762	62.0	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Determination of Vertical Deformation - Plate Loading Test In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Contract Test Reference: C1583/112A Clients Reference: C1583/112A	REPORT NO: ETS/23391A Report Date: 11/10/2025
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Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	Q6 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.37
4.0	77.6	0.87
6.0	116.4	1.66
8.0	155.2	2.30
10.0	194.0	2.96
12.0	232.8	3.62
16.0	0.0	1.11
18.0	38.8	0.29
20.0	77.6	0.61
22.0	116.4	1.25
24.0	155.2	1.63
26.0	194.0	2.05
28.0	232.8	2.45
32.0	0.0	0.33



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		26.1
Strain Modulus - Ev ₂ Value (MN/m ²)		50.65
Ev ₂ /Ev ₁	1.94	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

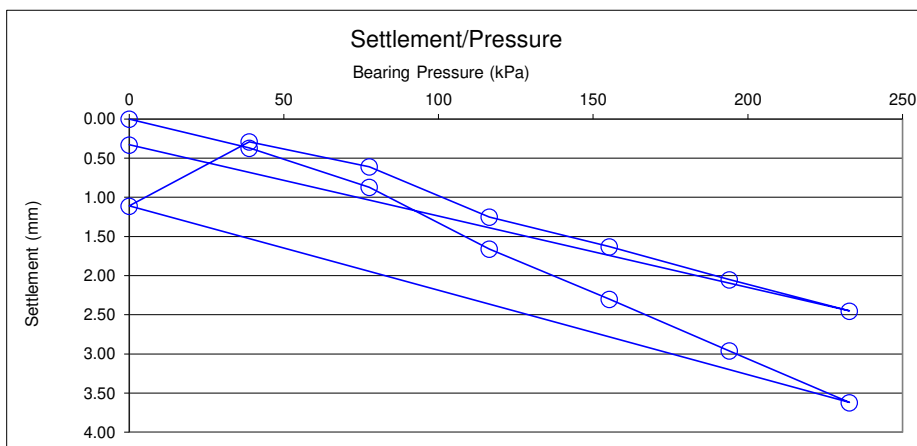


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.62 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.
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Testing carried out at client's site location.

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

Dove Valley Park

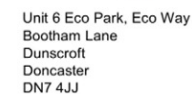


Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:	C1583/112B
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C1583/112B

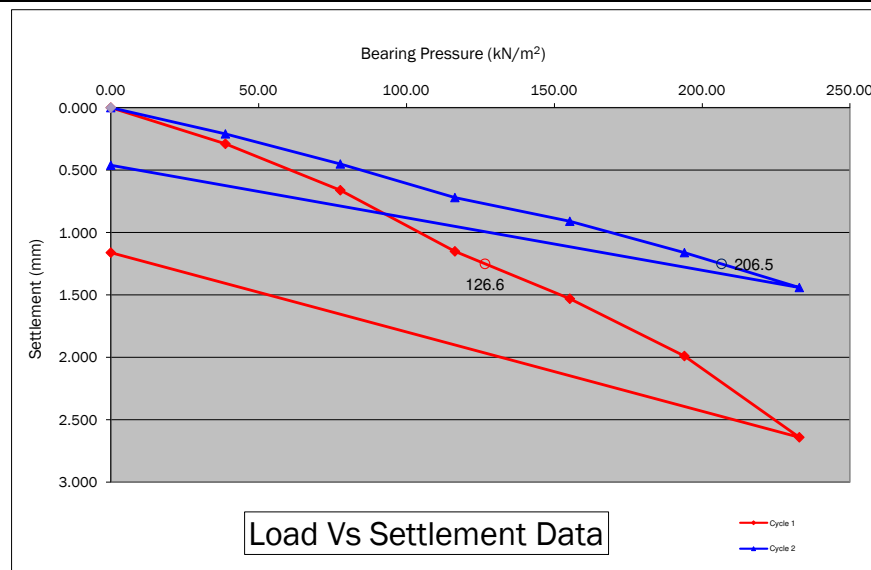
REPORT NO:	ETS/23391B
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Report Date:	11/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	S6 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.29	38.8	0.21
77.6	0.66	77.6	0.45
116.4	1.15	116.4	0.72
155.2	1.53	155.2	0.91
194.0	1.99	194.0	1.16
232.8	2.64	232.8	1.44
0.0	1.16	0.0	0.46
Recovery %	56		68



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.44	mm	Cycle 1	19.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	126.6	kN/m²	Cycle 2	46.2	
Modulus of Subgrade Reaction K762	81.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

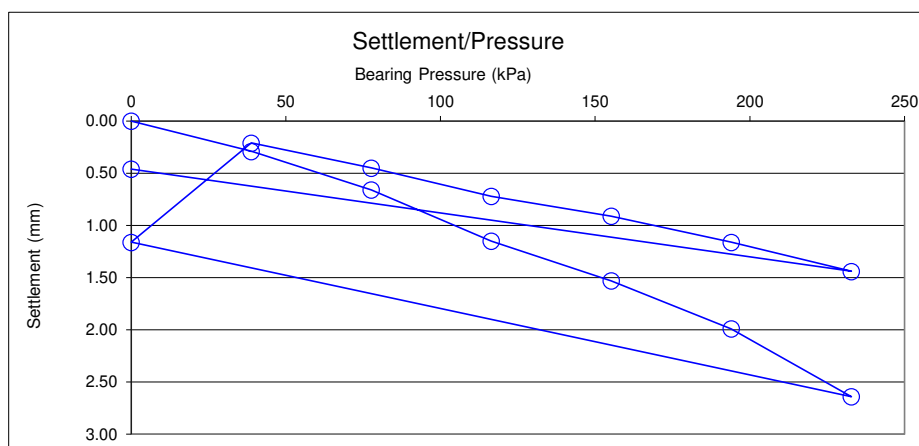
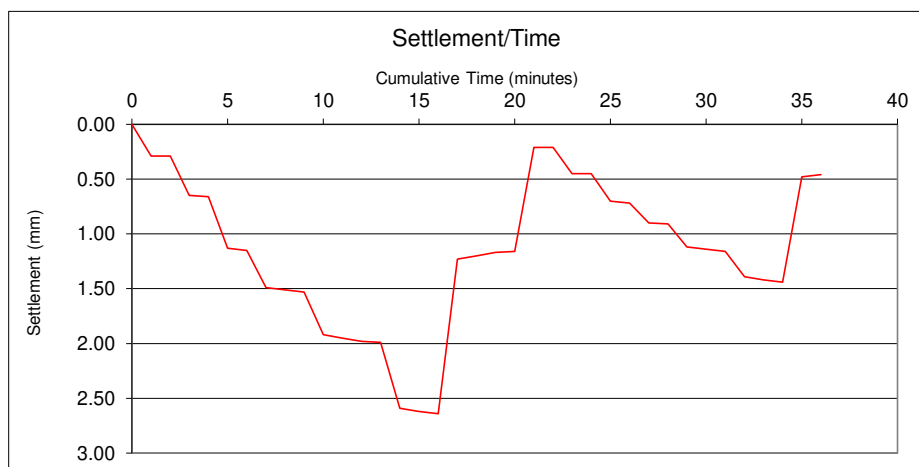
Tel: 0345 2162900
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/112B	REPORT NO: ETS/23391B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/112B	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	S6 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.29
4.0	77.6	0.66
6.0	116.4	1.15
9.0	155.2	1.53
13.0	194.0	1.99
16.0	232.8	2.64
20.0	0.0	1.16
22.0	38.8	0.21
24.0	77.6	0.45
26.0	116.4	0.72
28.0	155.2	0.91
31.0	194.0	1.16
34.0	232.8	1.44
36.0	0.0	0.46



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		41.3
Strain Modulus - Ev ₂ Value (MN/m ²)		123.74
Ev ₂ /Ev ₁	3.00	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **2.64 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

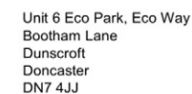
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** End of report **

Page 1 of 1

EV2 Report

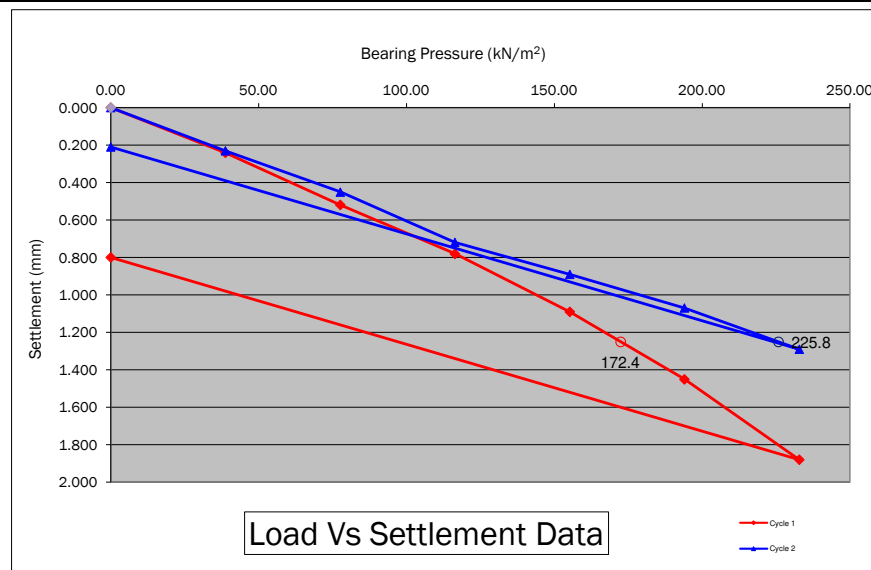
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TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.24	38.8	0.23
77.6	0.52	77.6	0.45
116.4	0.78	116.4	0.72
155.2	1.09	155.2	0.89
194.0	1.45	194.0	1.07
232.8	1.88	232.8	1.29
0.0	0.80	0.0	0.21
Recovery %	57		84



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.29	mm	Cycle 1	33.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	172.4	kN/m²	Cycle 2	53.9	
Modulus of Subgrade Reaction K762	110.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		



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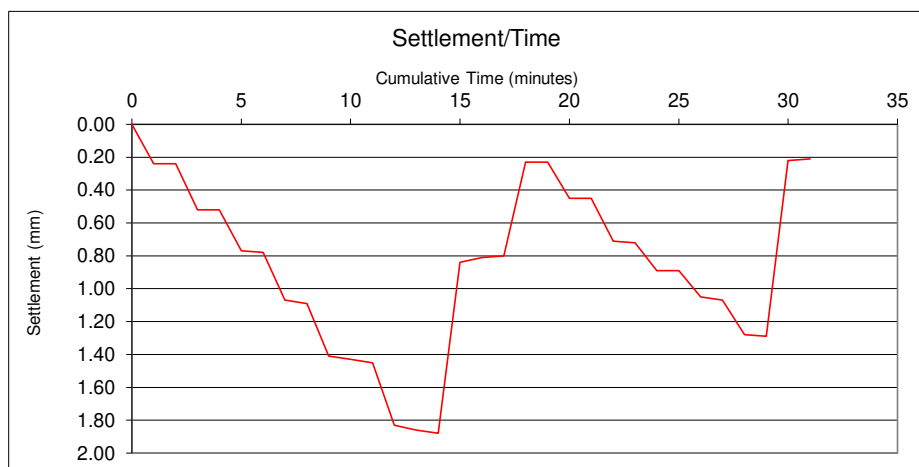


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Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/112C	REPORT NO: ETS/23391C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/112C	Report Date: 11/10/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	U6 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		59.3
Strain Modulus - Ev ₂ Value (MN/m ²)		117.67
Ev ₂ /Ev ₁	1.98	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

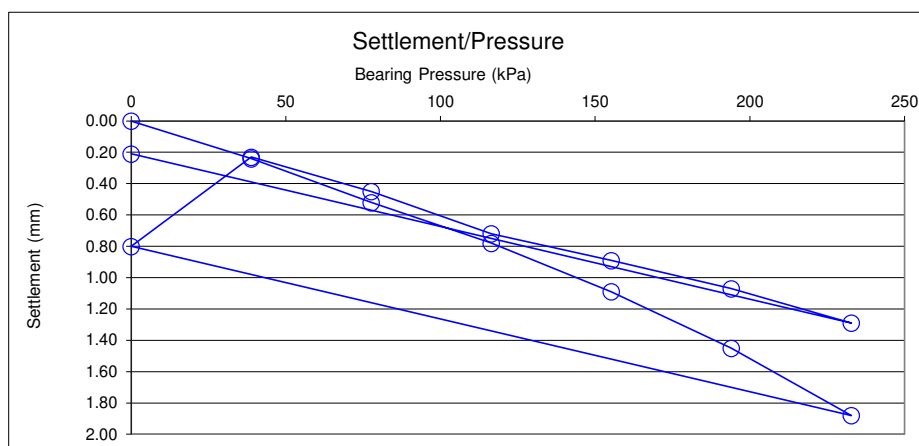


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	1.88 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

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Testing carried out at client's site location.

Notes: 1 - One kPa is equivalent to One kN/m^2

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

Dove Valley Park

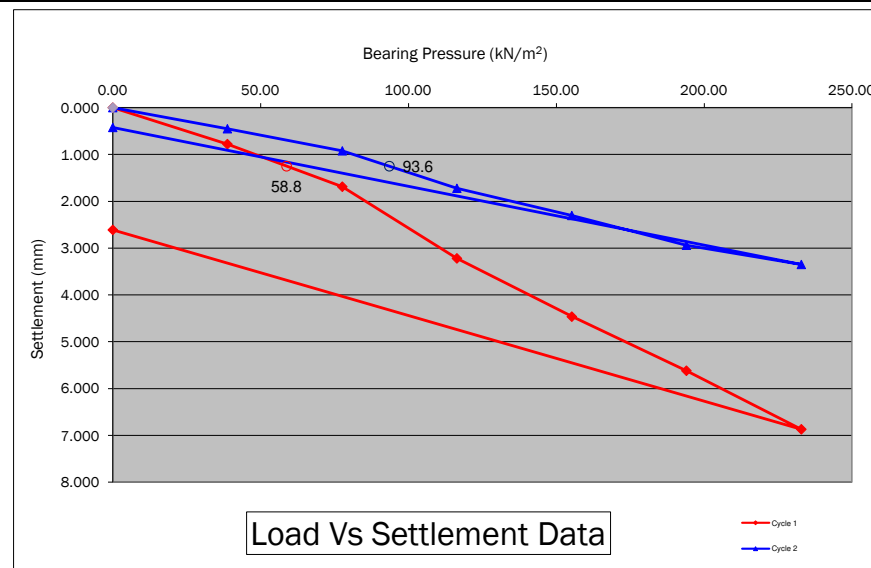
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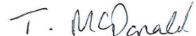
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Plate Loading Test to determine equivalent CBR Value In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Contract Test Reference: C1583/112D Clients Reference: C1583/112D	REPORT NO: ETS/23391D Report Date: 11/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	S4 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	3.35	mm	Cycle 1	5.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	58.8	kN/m²	Cycle 2	11.7	
Modulus of Subgrade Reaction K762	37.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		



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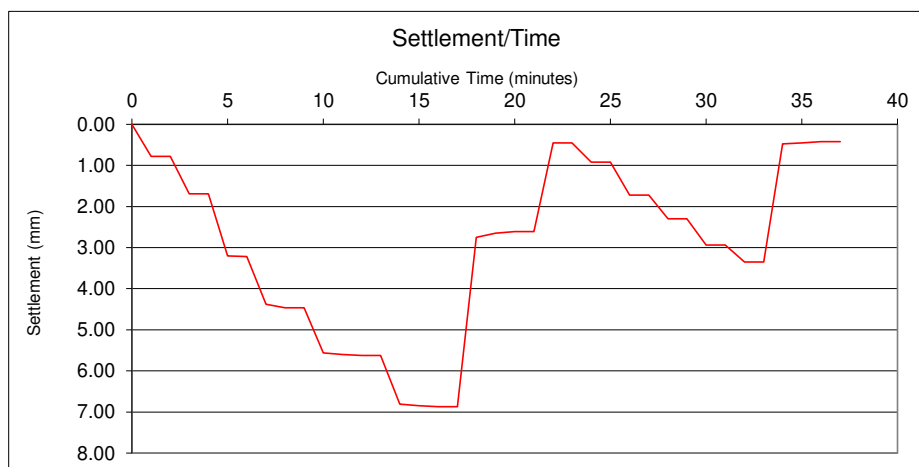
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TESTING
17572

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Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Contract Test Reference: C1583/112D	REPORT NO: ETS/23391D
	Clients Reference: C1583/112D	Report Date: 11/10/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	S4 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.78
4.0	77.6	1.69
6.0	116.4	3.22
9.0	155.2	4.46
13.0	194.0	5.62
17.0	232.8	6.87
21.0	0.0	2.61
23.0	38.8	0.45
25.0	77.6	0.92
27.0	116.4	1.72
29.0	155.2	2.30
31.0	194.0	2.94
33.0	232.8	3.35
37.0	0.0	0.42



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)	13.9	
Strain Modulus - Ev ₂ Value (MN/m ²)	44.44	
Ev ₂ /Ev ₁	3.19	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

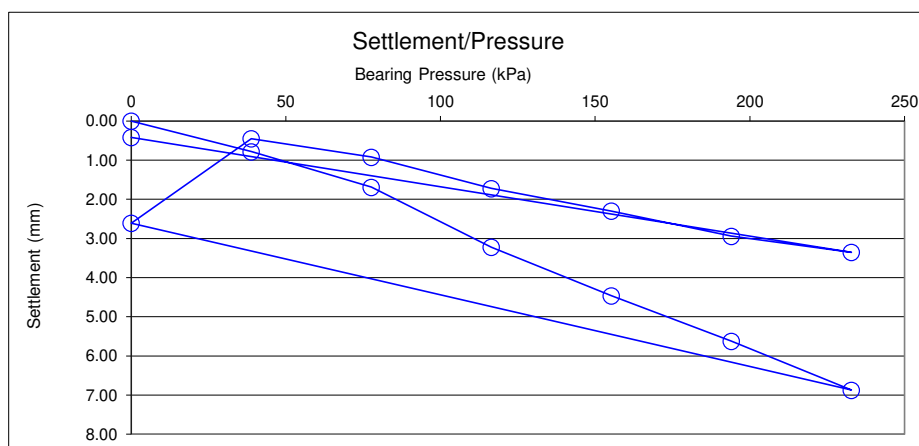


Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	6.87 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.
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Testing carried out at client's site location.

Notes: 1 - One kPa is equivalent to One kN/m^2

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

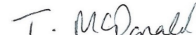
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TEST REPORT

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.43	mm	Cycle 1	6.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	67.4	kN/m²	Cycle 2	16.7	
Modulus of Subgrade Reaction K762	43.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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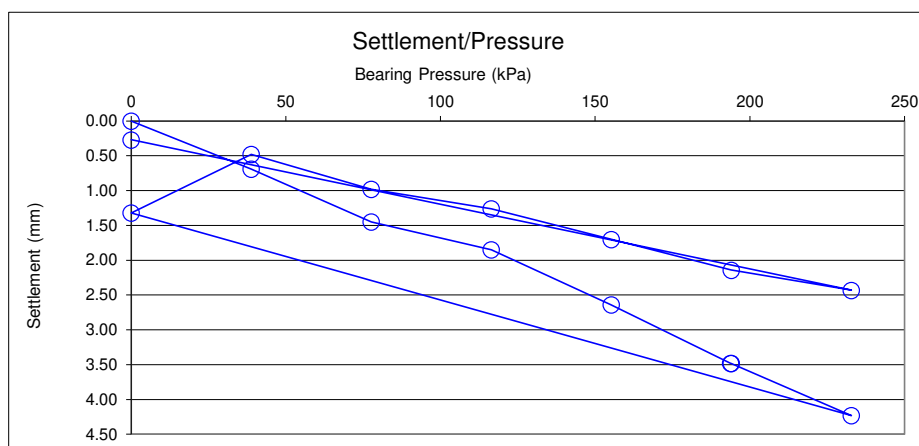
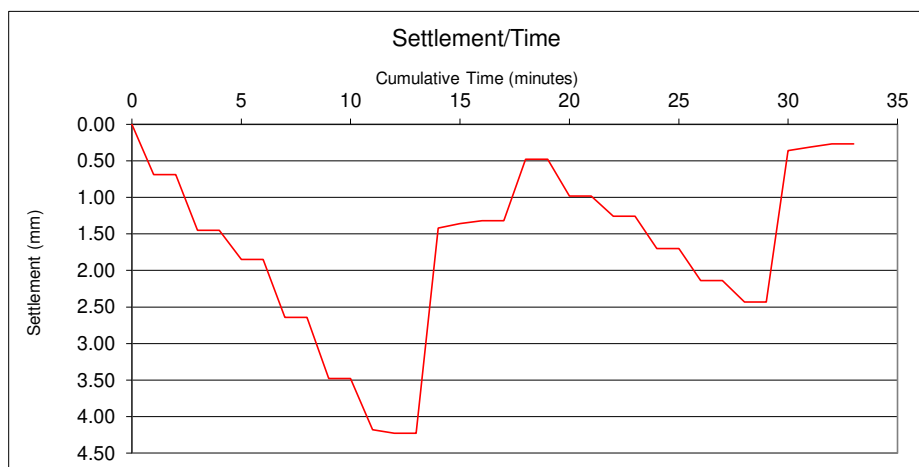
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Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/112E	REPORT NO: ETS/23391E
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/112E	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	09/10/2025
Test Location:	U4 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.69
4.0	77.6	1.45
6.0	116.4	1.85
8.0	155.2	2.64
9.0	193.8	3.48
10.0	194.0	3.48
13.0	232.8	4.23
17.0	0.0	1.32
19.0	38.8	0.48
21.0	77.6	0.98
23.0	116.4	1.26
25.0	155.2	1.70
27.0	194.0	2.14
29.0	232.8	2.43
33.0	0.0	0.27



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		26.3
Strain Modulus - Ev ₂ Value (MN/m ²)		58.13
Ev ₂ /Ev ₁	2.21	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **4.23 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

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** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



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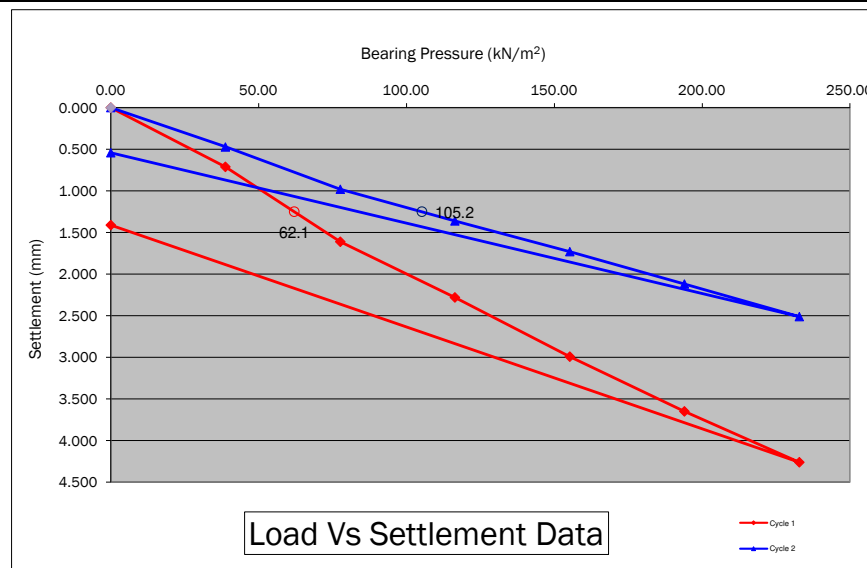
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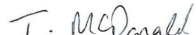
Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/113A	REPORT NO:	ETS/23392A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/113A	Report Date:	11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AA5 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.71	38.8	0.47
77.6	1.61	77.6	0.98
116.4	2.28	116.4	1.36
155.2	2.99	155.2	1.73
194.0	3.65	194.0	2.12
232.8	4.26	232.8	2.51
0.0	1.41	0.0	0.54
Recovery %	67		79



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.51	mm	Cycle 1	5.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	62.1	kN/m²	Cycle 2	14.3	
Modulus of Subgrade Reaction K762	40.0	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

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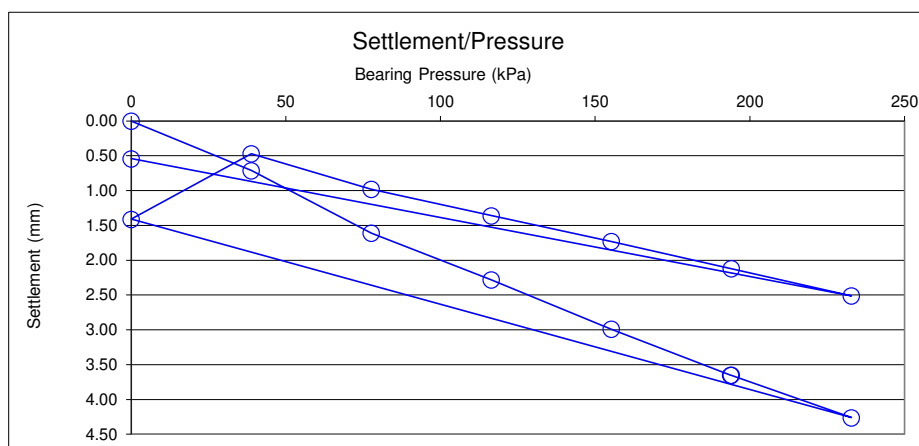
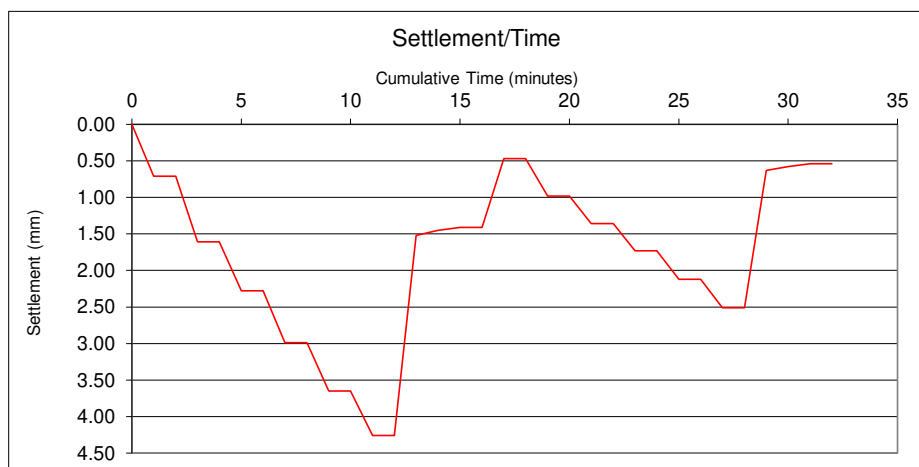
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/113A	REPORT NO: ETS/23392A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/113A	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AA5 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.71
4.0	77.6	1.61
6.0	116.4	2.28
8.0	155.2	2.99
9.0	193.8	3.65
10.0	194.0	3.65
12.0	232.8	4.26
16.0	0.0	1.41
18.0	38.8	0.47
20.0	77.6	0.98
22.0	116.4	1.36
24.0	155.2	1.73
26.0	194.0	2.12
28.0	232.8	2.51
32.0	0.0	0.54



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		24.1
Strain Modulus - Ev ₂ Value (MN/m ²)		58.19
Ev ₂ /Ev ₁	2.42	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **4.26 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park

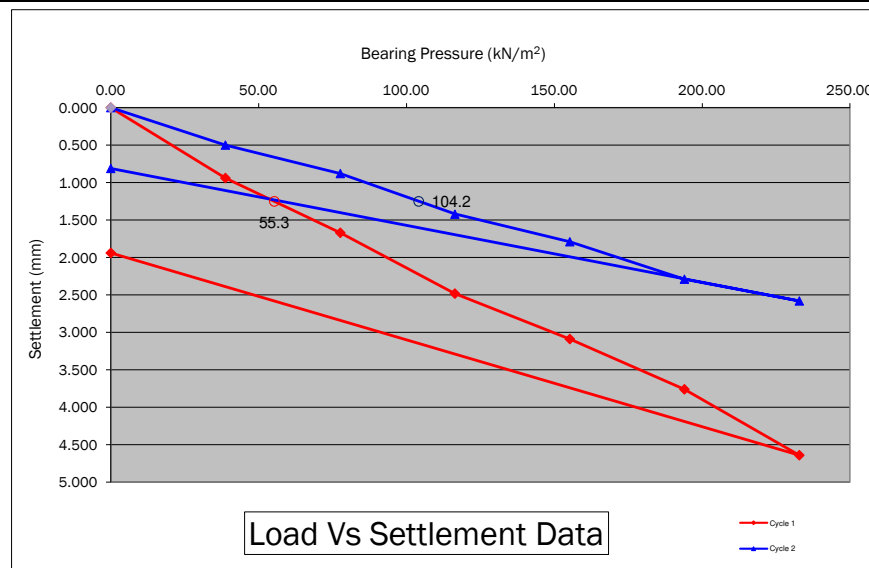


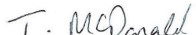
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TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.94	38.8	0.50
77.6	1.67	77.6	0.88
116.4	2.48	116.4	1.42
155.2	3.09	155.2	1.79
194.0	3.76	194.0	2.29
232.8	4.64	232.8	2.58
0.0	1.94	0.0	0.81
Recovery %	58		69



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.58	mm	Cycle 1	4.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	55.3	kN/m²	Cycle 2	14.1	
Modulus of Subgrade Reaction K762	35.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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CBR REPORT - Cycle 1 & 2

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Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/113B

Clients Reference: C1583/113B

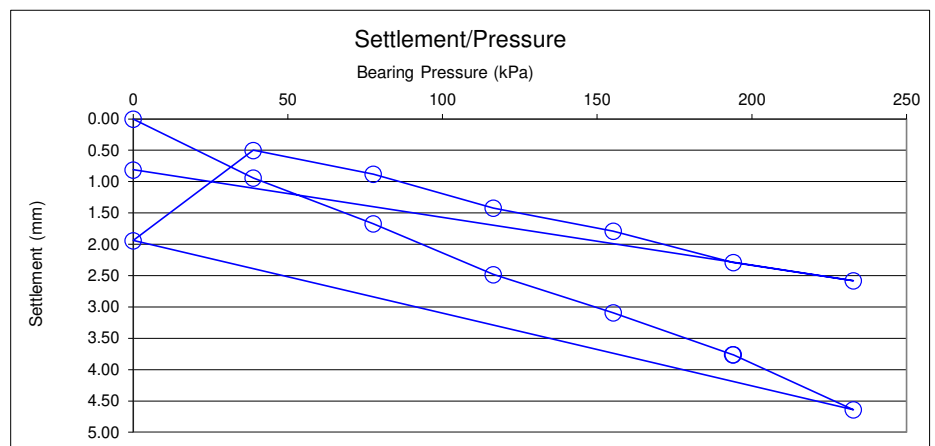
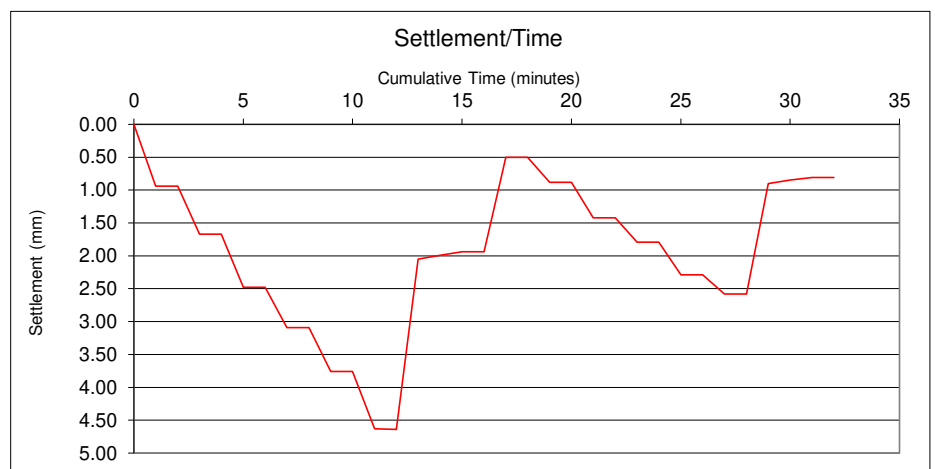
REPORT NO: ETS/23392B

Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	Z10 Layer 10	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.94
4.0	77.6	1.67
6.0	116.4	2.48
8.0	155.2	3.09
9.0	193.8	3.76
10.0	194.0	3.76
12.0	232.8	4.64
16.0	0.0	1.94
18.0	38.8	0.50
20.0	77.6	0.88
22.0	116.4	1.42
24.0	155.2	1.79
26.0	194.0	2.29
28.0	232.8	2.58
32.0	0.0	0.81



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		24.3
Strain Modulus - Ev ₂ Value (MN/m ²)		60.90
Ev ₂ /Ev ₁	2.50	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **4.64 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

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EV2 Report

Dove Valley Park



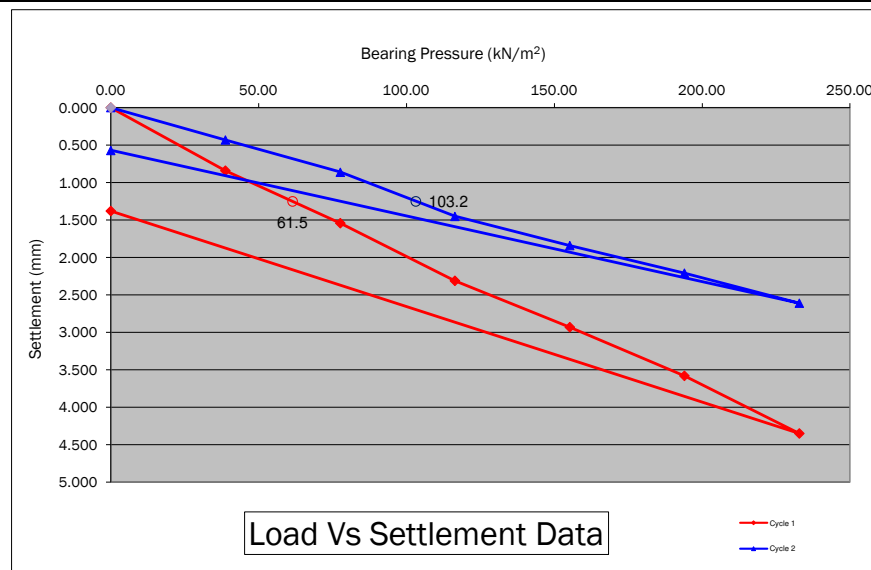
Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Contract Test Reference: C1583/113C Clients Reference: C1583/113C	REPORT NO: ETS/23392C Report Date: 11/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	Z11 Layer 10	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.61	mm	Cycle 1	5.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	61.5	kN/m²	Cycle 2	13.9	
Modulus of Subgrade Reaction K762	39.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

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Tel: 0345 2162900

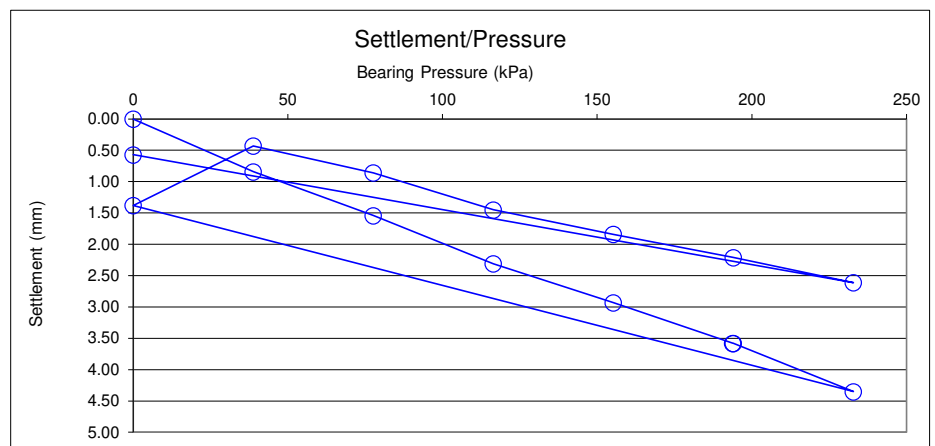
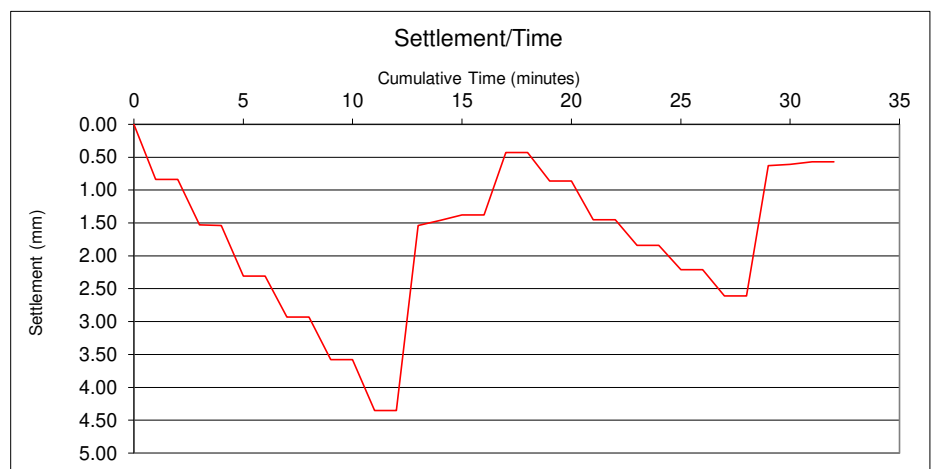
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/113C	REPORT NO: ETS/23392C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/113C	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	Z11 Layer 10	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.84
4.0	77.6	1.54
6.0	116.4	2.31
8.0	155.2	2.93
9.0	193.8	3.58
10.0	194.0	3.58
12.0	232.8	4.35
16.0	0.0	1.38
18.0	38.8	0.43
20.0	77.6	0.86
22.0	116.4	1.45
24.0	155.2	1.84
26.0	194.0	2.21
28.0	232.8	2.61
32.0	0.0	0.57



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		25.1
Strain Modulus - Ev ₂ Value (MN/m ²)		51.96
Ev ₂ /Ev ₁	2.07	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **4.35 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

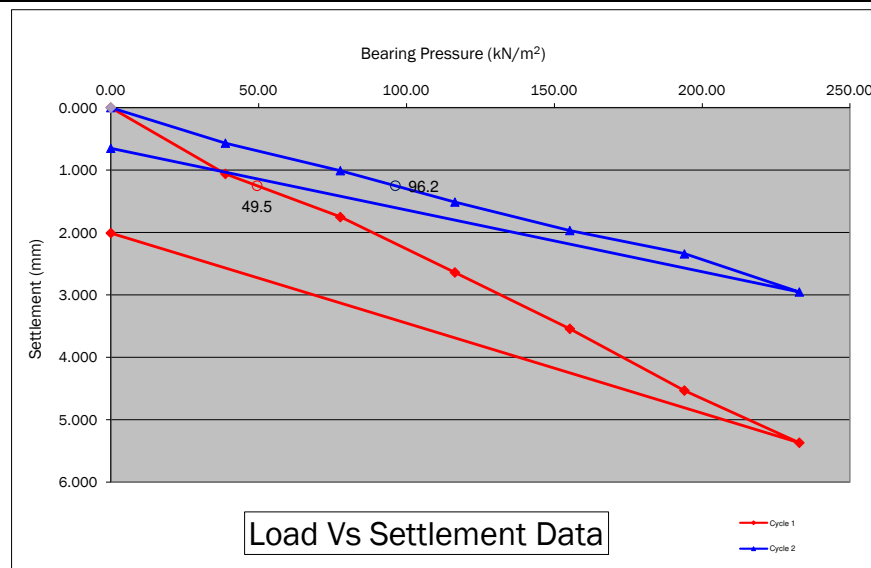
Dove Valley Park



Tel: 0345 2162900
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Contract Test Reference: C1583/113D Clients Reference: C1583/113D	REPORT NO: ETS/23392D Report Date: 11/10/2025
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Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AB10 Layer 15	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	2.95	mm	Cycle 1	3.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	49.5	kN/m²	Cycle 2	12.3	
Modulus of Subgrade Reaction K762	31.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/113D

Clients Reference: C1583/113D

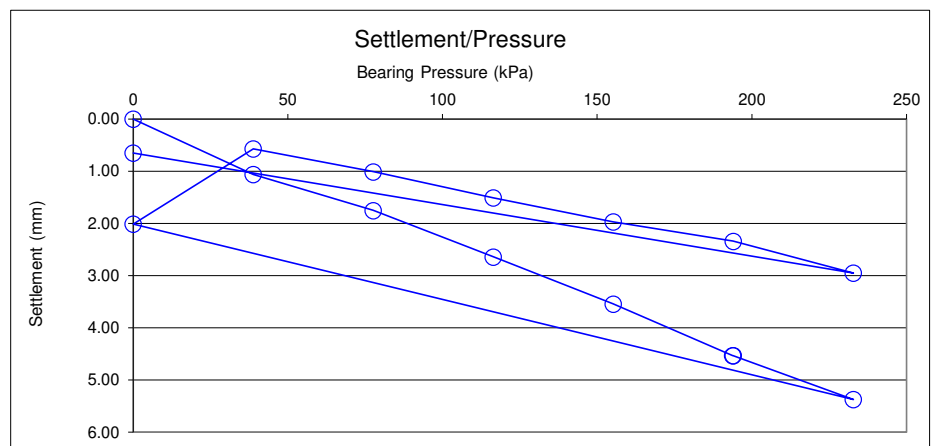
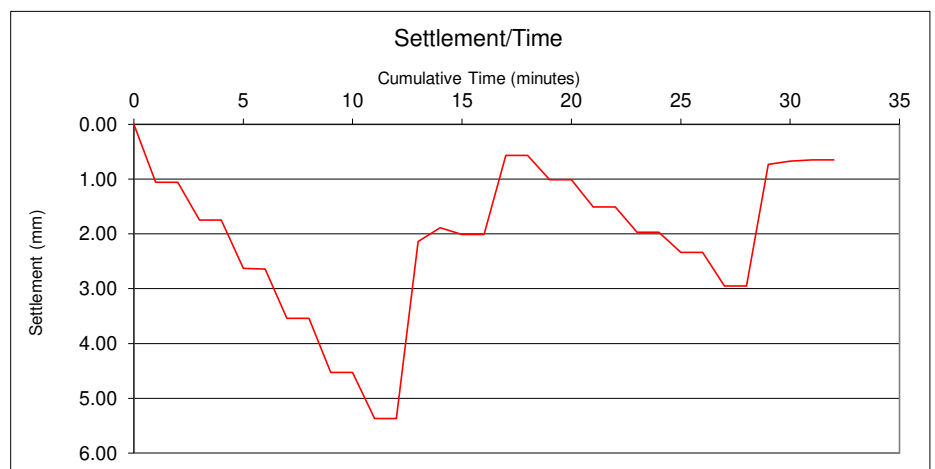
REPORT NO: ETS/23392D

Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AB10 Layer 15	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	1.06
4.0	77.6	1.75
6.0	116.4	2.64
8.0	155.2	3.54
9.0	193.8	4.53
10.0	194.0	4.53
12.0	232.8	5.37
16.0	0.0	2.01
18.0	38.8	0.57
20.0	77.6	1.01
22.0	116.4	1.51
24.0	155.2	1.97
26.0	194.0	2.34
28.0	232.8	2.95
32.0	0.0	0.65



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		20.0
Strain Modulus - Ev ₂ Value (MN/m ²)		56.15
Ev ₂ /Ev ₁	2.80	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **5.37 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

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EV2 Report

Dove Valley Park

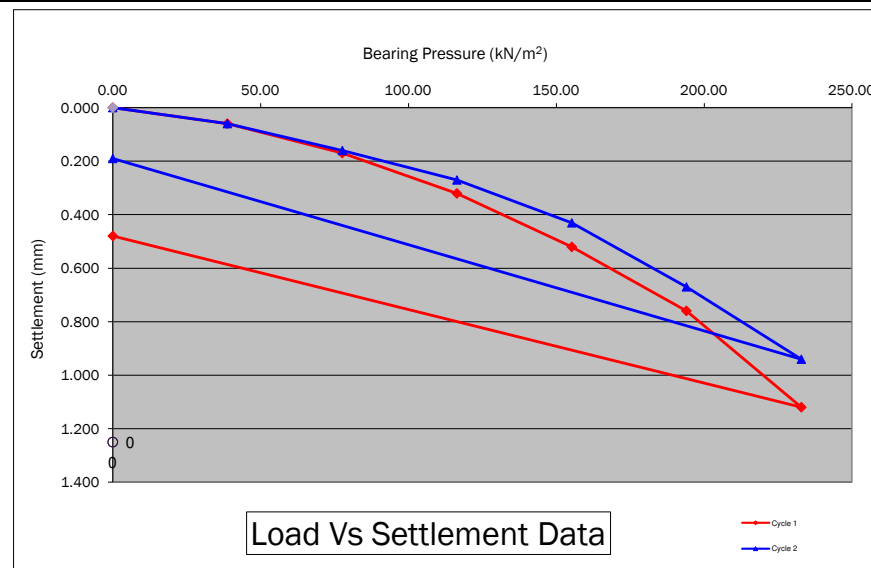


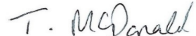
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Email: ops@earthworkstesting.co.uk

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.06	38.8	0.06
77.6	0.17	77.6	0.16
116.4	0.32	116.4	0.27
155.2	0.52	155.2	0.43
194.0	0.76	194.0	0.67
232.8	1.12	232.8	0.94
0.0	0.48	0.0	0.19
Recovery %	57		80



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	0.94	mm	Cycle 1	>56.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	>232.8	kN/m²	Cycle 2	>56.8	
Modulus of Subgrade Reaction K762	>149.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

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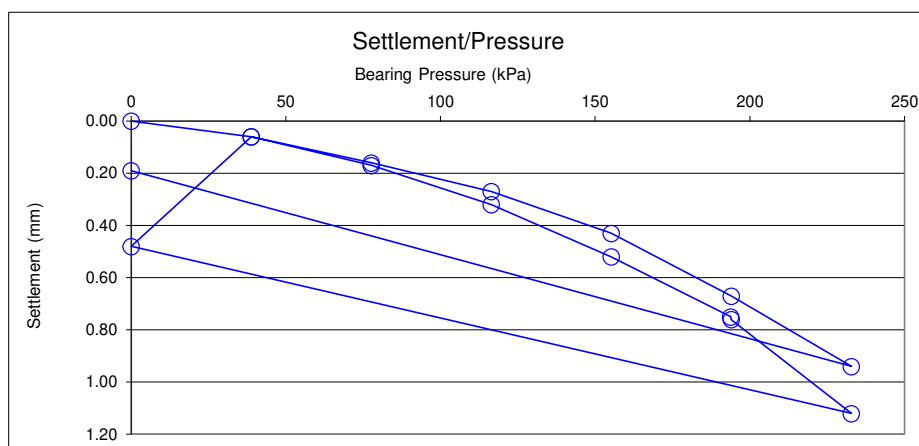
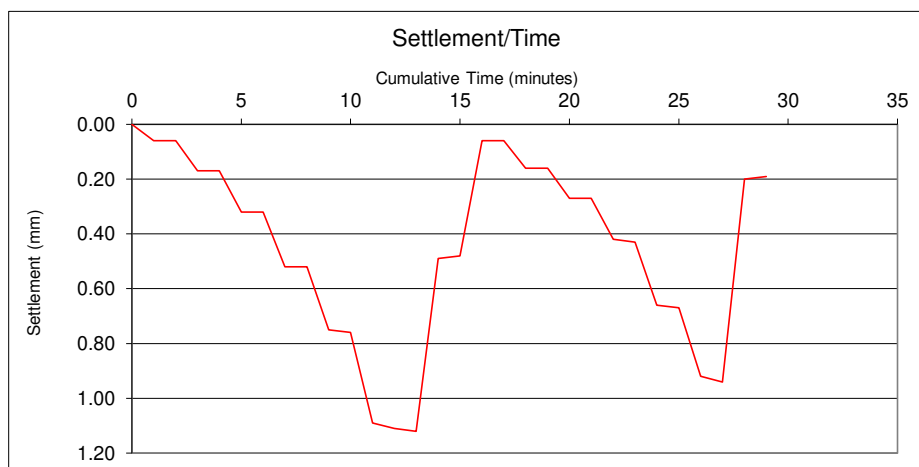
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/113E	REPORT NO: ETS/23392E
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/113E	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AA6 Layer 10	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.06
4.0	77.6	0.17
6.0	116.4	0.32
8.0	155.2	0.52
9.0	193.8	0.75
10.0	194.0	0.76
13.0	232.8	1.12
15.0	0.0	0.48
17.0	38.8	0.06
19.0	77.6	0.16
21.0	116.4	0.27
23.0	155.2	0.43
25.0	194.0	0.67
27.0	232.8	0.94
29.0	0.0	0.19



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		99.2
Strain Modulus - Ev ₂ Value (MN/m ²)		155.35
Ev ₂ /Ev ₁		1.57

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **1.12 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report



Email: ops@earthworkstesting.co.uk

ETS/23392F

11/10/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	ABB Layer 15	Supplier/Source:	Ex-Site
Weather	Overcast		

Load Vs Settlement Data

Bearing Pressure (kN/m ²)	Settlement (mm) - Cycle 1	Settlement (mm) - Cycle 2
0.00	0.500	0.220
50.00	0.600	0.320
100.00	0.700	0.420
150.00	0.800	0.520
200.00	0.900	0.620
250.00	1.000	0.720

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	0.72	mm	Cycle 1	>56.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	>232.8	kN/m²	Cycle 2	>56.8	
Modulus of Subgrade Reaction K762	>149.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Tel: 0345 2162900

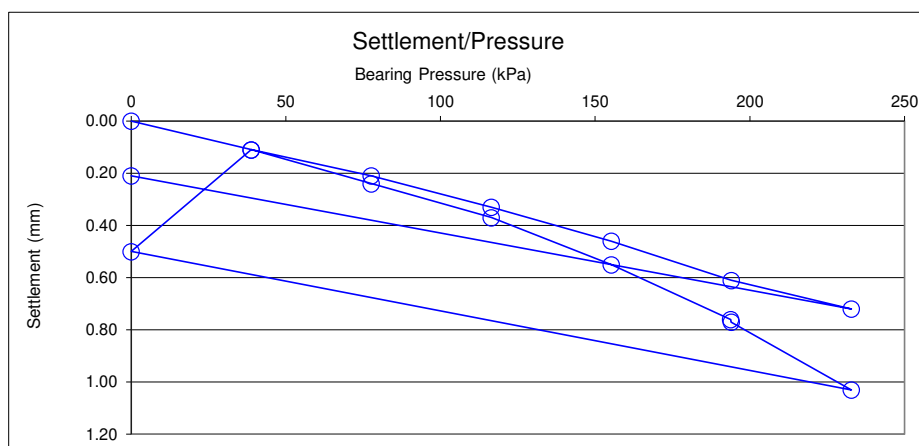
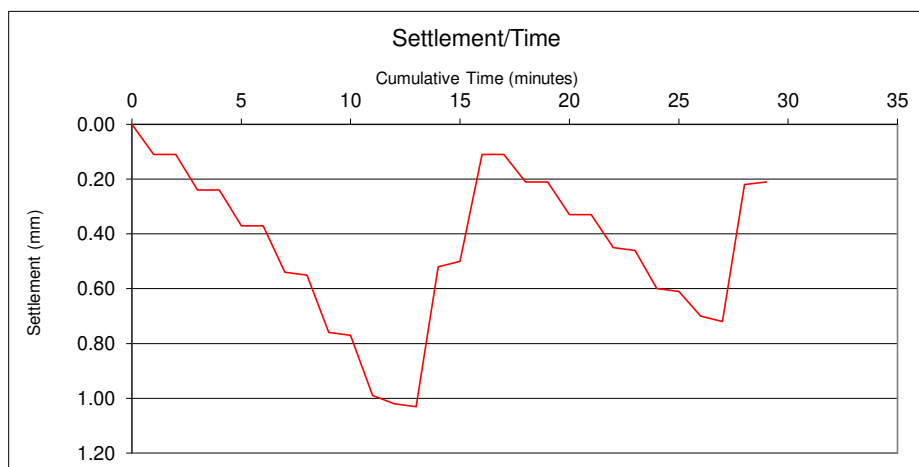
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/113F	REPORT NO: ETS/23392F
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/113F	Report Date: 11/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	09/10/2025
Test Location:	AB8 Layer 15	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.11
4.0	77.6	0.24
6.0	116.4	0.37
8.0	155.2	0.55
9.0	193.8	0.76
10.0	194.0	0.77
13.0	232.8	1.03
15.0	0.0	0.50
17.0	38.8	0.11
19.0	77.6	0.21
21.0	116.4	0.33
23.0	155.2	0.46
25.0	194.0	0.61
27.0	232.8	0.72
29.0	0.0	0.21



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		108.7
Strain Modulus - Ev ₂ Value (MN/m ²)		216.19
Ev ₂ /Ev ₁		1.99

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **1.03 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

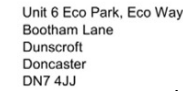
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/136A

REPORT NO:

ETS/23557A

Clients Reference:

C1583/136A

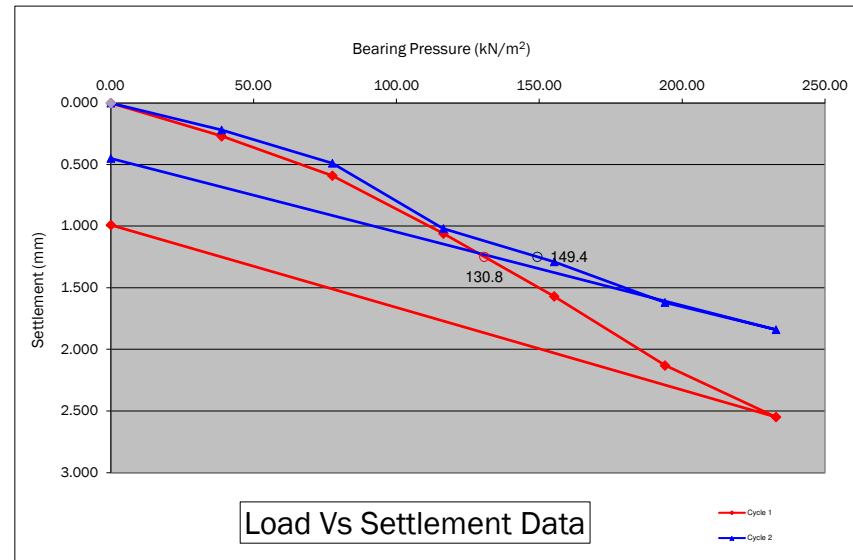
Report Date:

15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	AB5 Layer 10 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.27	38.8	0.22
77.6	0.59	77.6	0.49
116.4	1.06	116.4	1.02
155.2	1.57	155.2	1.29
194.0	2.13	194.0	1.62
232.8	2.55	232.8	1.84
0.0	0.99	0.0	0.45
Recovery %	61		76



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.84	mm	Cycle 1	20.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	130.8	kN/m ²	Cycle 2	26.3	
Modulus of Subgrade Reaction K762	84.2	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

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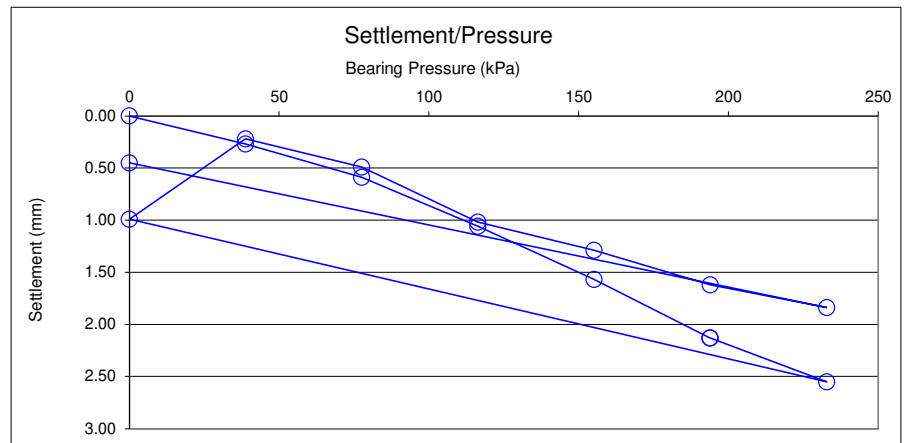
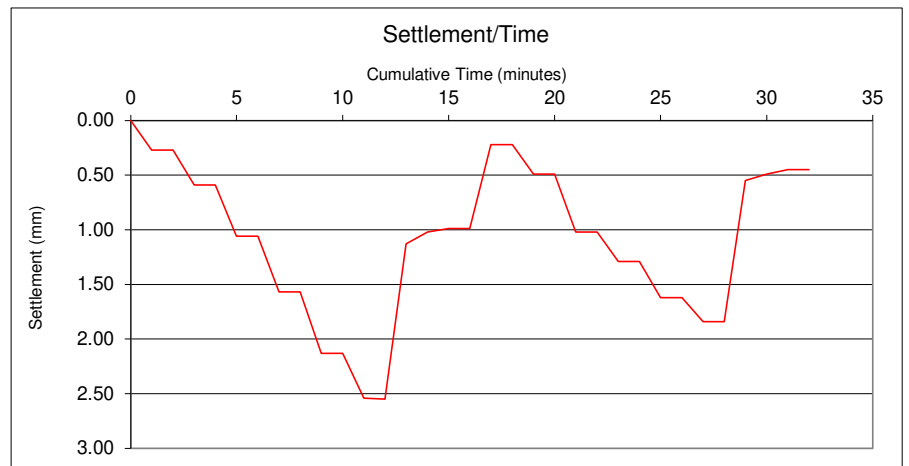
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/136A	REPORT NO: ETS/23557A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/136A	Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	AB5 Layer 10 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.27
4.0	77.6	0.59
6.0	116.4	1.06
8.0	155.2	1.57
9.0	193.8	2.13
10.0	194.0	2.13
12.0	232.8	2.55
16.0	0.0	0.99
18.0	38.8	0.22
20.0	77.6	0.49
22.0	116.4	1.02
24.0	155.2	1.29
26.0	194.0	1.62
28.0	232.8	1.84
32.0	0.0	0.45



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		37.4
Strain Modulus - Ev ₂ Value (MN/m ²)		68.07
Ev ₂ /Ev ₁	1.82	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	2.55 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

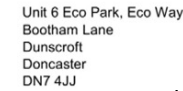
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** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

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Contract Test Reference:

C1583/136B

REPORT NO:

ETS/23557B

Clients Reference:

C1583/136B

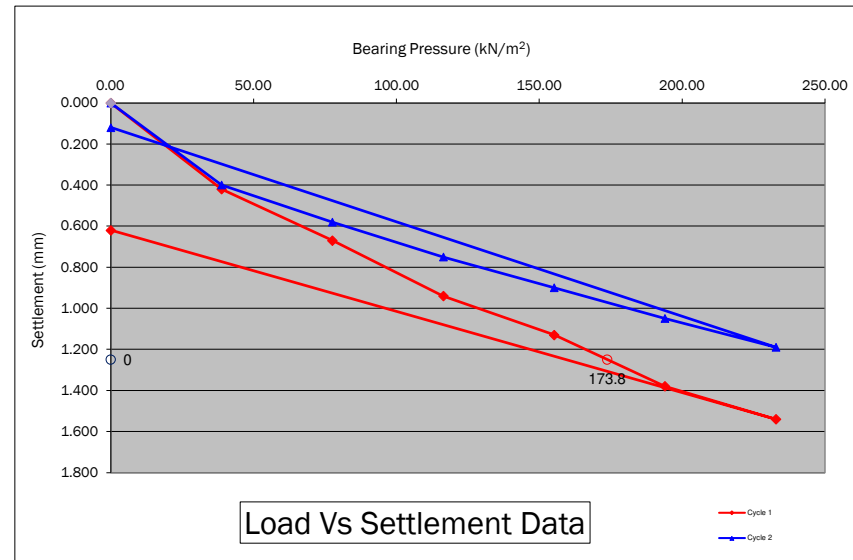
Report Date:

15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	AB6 Layer 14 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.42	38.8	0.40
77.6	0.67	77.6	0.58
116.4	0.94	116.4	0.75
155.2	1.13	155.2	0.90
194.0	1.38	194.0	1.05
232.8	1.54	232.8	1.19
0.0	0.62	0.0	0.12
Recovery %	60		90



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.19	mm	Cycle 1	34.2	
Cycle 1 Values			Cycle 2	>56.8	
Bearing Pressure @ 1.25mm Settlement	173.8	kN/m ²			
Modulus of Subgrade Reaction K762	111.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested.		
			This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

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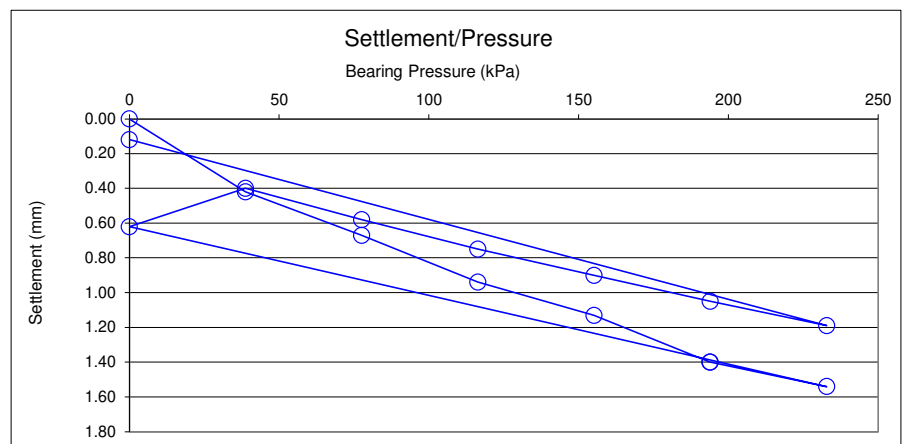
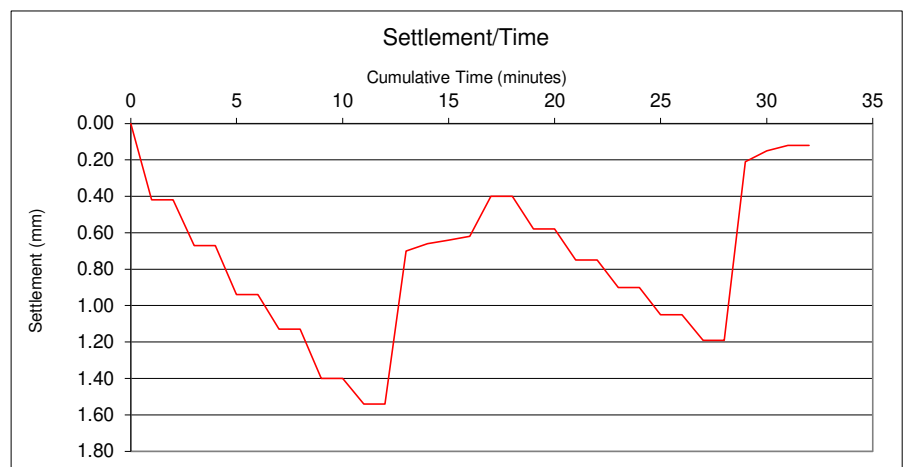
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/136B	REPORT NO: ETS/23557B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/136B	Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	AB6 Layer 14 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.42
4.0	77.6	0.67
6.0	116.4	0.94
8.0	155.2	1.13
9.0	193.8	1.40
10.0	194.0	1.40
12.0	232.8	1.54
16.0	0.0	0.62
18.0	38.8	0.40
20.0	77.6	0.58
22.0	116.4	0.75
24.0	155.2	0.90
26.0	194.0	1.05
28.0	232.8	1.19
32.0	0.0	0.12



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)	72.7	
Strain Modulus - Ev ₂ Value (MN/m ²)	133.99	
Ev ₂ /Ev ₁	1.84	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	1.54 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

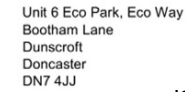
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

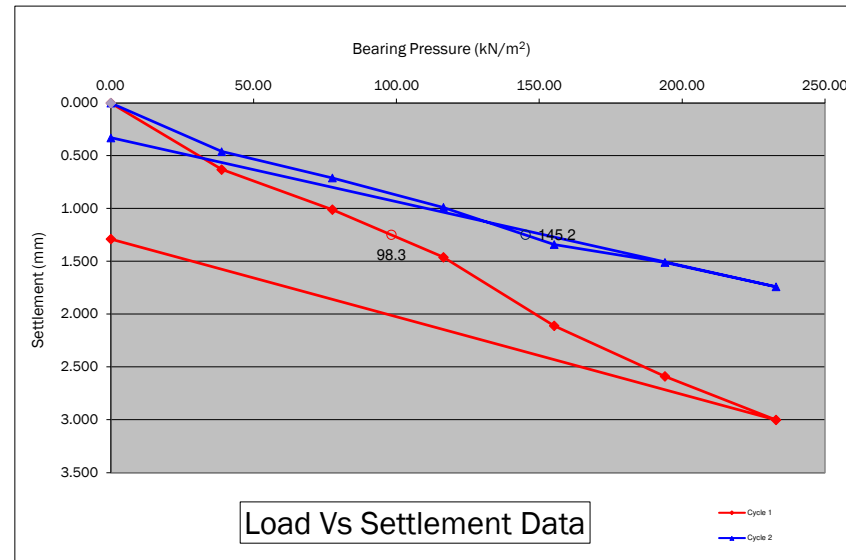
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/136C	REPORT NO:	ETS/23557C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/136C	Report Date:	15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	ABB Layer 17 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.63	38.8	0.46
77.6	1.01	77.6	0.71
116.4	1.46	116.4	0.99
155.2	2.11	155.2	1.34
194.0	2.59	194.0	1.51
232.8	3.00	232.8	1.74
0.0	1.29	0.0	0.33
Recovery %	57		81



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.74	mm	Cycle 1	12.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	98.3	kN/m ²	Cycle 2	25.1	
Modulus of Subgrade Reaction K762	63.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

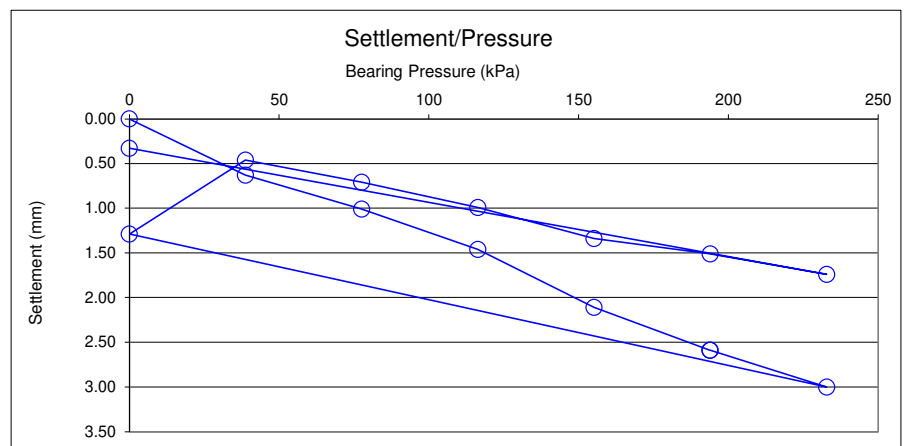
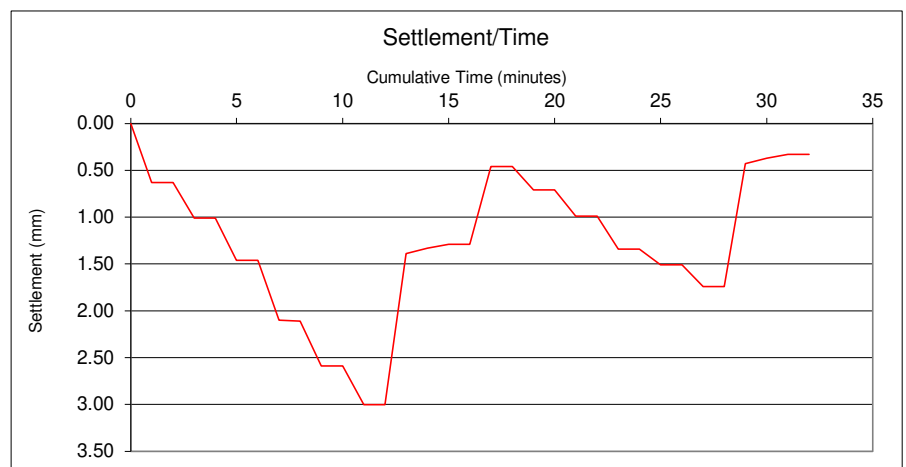
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/136C	REPORT NO: ETS/23557C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/136C	Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	ABB Layer 17 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.63
4.0	77.6	1.01
6.0	116.4	1.46
8.0	155.2	2.11
9.0	193.8	2.59
10.0	194.0	2.59
12.0	232.8	3.00
16.0	0.0	1.29
18.0	38.8	0.46
20.0	77.6	0.71
22.0	116.4	0.99
24.0	155.2	1.34
26.0	194.0	1.51
28.0	232.8	1.74
32.0	0.0	0.33



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		35.0
Strain Modulus - Ev ₂ Value (MN/m ²)		97.47
Ev ₂ /Ev ₁	2.79	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

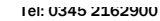
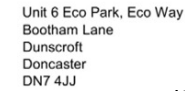
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

EV2 Report

Dove Valley Park



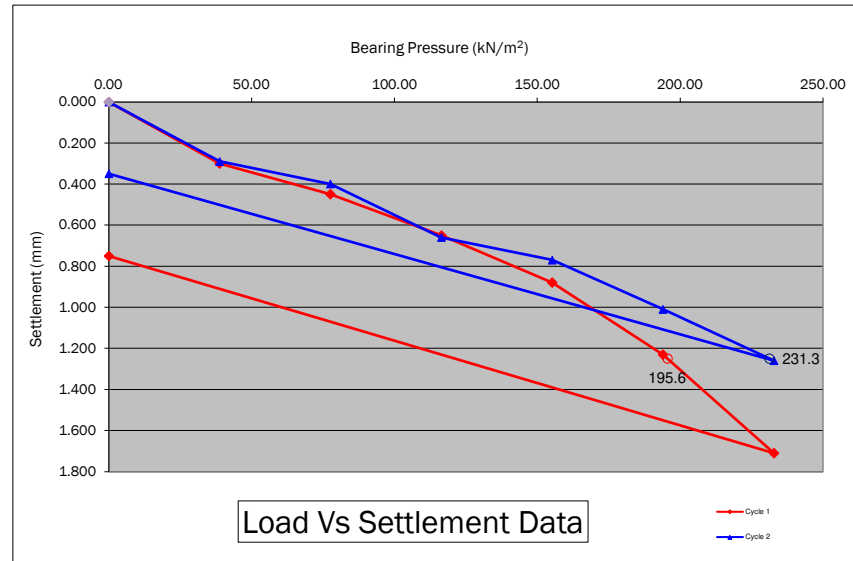
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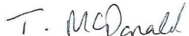
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)
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Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.30	38.8	0.29
77.6	0.45	77.6	0.40
116.4	0.65	116.4	0.66
155.2	0.88	155.2	0.77
194.0	1.23	194.0	1.01
232.8	1.71	232.8	1.26
0.0	0.75	0.0	0.35
Recovery %	56		72



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	1.26	mm	Cycle 1 42.0		
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	195.6	kN/m²	Cycle 2 56.2		
Modulus of Subgrade Reaction K762	125.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
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Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

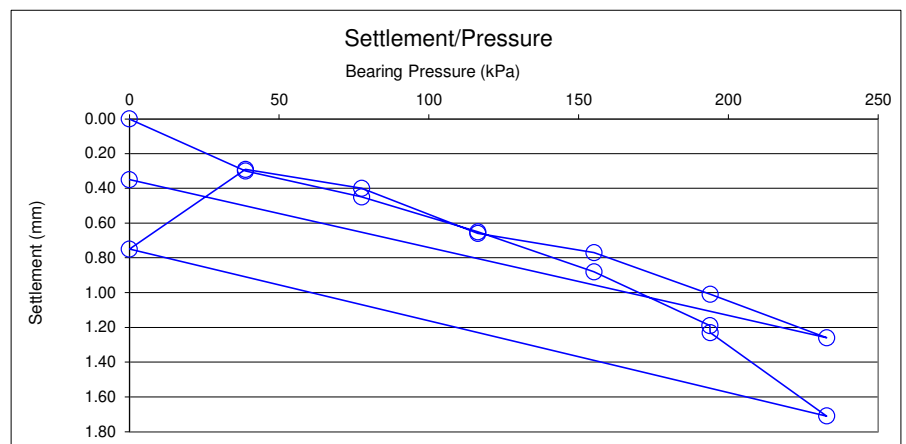
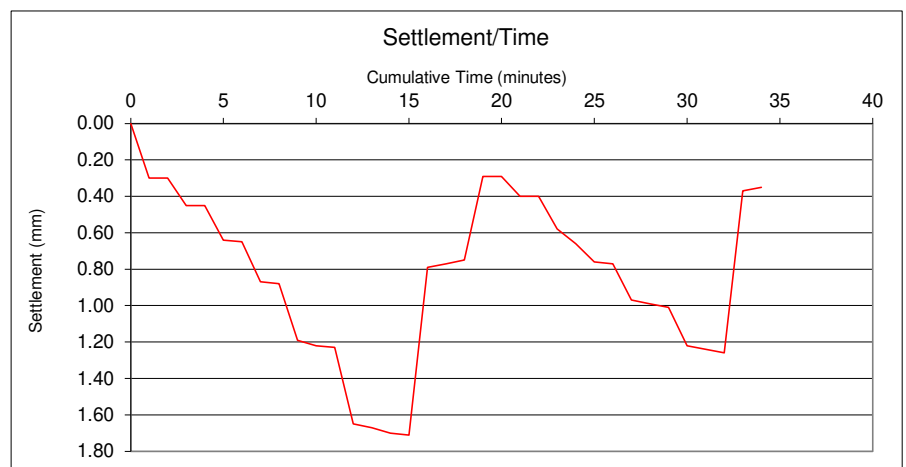
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/136D	REPORT NO: ETS/23557D
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/136D	Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	B10 Layer 18 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.30
4.0	77.6	0.45
6.0	116.4	0.65
8.0	155.2	0.88
9.0	193.8	1.19
11.0	194.0	1.23
15.0	232.8	1.71
18.0	0.0	0.75
20.0	38.8	0.29
22.0	77.6	0.40
24.0	116.4	0.66
26.0	155.2	0.77
29.0	194.0	1.01
32.0	232.8	1.26
34.0	0.0	0.35



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)	77.2	
Strain Modulus - Ev ₂ Value (MN/m ²)	133.42	
Ev ₂ /Ev ₁	1.73	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	1.71 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

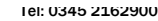
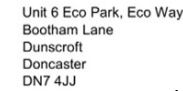
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

EV2 Report

Dove Valley Park



Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/136E

C1583/136E

REPORT NO:

ETS/23557E

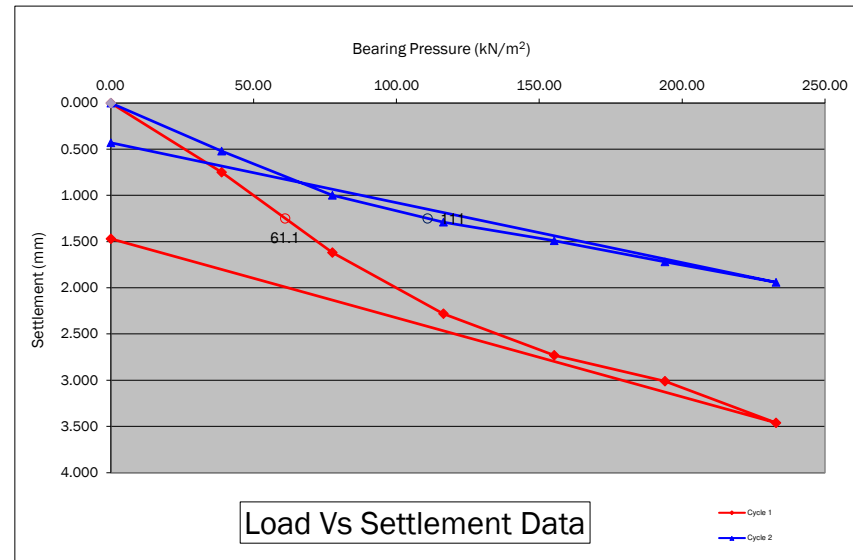
Report Date:

15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	24 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.75	38.8	0.52
77.6	1.62	77.6	1.00
116.4	2.28	116.4	1.29
155.2	2.73	155.2	1.49
194.0	3.01	194.0	1.72
232.8	3.46	232.8	1.94
0.0	1.47	0.0	0.43
Recovery %	58		78



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.94	mm	Cycle 1	5.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	61.1	kN/m ²	Cycle 2	15.7	
Modulus of Subgrade Reaction K762	39.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
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DE5 3QL



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EARTHWORKS TESTING LTD

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Bootham Lane
Dunscroft
Doncaster
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Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/136E

Clients Reference: C1583/136E

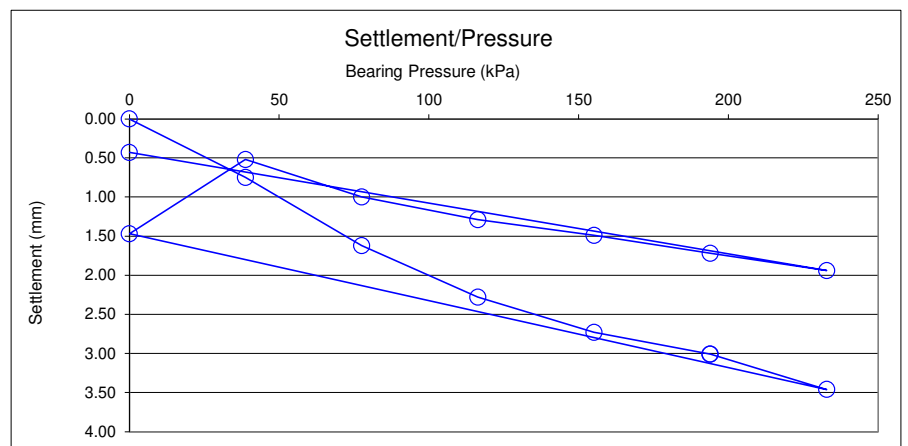
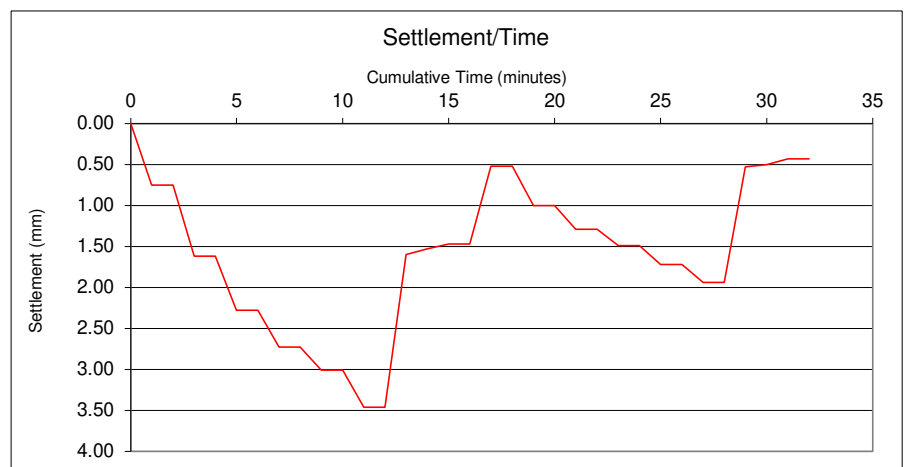
REPORT NO: ETS/23557E

Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	Z4 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.75
4.0	77.6	1.62
6.0	116.4	2.28
8.0	155.2	2.73
9.0	193.8	3.01
10.0	194.0	3.01
12.0	232.8	3.46
16.0	0.0	1.47
18.0	38.8	0.52
20.0	77.6	1.00
22.0	116.4	1.29
24.0	155.2	1.49
26.0	194.0	1.72
28.0	232.8	1.94
32.0	0.0	0.43



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		30.4
Strain Modulus - Ev ₂ Value (MN/m ²)		92.31
Ev ₂ /Ev ₁	3.04	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.46 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

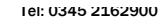
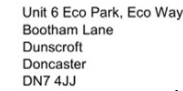
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Page 1 of 1

EV2 Report

Dove Valley Park



Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/136F

REPORT NO:

ETS/23557F

Clients Reference:

C1583/136F

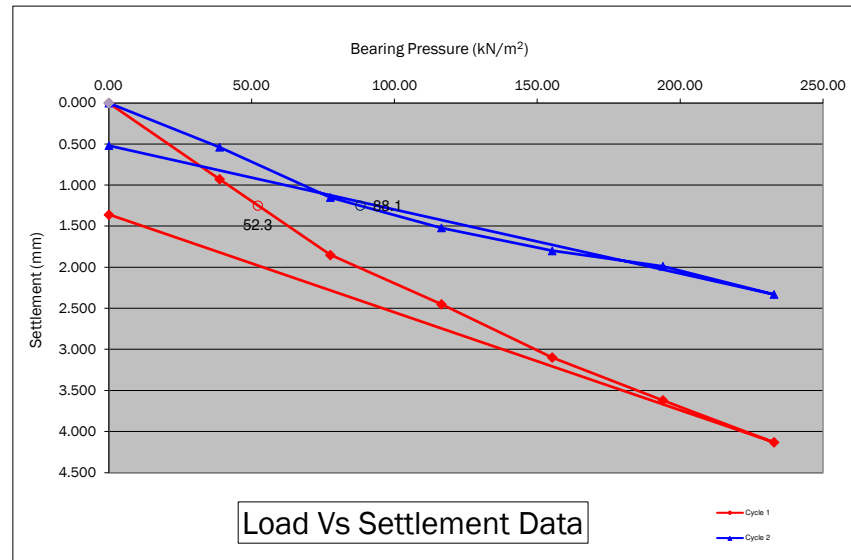
Report Date:

15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	26 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.93	38.8	0.54
77.6	1.85	77.6	1.15
116.4	2.45	116.4	1.52
155.2	3.10	155.2	1.80
194.0	3.62	194.0	1.99
232.8	4.13	232.8	2.33
0.0	1.36	0.0	0.52
Recovery %	67		78



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.33	mm	Cycle 1	4.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	52.3	kN/m ²	Cycle 2	10.5	
Modulus of Subgrade Reaction K762	33.7	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

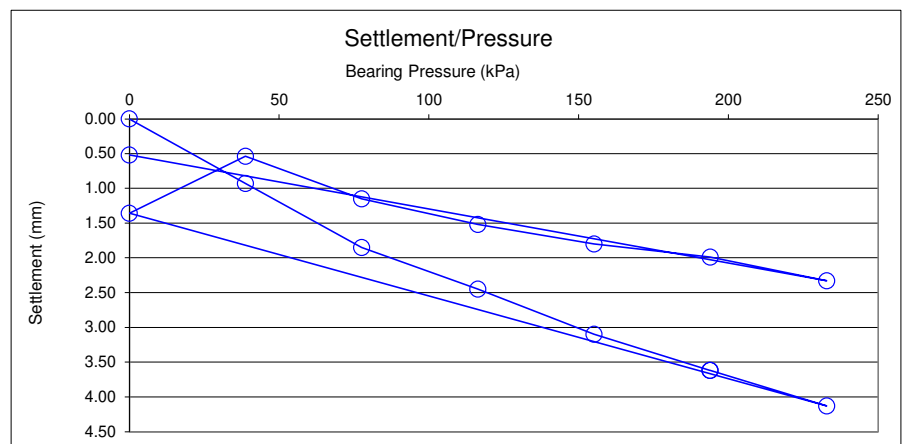
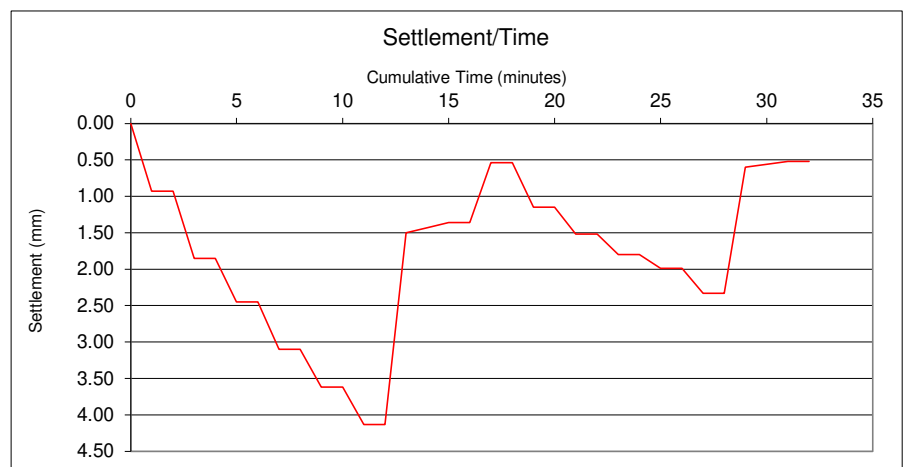
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/136F	REPORT NO: ETS/23557F
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/136F	Report Date: 15/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	14/10/2025
Test Location:	Z6 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.93
4.0	77.6	1.85
6.0	116.4	2.45
8.0	155.2	3.10
9.0	193.8	3.62
10.0	194.0	3.62
12.0	232.8	4.13
16.0	0.0	1.36
18.0	38.8	0.54
20.0	77.6	1.15
22.0	116.4	1.52
24.0	155.2	1.80
26.0	194.0	1.99
28.0	232.8	2.33
32.0	0.0	0.52



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		26.3
Strain Modulus - Ev ₂ Value (MN/m ²)		66.28
Ev ₂ /Ev ₁	2.52	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4.13 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

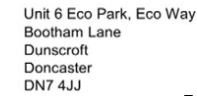
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/140

Clients Reference:

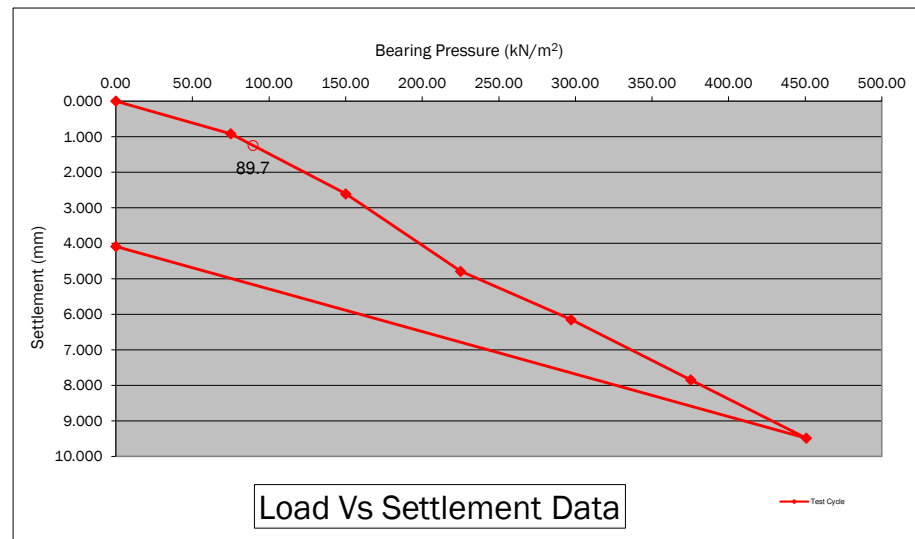
C1583/140

REPORT NO:	ETS/23561
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Report Date:	15/10/2025
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Material Description:	6F2	Date Tested:	14/10/2025
Test Location:	S13 Piling Mat	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
75.02	0.92
149.99	2.61
225.01	4.79
297.16	6.15
375.25	7.85
450.69	9.49
0.00	4.09
Recovery %	57



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	450.7	kN/m²			
Maximum Settlement	9.49	mm	10.9		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	89.7	kN/m²			
Modulus of Subgrade Reaction K762	57.7	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		



Tel: 0345 2162900

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/140	REPORT NO: ETS/23561
In accordance with ETL's in-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/140	Report Date: 15/10/2025

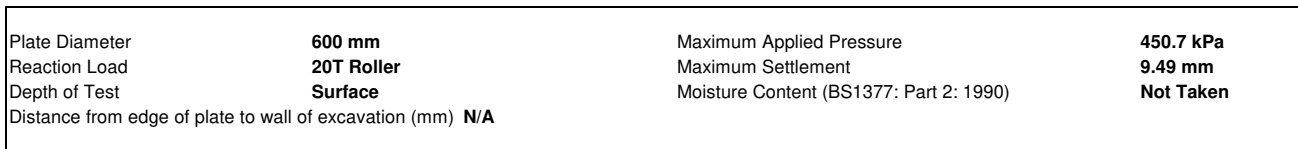
Material Description:	6F2	Date Tested:	14/10/2025
Test Location:	S13 Piling Mat	Supplier/Source:	Ex-Site
Weather:	Overcast		

Settlement/Time

Cumulative Time (minutes)

Settlement (mm)

Cumulative Time (minutes)	Settlement (mm)
0	0.00
2	1.00
4	1.00
6	3.00
8	3.00
10	4.80
12	4.80
14	6.00
16	6.00
18	8.00
20	8.00
22	9.50
24	9.50
26	4.50
28	4.20
30	4.00



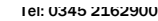
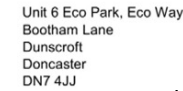
Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

Dove Valley Park



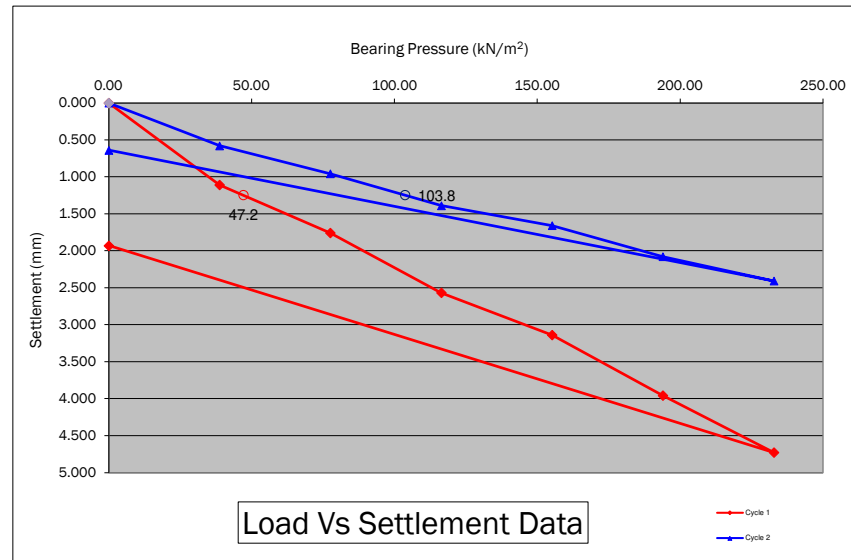
Email: ops@earthworkstesting.co.uk

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)
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Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	1.11	38.8	0.58
77.6	1.76	77.6	0.96
116.4	2.57	116.4	1.39
155.2	3.14	155.2	1.66
194.0	3.96	194.0	2.08
232.8	4.73	232.8	2.41
0.0	1.93	0.0	0.64
Recovery %	59		73



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.41	mm	Cycle 1	3.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	47.2	kN/m ²	Cycle 2	14.0	
Modulus of Subgrade Reaction K762	30.4	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
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Derbyshire
DE5 3QL



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EARTHWORKS TESTING LTD

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Dunscroft
Doncaster
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Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/142A

Clients Reference: C1583/142A

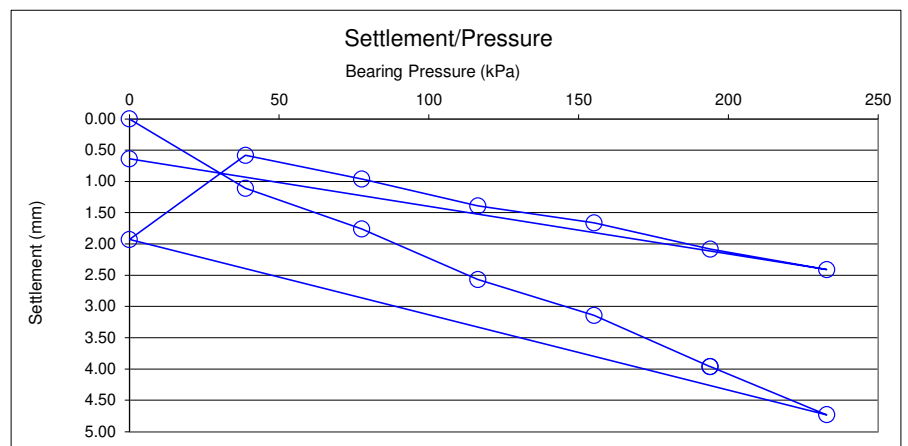
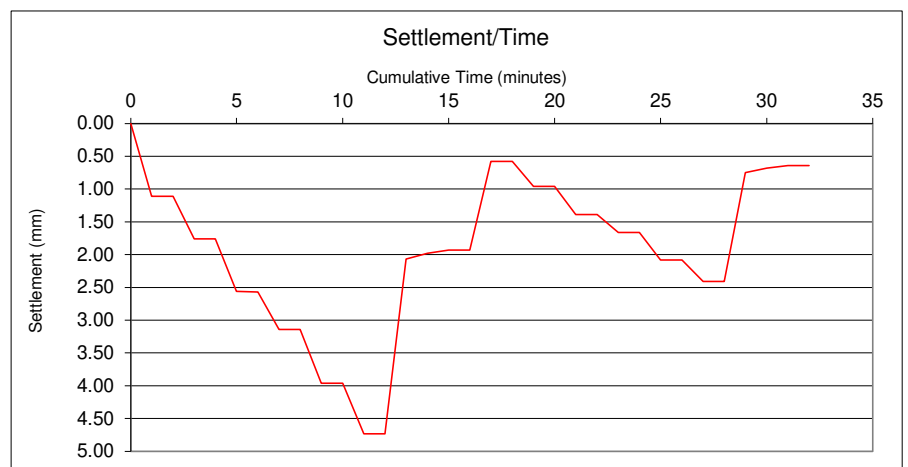
REPORT NO: ETS/23609A

Report Date: 16/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	15/10/2025
Test Location:	AA5 Layer 10 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	1.11
4.0	77.6	1.76
6.0	116.4	2.57
8.0	155.2	3.14
9.0	193.8	3.96
10.0	194.0	3.96
12.0	232.8	4.73
16.0	0.0	1.93
18.0	38.8	0.58
20.0	77.6	0.96
22.0	116.4	1.39
24.0	155.2	1.66
26.0	194.0	2.08
28.0	232.8	2.41
32.0	0.0	0.64



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₂ Value (MN/m ²)		24.5
Strain Modulus - Ev ₂ Value (MN/m ²)		75.10
Ev ₂ /Ev ₁	3.06	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **4.73 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

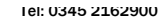
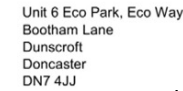
Earthworks Testing Ltd - Company No. 14251352

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EV2 Report

Dove Valley Park



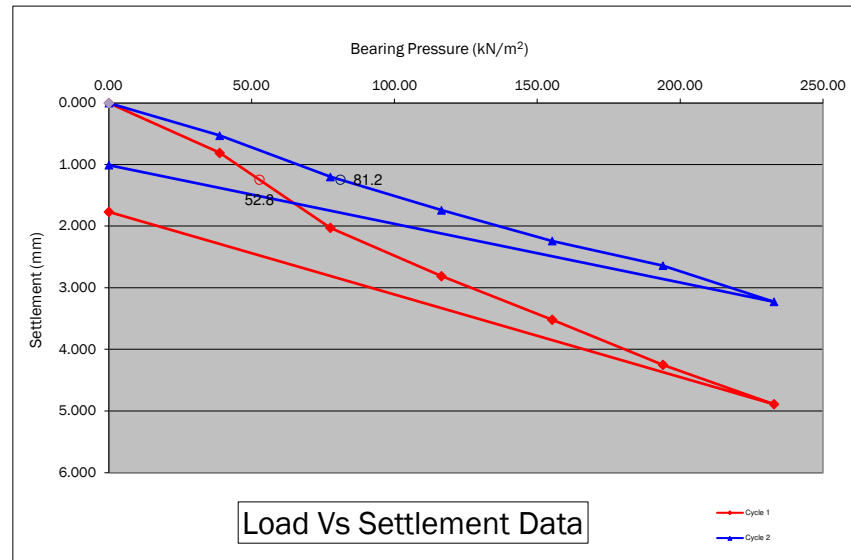
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value	Contract Test Reference:	C1583/142B	REPORT NO:	ETS/23609B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference:	C1583/142B	Report Date:	16/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	15/10/2025
Test Location:	AA6 Layer 13 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.81	38.8	0.53
77.6	2.03	77.6	1.20
116.4	2.81	116.4	1.74
155.2	3.52	155.2	2.24
194.0	4.25	194.0	2.64
232.8	4.89	232.8	3.23
0.0	1.77	0.0	1.01
Recovery %	64		69



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	3.23	mm	Cycle 1	4.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	52.8	kN/m ²	Cycle 2	9.2	
Modulus of Subgrade Reaction K762	34.0	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

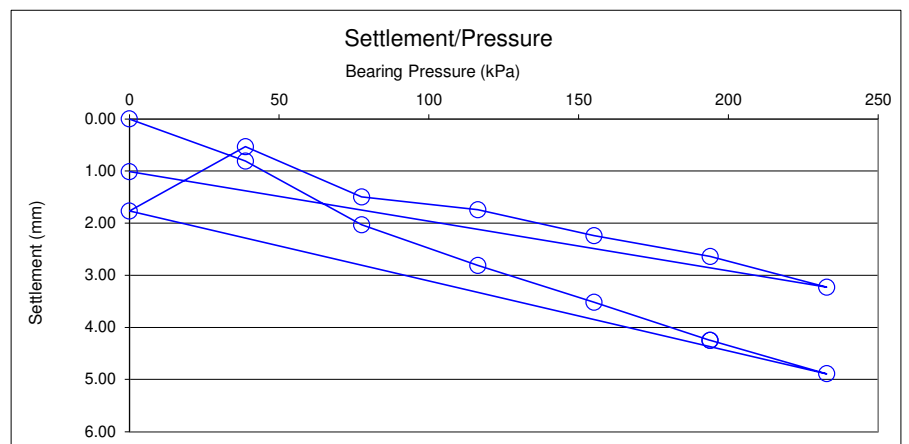
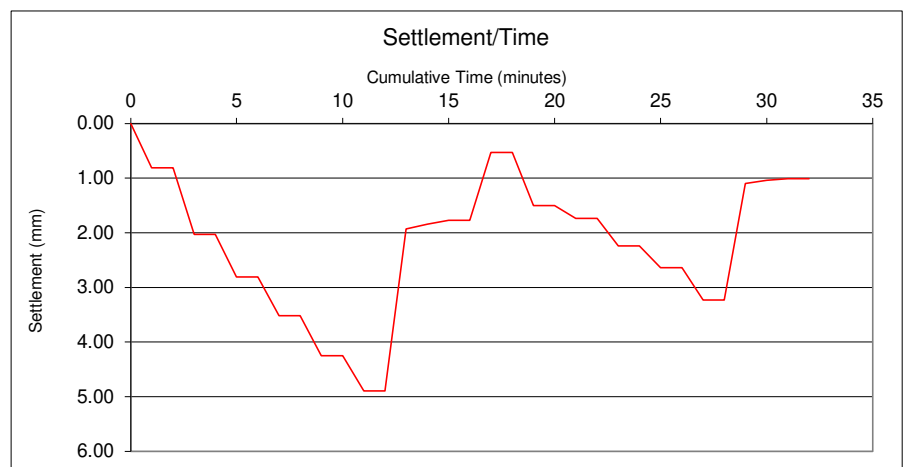
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/142B	REPORT NO: ETS/23609B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/142B	Report Date: 16/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	15/10/2025
Test Location:	AA6 Layer 13 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.81
4.0	77.6	2.03
6.0	116.4	2.81
8.0	155.2	3.52
9.0	193.8	4.25
10.0	194.0	4.25
12.0	232.8	4.89
16.0	0.0	1.77
18.0	38.8	0.53
20.0	77.6	1.50
22.0	116.4	1.74
24.0	155.2	2.24
26.0	194.0	2.64
28.0	232.8	3.23
32.0	0.0	1.01



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		20.9
Strain Modulus - Ev ₂ Value (MN/m ²)		46.38
Ev ₂ /Ev ₁	2.22	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4.89 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

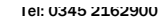
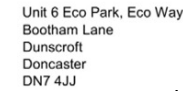
Earthworks Testing Ltd - Company No. 14251352

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EV2 Report

Dove Valley Park



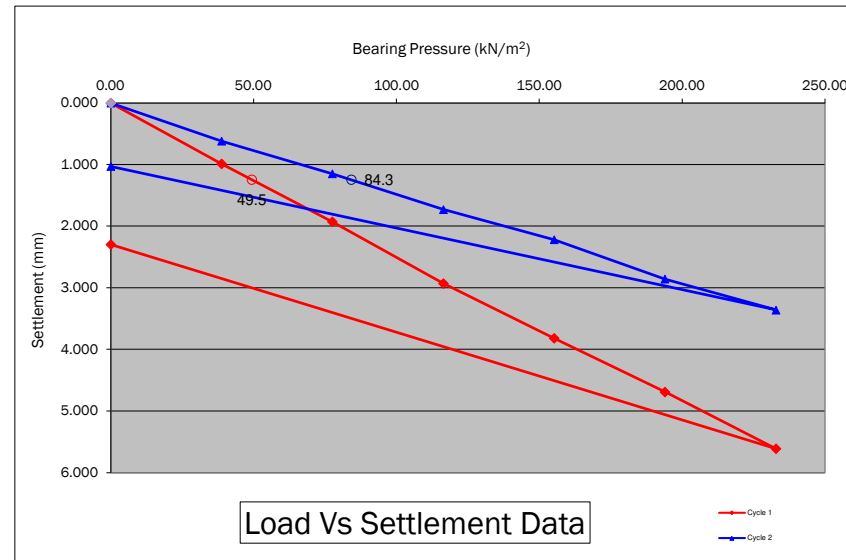
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/142C	REPORT NO:	ETS/23609C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/142C	Report Date:	16/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	15/10/2025
Test Location:	28 Layer 10	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.99	38.8	0.62
77.6	1.93	77.6	1.15
116.4	2.93	116.4	1.73
155.2	3.82	155.2	2.22
194.0	4.69	194.0	2.86
232.8	5.61	232.8	3.36
0.0	2.30	0.0	1.03
Recovery %	59		69



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m²			
Maximum Settlement	3.36	mm	Cycle 1	3.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	49.5	kN/m²	Cycle 2	9.8	
Modulus of Subgrade Reaction K762	31.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

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CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

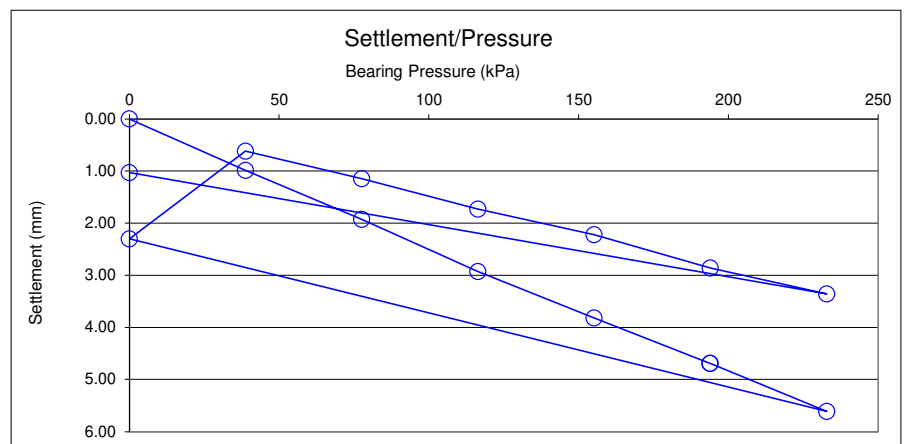
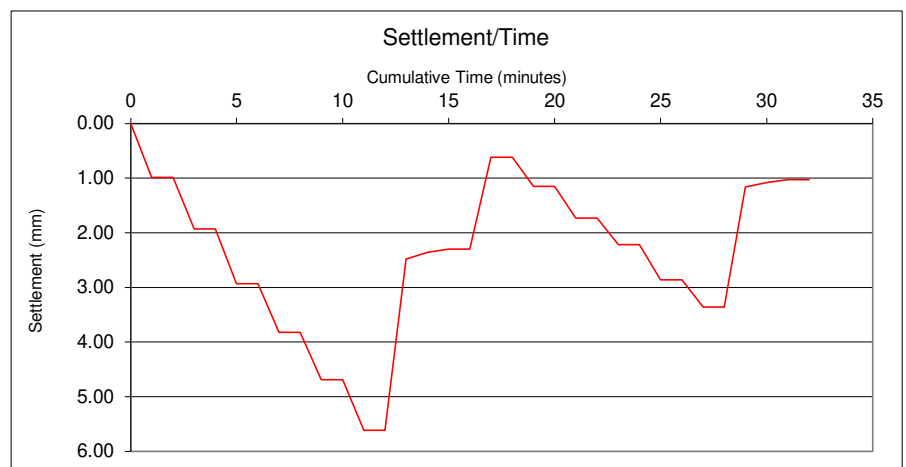
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/142C	REPORT NO: ETS/23609C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/142C	Report Date: 16/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	15/10/2025
Test Location:	Z8 Layer 10	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.99
4.0	77.6	1.93
6.0	116.4	2.93
8.0	155.2	3.82
9.0	193.8	4.69
10.0	194.0	4.69
12.0	232.8	5.61
16.0	0.0	2.30
18.0	38.8	0.62
20.0	77.6	1.15
22.0	116.4	1.73
24.0	155.2	2.22
26.0	194.0	2.86
28.0	232.8	3.36
32.0	0.0	1.03



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		18.6
Strain Modulus - Ev ₂ Value (MN/m ²)		46.47
Ev ₂ /Ev ₁	2.49	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	5.61 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Unit 6 Eco Park, Eco Way
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Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

Clients Reference:

C1583/154

C1583/154

REPORT NO:

ETS/23650

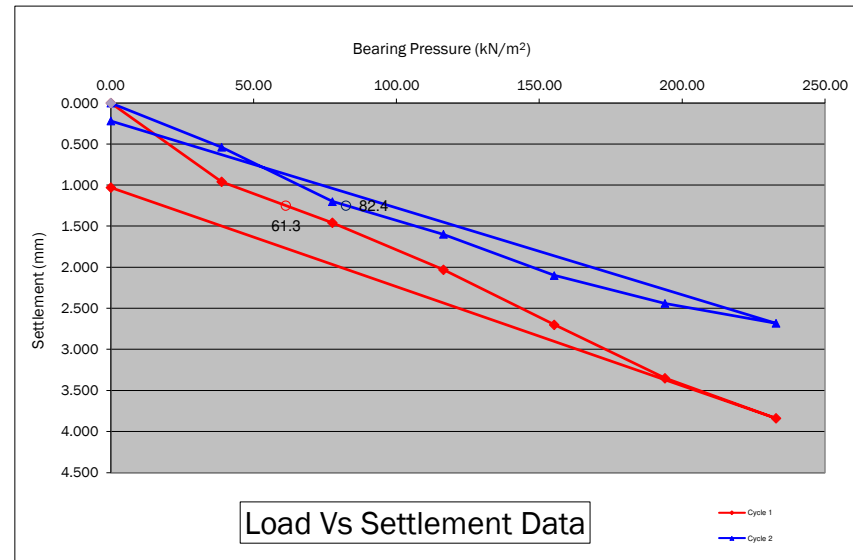
Report Date:

22/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	16/10/2025
Test Location:	Z10 Layer 15	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.96	38.8	0.54
77.6	1.46	77.6	1.20
116.4	2.03	116.4	1.60
155.2	2.70	155.2	2.10
194.0	3.35	194.0	2.44
232.8	3.84	232.8	2.68
0.0	1.03	0.0	0.22
Recovery %	73		92



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	2.68	mm			
Cycle 1 Values			Cycle 1	5.6	
Bearing Pressure @ 1.25mm Settlement	61.3	kN/m ²	Cycle 2	9.4	
Modulus of Subgrade Reaction K762	39.4	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

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Dunscroft
Doncaster
DN7 4JJ



Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference: C1583/154

Clients Reference: C1583/154

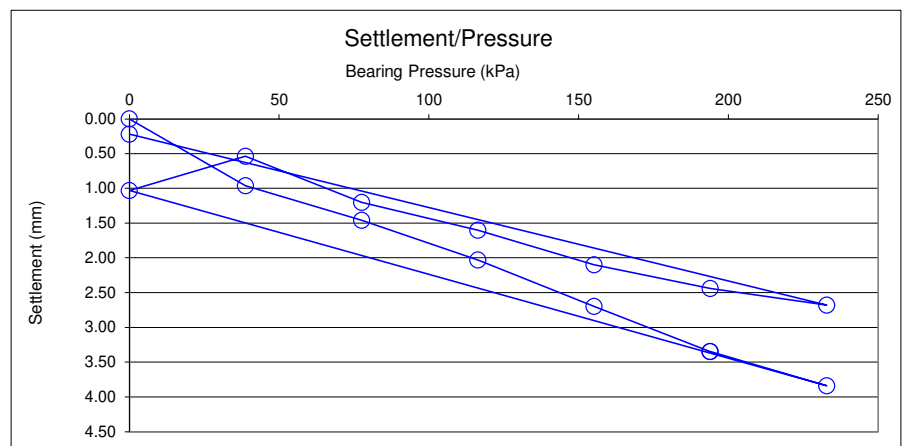
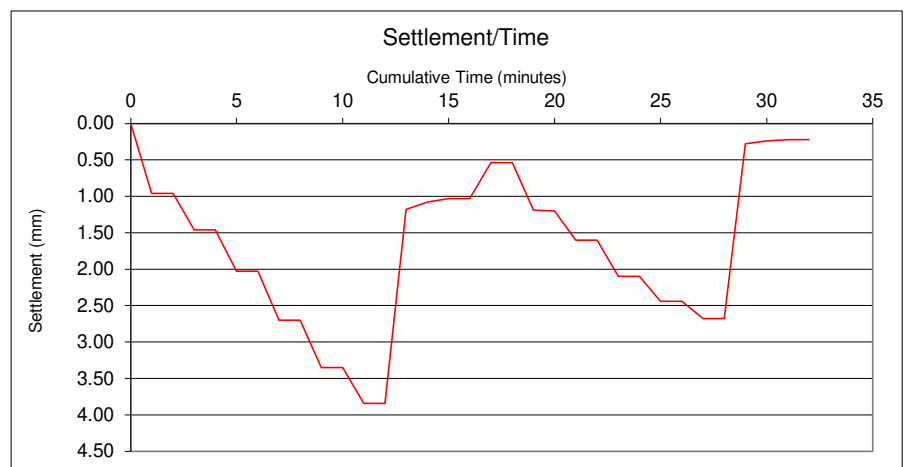
REPORT NO: ETS/23650

Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	16/10/2025
Test Location:	Z10 Layer 15	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.96
4.0	77.6	1.46
6.0	116.4	2.03
8.0	155.2	2.70
9.0	193.8	3.35
10.0	194.0	3.35
12.0	232.8	3.84
16.0	0.0	1.03
18.0	38.8	0.54
20.0	77.6	1.20
22.0	116.4	1.60
24.0	155.2	2.10
26.0	194.0	2.44
28.0	232.8	2.68
32.0	0.0	0.22



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)	29.2	
Strain Modulus - Ev ₂ Value (MN/m ²)	46.18	
Ev ₂ /Ev ₁	1.58	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	232.8 kPa
Reaction Load	20T Roller	Maximum Settlement	3.84 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

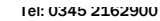
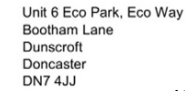
Earthworks Testing Ltd - Company No. 14251352

** End of report **

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EV2 Report

Dove Valley Park



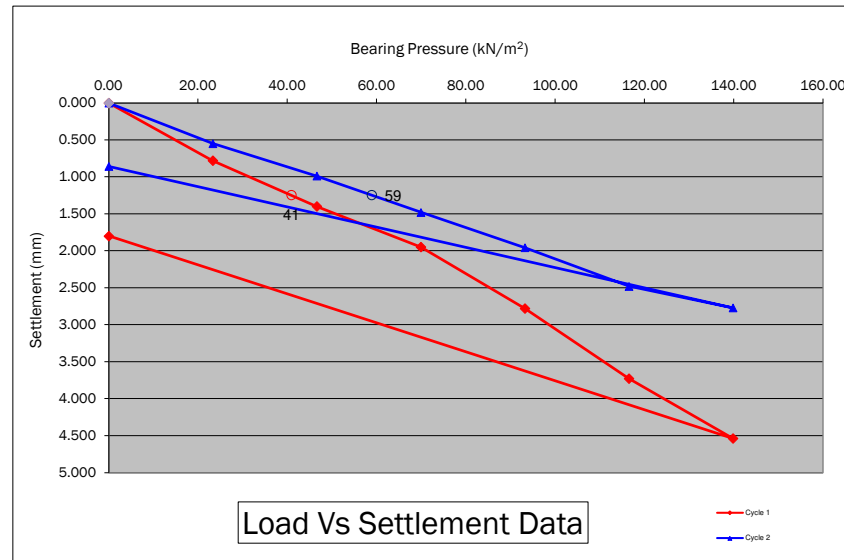
Email: ops@earthworkstesting.co.uk

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel
------------------------------	--------------------------------------

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m^2	mm	kN/m^2	mm
23.3	0.78	23.3	0.55
46.6	1.40	46.6	0.99
69.9	1.95	69.9	1.48
93.2	2.78	93.2	1.96
116.5	3.73	116.5	2.48
139.8	4.54	139.8	2.77
0.0	1.80	0.0	0.86
Recovery %	60		69



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory <i>T. McDonald</i>
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	2.77	mm	Cycle 1	2.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	41.0	kN/m ²	Cycle 2	5.3	
Modulus of Subgrade Reaction K762	26.4	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

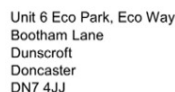
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/155A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/155A

REPORT NO: ETS/23651A

Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	R12 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.78
4.0	46.6	1.40
6.0	69.9	1.95
8.0	93.2	2.78
10.0	116.5	3.73
12.0	139.8	4.54
16.0	0.0	1.80
18.0	23.3	0.55
20.0	46.6	0.99
22.0	69.9	1.48
24.0	93.2	1.96
26.0	116.5	2.48
28.0	139.8	2.77
32.0	0.0	0.86

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		14.7
Strain Modulus - Ev ₂ Value (MN/m ²)		31.77
Ev ₂ /Ev ₁	2.17	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

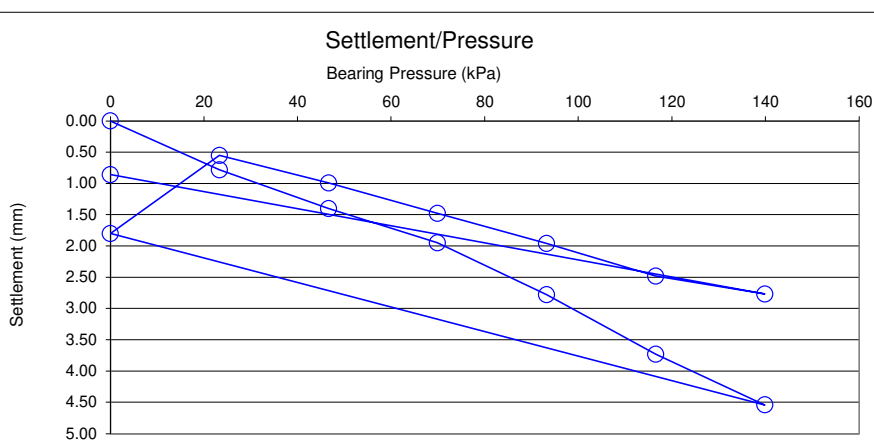
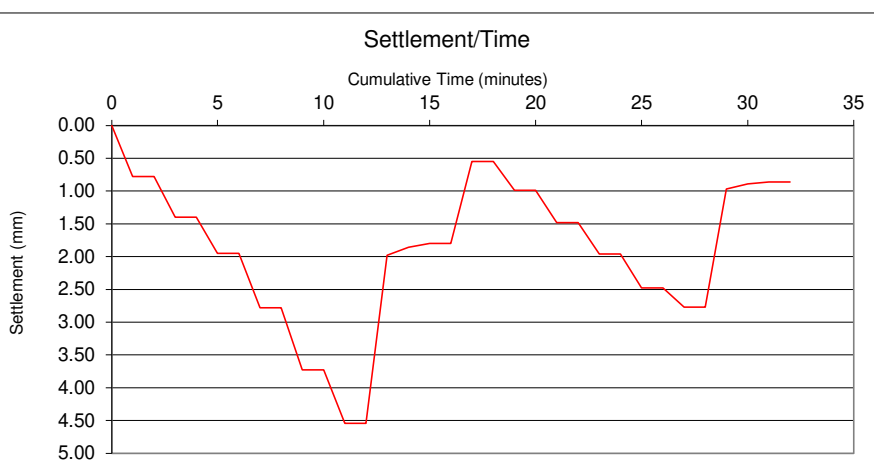


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.8 kPa
Maximum Settlement	4.54 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

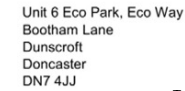
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Contract Test Reference:

REPORT NO:

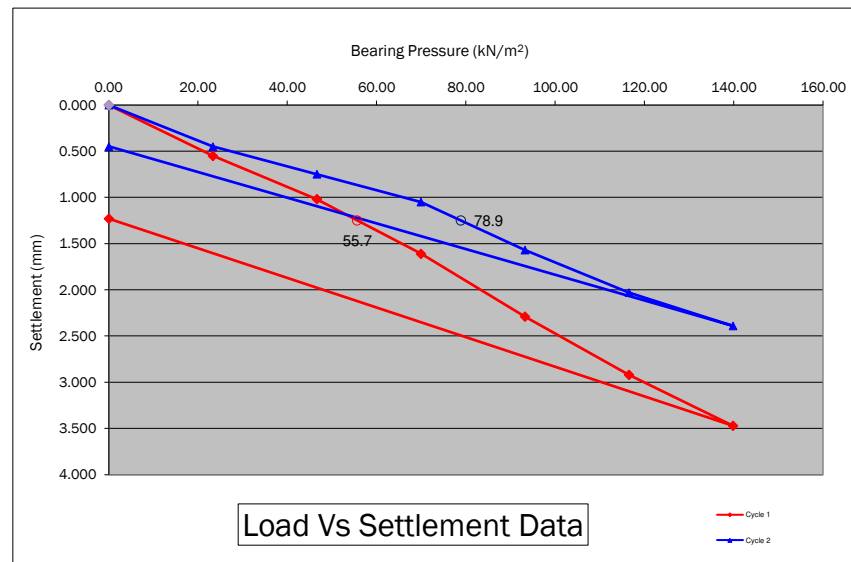
ETS/23651B

22/10/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	R14 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.55	23.3	0.45
46.6	1.02	46.6	0.75
69.9	1.61	69.9	1.05
93.2	2.29	93.2	1.57
116.5	2.92	116.5	2.03
139.8	3.47	139.8	2.39
0.0	1.23	0.0	0.45
Recovery %	65		81

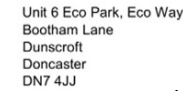


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	2.39	mm	Cycle 1	4.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	55.7	kN/m ²	Cycle 2	8.7	
Modulus of Subgrade Reaction K762	35.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Contract Test Reference:

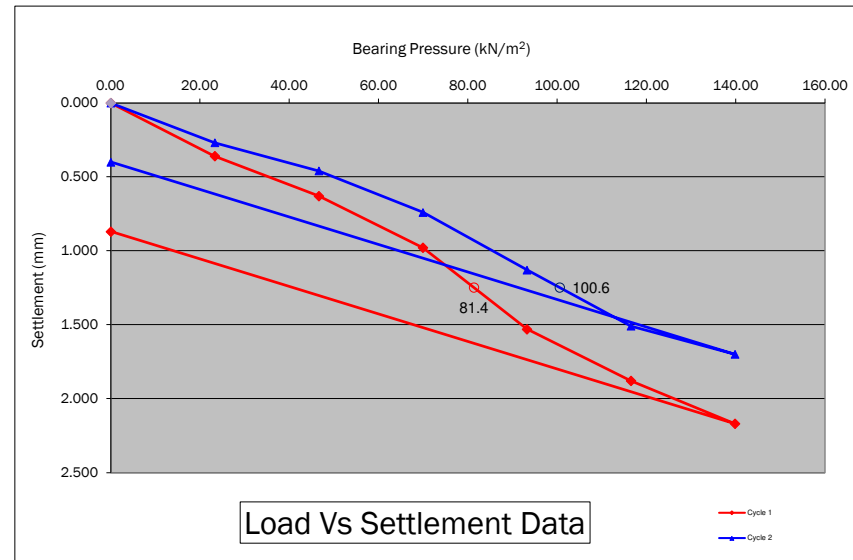
REPORT NO: ETS/23651C

Report Date:	22/10/2025
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TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	S16 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.36	23.3	0.27
46.6	0.63	46.6	0.46
69.9	0.98	69.9	0.74
93.2	1.53	93.2	1.13
116.5	1.88	116.5	1.51
139.8	2.17	139.8	1.70
0.0	0.87	0.0	0.40
Recovery %	60		77



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	1.7	mm	Cycle 1	9.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	81.4	kN/m ²	Cycle 2	13.3	
Modulus of Subgrade Reaction K762	52.4	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

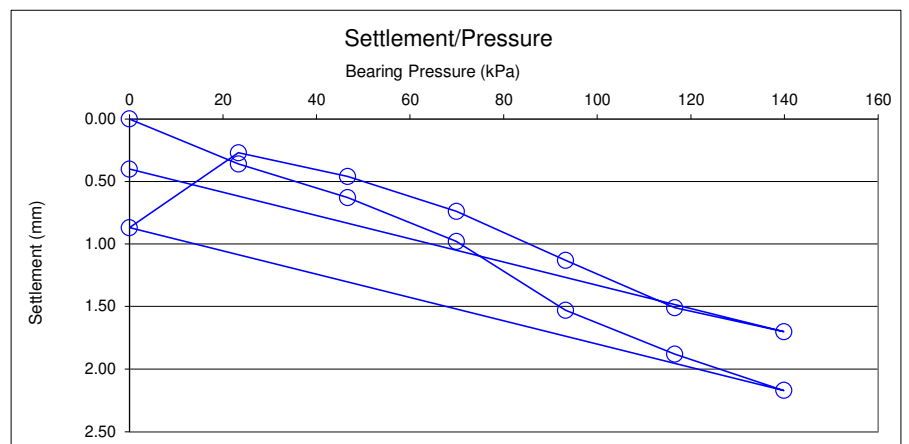
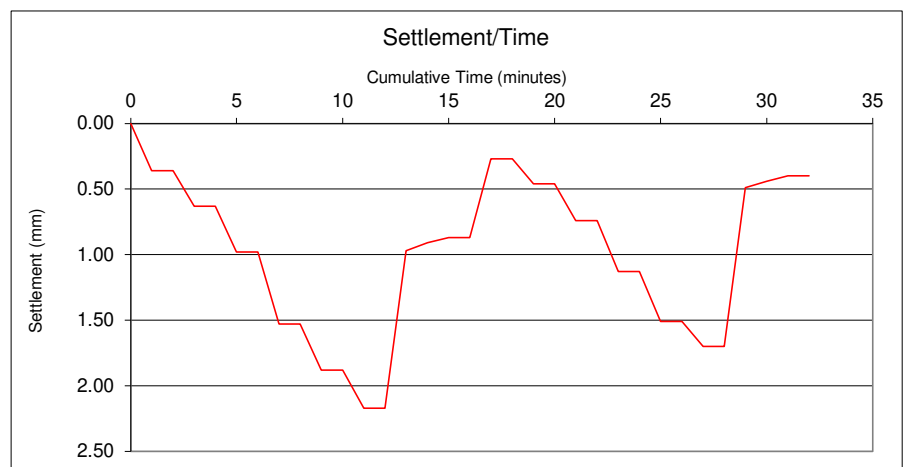
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/155C	REPORT NO: ETS/23651C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/155C	Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	S16 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.36
4.0	46.6	0.63
6.0	69.9	0.98
8.0	93.2	1.53
10.0	116.5	1.88
12.0	139.8	2.17
16.0	0.0	0.87
18.0	23.3	0.27
20.0	46.6	0.46
22.0	69.9	0.74
24.0	93.2	1.13
26.0	116.5	1.51
28.0	139.8	1.70
32.0	0.0	0.40



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		26.9
Strain Modulus - Ev ₂ Value (MN/m ²)		45.45
Ev ₂ /Ev ₁	1.69	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.8 kPa
Reaction Load	20T Roller	Maximum Settlement	2.17 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

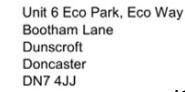
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Contract Test Reference:

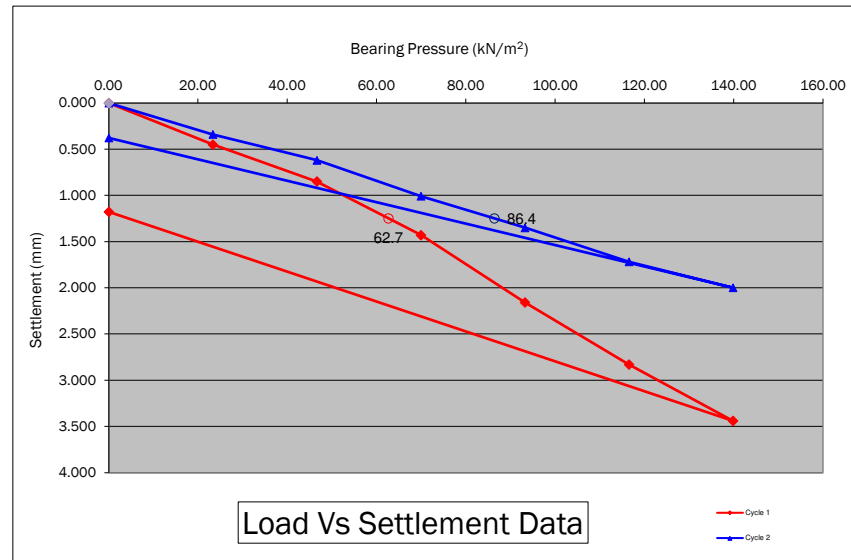
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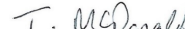
Report Date:	22/10/2025
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TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	V17 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.45	23.3	0.34
46.6	0.85	46.6	0.62
69.9	1.43	69.9	1.01
93.2	2.16	93.2	1.35
116.5	2.83	116.5	1.72
139.8	3.44	139.8	2.00
0.0	1.18	0.0	0.38
Recovery %	66		81

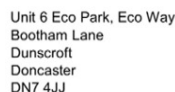


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m²			
Maximum Settlement	2	mm	Cycle 1	5.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	62.7	kN/m²	Cycle 2	10.2	
Modulus of Subgrade Reaction K762	40.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/155D

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/155D

REPORT NO: ETS/23651D

Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	V17 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

[illegible]

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		17.4
Strain Modulus - Ev ₂ Value (MN/m ²)		42.31
Ev ₂ /Ev ₁	2.43	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

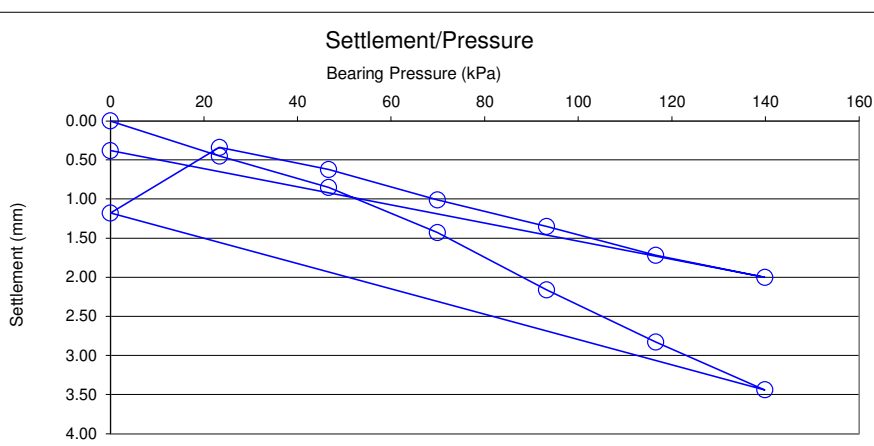
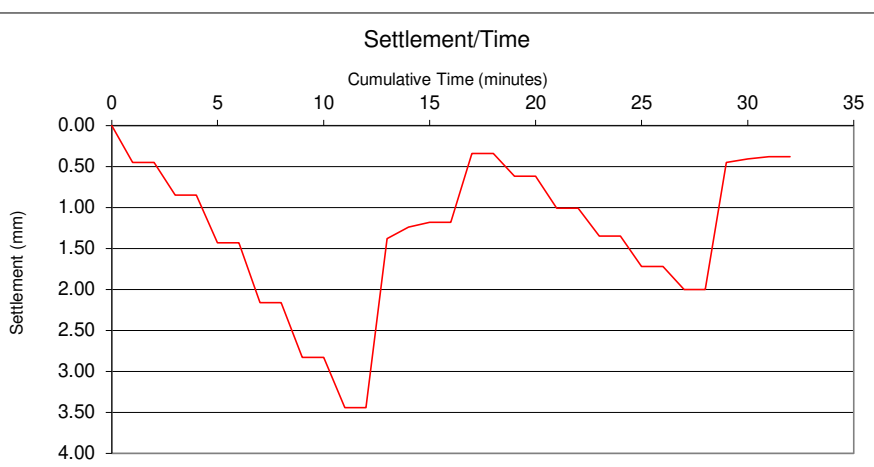


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.8 kPa
Maximum Settlement	3.44 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

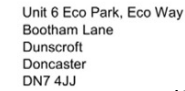
Earthworks Testing Ltd - Company No. 14251352

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EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/155E

REPORT NO:

ETS/23651E

Clients Reference:

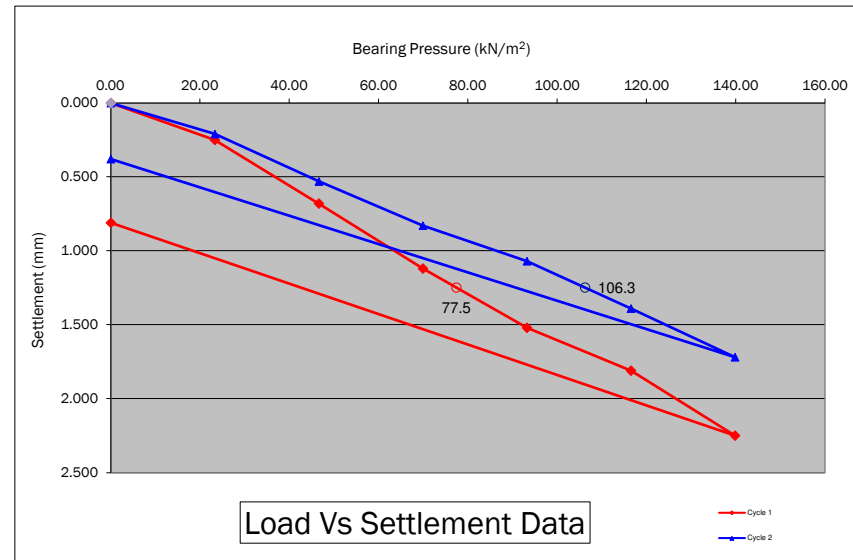
C1583/155E

Report Date:

22/10/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.25	23.3	0.21
46.6	0.68	46.6	0.53
69.9	1.12	69.9	0.83
93.2	1.52	93.2	1.07
116.5	1.81	116.5	1.39
139.8	2.25	139.8	1.72
0.0	0.81	0.0	0.38
Recovery %	64		78



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	1.72	mm	Cycle 1	8.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	77.5	kN/m ²	Cycle 2	14.6	
Modulus of Subgrade Reaction K762	49.9	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

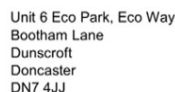
Earthworks Testing Ltd - Company No. 14251352

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Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/155E

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/155E

REPORT NO: ETS/23651E

Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	16/10/2025
Test Location:	Y12 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.25
4.0	46.6	0.68
6.0	69.9	1.12
8.0	93.2	1.52
10.0	116.5	1.81
12.0	139.8	2.25
16.0	0.0	0.81
18.0	23.3	0.21
20.0	46.6	0.53
22.0	69.9	0.83
24.0	93.2	1.07
26.0	116.5	1.39
28.0	139.8	1.72
32.0	0.0	0.38

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		26.1
Strain Modulus - Ev ₂ Value (MN/m ²)		46.82
Ev ₂ /Ev ₁	1.79	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

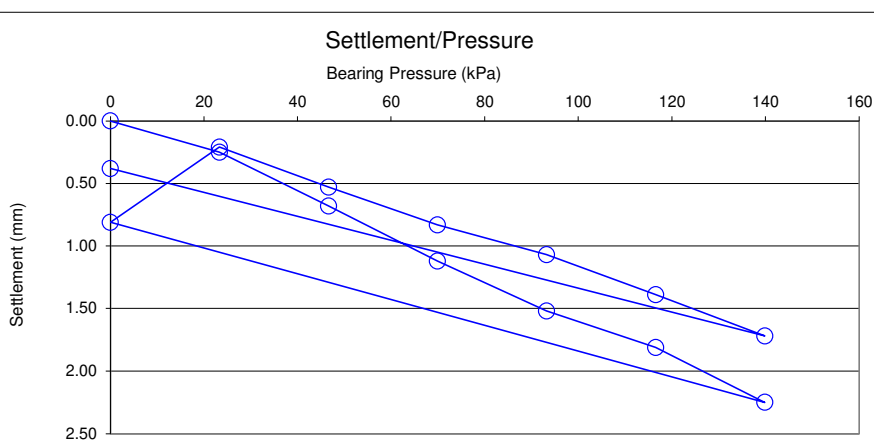
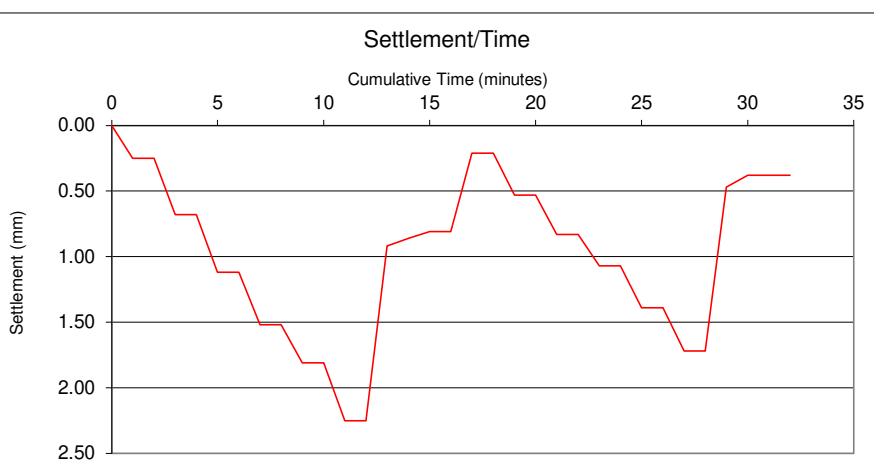


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.8 kPa
Maximum Settlement	2.25 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

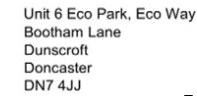
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Plate Loading Test to determine equivalent CBR Value

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Contract Test Reference:

C1583/156

REPORT NO:	ETS/23652
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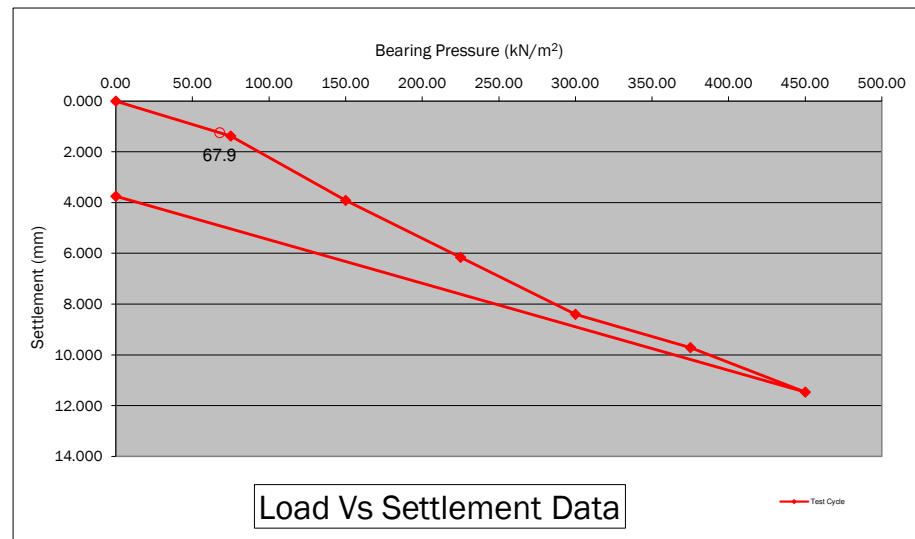
Clients Reference:

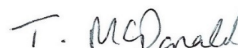
C1583/156

Report Date:	22/10/2025
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Material Description:	6F2	Date Tested:	16/10/2025
Test Location:	X12 Piling Mat	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
75.02	1.38
149.99	3.91
225.01	6.16
299.99	8.40
375.00	9.71
449.98	11.47
0.00	3.75
Recovery %	67



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 6.7		
Maximum Applied Pressure	450.0	kN/m²			
Maximum Settlement	11.47	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	67.9	kN/m²			
Modulus of Subgrade Reaction K762	43.7	kN/m²/mm			
Notes: Initial load applied by test equipment calculated to be less than 0.8 kN			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		



UKAS
TESTING
27572

Tel: 0345 2162900

Determination of Vertical Deformation - Plate Loading Test

Contract Test Reference: C1583/156

REPORT NO: ETS/23652

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

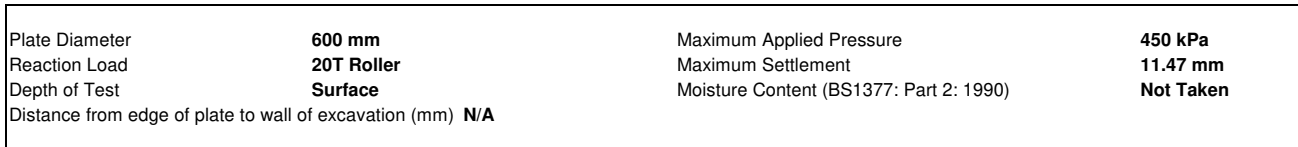
Clients Reference: C1583/156

Report Date: 22/10/2025

Material Description:	6F2	Date Tested:	16/10/2025
Test Location:	X12 Piling Mat	Supplier/Source:	Ex-Site
Weather:	Overcast		

The graph illustrates the settlement behavior of a soil specimen over a 45-minute period. The y-axis represents settlement in millimeters (mm), with 0.00 at the top and 14.00 at the bottom. The x-axis represents cumulative time in minutes. The curve shows a rapid initial settlement, followed by a period of stability, then a sharp increase in settlement rate between 15 and 25 minutes, and finally a rapid recovery in settlement rate after 35 minutes.

Cumulative Time (minutes)	Settlement (mm)
0	0.00
2	1.50
4	1.50
6	3.80
10	4.00
12	5.80
15	6.00
17	8.00
20	8.50
22	8.50
24	9.50
26	9.50
28	11.50
30	11.50
32	11.50
34	11.50
36	4.00
40	3.80



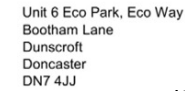
Testing carried out at client's site location.

T. McDonald

Initial load applied by test equipment calculated to be less than 0.8 kN

Page 1 of 1

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/167

C1583/167

REPORT NO:

ETS/23709

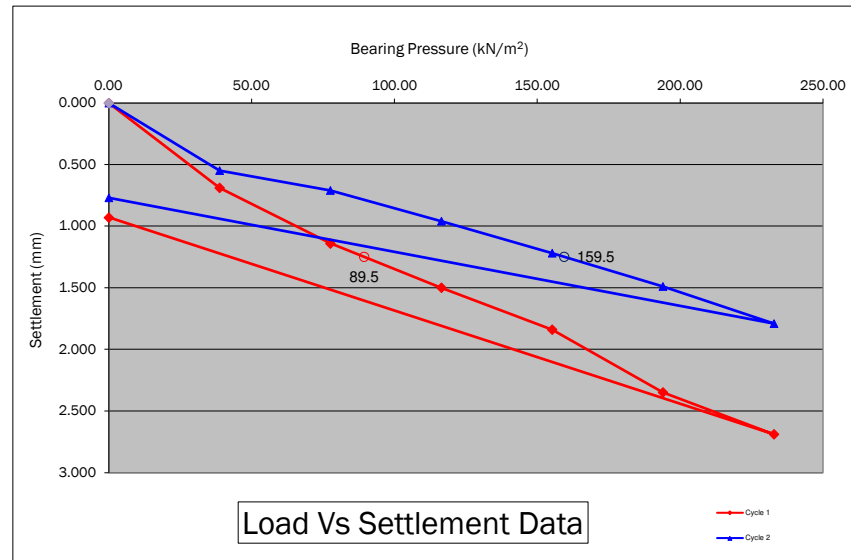
Report Date:

22/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	17/10/2025
Test Location:	X4 Layer 4	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
38.8	0.69	38.8	0.55
77.6	1.14	77.6	0.71
116.4	1.50	116.4	0.96
155.2	1.84	155.2	1.22
194.0	2.35	194.0	1.49
232.8	2.69	232.8	1.79
0.0	0.93	0.0	0.77
Recovery %	65		57



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	232.8	kN/m ²			
Maximum Settlement	1.79	mm	Cycle 1	10.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	89.5	kN/m ²	Cycle 2	29.5	
Modulus of Subgrade Reaction K762	57.6	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



ETL
EARTHWORKS TESTING LTD

Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ



Dove Valley Park

Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)

Contract Test Reference: C1583/167

Clients Reference: C1583/167

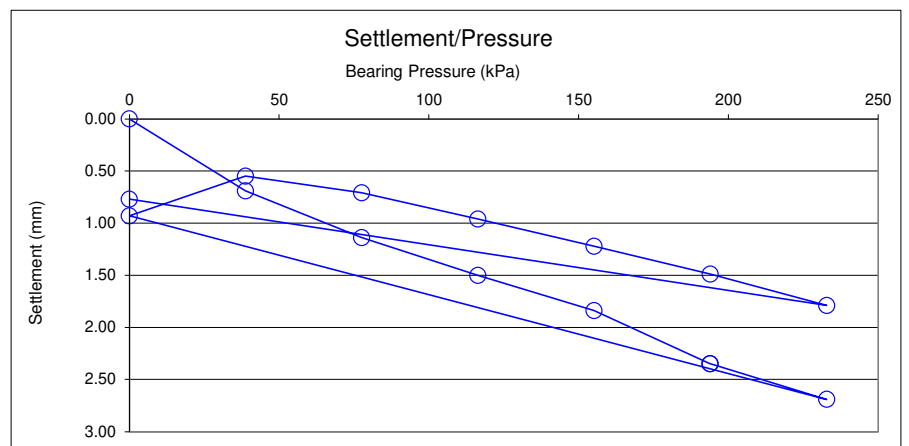
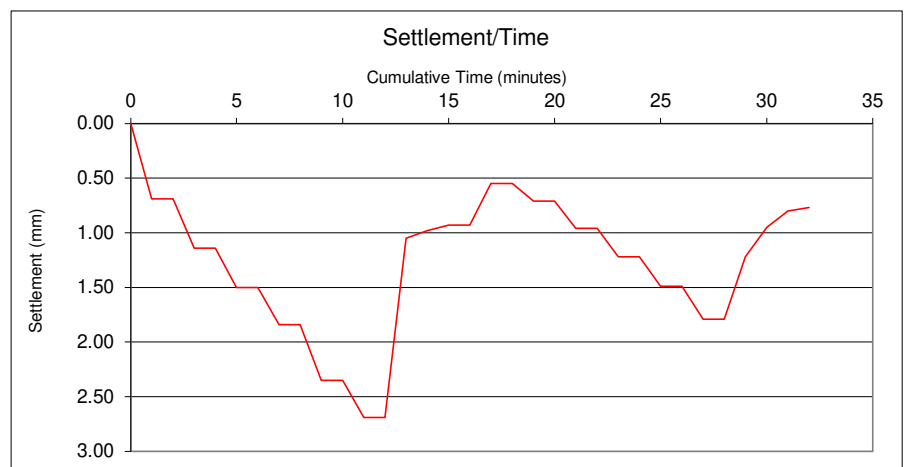
REPORT NO: ETS/23709

Report Date: 22/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	17/10/2025
Test Location:	X4 Layer 4	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	38.8	0.69
4.0	77.6	1.14
6.0	116.4	1.50
8.0	155.2	1.84
9.0	193.8	2.35
10.0	194.0	2.35
12.0	232.8	2.69
16.0	0.0	0.93
18.0	38.8	0.55
20.0	77.6	0.71
22.0	116.4	0.96
24.0	155.2	1.22
26.0	194.0	1.49
28.0	232.8	1.79
32.0	0.0	0.77



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.233	0.233
Strain Modulus - Ev ₁ Value (MN/m ²)		44.0
Strain Modulus - Ev ₂ Value (MN/m ²)		90.12
Ev ₂ /Ev ₁	2.05	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter **600 mm**
Reaction Load **20T Roller**
Depth of Test **Surface**
Distance from edge of plate to wall of excavation (mm) **N/A**

Maximum Applied Pressure **232.8 kPa**
Maximum Settlement **2.69 mm**
Moisture Content (BS1377: Part 2: 1990) **Not Taken**

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

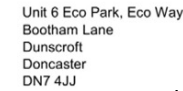
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/185

C1583/185

REPORT NO:

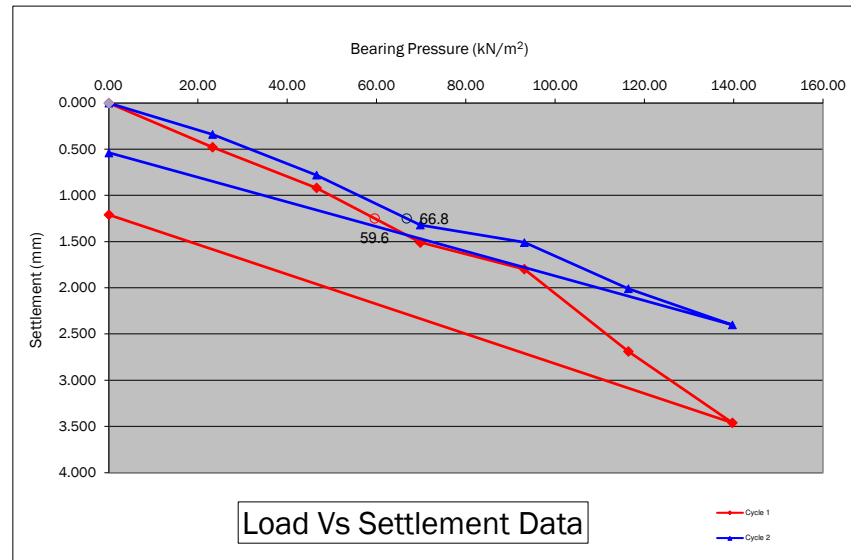
ETS/23862

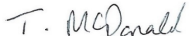
Report Date:

23/10/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.48	23.3	0.34
46.5	0.92	46.5	0.78
69.8	1.51	69.8	1.32
93.1	1.80	93.1	1.51
116.4	2.69	116.4	2.01
139.7	3.46	139.7	2.40
0.0	1.21	0.0	0.54
Recovery %	65		78



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.4	mm	Cycle 1	5.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	59.6	kN/m²	Cycle 2	6.5	
Modulus of Subgrade Reaction K762	38.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

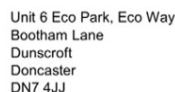
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/185

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/185

REPORT NO: ETS/23862

Report Date: 23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel + 2% Lime (Class 7)	Date Tested:	22/10/2025
Test Location:	X8 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.48
4.0	46.5	0.92
6.0	69.8	1.51
8.0	93.1	1.80
10.0	116.4	2.69
12.0	139.7	3.46
16.0	0.0	1.21
18.0	23.3	0.34
20.0	46.5	0.78
22.0	69.8	1.32
24.0	93.1	1.51
26.0	116.4	2.01
28.0	139.7	2.40
32.0	0.0	0.54

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		19.7
Strain Modulus - Ev ₂ Value (MN/m ²)		33.84
Ev ₂ /Ev ₁	1.71	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

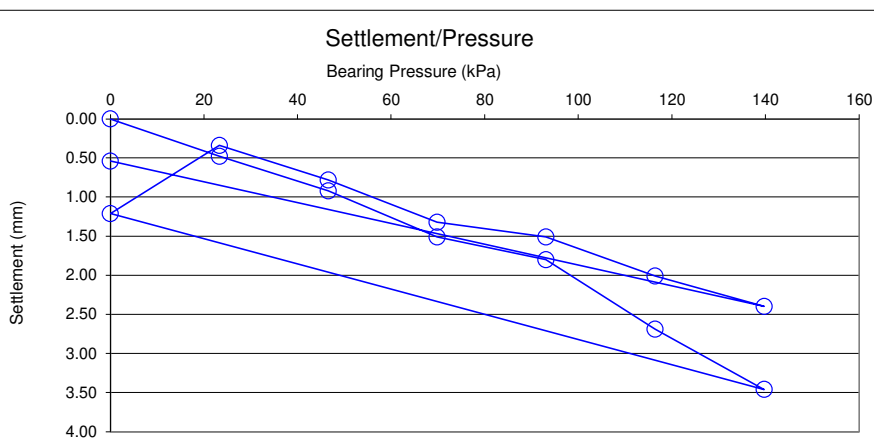
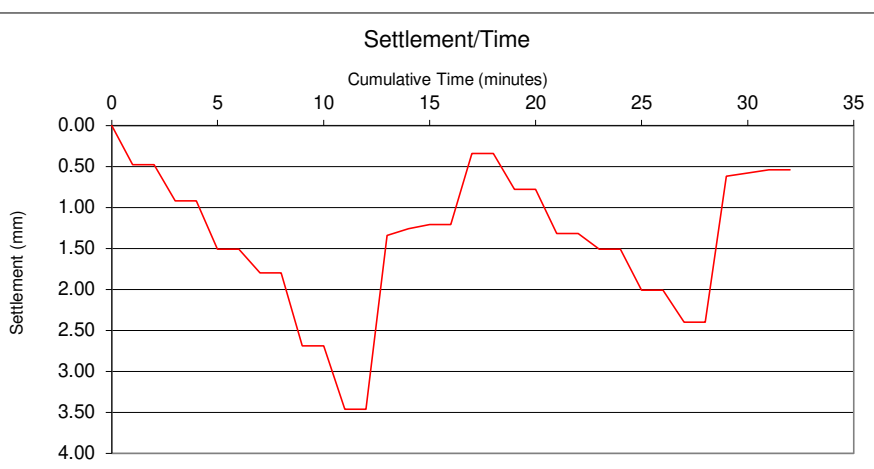


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	3.46 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

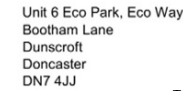
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

	C1583/189A
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C1583/189A

REPORT NO:

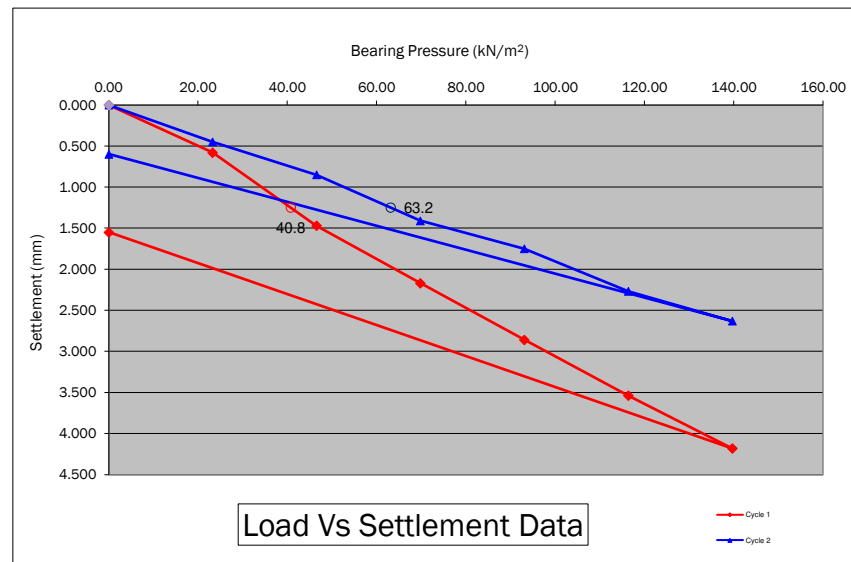
ETS/23866A

Report Date:

23/10/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.58	23.3	0.45
46.5	1.47	46.5	0.85
69.8	2.17	69.8	1.41
93.1	2.86	93.1	1.75
116.4	3.54	116.4	2.27
139.7	4.18	139.7	2.63
0.0	1.55	0.0	0.60
Recovery %	63		77



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	2.63	mm	Cycle 1	2.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	40.8	kN/m ²	Cycle 2	5.9	
Modulus of Subgrade Reaction K762	26.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

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**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

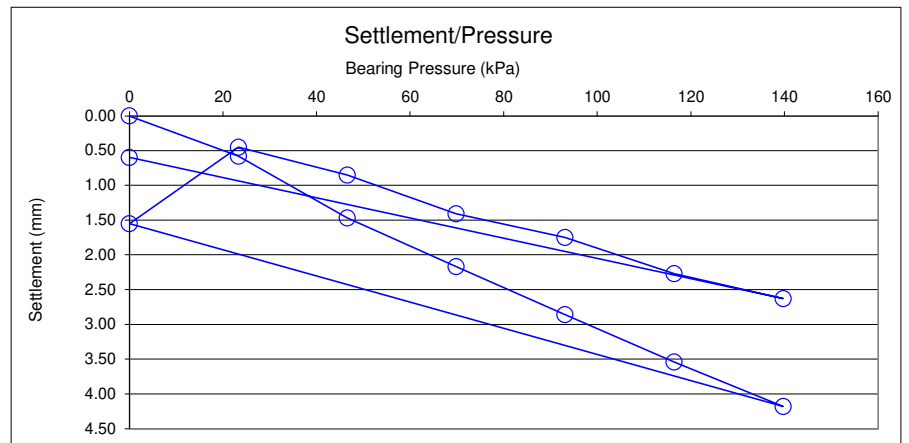
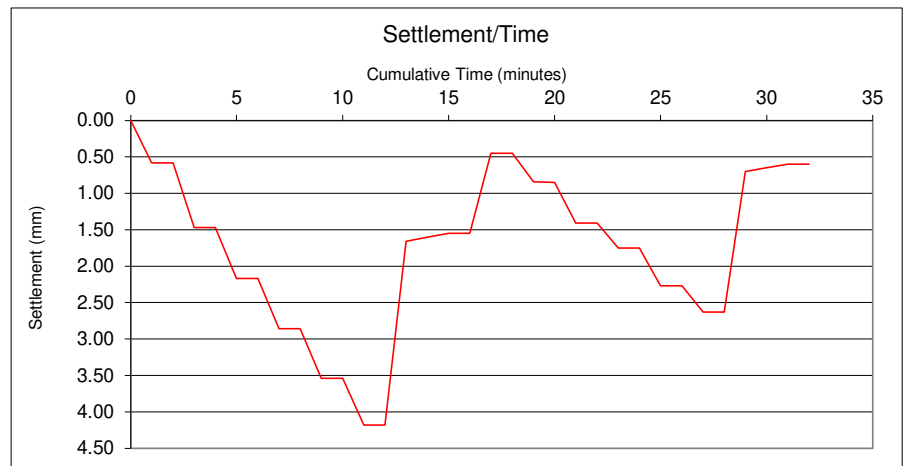
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/189A	REPORT NO: ETS/23866A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/189A	Report Date: 23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z4 Layer 8 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.58
4.0	46.5	1.47
6.0	69.8	2.17
8.0	93.1	2.86
10.0	116.4	3.54
12.0	139.7	4.18
16.0	0.0	1.55
18.0	23.3	0.45
20.0	46.5	0.85
22.0	69.8	1.41
24.0	93.1	1.75
26.0	116.4	2.27
28.0	139.7	2.63
32.0	0.0	0.60



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		14.3
Strain Modulus - Ev ₂ Value (MN/m ²)		32.12
Ev ₂ /Ev ₁	2.24	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.7 kPa
Reaction Load	20T Roller	Maximum Settlement	4.18 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

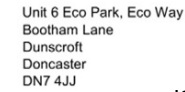
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/189B

C1583/189B

REPORT NO:

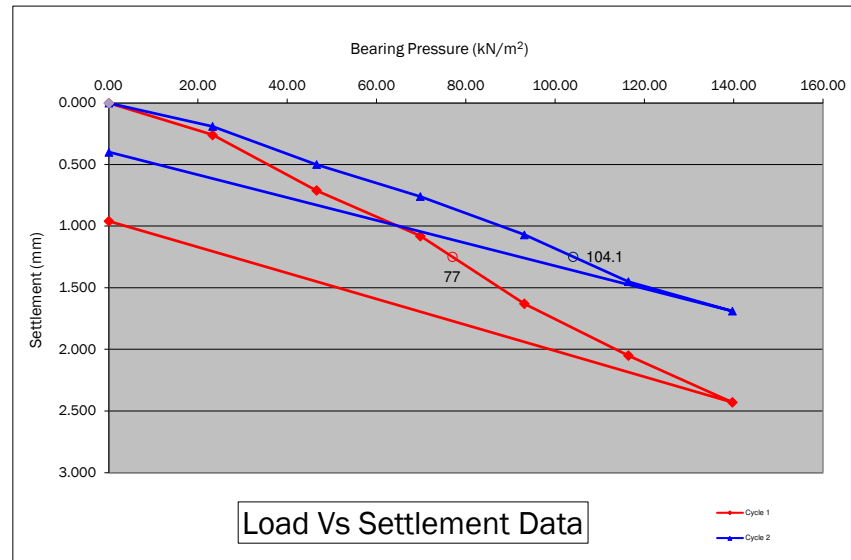
ETS/23866B

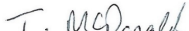
Report Date:

23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z6 Layer 9 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.69	mm	Cycle 1	8.4	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	77.0	kN/m²	Cycle 2	14.1	
Modulus of Subgrade Reaction K762	49.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

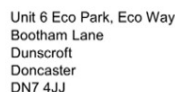
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/189B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/189B

REPORT NO: ETS/23866B

Report Date: 23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z6 Layer 9 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.26
4.0	46.5	0.71
6.0	69.8	1.08
8.0	93.1	1.63
10.0	116.4	2.05
12.0	139.7	2.43
16.0	0.0	0.96
18.0	23.3	0.19
20.0	46.5	0.50
22.0	69.8	0.76
24.0	93.1	1.07
26.0	116.4	1.45
28.0	139.7	1.69
32.0	0.0	0.40

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		23.4
Strain Modulus - Ev ₂ Value (MN/m ²)		47.30
Ev ₂ /Ev ₁	2.02	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

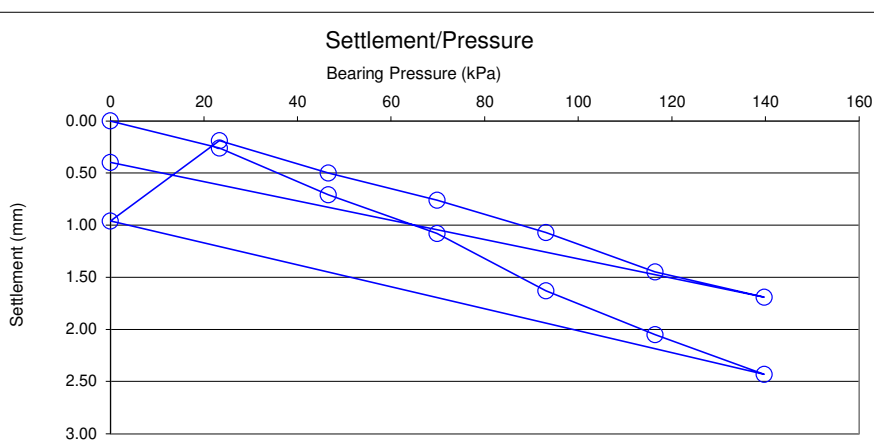
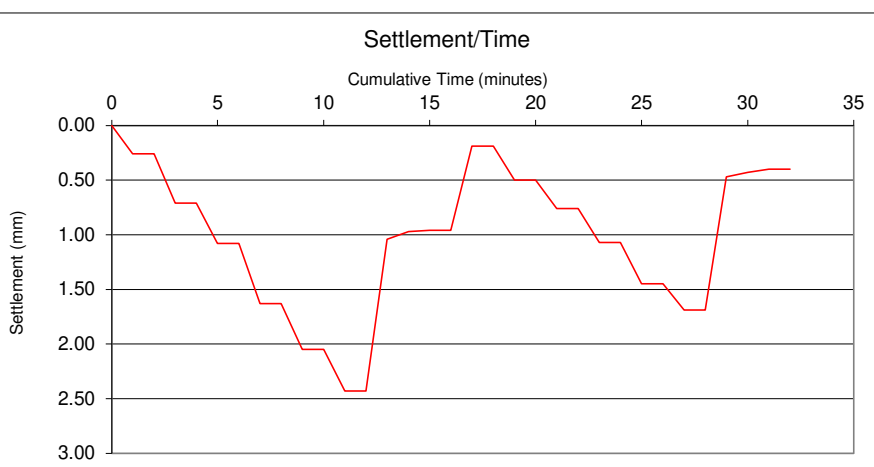


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	2.43 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

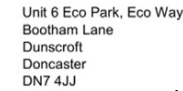
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/189C

REPORT NO:

ETS/23866C

Clients Reference:

C1583/189C

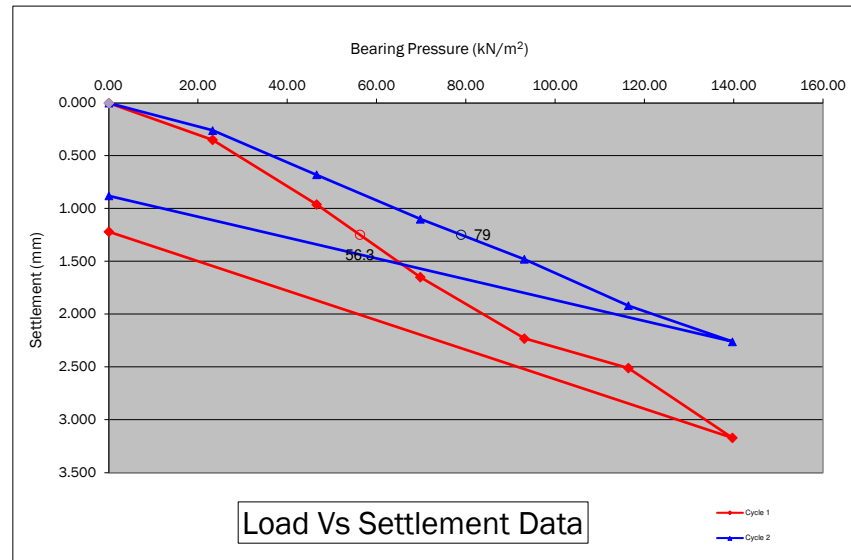
Report Date:

23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	28 Layer 15 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.35	23.3	0.26
46.5	0.96	46.5	0.68
69.8	1.65	69.8	1.10
93.1	2.23	93.1	1.48
116.4	2.51	116.4	1.92
139.7	3.17	139.7	2.26
0.0	1.22	0.0	0.88
Recovery %	62		61



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.26	mm	Cycle 1	4.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	56.3	kN/m²	Cycle 2	8.7	
Modulus of Subgrade Reaction K762	36.2	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

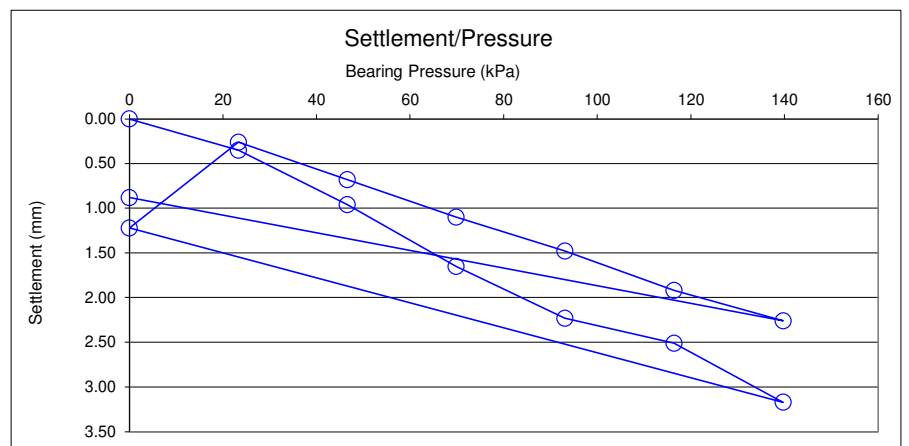
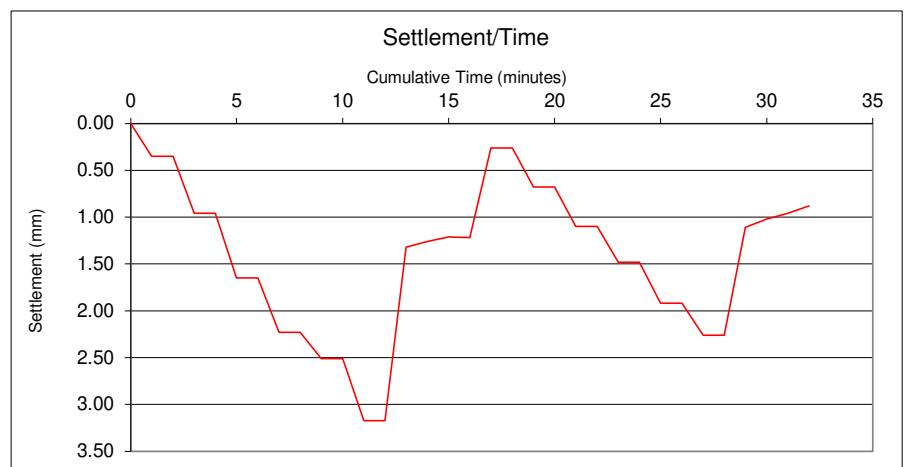
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/189C	REPORT NO: ETS/23866C
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/189C	Report Date: 23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z8 Layer 15 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.35
4.0	46.5	0.96
6.0	69.8	1.65
8.0	93.1	2.23
10.0	116.4	2.51
12.0	139.7	3.17
16.0	0.0	1.22
18.0	23.3	0.26
20.0	46.5	0.68
22.0	69.8	1.10
24.0	93.1	1.48
26.0	116.4	1.92
28.0	139.7	2.26
32.0	0.0	0.88



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		18.2
Strain Modulus - Ev ₂ Value (MN/m ²)		34.87
Ev ₂ /Ev ₁	1.92	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.7 kPa
Reaction Load	20T Roller	Maximum Settlement	3.17 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

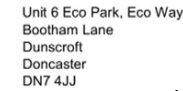
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

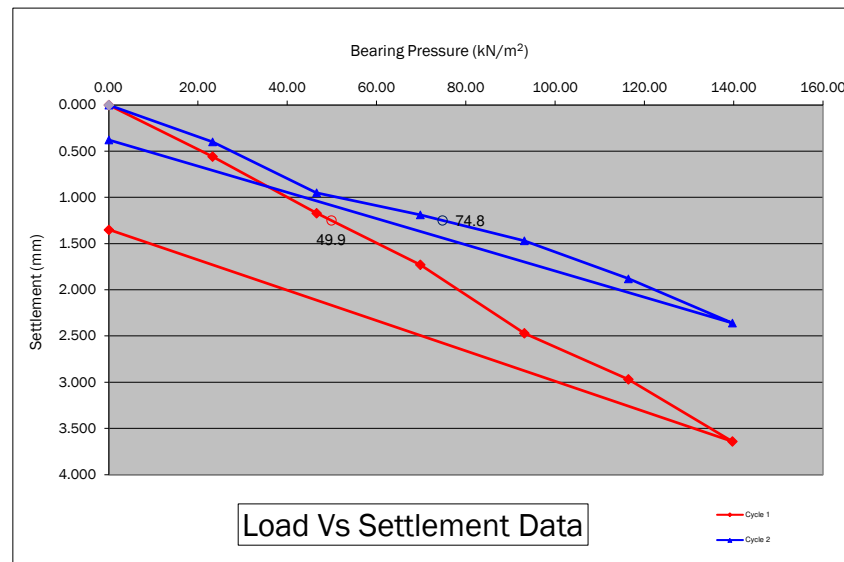
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Contract Test Reference: C1583/189D Clients Reference: C1583/189D	REPORT NO: ETS/23866D Report Date: 23/10/2025
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TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z10 Layer 18 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.56	23.3	0.40
46.5	1.17	46.5	0.95
69.8	1.73	69.8	1.19
93.1	2.47	93.1	1.47
116.4	2.97	116.4	1.88
139.7	3.64	139.7	2.36
0.0	1.35	0.0	0.38
Recovery %	63		84



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	2.36	mm	Cycle 1	3.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	49.9	kN/m ²	Cycle 2	7.9	
Modulus of Subgrade Reaction K762	32.1	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

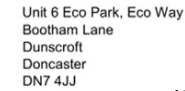
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/189E

C1583/189E

REPORT NO:

ETS/23866E

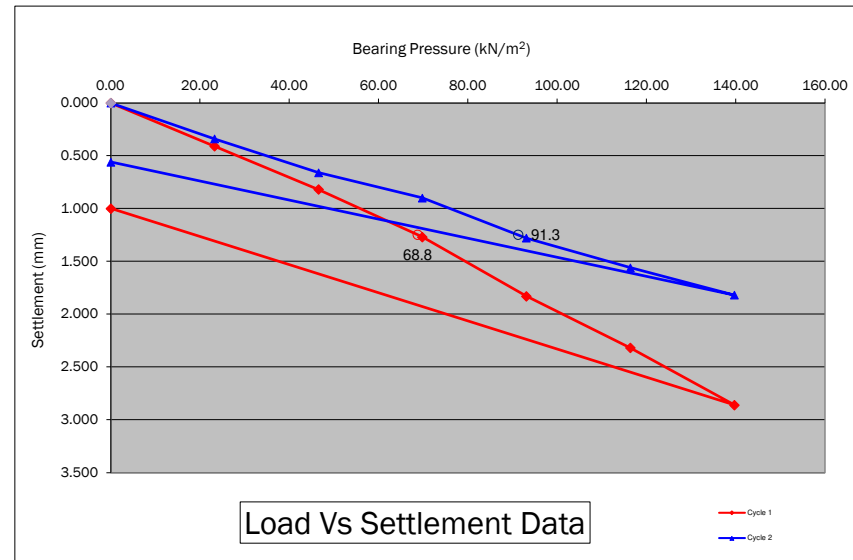
Report Date:

23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z11 Layer 15 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.41	23.3	0.34
46.5	0.82	46.5	0.66
69.8	1.27	69.8	0.90
93.1	1.83	93.1	1.28
116.4	2.32	116.4	1.56
139.7	2.86	139.7	1.82
0.0	1.00	0.0	0.56
Recovery %	65		69

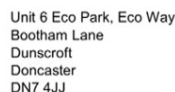


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.82	mm	Cycle 1	6.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.8	kN/m²	Cycle 2	11.2	
Modulus of Subgrade Reaction K762	44.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/189E

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/189E

REPORT NO: ETS/23866E

Report Date: 23/10/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	22/10/2025
Test Location:	Z11 Layer 15 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.41
4.0	46.5	0.82
6.0	69.8	1.27
8.0	93.1	1.83
10.0	116.4	2.32
12.0	139.7	2.86
16.0	0.0	1.00
18.0	23.3	0.34
20.0	46.5	0.66
22.0	69.8	0.90
24.0	93.1	1.28
26.0	116.4	1.56
28.0	139.7	1.82
32.0	0.0	0.56

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		21.6
Strain Modulus - Ev ₂ Value (MN/m ²)		46.18
Ev ₂ /Ev ₁	2.14	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

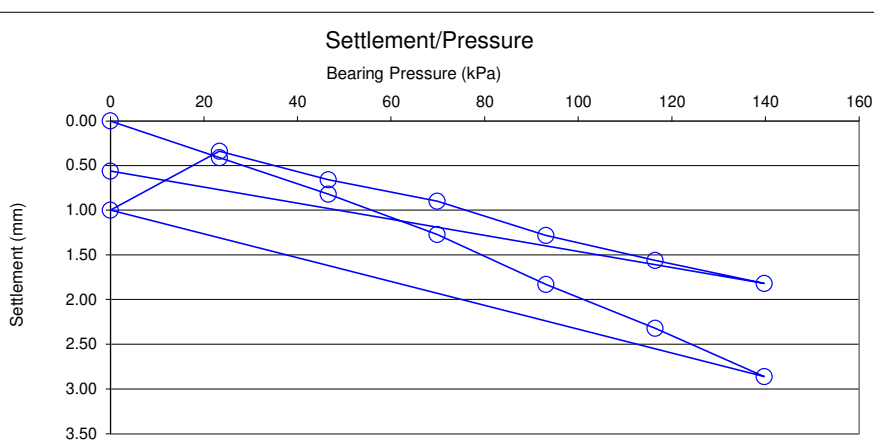
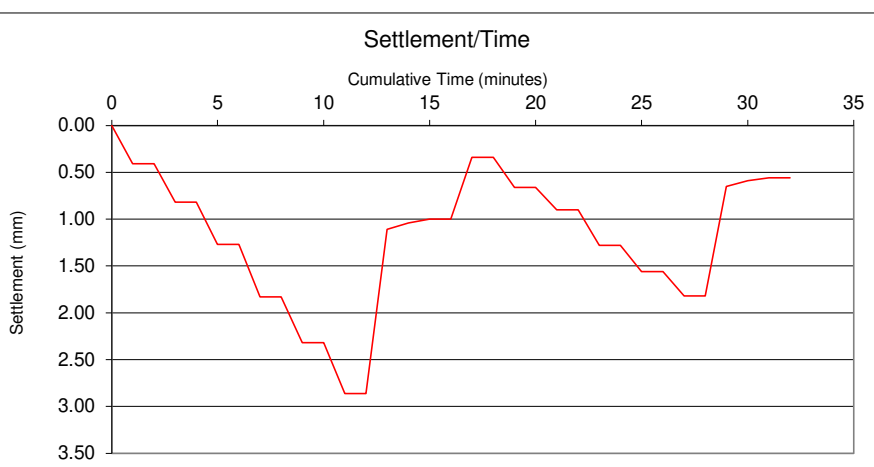


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	2.86 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

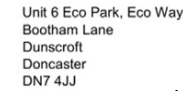
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/193

REPORT NO:

ETS/23935

Clients Reference:

C1583/193

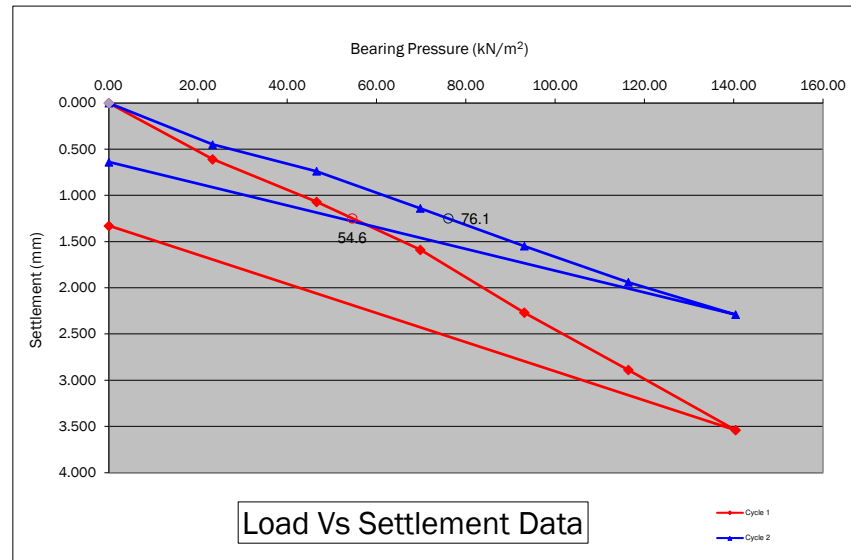
Report Date:

03/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel +2% OPC (Class 7)	Date Tested:	24/10/2025
Test Location:	X8 Layer 5 Re-Test	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.61	23.3	0.45
46.5	1.07	46.5	0.74
69.8	1.59	69.8	1.14
93.1	2.27	93.1	1.55
116.4	2.89	116.4	1.94
140.4	3.54	140.4	2.29
0.0	1.33	0.0	0.64
Recovery %	62		72



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	140.4	kN/m ²			
Maximum Settlement	2.29	mm	Cycle 1	4.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	54.6	kN/m ²	Cycle 2	8.2	
Modulus of Subgrade Reaction K762	35.1	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

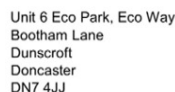
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/193

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/193

REPORT NO: ETS/23935

Report Date: 03/11/2025

TEST REPORT

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.61
4.0	46.5	1.07
6.0	69.8	1.59
8.0	93.1	2.27
10.0	116.4	2.89
12.0	140.4	3.54
16.0	0.0	1.33
18.0	23.3	0.45
20.0	46.5	0.74
22.0	69.8	1.14
24.0	93.1	1.55
26.0	116.4	1.94
28.0	140.4	2.29
32.0	0.0	0.64

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		18.2
Strain Modulus - Ev ₂ Value (MN/m ²)		37.86
Ev ₂ /Ev ₁	2.08	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

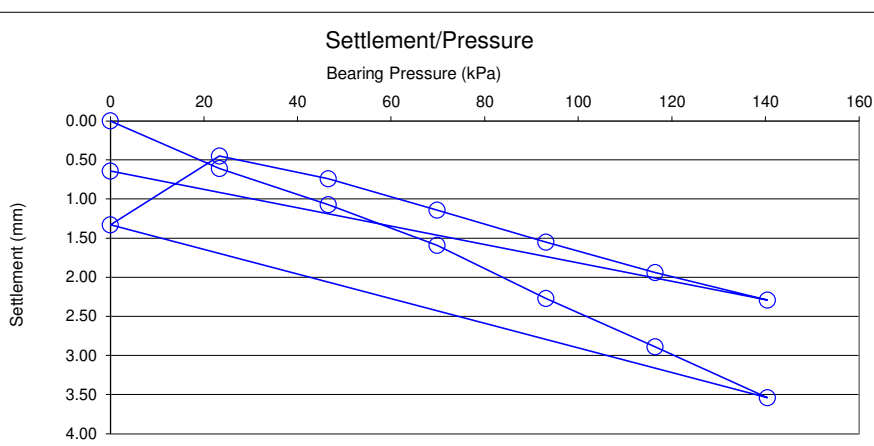
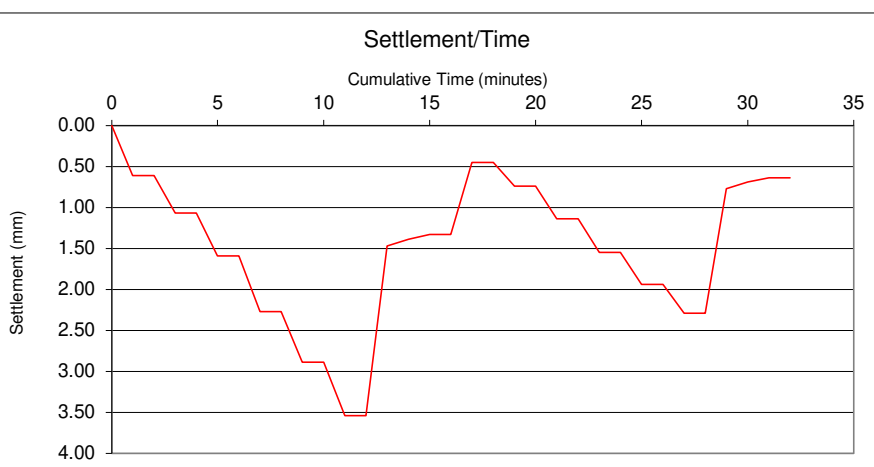


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	140.4 kPa
Maximum Settlement	3.54 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

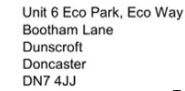
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/206A

C1583/206A

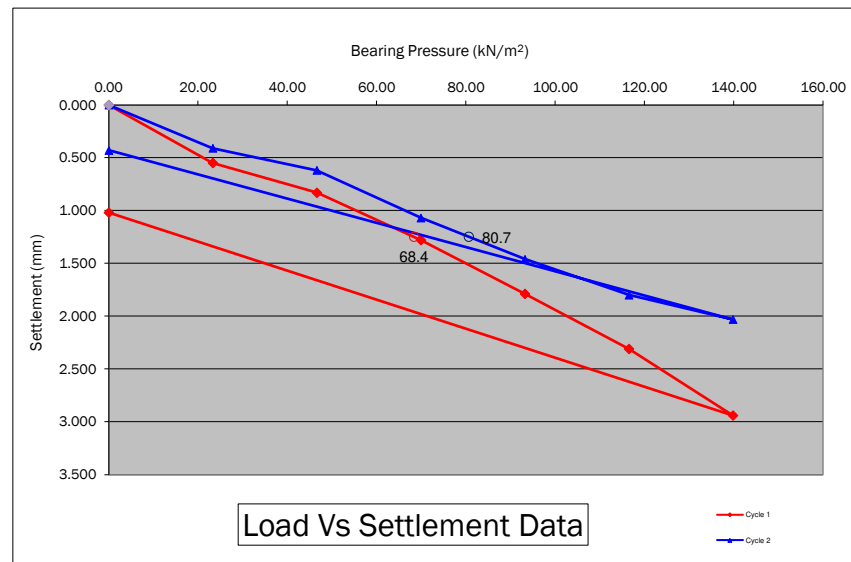
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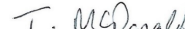
ETS/23992A

Report Date:

03/11/2025

TEST REPORT

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	2.03	mm	Cycle 1	6.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.4	kN/m ²	Cycle 2	9.1	
Modulus of Subgrade Reaction K762	44.0	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

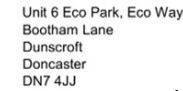
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/206B

REPORT NO:

ETS/23992B

Clients Reference:

C1583/206B

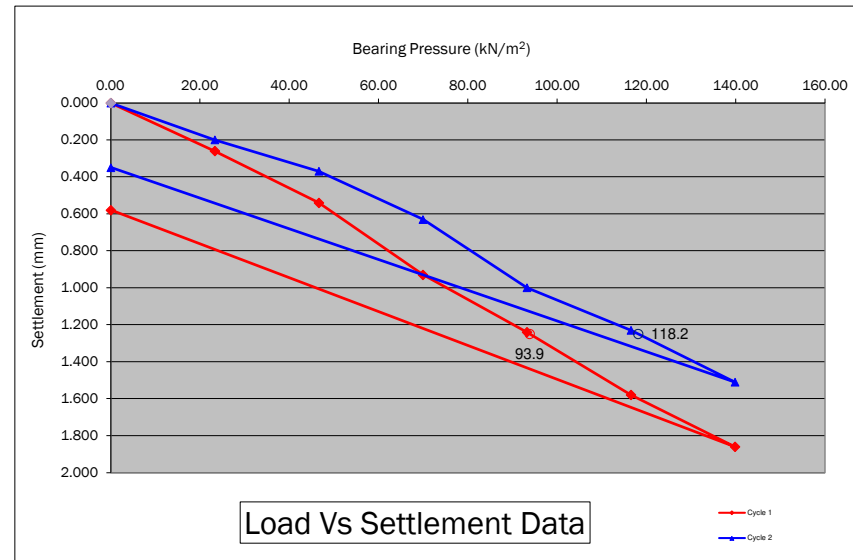
Report Date:

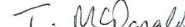
03/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	28/10/2025
Test Location:	W8 Sub Formation Re-Test	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.26	23.3	0.20
46.6	0.54	46.6	0.37
69.9	0.93	69.9	0.63
93.2	1.24	93.2	1.00
116.5	1.58	116.5	1.23
139.8	1.86	139.8	1.51
0.0	0.58	0.0	0.35
Recovery %	69		77



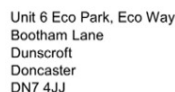
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m²			
Maximum Settlement	1.51	mm	Cycle 1	11.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	93.9	kN/m²	Cycle 2	17.6	
Modulus of Subgrade Reaction K762	60.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested.		
			This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/206B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/206B

REPORT NO: ETS/23992B

Report Date: 03/11/2025

TEST REPORT

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.26
4.0	46.6	0.54
6.0	69.9	0.93
8.0	93.2	1.24
10.0	116.5	1.58
12.0	139.8	1.86
16.0	0.0	0.58
18.0	23.3	0.20
20.0	46.6	0.37
22.0	69.9	0.63
24.0	93.2	1.00
26.0	116.5	1.23
28.0	139.8	1.51
32.0	0.0	0.35

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		31.5
Strain Modulus - Ev ₂ Value (MN/m ²)		48.92
Ev ₂ /Ev ₁	1.56	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

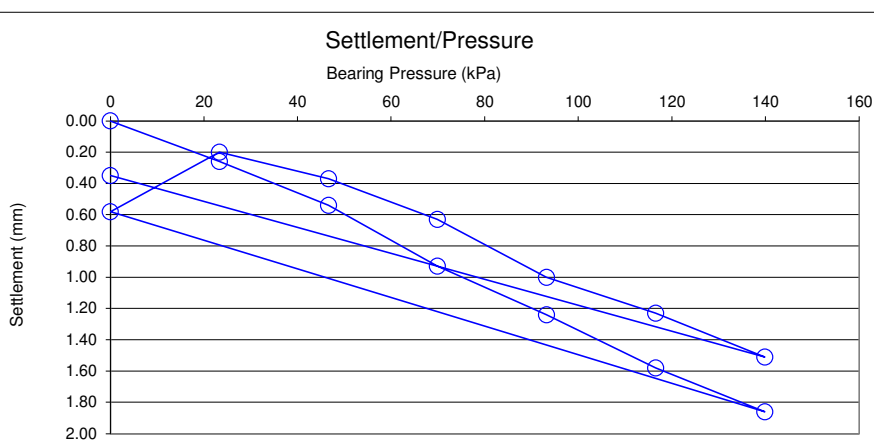
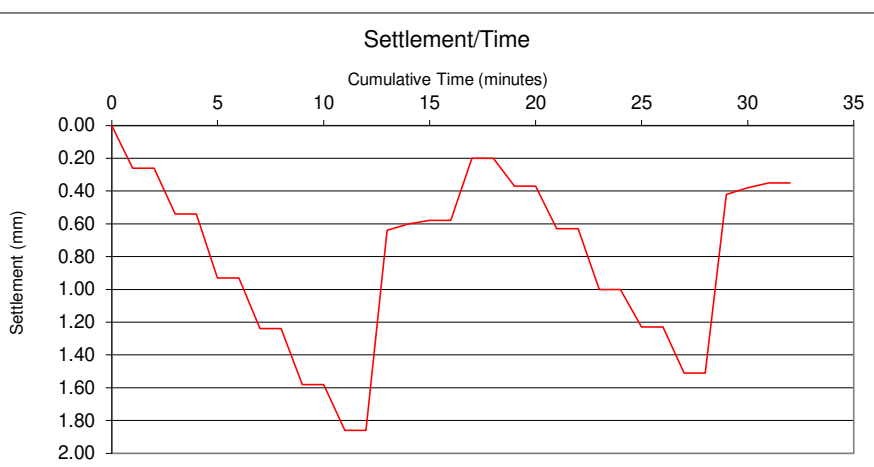


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.8 kPa
Maximum Settlement	1.86 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

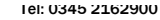
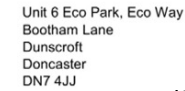
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



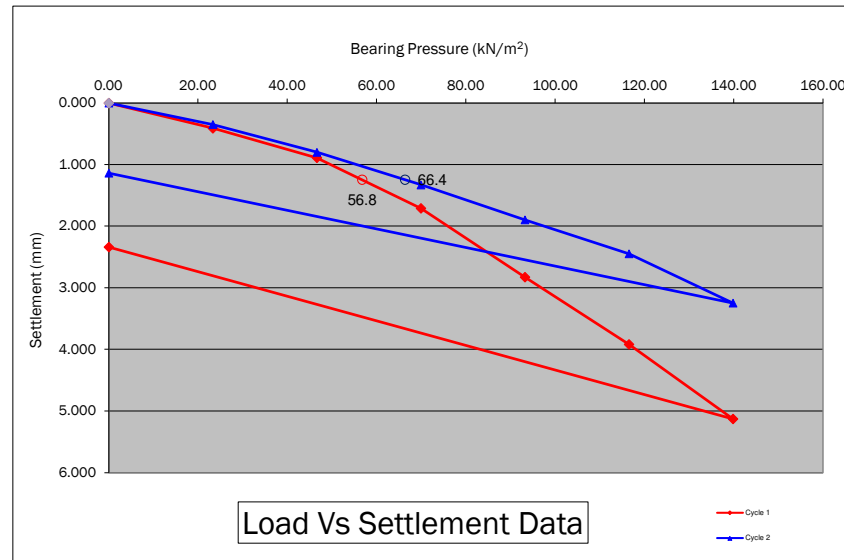
Email: ops@earthworkstesting.co.uk

Plate Loading Test to determine equivalent CBR Value		Contract Test Reference:	C1583/209A	REPORT NO:	ETS/23995A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)		Clients Reference:	C1583/209A	Report Date:	03/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	28/10/2025
Test Location:	X6 Layer 5 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.41	23.3	0.35
46.6	0.89	46.6	0.80
69.9	1.71	69.9	1.33
93.2	2.83	93.2	1.90
116.5	3.92	116.5	2.45
139.8	5.13	139.8	3.25
0.0	2.34	0.0	1.14
Recovery %	54		65



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m²			
Maximum Settlement	3.25	mm	Cycle 1	4.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	56.8	kN/m²	Cycle 2	6.5	
Modulus of Subgrade Reaction K762	36.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

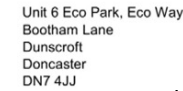
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/209B

REPORT NO:

ETS/23995B

Clients Reference:

C1583/209B

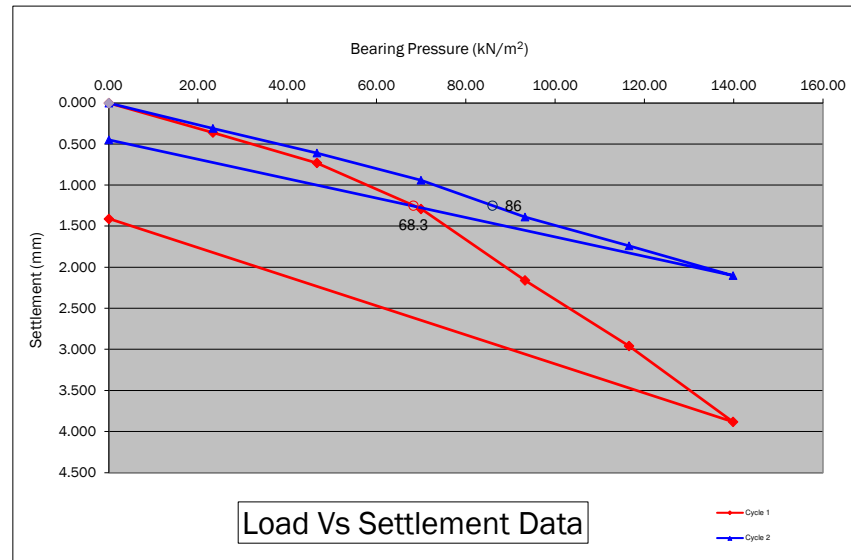
Report Date:

03/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	28/10/2025
Test Location:	X8 Layer 10 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.36	23.3	0.31
46.6	0.73	46.6	0.61
69.9	1.29	69.9	0.94
93.2	2.16	93.2	1.39
116.5	2.96	116.5	1.74
139.8	3.88	139.8	2.10
0.0	1.41	0.0	0.45
Recovery %	64		79

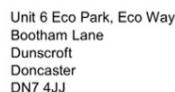


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.8	kN/m ²			
Maximum Settlement	2.1	mm	Cycle 1	6.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.3	kN/m ²	Cycle 2	10.1	
Modulus of Subgrade Reaction K762	44.0	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/209B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/209B

REPORT NO: ETS/23995B

Report Date: 03/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	28/10/2025
Test Location:	X8 Layer 10 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.36
4.0	46.6	0.73
6.0	69.9	1.29
8.0	93.2	2.16
10.0	116.5	2.96
12.0	139.8	3.88
16.0	0.0	1.41
18.0	23.3	0.31
20.0	46.6	0.61
22.0	69.9	0.94
24.0	93.2	1.39
26.0	116.5	1.74
28.0	139.8	2.10
32.0	0.0	0.45

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		15.9
Strain Modulus - Ev ₂ Value (MN/m ²)		42.54
Ev ₂ /Ev ₁	2.68	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

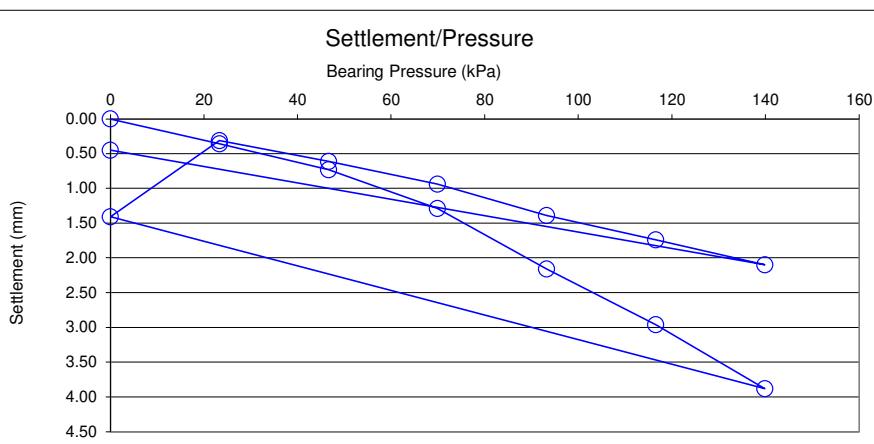
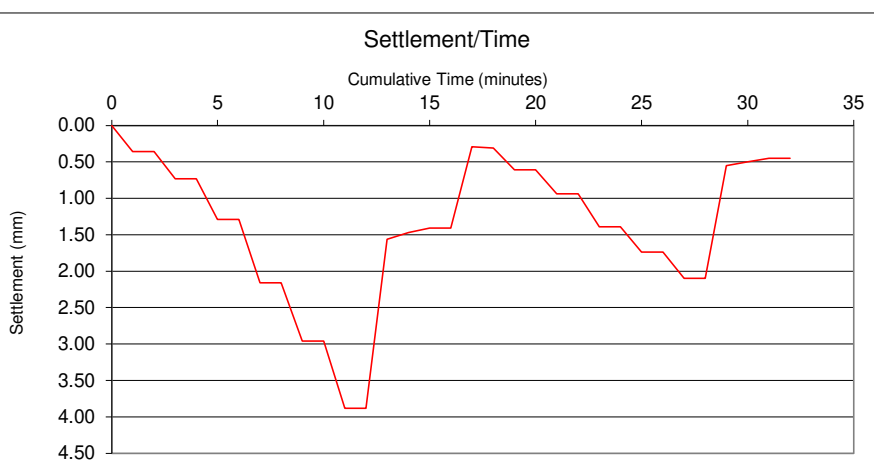


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.8 kPa
Maximum Settlement	3.88 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

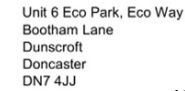
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/220

REPORT NO:**ETS/24032****Clients Reference:**

C1583/220

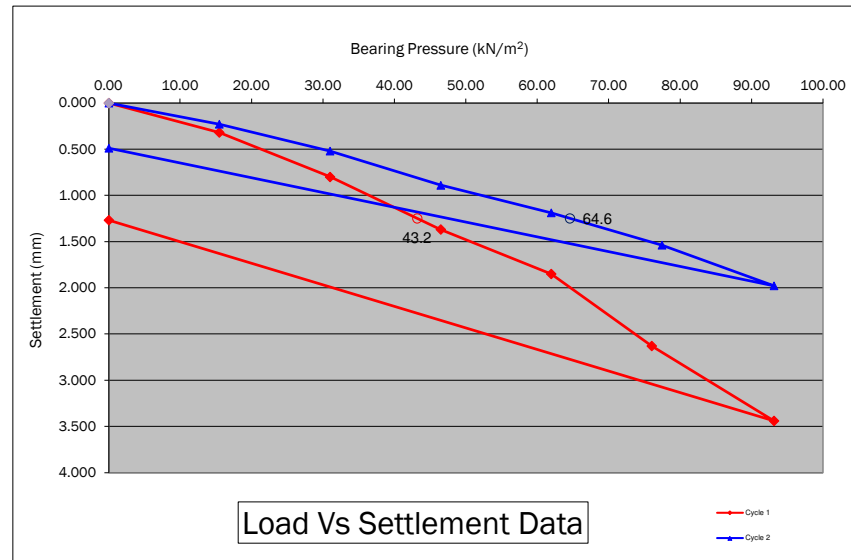
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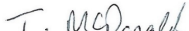
04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	29/10/2025
Test Location:	V4 Cut / FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
15.5	0.32	15.5	0.23
31.0	0.80	31.0	0.52
46.5	1.37	46.5	0.89
62.0	1.85	62.0	1.19
76.0	2.63	77.5	1.54
93.2	3.44	93.2	1.98
0.0	1.27	0.0	0.49
Recovery %	63		75

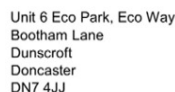


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	93.2	kN/m²			
Maximum Settlement	1.98	mm	Cycle 1	3.1	
Cycle 1 Values			Cycle 2	6.2	
Bearing Pressure @ 1.25mm Settlement	43.2	kN/m²			
Modulus of Subgrade Reaction K762	27.8	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/220

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/220

REPORT NO: ETS/24032

Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	29/10/2025
Test Location:	V4 Cut / FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	15.5	0.32
4.0	31.0	0.80
6.0	46.5	1.37
8.0	62.0	1.85
10.0	76.0	2.63
12.0	93.2	3.44
16.0	0.0	1.27
18.0	15.5	0.23
20.0	31.0	0.52
22.0	46.5	0.89
24.0	62.0	1.19
26.0	77.5	1.54
28.0	93.2	1.98
32.0	0.0	0.49

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.093	0.093
Strain Modulus - Ev ₁ Value (MN/m ²)		12.1
Strain Modulus - Ev ₂ Value (MN/m ²)		30.10
Ev ₂ /Ev ₁	2.48	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

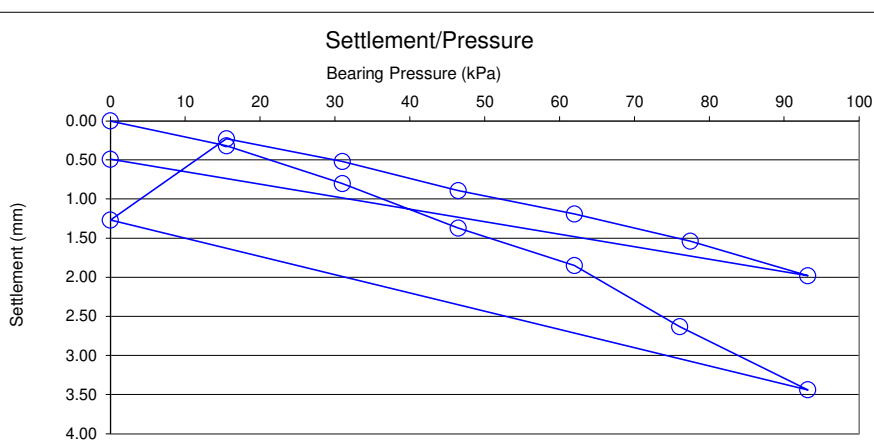
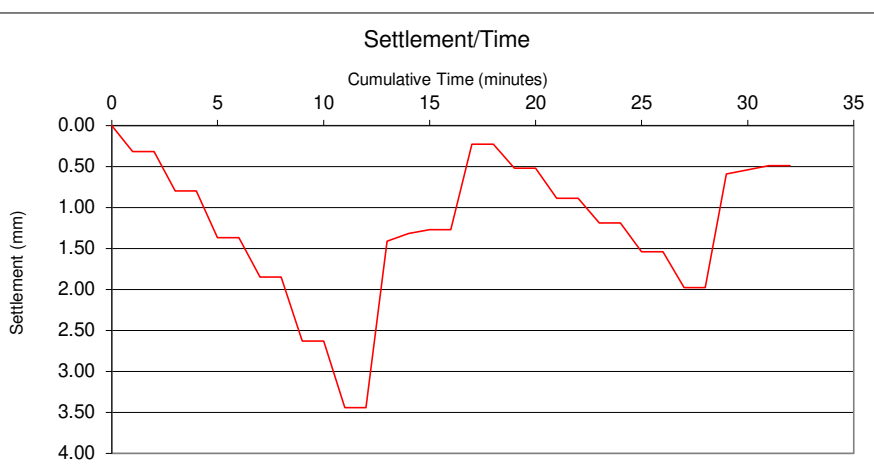


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	93.2 kPa
Maximum Settlement	3.44 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

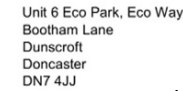
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/221A

REPORT NO:

ETS/24033A

Clients Reference:

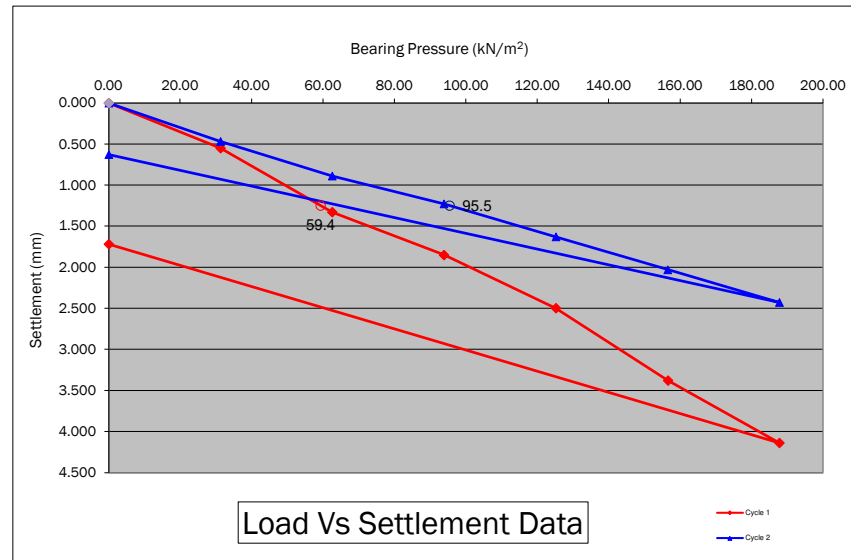
C1583/221A

Report Date:

04/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	29/10/2025
Test Location:	V6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	187.8	kN/m²			
Maximum Settlement	2.43	mm	Cycle 1	5.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	59.4	kN/m²	Cycle 2	12.1	
Modulus of Subgrade Reaction K762	38.2	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

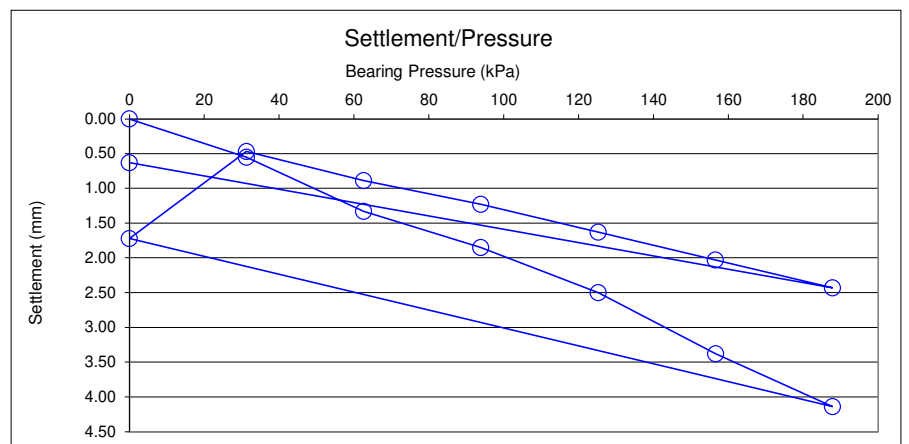
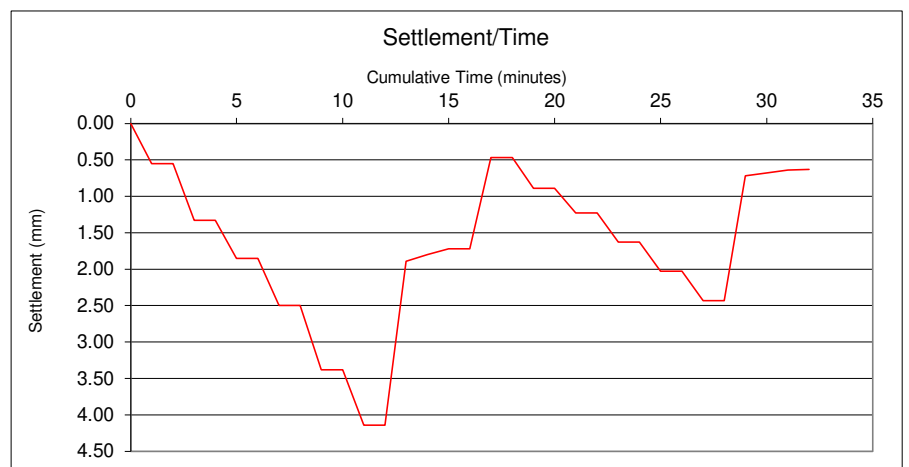
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/221A	REPORT NO: ETS/24033A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/221A	Report Date: 04/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	29/10/2025
Test Location:	V6 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	31.3	0.55
4.0	62.6	1.33
6.0	93.9	1.85
8.0	125.2	2.50
10.0	156.6	3.38
12.0	187.8	4.14
16.0	0.0	1.72
18.0	31.3	0.47
20.0	62.6	0.89
22.0	93.9	1.23
24.0	125.2	1.63
26.0	156.5	2.03
28.0	187.8	2.43
32.0	0.0	0.63



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.188	0.188
Strain Modulus - Ev ₂ Value (MN/m ²)		21.0
Strain Modulus - Ev ₂ Value (MN/m ²)		54.42
Ev ₂ /Ev ₁	2.60	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	187.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4.14 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.
This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.
The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.
Testing carried out at client's site location.

Authorised Signatory
T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

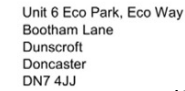
Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/221B

REPORT NO:

ETS/24033B

Clients Reference:

C1583/221B

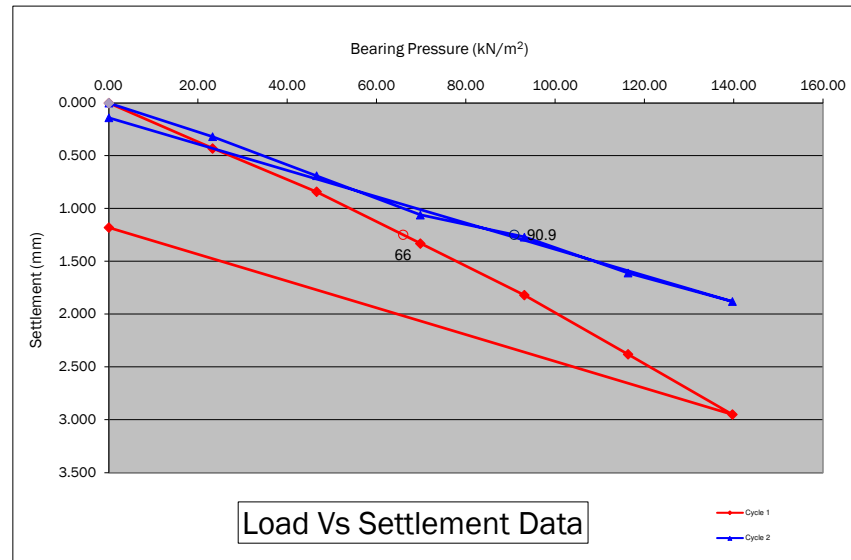
Report Date:

04/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	29/10/2025
Test Location:	T6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.43	23.3	0.32
46.5	0.84	46.5	0.69
69.8	1.33	69.8	1.06
93.1	1.82	93.1	1.27
116.4	2.38	116.4	1.61
139.7	2.95	139.7	1.88
0.0	1.18	0.0	0.14
Recovery %	60		93



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.88	mm	Cycle 1	6.4	
Cycle 1 Values			Cycle 2	11.1	
Bearing Pressure @ 1.25mm Settlement	66.0	kN/m²			
Modulus of Subgrade Reaction K762	42.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested.		
			This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

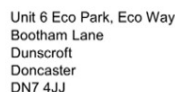
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/221B

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/221B

REPORT NO: ETS/24033B

Report Date: 04/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	29/10/2025
Test Location:	T6 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.43
4.0	46.5	0.84
6.0	69.8	1.33
8.0	93.1	1.82
10.0	116.4	2.38
12.0	139.7	2.95
16.0	0.0	1.18
18.0	23.3	0.32
20.0	46.5	0.69
22.0	69.8	1.06
24.0	93.1	1.27
26.0	116.4	1.61
28.0	139.7	1.88
32.0	0.0	0.14

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		21.4
Strain Modulus - Ev ₂ Value (MN/m ²)		47.02
Ev ₂ /Ev ₁	2.20	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

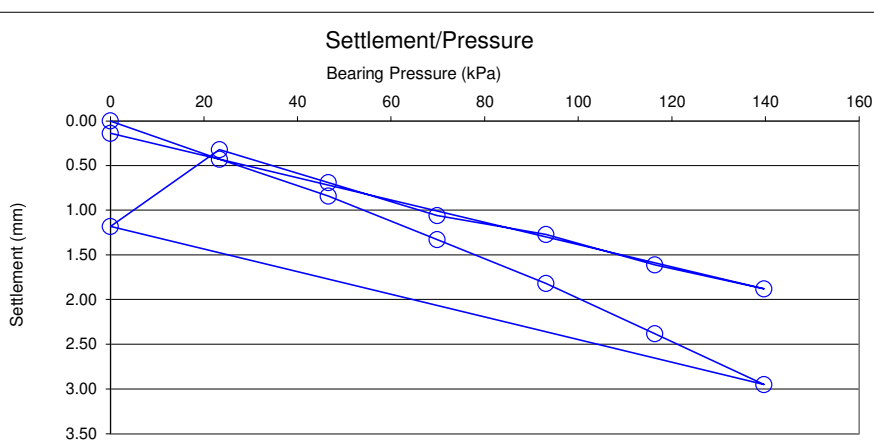
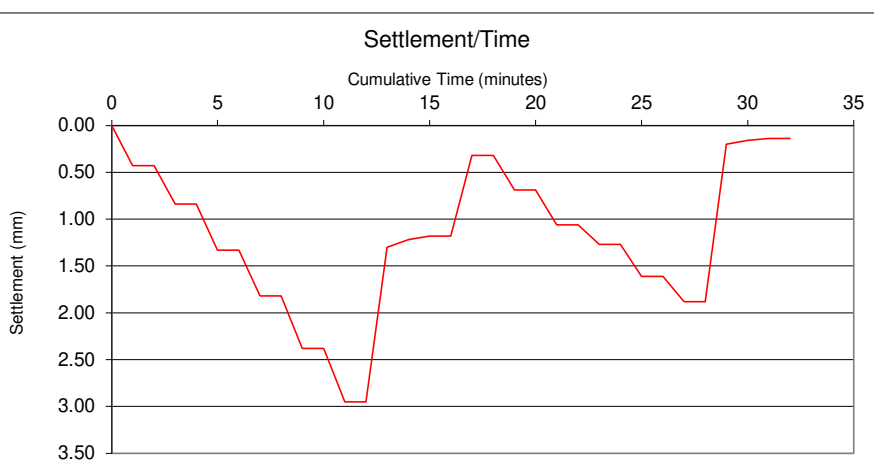


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	2.95 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

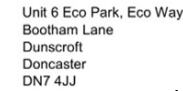
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/221C

REPORT NO:

ETS/24033C

Clients Reference:

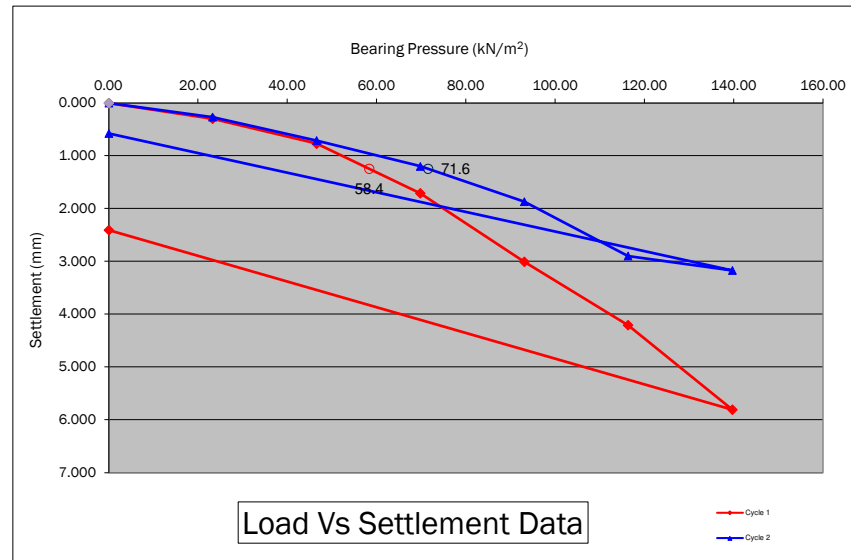
C1583/221C

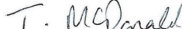
Report Date:

04/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	29/10/2025
Test Location:	R6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

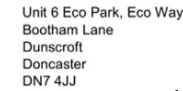
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Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	3.17	mm	Cycle 1	5.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	58.4	kN/m²	Cycle 2	7.4	
Modulus of Subgrade Reaction K762	37.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/224

C1583/224

REPORT NO:

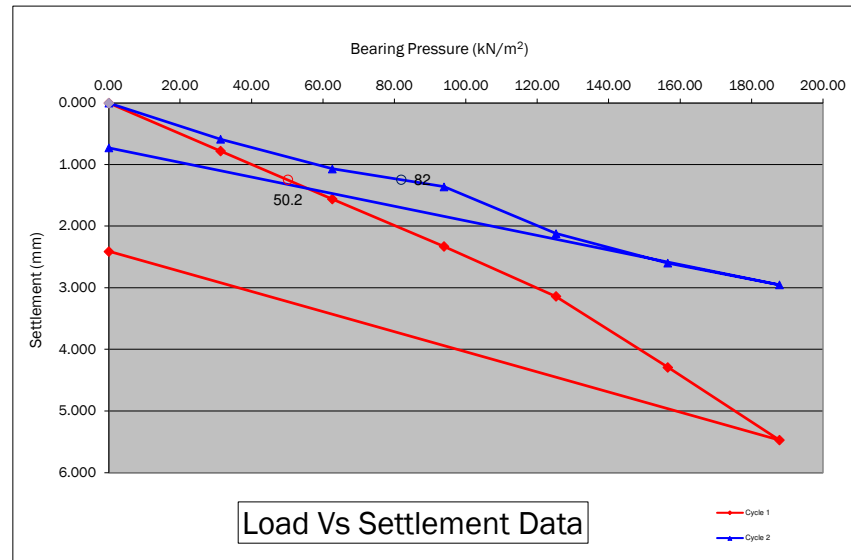
ETS/24036

Report Date:

04/11/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m^2	mm	kN/m^2	mm
31.3	0.78	31.3	0.59
62.6	1.56	62.6	1.07
93.9	2.33	93.9	1.36
125.2	3.14	125.2	2.12
156.5	4.29	156.5	2.60
187.8	5.47	187.8	2.95
0.0	2.41	0.0	0.73
Recovery %	56		75



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	187.8	kN/m ²			
Maximum Settlement	2.95	mm	Cycle 1	4.0	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	50.2	kN/m ²	Cycle 2	9.3	
Modulus of Subgrade Reaction K762	32.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

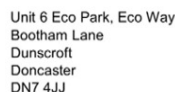
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/224

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/224

REPORT NO: ETS/24036

Report Date: 04/11/2025

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	29/10/2025
Test Location:	V6 Layer 1 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	31.3	0.78
4.0	62.6	1.56
6.0	93.9	2.33
8.0	125.2	3.14
10.0	156.5	4.29
12.0	187.8	5.47
16.0	0.0	2.41
18.0	31.3	0.59
20.0	62.6	1.07
22.0	93.9	1.36
24.0	125.2	2.12
26.0	156.5	2.60
28.0	187.8	2.95
32.0	0.0	0.73

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.188	0.188
Strain Modulus - Ev ₂ Value (MN/m ²)		16.5
Strain Modulus - Ev ₂ Value (MN/m ²)		45.59
Ev ₂ /Ev ₁	2.77	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

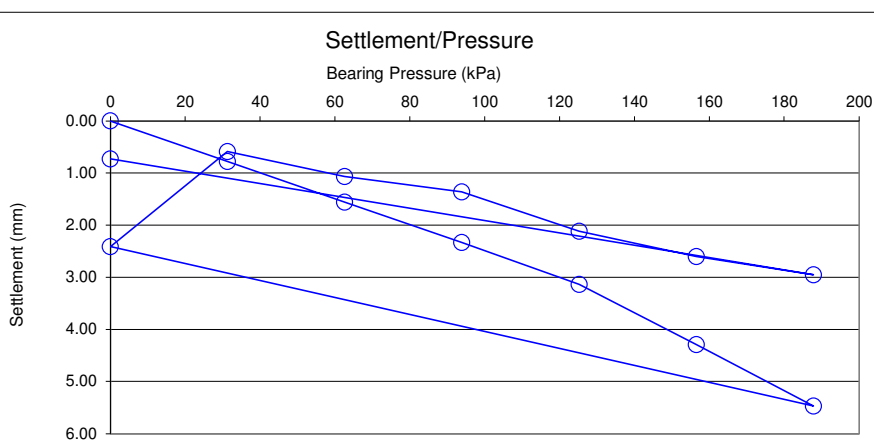
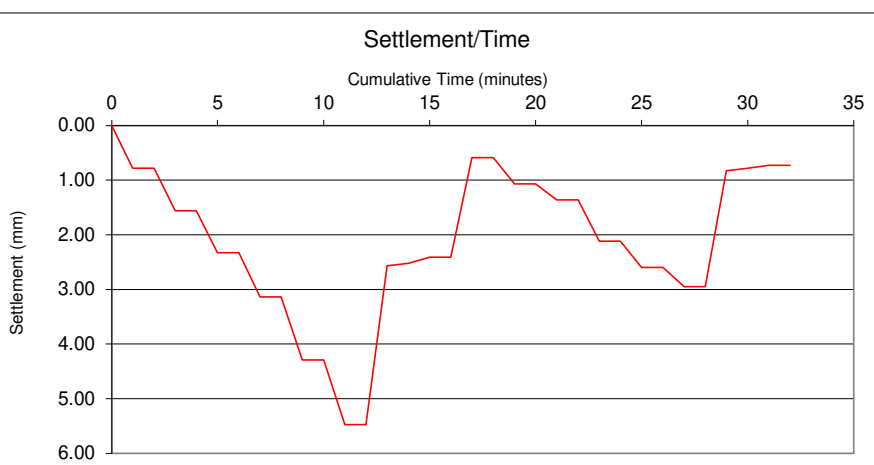


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	187.8 kPa
Maximum Settlement	5.47 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

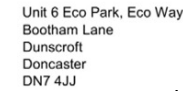
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/229A

REPORT NO:

ETS/24112A

Clients Reference:

C1583/229A

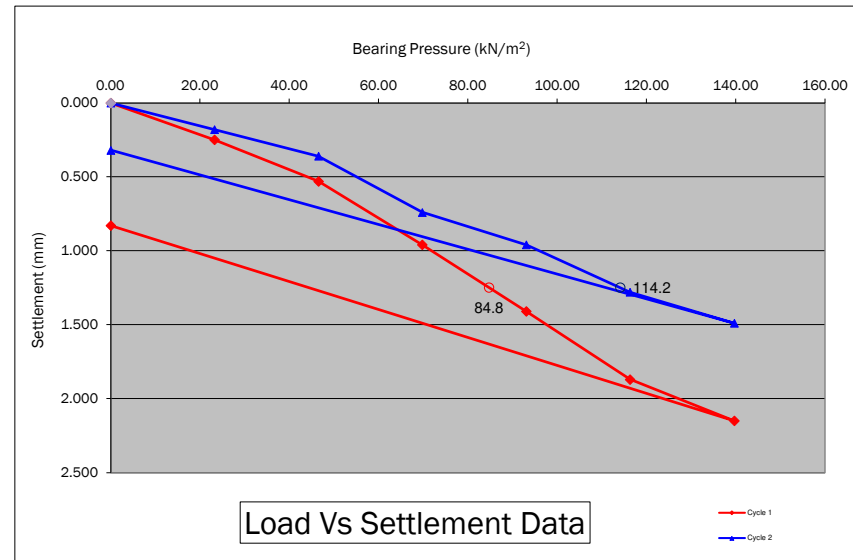
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	V6 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.25	23.3	0.18
46.5	0.53	46.5	0.36
69.8	0.96	69.8	0.74
93.1	1.41	93.1	0.96
116.4	1.87	116.4	1.28
139.7	2.15	139.7	1.49
0.0	0.83	0.0	0.32
Recovery %	61		79



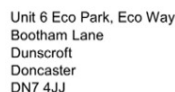
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	1.49	mm	Cycle 1	9.9	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	84.8	kN/m ²	Cycle 2	16.5	
Modulus of Subgrade Reaction K762	54.6	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/229A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/229A

REPORT NO: ETS/24112A

Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	V6 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.25
4.0	46.5	0.53
6.0	69.8	0.96
8.0	93.1	1.41
10.0	116.4	1.87
12.0	139.7	2.15
16.0	0.0	0.83
18.0	23.3	0.18
20.0	46.5	0.36
22.0	69.8	0.74
24.0	93.1	0.96
26.0	116.4	1.28
28.0	139.7	1.49
32.0	0.0	0.32

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		25.7
Strain Modulus - Ev ₂ Value (MN/m ²)		52.26
Ev ₂ /Ev ₁	2.04	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

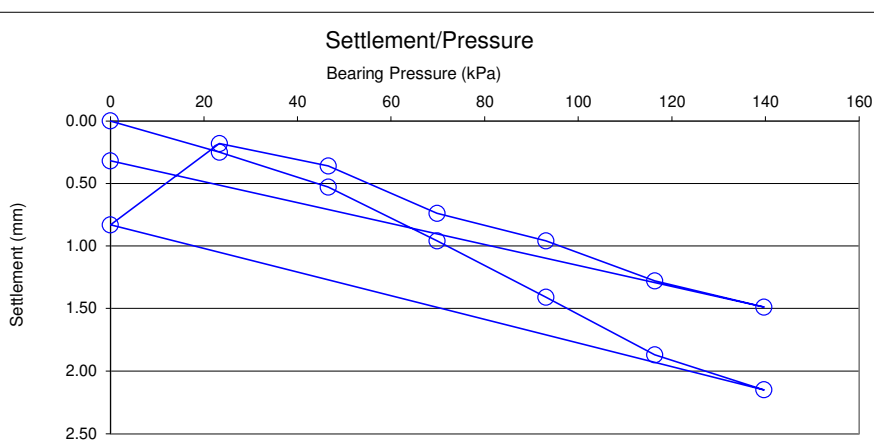
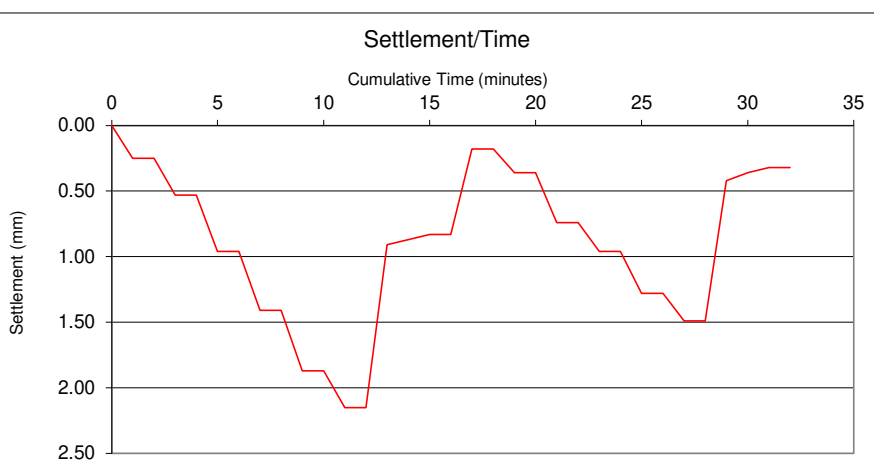


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	2.15 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

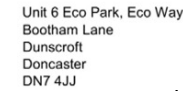
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/229B

REPORT NO:

ETS/24112B

Clients Reference:

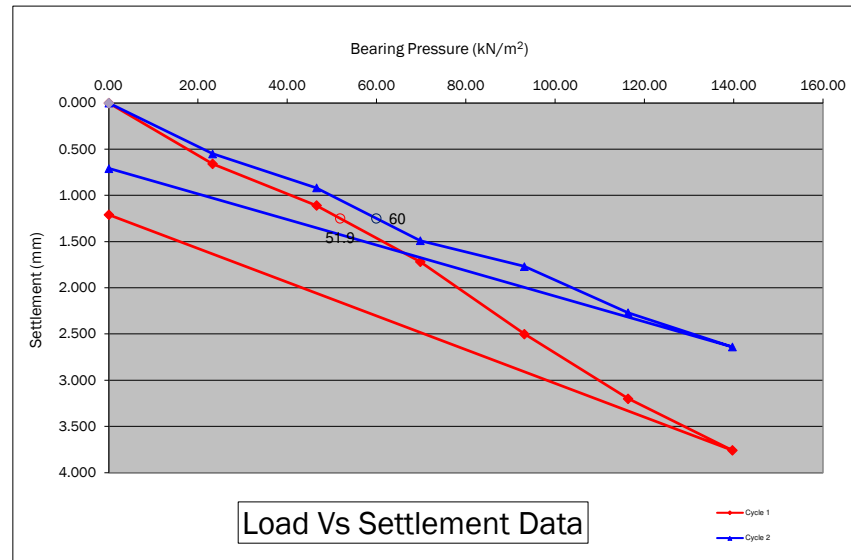
C1583/229B

Report Date:

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	T6 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.66	23.3	0.55
46.5	1.11	46.5	0.92
69.8	1.72	69.8	1.49
93.1	2.50	93.1	1.77
116.4	3.20	116.4	2.27
139.7	3.76	139.7	2.64
0.0	1.21	0.0	0.71
Recovery %	68		73

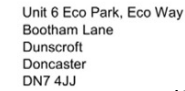


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	2.64	mm	Cycle 1	4.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	51.9	kN/m ²	Cycle 2	5.4	
Modulus of Subgrade Reaction K762	33.4	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/229C

REPORT NO:

ETS/24112C

Clients Reference:

C1583/229C

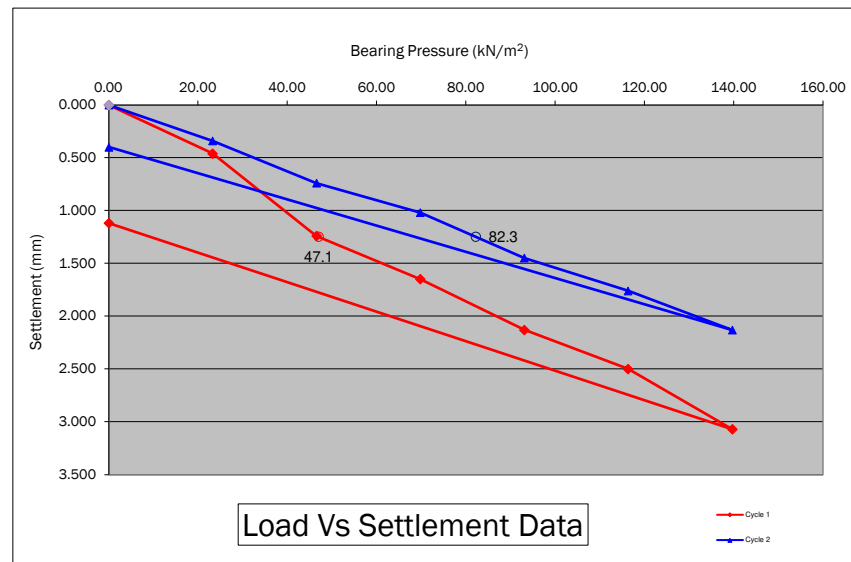
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	R6 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.46	23.3	0.34
46.5	1.24	46.5	0.74
69.8	1.65	69.8	1.02
93.1	2.13	93.1	1.45
116.4	2.50	116.4	1.76
139.7	3.07	139.7	2.13
0.0	1.12	0.0	0.40
Recovery %	64		81



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.13	mm	Cycle 1	3.6	
Cycle 1 Values			Cycle 2	9.4	
Bearing Pressure @ 1.25mm Settlement	47.1	kN/m²			
Modulus of Subgrade Reaction K762	30.3	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

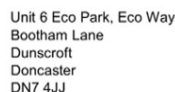
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/229C

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/229C

REPORT NO: ETS/24112C

Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	R6 Layer 5	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.46
4.0	46.5	1.24
6.0	69.8	1.65
8.0	93.1	2.13
10.0	116.4	2.50
12.0	139.7	3.07
16.0	0.0	1.12
18.0	23.3	0.34
20.0	46.5	0.74
22.0	69.8	1.02
24.0	93.1	1.45
26.0	116.4	1.76
28.0	139.7	2.13
32.0	0.0	0.40

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		20.9
Strain Modulus - Ev ₂ Value (MN/m ²)		39.18
Ev ₂ /Ev ₁	1.87	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

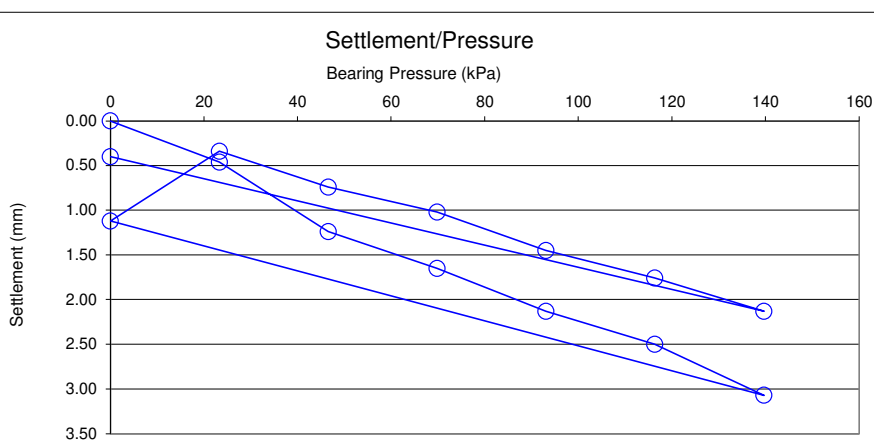
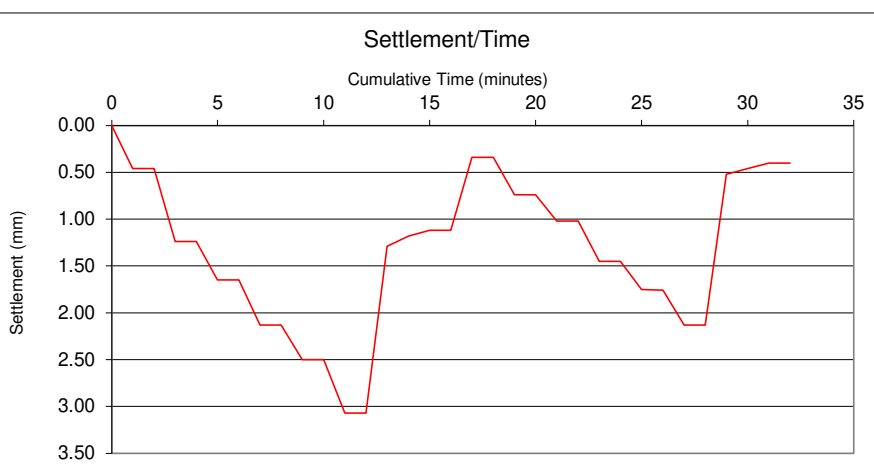


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	3.07 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

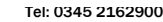
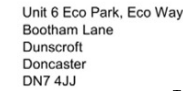
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/229D

C1583/229D

REPORT NO:

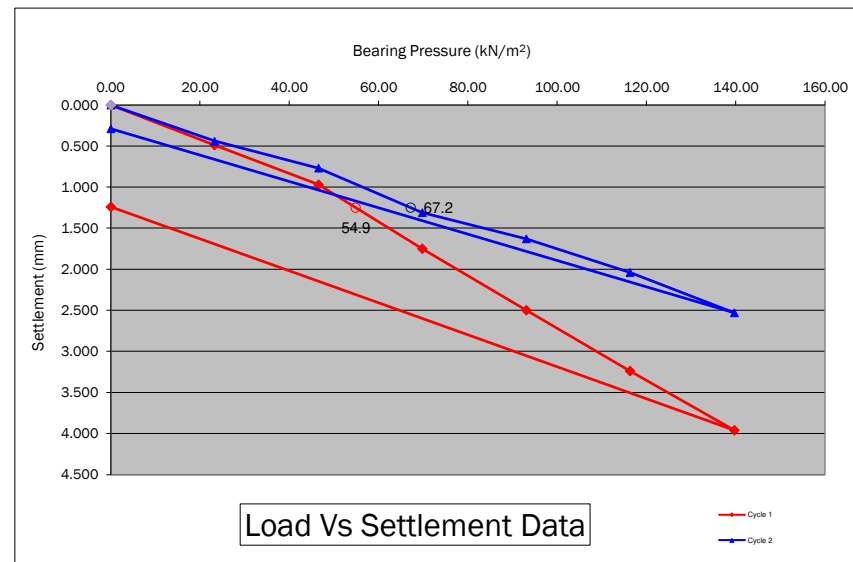
Report Date:

ETS/24112D

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	R6 Layer 6	Supplier/Source:	Ex-Site
Weather	Overcast		

[illegible]

Depth of Test		Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation		N/A	mm	Moisture Content*	Not Taken	
Reaction Load		20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor		0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure		139.7	kN/m ²			
Maximum Settlement		2.53	mm	Cycle 1	4.6	
Cycle 1 Values						
Bearing Pressure @ 1.25mm Settlement		54.9	kN/m ²	Cycle 2	6.6	
Modulus of Subgrade Reaction K762		35.3	kN/m ² /mm			
Notes:				Results relate only to the sample(s) as tested.		
Initial load applied by test equipment calculated to be less than 0.8 kN				This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.		
				The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.		
				Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

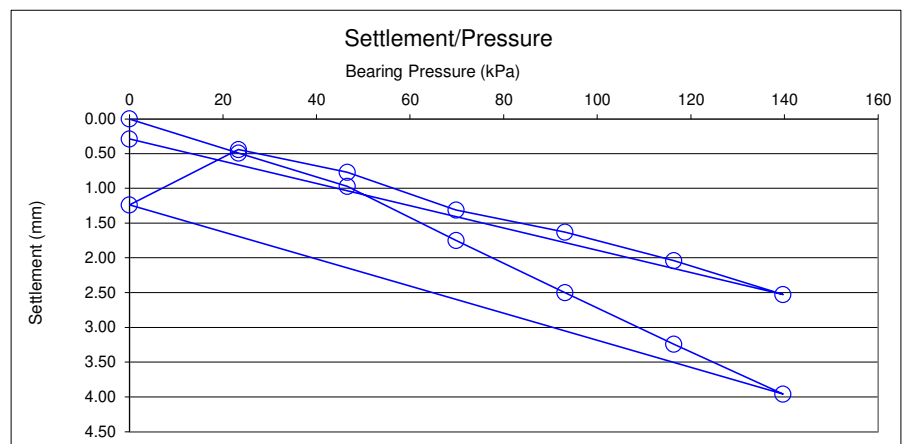
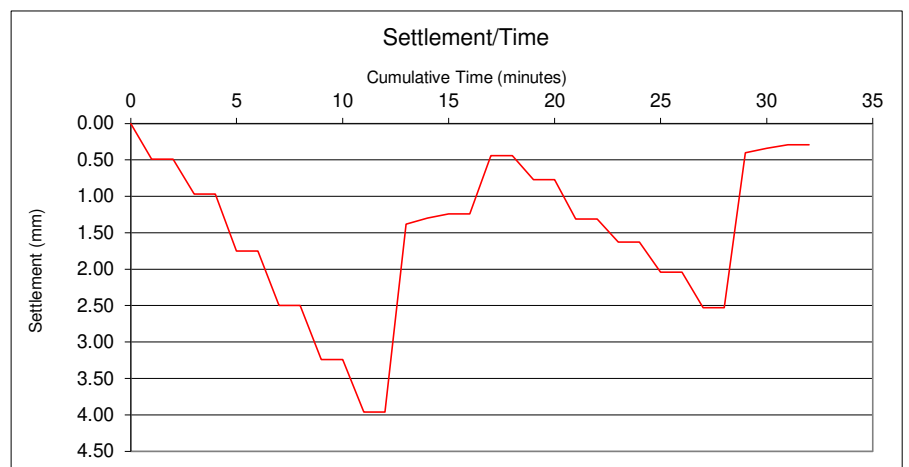
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/229D	REPORT NO: ETS/24112D
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/229D	Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	R6 Layer 6	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.49
4.0	46.5	0.97
6.0	69.8	1.75
8.0	93.1	2.50
10.0	116.4	3.24
12.0	139.7	3.96
16.0	0.0	1.24
18.0	23.3	0.44
20.0	46.5	0.77
22.0	69.8	1.31
24.0	93.1	1.63
26.0	116.4	2.04
28.0	139.7	2.53
32.0	0.0	0.29



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		14.8
Strain Modulus - Ev ₂ Value (MN/m ²)		33.05
Ev ₂ /Ev ₁	2.23	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.7 kPa
Reaction Load	20T Roller	Maximum Settlement	3.96 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

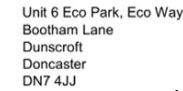
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

Clients Reference:

C1583/229E

C1583/229E

REPORT NO:

ETS/24112E

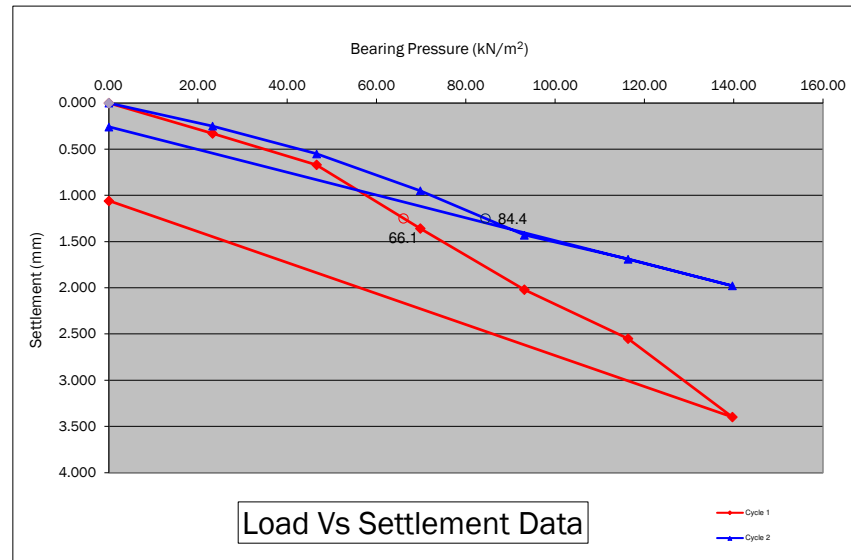
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	T6 Layer 7	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.33	23.3	0.25
46.5	0.67	46.5	0.55
69.8	1.36	69.8	0.95
93.1	2.02	93.1	1.43
116.4	2.55	116.4	1.69
139.7	3.40	139.7	1.98
0.0	1.06	0.0	0.26
Recovery %	69		87

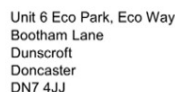


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.98	mm	Cycle 1	6.4	
Cycle 1 Values			Cycle 2	9.8	
Bearing Pressure @ 1.25mm Settlement	66.1	kN/m²			
Modulus of Subgrade Reaction K762	42.5	kN/m²/mm			
Notes:			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		
	Initial load applied by test equipment calculated to be less than 0.8 kN				

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/229E

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/229E

REPORT NO: ETS/24112E

Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	T6 Layer 7	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.33
4.0	46.5	0.67
6.0	69.8	1.36
8.0	93.1	2.02
10.0	116.4	2.55
12.0	139.7	3.40
16.0	0.0	1.06
18.0	23.3	0.25
20.0	46.5	0.55
22.0	69.8	0.95
24.0	93.1	1.43
26.0	116.4	1.69
28.0	139.7	1.98
32.0	0.0	0.26

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		17.6
Strain Modulus - Ev ₂ Value (MN/m ²)		38.56
Ev ₂ /Ev ₁	2.18	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

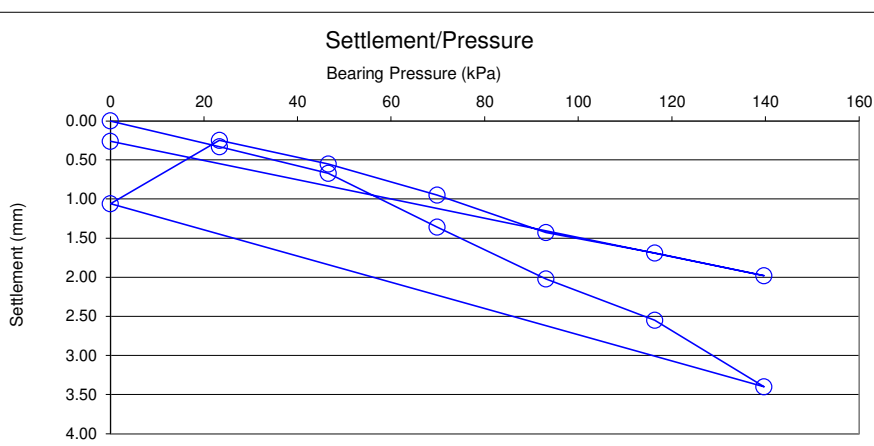
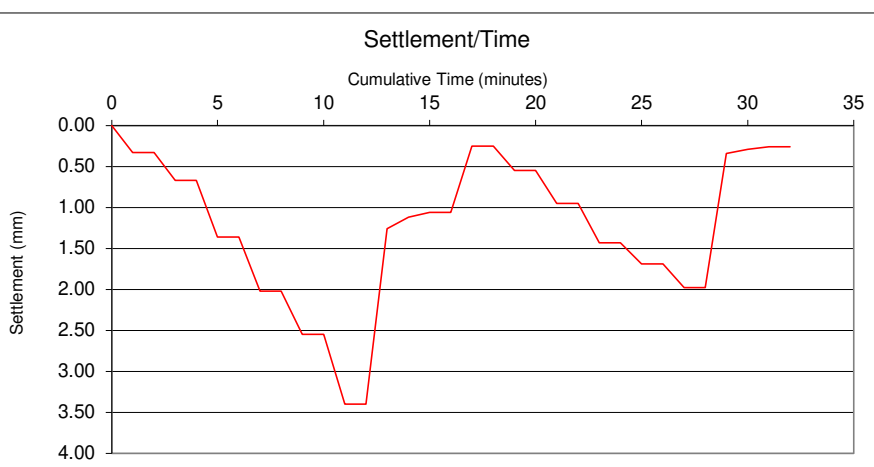


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	3.4 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

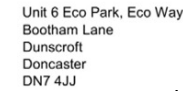
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/229F

REPORT NO:

ETS/24112F

Clients Reference:

C1583/229F

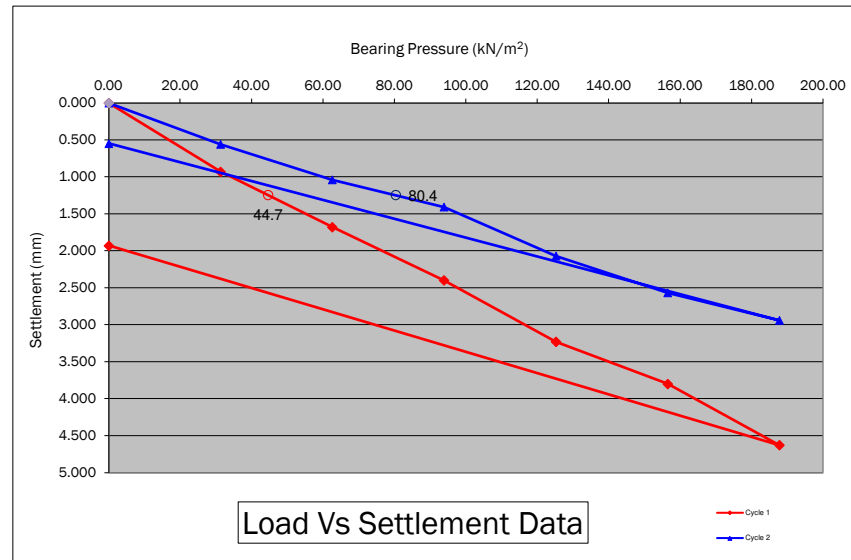
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	V6 Layer 8	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
31.3	0.93	31.3	0.56
62.6	1.68	62.6	1.04
93.9	2.40	93.9	1.41
125.2	3.23	125.2	2.07
156.5	3.80	156.5	2.57
187.8	4.63	187.8	2.94
0.0	1.93	0.0	0.55
Recovery %	58		81



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	187.8	kN/m ²			
Maximum Settlement	2.94	mm	Cycle 1	3.3	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	44.7	kN/m ²	Cycle 2	9.0	
Modulus of Subgrade Reaction K762	28.8	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

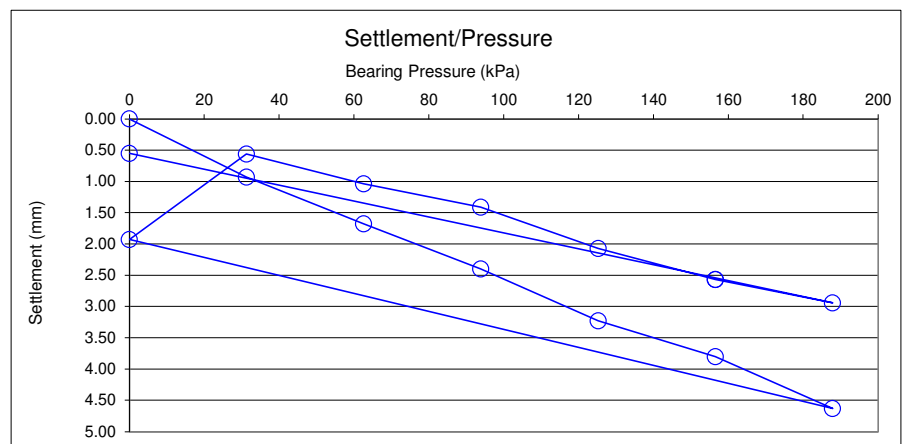
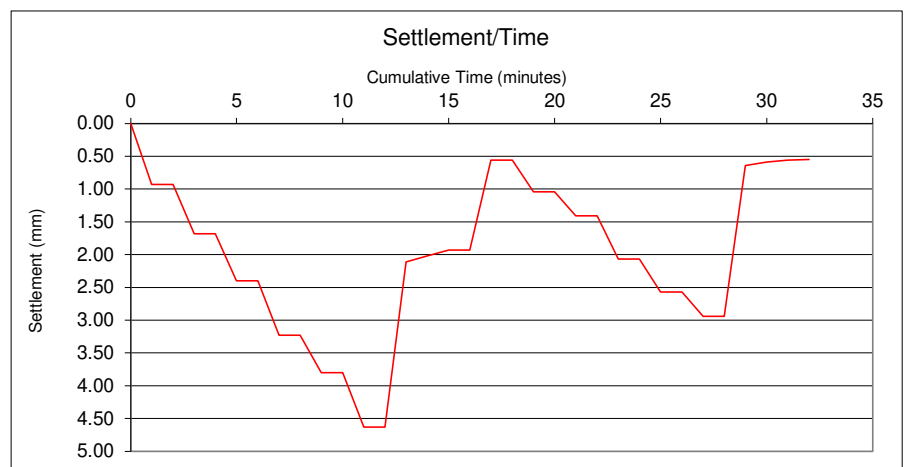
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/229F	REPORT NO: ETS/24112F
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/229F	Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	30/10/2025
Test Location:	V6 Layer 8	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	31.3	0.93
4.0	62.6	1.68
6.0	93.9	2.40
8.0	125.2	3.23
10.0	156.5	3.80
12.0	187.8	4.63
16.0	0.0	1.93
18.0	31.3	0.56
20.0	62.6	1.04
22.0	93.9	1.41
24.0	125.2	2.07
25.0	156.5	2.57
26.0	156.5	2.57
28.0	187.8	2.94
32.0	0.0	0.55



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.188	0.188
Strain Modulus - Ev ₂ Value (MN/m ²)		19.2
Strain Modulus - Ev ₂ Value (MN/m ²)		40.83
Ev ₂ /Ev ₁	2.13	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	187.8 kPa
Reaction Load	20T Roller	Maximum Settlement	4.63 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park

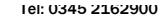
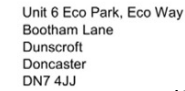


Plate Loading Test to determine equivalent CBR Value

Contract Test Reference:

C1583/230A

REPORT NO:

ETS/24113A

Clients Reference:

C1583/230A

Report Date:

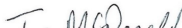
04/11/2025

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	30/10/2025
Test Location:	U7 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Load Vs Settlement Data

The graph displays the relationship between Bearing Pressure (kN/m²) and Settlement (mm) for two loading cycles. The x-axis represents Bearing Pressure (kN/m²) from 0.00 to 160.00. The y-axis represents Settlement (mm) from 0.00 to 3.500, with values increasing downwards. Cycle 1 is shown in red with diamond markers, and Cycle 2 is shown in blue with triangle markers. Both cycles show a non-linear relationship, with settlement increasing as bearing pressure increases. Cycle 1 data points are approximately (0, 0), (20, 0.3), (40, 0.7), (70, 1.1), (90, 1.9), (120, 2.3), and (150, 2.9). Cycle 2 data points are approximately (0, 0), (20, 0.3), (40, 0.5), (70, 0.8), (100, 1.2), (120, 1.5), and (150, 2.0). A specific point on Cycle 1 is labeled '75.2' at a settlement of approximately 1.3 mm, and a point on Cycle 2 is labeled '100' at a settlement of approximately 1.3 mm.

Bearing Pressure (kN/m ²)	Settlement (mm) - Cycle 1	Settlement (mm) - Cycle 2
0.00	0.00	0.00
20.00	0.30	0.30
40.00	0.70	0.50
70.00	1.10	0.80
90.00	1.90	1.20
100.00	-	1.20
120.00	2.30	1.50
150.00	2.90	2.00

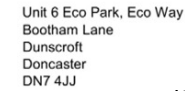
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.99	mm	Cycle 1	8.0	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	75.2	kN/m²	Cycle 2	13.1	
Modulus of Subgrade Reaction K762	48.4	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/230B

REPORT NO:

ETS/24113B

Clients Reference:

C1583/230B

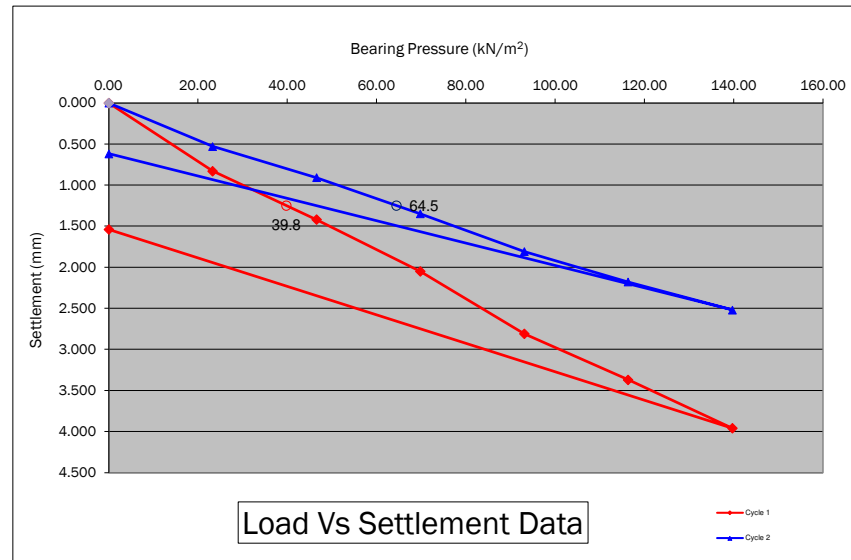
Report Date:

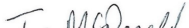
04/11/2025

TEST REPORT

Material Description:	Brown Clay W/ F-M Gravel	Date Tested:	30/10/2025
Test Location:	T7 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.83	23.3	0.53
46.5	1.42	46.5	0.91
69.8	2.05	69.8	1.35
93.1	2.81	93.1	1.81
116.4	3.37	116.4	2.18
139.7	3.96	139.7	2.52
0.0	1.54	0.0	0.62
Recovery %	61		75



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.52	mm	Cycle 1	2.7	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	39.8	kN/m²	Cycle 2	6.1	
Modulus of Subgrade Reaction K762	25.6	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Unit 6 Eco Park, Eco Way
Bootham Lane
Dunscroft
Doncaster
DN7 4JJ

Dove Valley Park

Tel: 0345 2162900

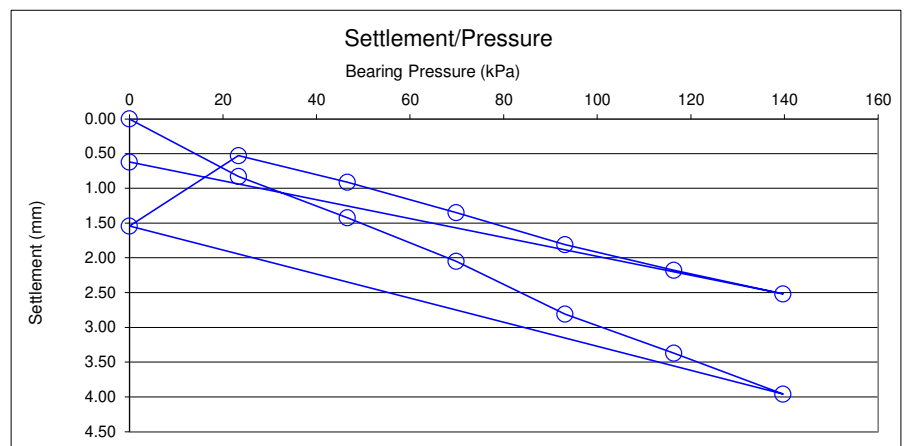
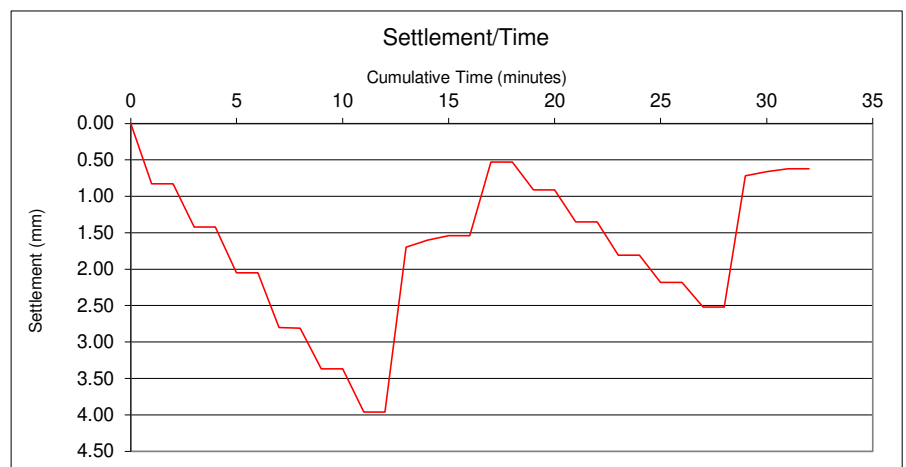
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/230B	REPORT NO: ETS/24113B
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/230B	Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	30/10/2025
Test Location:	T7 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.83
4.0	46.5	1.42
6.0	69.8	2.05
8.0	93.1	2.81
10.0	116.4	3.37
12.0	139.7	3.96
16.0	0.0	1.54
18.0	23.3	0.53
20.0	46.5	0.91
22.0	69.8	1.35
24.0	93.1	1.81
26.0	116.4	2.18
28.0	139.7	2.52
32.0	0.0	0.62



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		16.2
Strain Modulus - Ev ₂ Value (MN/m ²)		34.93
Ev ₂ /Ev ₁	2.16	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.7 kPa
Reaction Load	20T Roller	Maximum Settlement	3.96 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

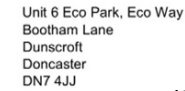
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/230C

REPORT NO:

ETS/24113C

Clients Reference:

C1583/230C

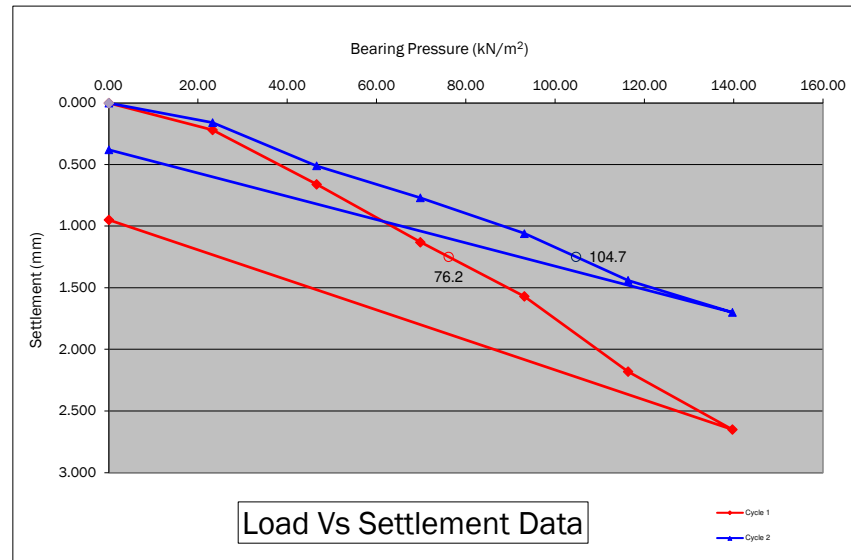
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	30/10/2025
Test Location:	R7 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.22	23.3	0.16
46.5	0.66	46.5	0.51
69.8	1.13	69.8	0.77
93.1	1.57	93.1	1.06
116.4	2.18	116.4	1.44
139.7	2.65	139.7	1.70
0.0	0.95	0.0	0.38
Recovery %	64		78

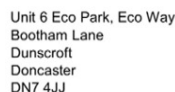


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	1.7	mm	Cycle 1	8.2	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	76.2	kN/m ²	Cycle 2	14.2	
Modulus of Subgrade Reaction K762	49.0	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/230C

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/230C

REPORT NO: ETS/24113C

Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	30/10/2025
Test Location:	R7 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.22
4.0	46.5	0.66
6.0	69.8	1.13
8.0	93.1	1.57
10.0	116.4	2.18
12.0	139.7	2.65
16.0	0.0	0.95
18.0	23.3	0.16
20.0	46.5	0.51
22.0	69.8	0.77
24.0	93.1	1.06
26.0	116.4	1.44
28.0	139.7	1.70
32.0	0.0	0.38

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₁ Value (MN/m ²)		21.8
Strain Modulus - Ev ₂ Value (MN/m ²)		46.74
Ev ₂ /Ev ₁	2.14	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

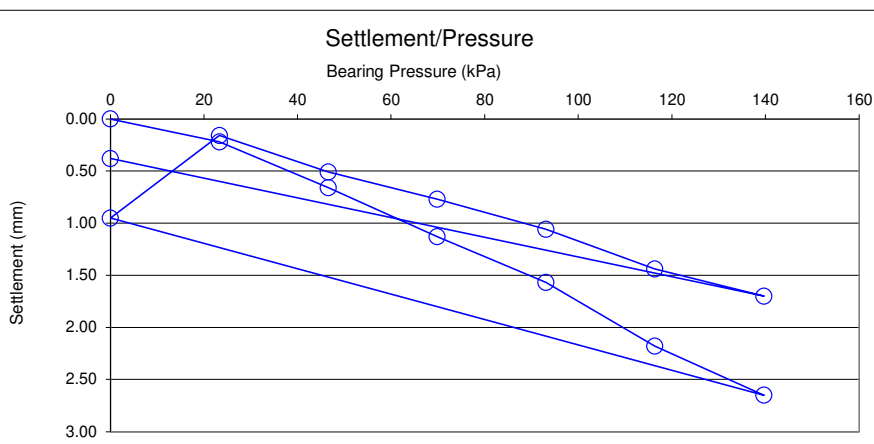
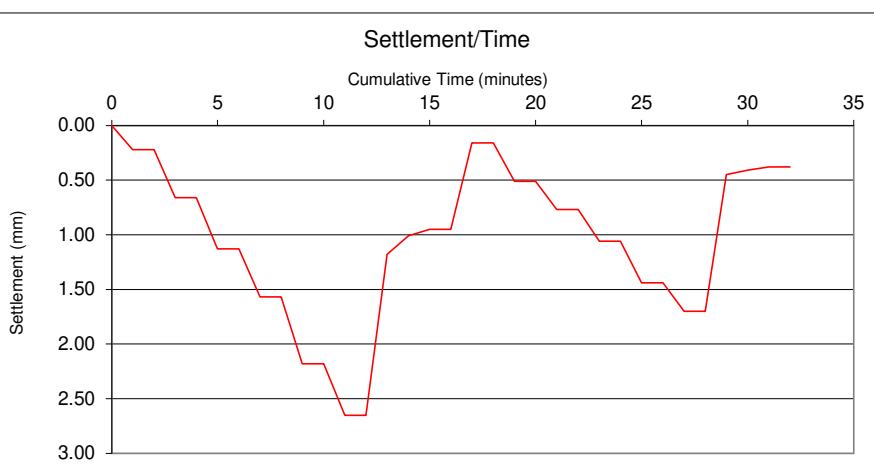


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	2.65 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

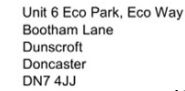
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/238A

REPORT NO:

ETS/24189A

Clients Reference:

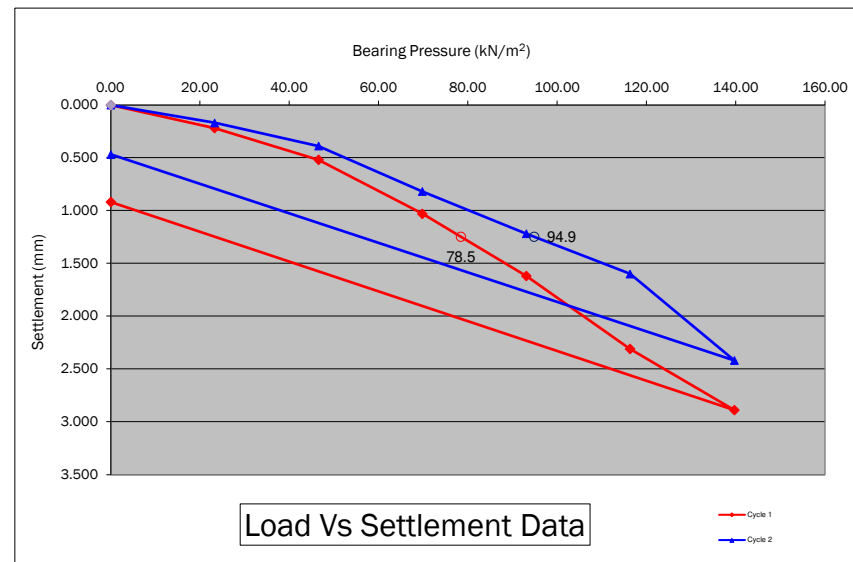
C1583/238A

Report Date:

04/11/2025

TEST REPORT

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.22	23.3	0.17
46.5	0.52	46.5	0.39
69.8	1.03	69.8	0.82
93.1	1.62	93.1	1.22
116.4	2.31	116.4	1.60
139.7	2.89	139.7	2.42
0.0	0.92	0.0	0.47
Recovery %	68		81



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.42	mm	Cycle 1	8.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	78.5	kN/m²	Cycle 2	12.0	
Modulus of Subgrade Reaction K762	50.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

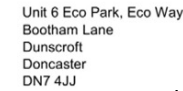
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/238B

REPORT NO:

ETS/24189B

Clients Reference:

C1583/238B

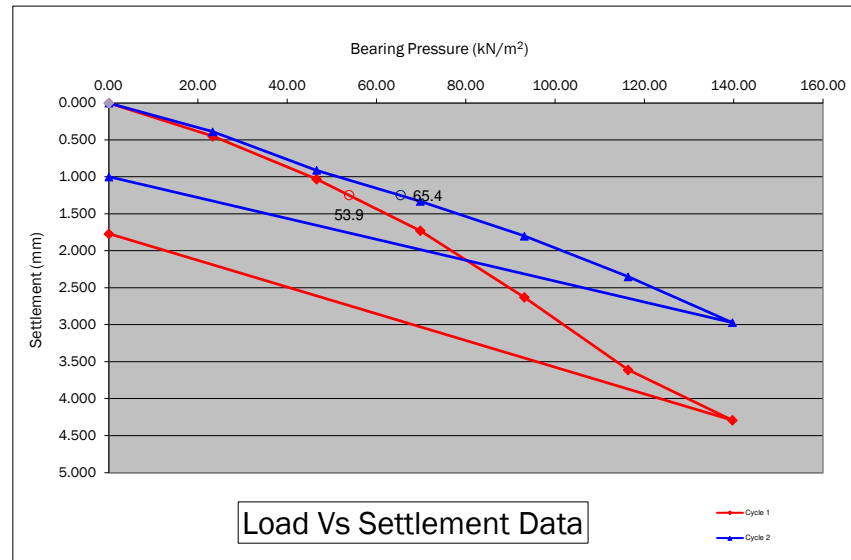
Report Date:

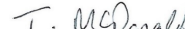
04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	31/10/2025
Test Location:	N5 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.45	23.3	0.39
46.5	1.03	46.5	0.91
69.8	1.73	69.8	1.33
93.1	2.63	93.1	1.80
116.4	3.61	116.4	2.35
139.7	4.29	139.7	2.97
0.0	1.77	0.0	1.00
Recovery %	59		66

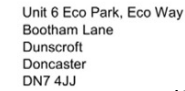


Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.97	mm	Cycle 1	4.5	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	53.9	kN/m²	Cycle 2	6.3	
Modulus of Subgrade Reaction K762	34.7	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/239A

REPORT NO:

ETS/24190A

Clients Reference:

C1583/239A

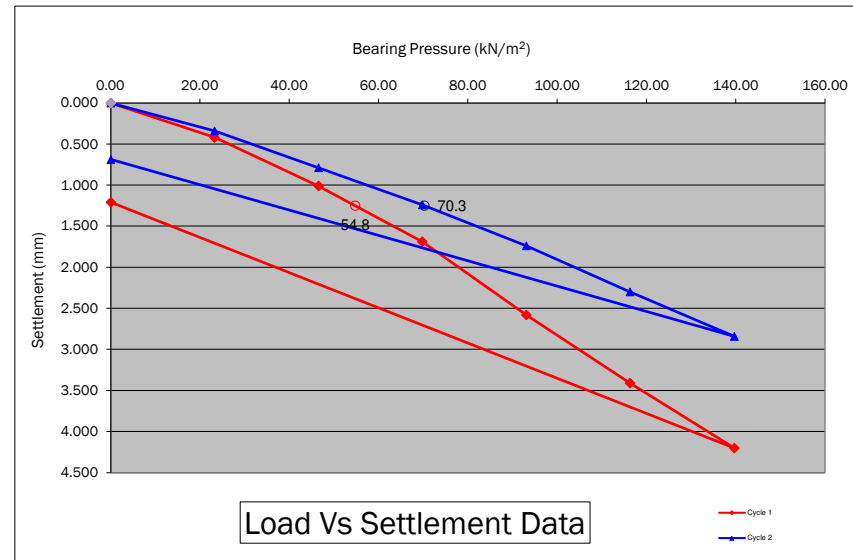
Report Date:

04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	31/10/2025
Test Location:	N3 Layer 1 FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.42	23.3	0.34
46.5	1.01	46.5	0.79
69.8	1.69	69.8	1.24
93.1	2.58	93.1	1.74
116.4	3.41	116.4	2.30
139.7	4.20	139.7	2.84
0.0	1.21	0.0	0.69
Recovery %	71		76



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory T. McDonald
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m ²			
Maximum Settlement	2.84	mm	Cycle 1	4.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	54.8	kN/m ²	Cycle 2	7.1	
Modulus of Subgrade Reaction K762	35.3	kN/m ² /mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

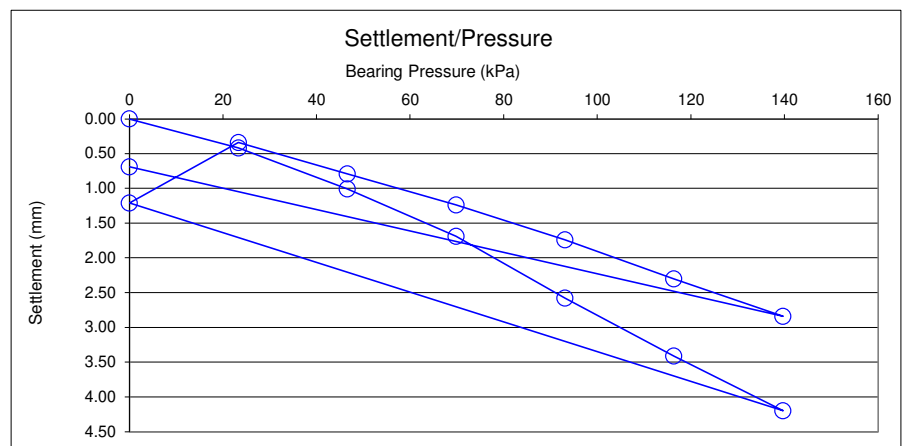
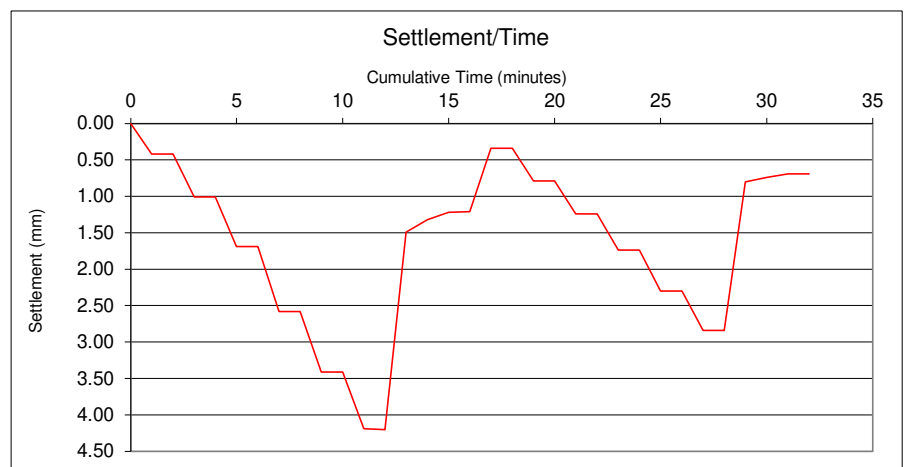
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/239A	REPORT NO: ETS/24190A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1:2009)	Clients Reference: C1583/239A	Report Date: 04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	31/10/2025
Test Location:	N3 Layer 1 FFL	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.42
4.0	46.5	1.01
6.0	69.8	1.69
8.0	93.1	2.58
10.0	116.4	3.41
12.0	139.7	4.20
16.0	0.0	1.21
18.0	23.3	0.34
20.0	46.5	0.79
22.0	69.8	1.24
24.0	93.1	1.74
26.0	116.4	2.30
28.0	139.7	2.84
32.0	0.0	0.69



Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		13.9
Strain Modulus - Ev ₂ Value (MN/m ²)		27.08
Ev ₂ /Ev ₁	1.95	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

Plate Diameter	600 mm	Maximum Applied Pressure	139.7 kPa
Reaction Load	20T Roller	Maximum Settlement	4.2 mm
Depth of Test	Surface	Moisture Content (BS1377: Part 2: 1990)	Not Taken
Distance from edge of plate to wall of excavation (mm)	N/A		

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m²

Initial load applied by test equipment calculated to be less than 0.8 kN

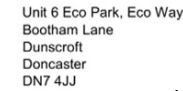
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/239B

REPORT NO:

ETS/24190B

Clients Reference:

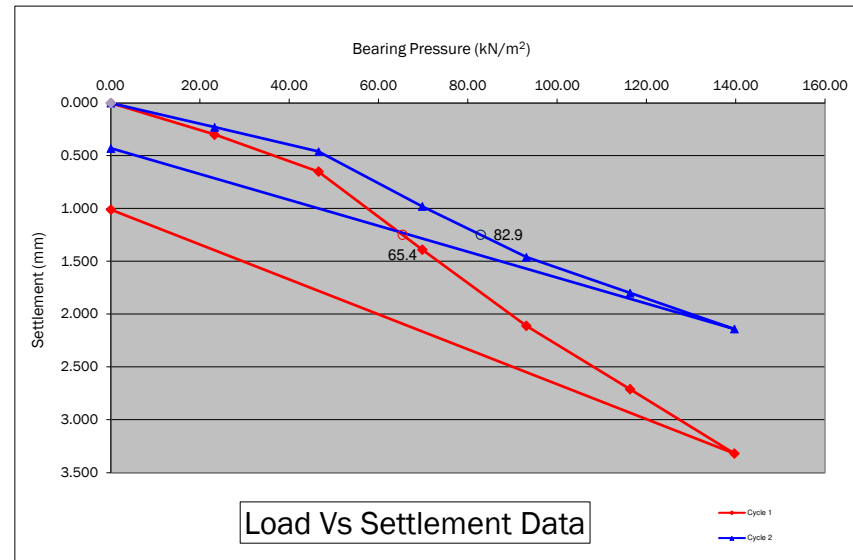
C1583/239B

Report Date:

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	31/10/2025
Test Location:	N5 Cut/FFL	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.30	23.3	0.23
46.5	0.65	46.5	0.46
69.8	1.39	69.8	0.98
93.1	2.11	93.1	1.46
116.4	2.71	116.4	1.80
139.7	3.32	139.7	2.14
0.0	1.01	0.0	0.43
Recovery %	70		80



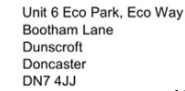
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.14	mm	Cycle 1	6.3	
Cycle 1 Values			Cycle 2	9.5	
Bearing Pressure @ 1.25mm Settlement	65.4	kN/m²			
Modulus of Subgrade Reaction K762	42.1	kN/m²/mm			
Notes:			Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		
	Initial load applied by test equipment calculated to be less than 0.8 kN				

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/240

REPORT NO:

ETS/24191

Clients Reference:

C1583/240

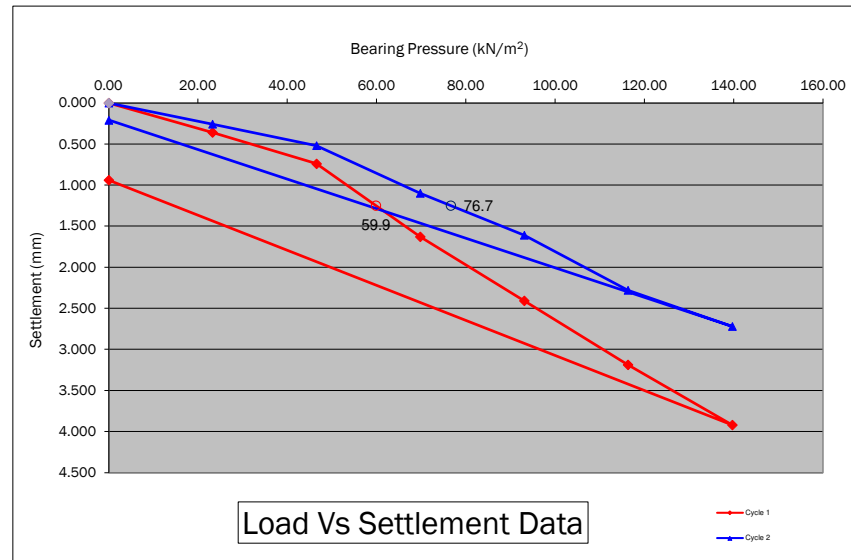
Report Date:

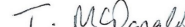
04/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel (Class 7)	Date Tested:	31/10/2025
Test Location:	X10 Layer 5	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.36	23.3	0.26
46.5	0.74	46.5	0.52
69.8	1.63	69.8	1.10
93.1	2.41	93.1	1.61
116.4	3.19	116.4	2.28
139.7	3.92	139.7	2.72
0.0	0.94	0.0	0.21
Recovery %	76		92



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.72	mm	Cycle 1	5.4	
Cycle 1 Values			Cycle 2	8.3	
Bearing Pressure @ 1.25mm Settlement	59.9	kN/m²			
Modulus of Subgrade Reaction K762	38.5	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

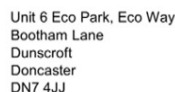
Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

Page 1 of 1

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/244A

In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)

Clients Reference: C1583/244A

REPORT NO: ETS/24230A

Report Date: 06/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	03/11/2025
Test Location:	X15 Sub Formation	Supplier/Source:	Ex-Site
Weather:	Overcast		

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	23.3	0.82
4.0	46.5	1.65
6.0	69.8	2.50
8.0	93.1	3.14
10.0	116.4	3.76
12.0	139.7	4.44
16.0	0.0	1.87
18.0	23.3	0.53
20.0	46.5	0.93
22.0	69.8	1.50
24.0	93.1	1.89
26.0	116.4	2.35
28.0	139.7	2.92
32.0	0.0	0.73

Strain Modulus - Ev Data*		
	Cycle 1	Cycle 2
Ev Calculated at (MN/m ²)	0.140	0.140
Strain Modulus - Ev ₂ Value (MN/m ²)		14.1
Strain Modulus - Ev ₂ Value (MN/m ²)		32.02
Ev ₂ /Ev ₁	2.28	

*Ev Data calculated in accordance with DIN 18134 - 2012-04 and is outside our current scope of UKAS accreditation

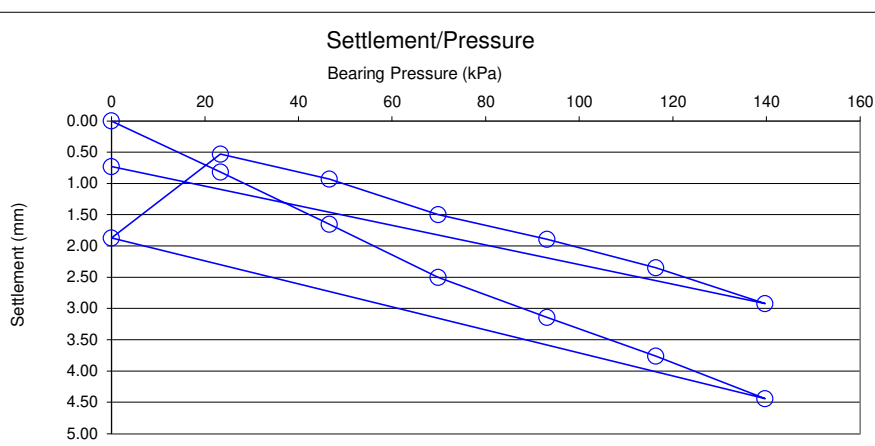
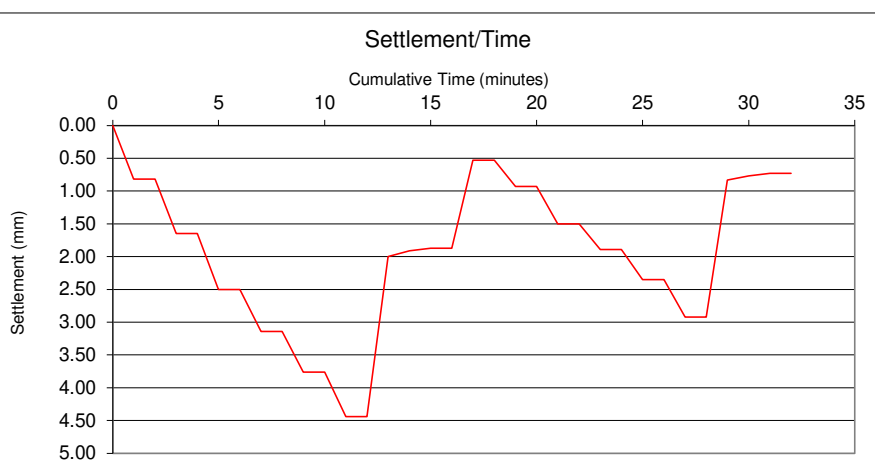


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	139.7 kPa
Maximum Settlement	4.44 mm
Moisture Content (BS1377: Part 2: 1990)	Not Taken

Results relate only to the sample(s) as tested.

This report may not be reproduced other than in full without the prior written approval of the issuing laboratory.

The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Testing carried out at client's site location.

Authorised Signatory

T. McDonald

Notes: 1 - One kPa is equivalent to One kN/m^2

Initial load applied by test equipment calculated to be less than 0.8 kN

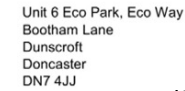
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/244B

REPORT NO:

ETS/24230B

Clients Reference:

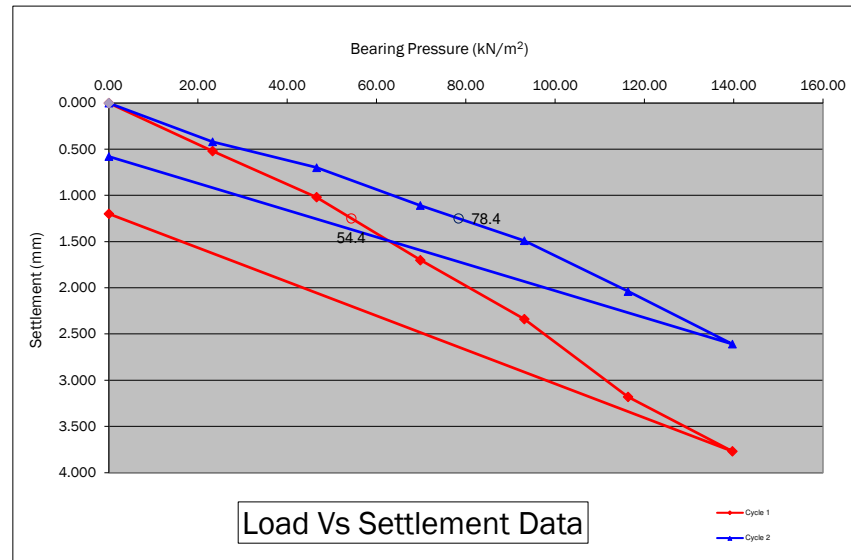
C1583/244B

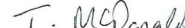
Report Date:

06/11/2025

TEST REPORT

Material Description:	Brown Clay W/F-M Gravel	Date Tested:	03/11/2025
Test Location:	Y13 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

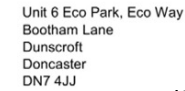
[illegible]

Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	2.61	mm	Cycle 1	4.6	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	54.4	kN/m²	Cycle 2	8.6	
Modulus of Subgrade Reaction K762	35.0	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/246

REPORT NO:

ETS/24232

Clients Reference:

C1583/246

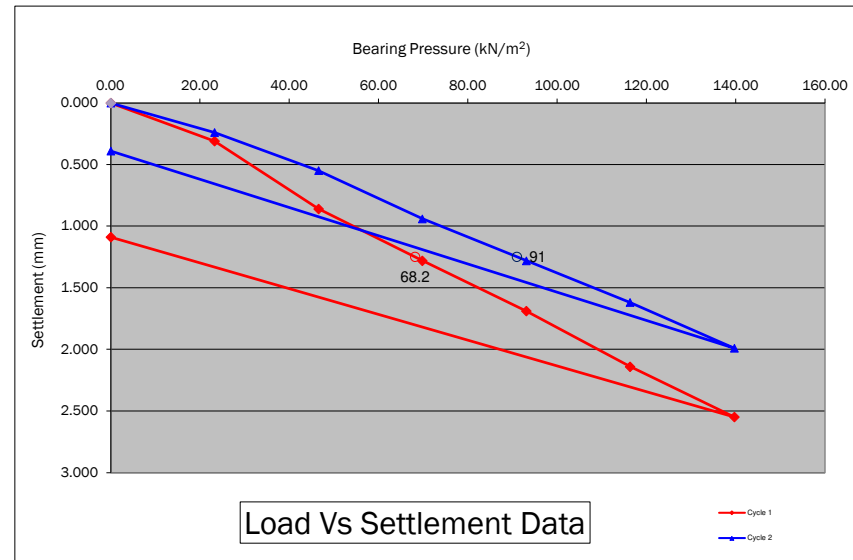
Report Date:

06/11/2025

TEST REPORT

Material Description:	Bown Slightly Sandy Clay W/F-M Gravel +2% Lime	Date Tested:	03/11/2025
Test Location:	Z12 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Cycle 1		Cycle 2	
Bearing Pressure	Settlement	Bearing Pressure	Settlement
kN/m ²	mm	kN/m ²	mm
23.3	0.31	23.3	0.24
46.5	0.86	46.5	0.55
69.8	1.28	69.8	0.94
93.1	1.69	93.1	1.28
116.4	2.14	116.4	1.62
139.7	2.55	139.7	1.99
0.0	1.09	0.0	0.39
Recovery %	57		80



Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%)		
Maximum Applied Pressure	139.7	kN/m²			
Maximum Settlement	1.99	mm	Cycle 1	6.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.2	kN/m²	Cycle 2	11.2	
Modulus of Subgrade Reaction K762	43.9	kN/m²/mm			
Notes:	Initial load applied by test equipment calculated to be less than 0.8 kN		Results relate only to the sample(s) as tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer. Testing carried out at client's site location.		

Earthworks Testing Ltd - Company No. 14251352

**** End of report ****

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CBR REPORT - Cycle 1 & 2

