

Collins Earthworks Ltd
Dove Valley Park

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C1583

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Collins Earthworks Ltd
Dove Valley Park



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[illegible]

C1583



Collins Earthworks Ltd
Dove Valley Park



TRL 447, OM, PH, Chloride Ion

C1583

[illegible]

C1583



Laboratory Reference No	Contract Sample No	Date Sampled	Material Description	Location - Grid Ref	Moisture Content	Particle Size Distribution (percent passing BS Sieve (mm))										Grading Specification	Plastic Limit w_p %	Liquid Limit w_L %	Plasticity Index I_p %	QuBB k_{FB}	MOY @ Max MC	Polyvalent c	OMC 2.5	MDD 2.5	OMC 4.5	MDD 4.5	VM OMOP	VM MDD	Particle Density	Plate Size	Plate Test CBR	MDR K762	LWD (Avg)	LWD % CBR	Soaked CBR (7 Days)	Swell %	BSV	As Found CORE Values			% of MDD	% Air Voids	As Found STD Values			% of MDD	% Air Voids	As Found NDE Values			% of MDD	% Air Voids	REFERENCE DATA			Ref	Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Bulk Density	Moisture Content	Dry Density	Bulk Density	Moisture Content	Dry Density	Bulk Density	Moisture Content	Dry Density	OMC																							MDD	Particle Density																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Please See Chemical Certificate: Site Specific Chem Suit

C1583

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TRL 447, OM, PH, Chloride Ion

C1583

[illegible]

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[illegible]

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[illegible]

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APPENDIX 10: Validation Test Certificates

Laboratory Report	ETS/22107	Contract Sample No	C1583/1	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Duncroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	01/10/2025	Clients Reference	C1583/1	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Light Grey SL Sandy Gravel Combined HOST		
	Date Sampled	N/S		
	Source	Ex-Site		
	Supplier	Ex-Site		
	Sampled By	Client		
	Sampling Environment	Overcast		
	Sample Type	Bulk		
	Location in sample	N/A		
Sample Location	B1,B2,B5,B10,B11,B3,B4,B8,B9,B17,B14,B15,B16 Combined		Date Received 09/09/2025	
Sampling Plan	Not Known		Date Tests Completed 29/09/2025	
Sampling Method	Not Known - Sampled by client		TEST REPORT	

Determination of MCV/Moisture Relationship

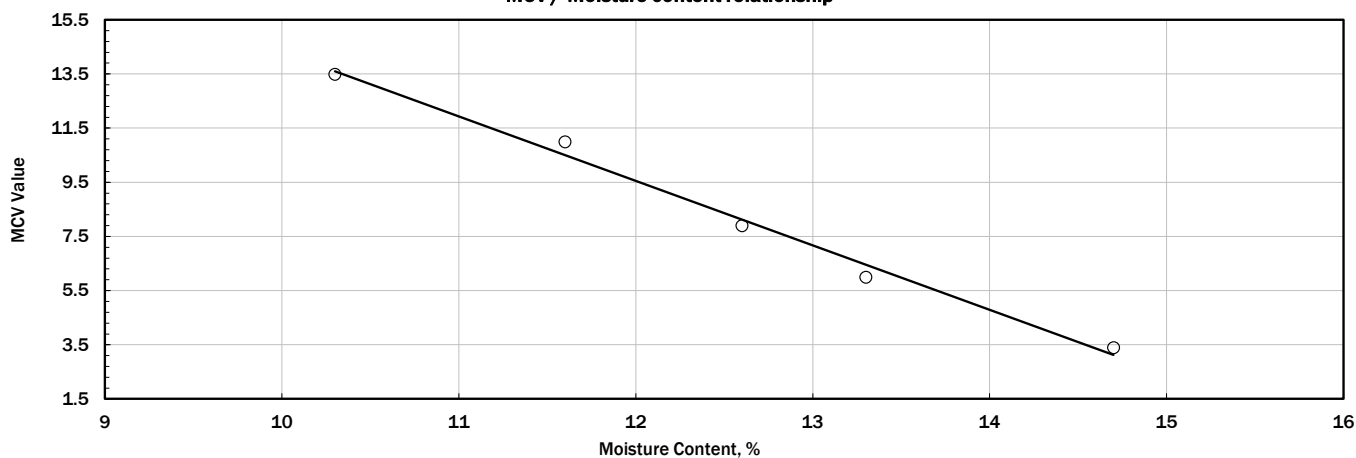
Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve 12 %

Test No	Moisture (%)	MCV Result
1	12.6	7.9
2	13.3	6.0
3	14.7	3.4
4	11.6	11.0
5	10.3	13.5

MCV / Moisture content relationship



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Authorised Signatory

T. McDonald

**** END OF REPORT ****

Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/22108	Contract Sample No	C1583/2	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Duncroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 	
Report Date	01/10/2025	Clients Reference	C1583/2		
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Light Grey SL Sandy Gravel Combined 2% Lime			
	Date Sampled	N/S			
	Source	Ex-Site			
	Supplier	Ex-Site			
	Sampled By	Client			
	Sampling Environment	Overcast			
	Sample Type	Bulk			
	Location in sample	N/A			
Sample Location	B1,B2,B5,B10,B11,B3,B4,B8, B9,B17,B14,B15,B16 Combined		Date Received	09/09/2025	
Sampling Plan	Not Known		Date Tests Completed	29/09/2025	
Sampling Method	Not Known - Sampled by client		TEST REPORT		

Determination of MCV/Moisture Relationship

Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

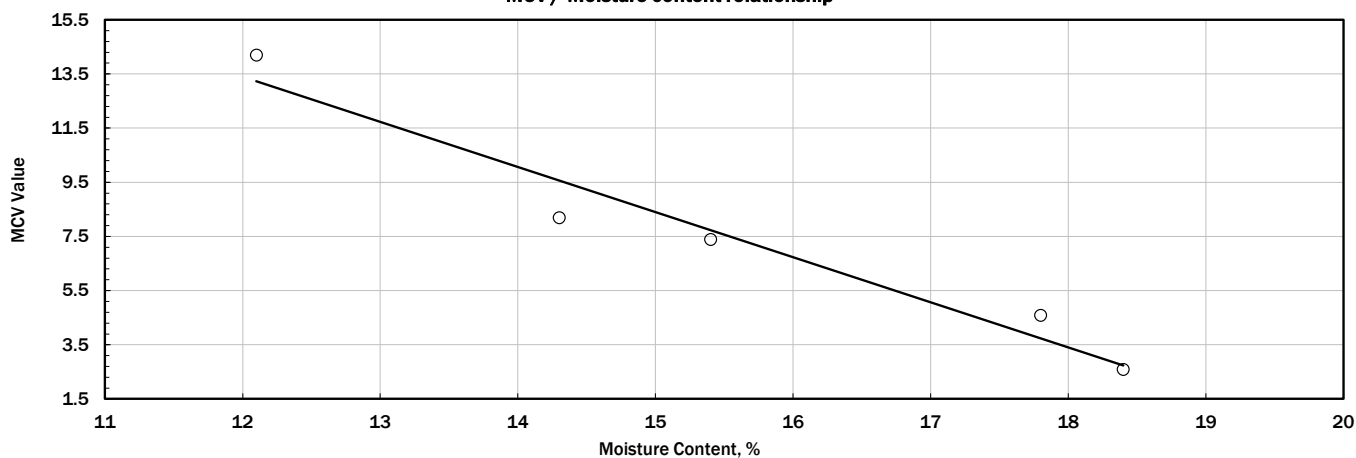
The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve

12 %

Test No	Moisture (%)	MCV Result
1	12.1	14.2
2	14.3	8.2
3	15.4	7.4
4	17.8	4.6
5	18.4	2.6

MCV / Moisture content relationship



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Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/22109	Contract Sample No	C1583/3	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Duncroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	01/10/2025	Clients Reference	C1583/3	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Light Grey SL Sandy Gravel Combined 2% OPC		
	Date Sampled	N/S		
	Source	Ex-Site		
	Supplier	Ex-Site		
	Sampled By	Client		
	Sampling Environment	Overcast		
	Sample Type	Bulk		
	Location in sample	N/A		
Sample Location	B1,B2,B5,B10,B11,B3,B4,B8, B9,B17,B14,B15,B16 Combined		Date Received 09/09/2025	
Sampling Plan	Not Known		Date Tests Completed 29/09/2025	
Sampling Method	Not Known - Sampled by client		TEST REPORT	

Determination of MCV/Moisture Relationship

Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

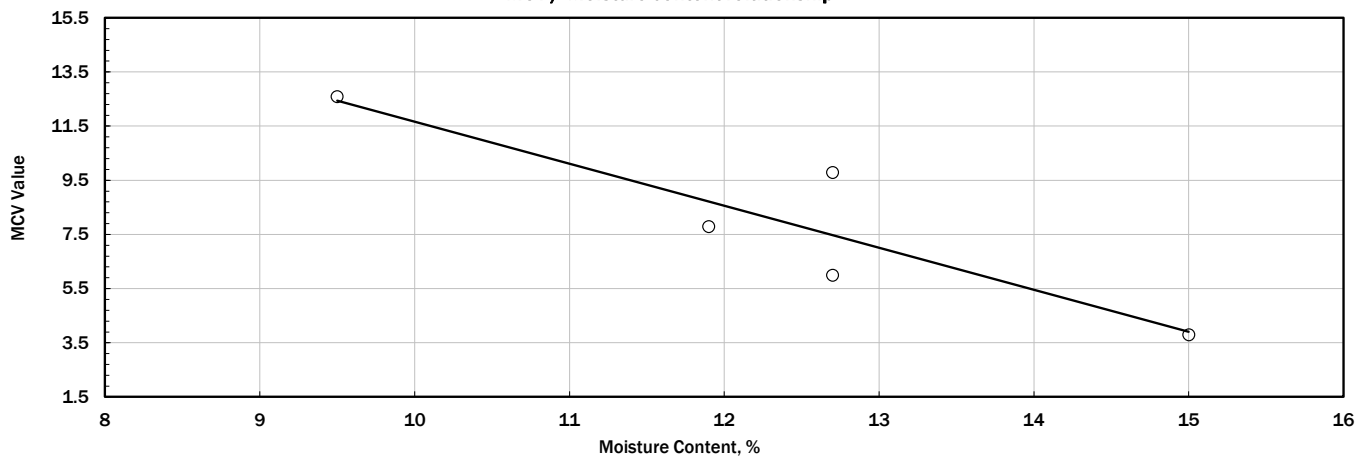
The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve

12 %

Test No	Moisture (%)	MCV Result
1	11.9	7.8
2	15.0	3.8
3	9.5	12.6
4	12.7	9.8
5	12.7	6.0

MCV / Moisture content relationship



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Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/22110	Contract Sample No	C1583/4	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Duncroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	01/10/2025	Clients Reference	C1583/4	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Light Grey SL Sandy Gravel Combined 3% OPC		
	Date Sampled	N/S		
	Source	Ex-Site		
	Supplier	Ex-Site		
	Sampled By	Client		
	Sampling Environment	Overcast		
	Sample Type	Bulk		
	Location in sample	N/A		
Sample Location	B1,B2,B5,B10,B11,B3,B4,B8, B9,B17,B14,B15,B16 Combined		Date Received 09/09/2025	
Sampling Plan	Not Known		Date Tests Completed 29/09/2025	
Sampling Method	Not Known - Sampled by client		TEST REPORT	

Determination of MCV/Moisture Relationship

Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

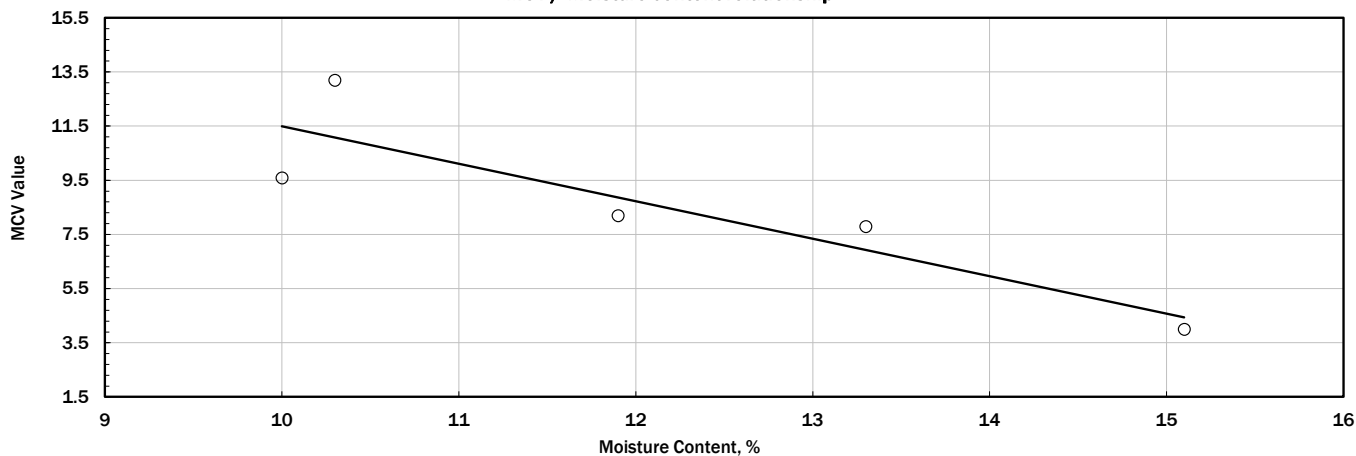
The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve

12 %

Test No	Moisture (%)	MCV Result
1	11.9	8.2
2	10.3	13.2
3	15.1	4.0
4	13.3	7.8
5	10.0	9.6

MCV / Moisture content relationship



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Laboratory Report	ETS/22111	Contract Sample No	C1583/5	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	01/10/2025	Clients Reference	C1583/5	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Firm Reddish Brown Mottled Grey SL Sandy SL Silty Clay Combined HOST		
	Date Sampled	N/S		
	Source	Ex-Site		
	Supplier	Ex-Site		
	Sampled By	Client		
	Sampling Environment	Overcast		
	Sample Type	Bulk		
	Location in sample	N/A		
Sample Location	B6,B7,B12 Combined		Date Received	09/09/2025
Sampling Plan	Not Known		Date Tests Completed	29/09/2025
Sampling Method	Not Known - Sampled by client		TEST REPORT	

Determination of MCV/Moisture Relationship

Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

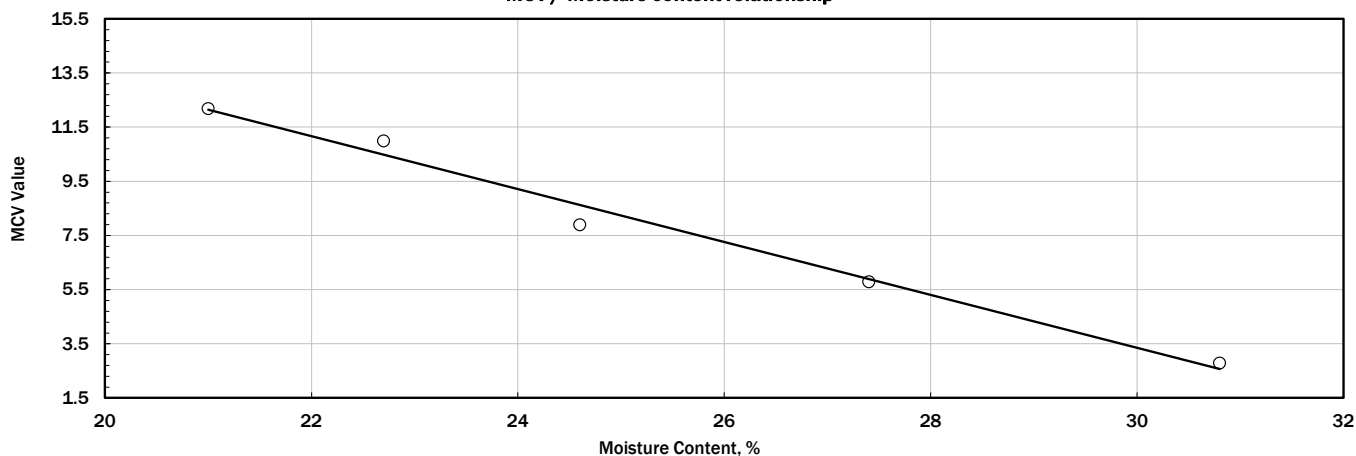
The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve

5 %

Test No	Moisture (%)	MCV Result
1	24.6	7.9
2	27.4	5.8
3	30.8	2.8
4	22.7	11.0
5	21.0	12.2

MCV / Moisture content relationship



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**** END OF REPORT ****

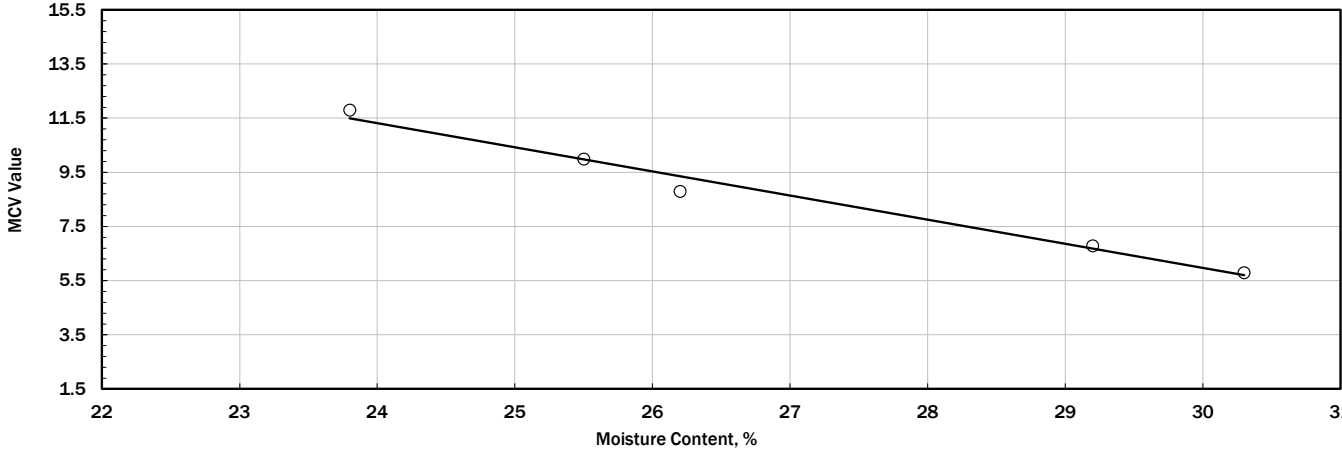
Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/22112	Contract Sample No	C1583/6	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	01/10/2025	Clients Reference	C1583/6	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Firm Reddish Brown Mottled Grey SL Sandy SL Silty Clay Combined 2% Lime		
	Date Sampled	N/S		
	Source	Ex-Site		
	Supplier	Ex-Site		
	Sampled By	Client		
	Sampling Environment	Overcast		
	Sample Type	Bulk		
	Location in sample	N/A		
Sample Location	B6,B7,B12 Combined			
Sampling Plan	Not Known		Date Received	09/09/2025
Sampling Method	Not Known - Sampled by client		Date Tests Completed	29/09/2025

TEST REPORT

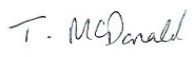
Determination of MCV/Moisture Relationship Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5 The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b) Percentage of material retained on 20mm test sieve 5 %			
Test No	Moisture (%)	MCV Result	
1	23.8	11.8	
2	25.5	10.0	
3	26.2	8.8	
4	29.2	6.8	
5	30.3	5.8	

MCV / Moisture content relationship



Moisture Content, %	MCV Value
23.8	11.8
25.5	10.0
26.2	8.8
29.2	6.8
30.3	5.8

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Laboratory Report	ETS/22113	Contract Sample No	C1583/7
Report Date	01/10/2025	Clients Reference	C1583/7
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Firm Reddish Brown Mottled Grey SL Sandy SL Silty Clay Combined 2% OPC	
	Date Sampled	N/S	
	Source	Ex-Site	
	Supplier	Ex-Site	
	Sampled By	Client	
	Sampling Environment	Overcast	
	Sample Type	Bulk	
	Location in sample	N/A	
	Sample Location	B6,B7,B12 Combined	
	Sampling Plan	Not Known	
Sampling Method	Not Known - Sampled by client		



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27572

Date Received	09/09/2025
Date Tests Completed	29/09/2025

Determination of MCV/Moisture Relationship

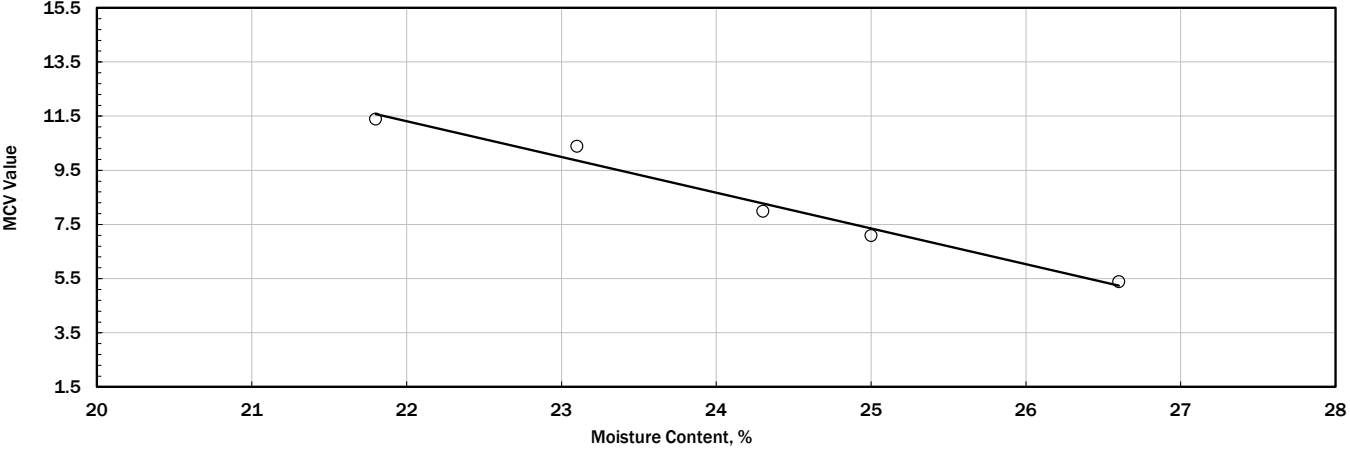
Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve 5 %

Test No	Moisture (%)	MCV Result
1	24.3	8.0
2	23.1	10.4
3	21.8	11.4
4	25.0	7.1
5	26.6	5.4

MCV / Moisture content relationship



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** END OF REPORT **

Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/22114	Contract Sample No	C1583/8
Report Date	01/10/2025	Clients Reference	C1583/8
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park	Material Description	Firm Reddish Brown Mottled Grey SL Sandy SL Silty Clay Combined 3% OPC	
	Date Sampled	N/S	
	Source	Ex-Site	
	Supplier	Ex-Site	
	Sampled By	Client	
	Sampling Environment	Overcast	
	Sample Type	Bulk	
	Location in sample	N/A	
	Sample Location	B6,B7,B12 Combined	
	Sampling Plan	Not Known	
Sampling Method	Not Known - Sampled by client		



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Date Received	09/09/2025
Date Tests Completed	29/09/2025

Determination of MCV/Moisture Relationship

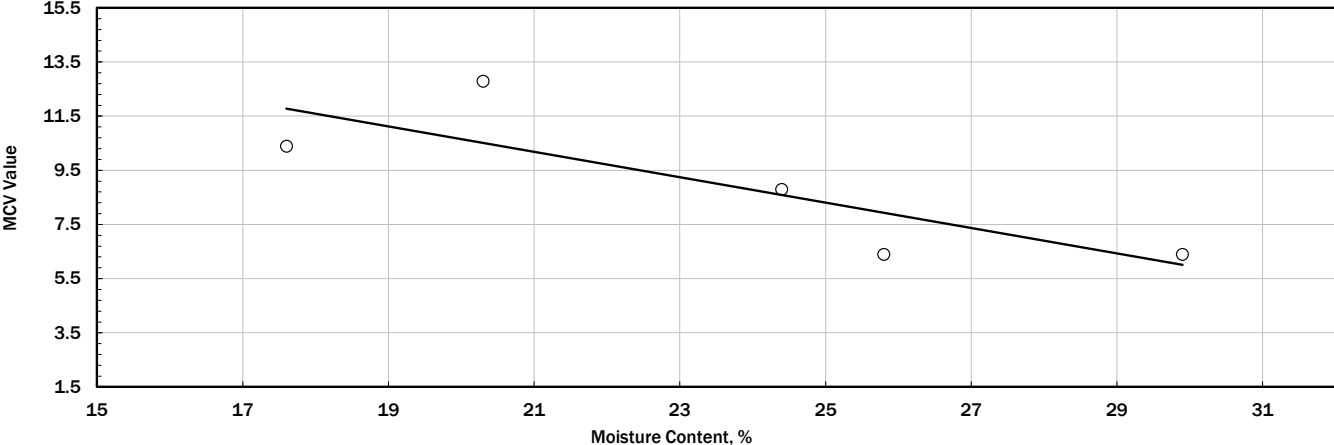
Tested In Accordance with BS 1377: Part 4: 1990, Clause 5.5

The Test was Carried Out Using Multiple Subsamples Prepared in Accordance With BS1377: Part 1: 2016 Clause 8.3.4(b)

Percentage of material retained on 20mm test sieve 5 %

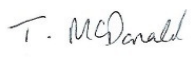
Test No	Moisture (%)	MCV Result
1	24.4	8.8
2	17.6	10.4
3	25.8	6.4
4	20.3	12.8
5	29.9	6.4

MCV / Moisture content relationship



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Earthworks Testing Ltd - Company No. 14251352

Laboratory Report	ETS/23327	Contract Sample No	C1583/101
Report Date	08/10/2025	ETS Contract No	C1583/101
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	07/10/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/23613	Contract Sample No	C1583/146
Report Date	16/10/2025	ETS Contract No	C1583/146
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	15/10/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/23854	Contract Sample No	C1583/177
Report Date	23/10/2025	ETS Contract No	C1583/177
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	21/10/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	



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TEST REPORT

[illegible]

Laboratory Report	ETS/23936	Contract Sample No	C1583/194
Report Date	23/10/2025	ETS Contract No	C1583/194
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	24/10/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/23966	Contract Sample No	C1583/200
Report Date	03/11/2025	ETS Contract No	C1583/200
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	27/10/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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

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

Laboratory Report	ETS/23993	Contract Sample No	C1583/207
Report Date	03/11/2025	ETS Contract No	C1583/207
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	28/10/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/24034	Contract Sample No	C1583/222
Report Date	04/11/2025	ETS Contract No	C1583/222
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	29/10/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




Unit 6 Eco Park, Eco Way
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Tel: 0345 2162900
Email: ops@earthworkstesting.co.uk

Email: ops@earthworkstesting.co.uk

Laboratory Report	ETS/24361	Contract Sample No	C1583/266
Report Date	08/11/2025	ETS Contract No	C1583/266
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	06/11/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	



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Laboratory Report	ETS/24787	Contract Sample No	C1583/293
Report Date	01/12/2025	ETS Contract No	C1583/293
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	21/11/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/24816	Contract Sample No	C1583/306
Report Date	01/12/2025	ETS Contract No	C1583/306
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	25/11/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/24825	Contract Sample No	C1583/315
Report Date	02/12/2025	ETS Contract No	C1583/315
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	26/11/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/24955	Contract Sample No	C1583/322
Report Date	02/12/2025	ETS Contract No	C1583/322
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	27/11/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	



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Laboratory Report	ETS/24961	Contract Sample No	C1583/328
Report Date	02/12/2025	ETS Contract No	C1583/328
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	28/11/2025	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/24962	Contract Sample No	C1583/329
Report Date	02/12/2025	ETS Contract No	C1583/329
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	28/11/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25264	Contract Sample No	C1583/343
Report Date	18/12/2025	ETS Contract No	C1583/343
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	11/12/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25373	Contract Sample No	C1583/348
Report Date	18/12/2025	ETS Contract No	C1583/348
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	12/12/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25436	Contract Sample No	C1583/355
Report Date	18/12/2025	ETS Contract No	C1583/355
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	17/12/2025	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25651	Contract Sample No	C1627/234
Report Date	09/01/2026	ETS Contract No	C1627/234
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	08/01/2026	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Sawley Interchange	Operator	MS	




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Laboratory Report	ETS/25665	Contract Sample No	C1583/379
Report Date	08/01/2026	ETS Contract No	C1583/379
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	08/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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TEST REPORT

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Laboratory Report	ETS/25869	Contract Sample No	C1583/390
Report Date	19/01/2026	ETS Contract No	C1583/390
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	14/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25872	Contract Sample No	C1583/393
Report Date	19/01/2026	ETS Contract No	C1583/393
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	15/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/25992	Contract Sample No	C1583/403
Report Date	19/01/2026	ETS Contract No	C1583/403
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	16/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26046	Contract Sample No	C1583/405
Report Date	22/01/2026	ETS Contract No	C1583/405
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	19/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26071	Contract Sample No	C1583/409
Report Date	22/01/2026	ETS Contract No	C1583/409
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	20/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26124	Contract Sample No	C1583/414
Report Date	28/01/2026	ETS Contract No	C1583/414
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	23/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26164	Contract Sample No	C1583/420
Report Date	29/01/2026	ETS Contract No	C1583/420
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	28/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26259	Contract Sample No	C1583/423
Report Date	02/02/2026	ETS Contract No	C1583/423
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	29/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26263	Contract Sample No	C1583/427
Report Date	11/02/2026	ETS Contract No	C1583/427
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	30/01/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26353	Contract Sample No	C1583/431
Report Date	11/02/2026	ETS Contract No	C1583/431
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	02/02/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26586	Contract Sample No	C1583/441
Report Date	18/02/2026	ETS Contract No	C1583/441
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	17/02/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	



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TEST REPORT

[illegible]

Laboratory Report	ETS/26638	Contract Sample No	C1583/445
Report Date	19/02/2026	ETS Contract No	C1583/445
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	18/02/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26727	Contract Sample No	C1583/449
Report Date	24/02/2026	ETS Contract No	C1583/449
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	19/02/2026	
Derbyshire	Stabiliser/s Used	OPC	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	




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Laboratory Report	ETS/26779	Contract Sample No	C1583/455
Report Date	26/02/2026	ETS Contract No	C1583/455
Collins Earthworks Ltd	Source	Ex-site	
Whiteley Road	Supplier	Ex-Site	
Ripley	Date Sampled	25/02/2026	
Derbyshire	Stabiliser/s Used	Lime	
DE5 3QL	% Stabiliser Used	2%	
	Carried out at	Site	
	Weather	Overcast	
Project: Dove Valley Park	Operator	JW	

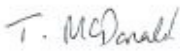



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Laboratory Report	ETS/22808	Contract Sample No	C1583/27
Report Date	01 October 2025	ETS Contract No	C1583/27
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park Material Description Source Supplier Date Sampled Date Received Date Completed Sample Location Client Reference Brown Clay W/F-M Gravel Ex Site Ex Site 25/09/2025 25/09/2025 26/09/2025 See Below C1583/27			
  EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk			
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9			
Operator JW		Maximum Dry Density (MDD) 1.90 Mg.m ³ Optimum Moisture Content 14 % Particle Density 2.66 Mg/m ³ Source sample reference C1583/37	

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
AB10 Layer 4	C1583/27	2.10	16.0	1.806	95.1	3.2
AB9 Layer 4	C1583/27	2.11	16.3	1.818	95.7	2.0
AB8 Layer 4	C1583/27	2.15	15.8	1.852	97.5	1.1
AB7 Layer 4	C1583/27	2.15	14.8	1.876	98.8	1.7

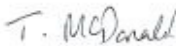
Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.
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Laboratory Report	ETS/22937	Contract Sample No	C1583/31	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	01 October 2025	ETS Contract No	C1583/31	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	26/09/2025		
	Date Received	26/09/2025		
	Date Completed	27/09/2025		
	Sample Location	See Below		
	Client Reference	C1583/31		

Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9

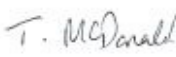
Operator	JW	Maximum Dry Density (MDD)	1.90 Mg.m ³
		Optimum Moisture Content	14 %
		Particle Density	2.66 Mg/m ³
		Source sample reference	C1583/37

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
AB10 Layer 5	C1583/31	2.16	15.8	1.865	98.2	0.4
AB9 Layer 5	C1583/31	2.16	16.7	1.851	97.4	-0.5

Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) 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.
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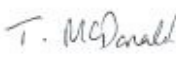
Laboratory Report	ETS/23020	Contract Sample No	C1583/49	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/49	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7)		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	30/09/2025		
	Date Received	30/09/2025		
	Date Completed	01/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/49		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.85 Mg.m ³ Optimum Moisture Content 13 % Particle Density 2.60 Mg/m ³ Source sample reference C1583/53		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 6 Passes	C1583/49	2.04	16.0	1.762	95.2	4.0
Trial Embankment Y9 6 Passes	C1583/49	2.08	13.2	1.839	99.4	5.0
Trial Embankment Y9 6 Passes	C1583/49	2.07	14.2	1.816	98.2	4.4
Trial Embankment Y9 6 Passes	C1583/49	2.11	14.7	1.840	99.4	2.2
Trial Embankment Y9 6 Passes	C1583/49	2.10	13.8	1.844	99.7	3.7
Trial Embankment Y9 6 Passes	C1583/49	2.03	16.0	1.747	94.5	4.8

Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) 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.
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Laboratory Report	ETS/23021	Contract Sample No	C1583/50	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/50	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7)		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	30/09/2025		
	Date Received	30/09/2025		
	Date Completed	01/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/50		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.85 Mg.m ³ Optimum Moisture Content 13 % Particle Density 2.60 Mg/m ³ Source sample reference C1583/53		

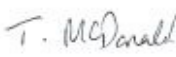
Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 8 Passes	C1583/50	2.10	13.5	1.847	99.8	4.0
Trial Embankment Y9 8 Passes	C1583/50	2.07	13.8	1.819	98.3	4.9
Trial Embankment Y9 8 Passes	C1583/50	2.13	15.8	1.835	99.2	0.4
Trial Embankment Y9 8 Passes	C1583/50	2.06	17.0	1.762	95.3	2.3
Trial Embankment Y9 8 Passes	C1583/50	2.09	16.4	1.794	97.0	1.6
Trial Embankment Y9 8 Passes	C1583/50	2.15	15.4	1.861	100.6	-0.3

Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) 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.
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Laboratory Report	ETS/23022	Contract Sample No	C1583/51	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/51	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	30/09/2025		
	Date Received	30/09/2025		
	Date Completed	01/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/51		
Dove Valley Park				

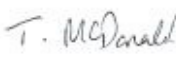
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9			
Operator	JW	Maximum Dry Density (MDD)	1.82 Mg.m ³
		Optimum Moisture Content	14 %
		Particle Density	2.60 Mg/m ³
		Source sample reference	C1583/55

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 10 Passes	C1583/51	2.09	17.4	1.778	97.7	0.7
Trial Embankment Y9 10 Passes	C1583/51	2.12	16.5	1.817	99.8	0.1
Trial Embankment Y9 10 Passes	C1583/51	2.10	16.7	1.796	98.7	0.9
Trial Embankment Y9 10 Passes	C1583/51	2.15	15.3	1.862	102.3	-0.1
Trial Embankment Y9 10 Passes	C1583/51	2.07	17.5	1.765	97.0	1.2
Trial Embankment Y9 10 Passes	C1583/51	2.05	18.1	1.732	95.1	2.1

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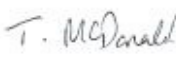
Laboratory Report	ETS/23023	Contract Sample No	C1583/52	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/52	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7)		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	30/09/2025		
	Date Received	30/09/2025		
	Date Completed	01/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/52		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.82 Mg.m ³ Optimum Moisture Content 14 % Particle Density 2.60 Mg/m ³ Source sample reference C1583/55		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 12 Passes	C1583/52	2.10	16.2	1.809	99.4	1.1
Trial Embankment Y9 12 Passes	C1583/52	2.11	17.0	1.807	99.3	-0.2
Trial Embankment Y9 12 Passes	C1583/52	2.12	15.5	1.835	100.9	1.0
Trial Embankment Y9 12 Passes	C1583/52	2.09	17.1	1.784	98.0	0.9
Trial Embankment Y9 12 Passes	C1583/52	2.11	16.5	1.809	99.4	0.6
Trial Embankment Y9 12 Passes	C1583/52	2.12	16.2	1.824	100.2	0.3

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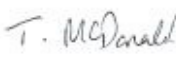
Laboratory Report	ETS/23140	Contract Sample No	C1583/62	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  27572 Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/62	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7) +2% OPC		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	01/10/2025		
	Date Received	01/10/2025		
	Date Completed	02/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/62		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.79 Mg.m ³ Optimum Moisture Content 16 % Particle Density 2.62 Mg/m ³ Source sample reference C1583/72		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 +6 Passes	C1583/62	2.12	14.5	1.855	103.6	2.3
Trial Embankment Y9 +6 Passes	C1583/62	2.10	15.4	1.822	101.8	2.4
Trial Embankment Y9 +6 Passes	C1583/62	2.12	15.5	1.831	102.3	1.7
Trial Embankment Y9 +6 Passes	C1583/62	2.14	14.0	1.874	104.7	2.3
Trial Embankment Y9 +6 Passes	C1583/62	2.06	17.4	1.755	98.0	2.5
Trial Embankment Y9 +6 Passes	C1583/62	2.07	16.1	1.782	99.6	3.3

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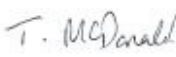
Laboratory Report	ETS/23141	Contract Sample No	C1583/63	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/63	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7) +2% OPC		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	01/10/2025		
	Date Received	01/10/2025		
	Date Completed	02/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/63		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.87 Mg.m ³ Optimum Moisture Content 13 % Particle Density 2.66 Mg/m ³ Source sample reference C1583/73		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 +8 Passes	C1583/63	2.07	17.0	1.768	94.6	3.5
Trial Embankment Y9 +8 Passes	C1583/63	2.15	15.5	1.862	99.6	1.1
Trial Embankment Y9 +8 Passes	C1583/63	2.11	15.9	1.824	97.5	2.4
Trial Embankment Y9 +8 Passes	C1583/63	2.09	16.6	1.793	95.9	2.8
Trial Embankment Y9 +8 Passes	C1583/63	2.11	15.0	1.832	98.0	3.6
Trial Embankment Y9 +8 Passes	C1583/63	2.07	18.4	1.750	93.6	2.0

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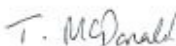
Laboratory Report	ETS/23142	Contract Sample No	C1583/64	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  27572 Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07 October 2025	ETS Contract No	C1583/64	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel (Class 7) +2% OPC		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	01/10/2025		
	Date Received	01/10/2025		
	Date Completed	02/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/64		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.85 Mg.m ³ Optimum Moisture Content 15 % Particle Density 2.63 Mg/m ³ Source sample reference C1583/74		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Trial Embankment Y9 +10 Passes	C1583/64	2.19	12.7	1.942	105.0	1.5
Trial Embankment Y9 +10 Passes	C1583/64	2.18	13.4	1.920	103.8	1.3
Trial Embankment Y9 +10 Passes	C1583/64	2.17	12.4	1.933	104.5	2.5
Trial Embankment Y9 +10 Passes	C1583/64	2.17	14.1	1.900	102.7	1.0
Trial Embankment Y9 +10 Passes	C1583/64	2.17	14.5	1.896	102.5	0.4
Trial Embankment Y9 +10 Passes	C1583/64	2.17	13.6	1.913	103.4	1.3

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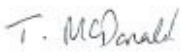
Laboratory Report	ETS/23324	Contract Sample No	C1583/98	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	10 October 2025	ETS Contract No	C1583/98	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel + 2% Lime (Class 7)		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	07/10/2025		
	Date Received	07/10/2025		
	Date Completed	08/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/98		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 1.86 Mg.m ³ Optimum Moisture Content 14 % Particle Density 2.57 Mg/m ³ Source sample reference C1583/99		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Z5 Layer 2 Re-Test	C1583/98	2.09	15.9	1.807	97.1	1.0
Z6 Layer 2 Re-Test	C1583/98	2.13	15.2	1.845	99.2	0.2
Z7 Layer 3 Re-Test	C1583/98	2.11	15.3	1.828	98.3	0.9
Z8 Layer 5 Re-Test	C1583/98	2.11	16.4	1.813	97.5	-0.3
Z9 Layer 5 Re-Test	C1583/98	2.13	15.0	1.852	99.6	0.1
Z10 Layer 8 Re-Test	C1583/98	2.10	17.5	1.785	96.0	-0.7

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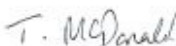
Laboratory Report	ETS/23520	Contract Sample No	C1583/130	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	16 October 2025	ETS Contract No	C1583/130	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Sand & Gravel (Class 6)		
Dove Valley Park	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	13/10/2025		
	Date Received	13/10/2025		
	Date Completed	14/10/2025		
	Sample Location	See Below		
	Client Reference	C1583/130		
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9				
Operator JW		Maximum Dry Density (MDD) 2.11 Mg.m ³ Optimum Moisture Content 5.3 % Particle Density N/A Mg/m ³ Source sample reference C1583/131		

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
AB4 Layer 8	C1583/130	2.20	6.3	2.066	97.9	
AA5 Layer 8	C1583/130	2.18	7.1	2.035	96.4	
AB7 Layer 14	C1583/130	2.20	8.8	2.022	95.8	
Z8 Layer 8	C1583/130	2.21	8.5	2.037	96.5	
Z9 Layer 8	C1583/130	2.19	8.7	2.010	95.3	
Z11 Layer 12	C1583/130	2.17	7.4	2.020	95.8	

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Laboratory Report	ETS/24952	Contract Sample No	C1583/319
Report Date	02 December 2025	ETS Contract No	C1583/319
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park Material Description Source Supplier Date Sampled Date Received Date Completed Sample Location Client Reference Brown Clay W/F-M Gravel (Class 7) + 2% OPC Ex Site Ex Site 27/11/2025 27/11/2025 28/11/2025 See Below C1583/319			
   Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk			
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9			
Operator JW		Maximum Dry Density (MDD) 1.81 Mg.m ³ Optimum Moisture Content 16 % Particle Density 2.69 Mg/m ³ Source sample reference C1583/320	

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
Y11 Layer 12	C1583/319	2.08	19.7	1.734	95.8	1.4
X11 Layer 10	C1583/319	2.09	21.2	1.724	95.3	-0.7
X12 Layer 8	C1583/319	2.08	18.0	1.765	97.5	2.6
W11 Layer 6	C1583/319	2.09	17.4	1.782	98.4	2.8
V11 Layer 2	C1583/319	2.07	20.3	1.723	95.2	1.0
V12 Layer 2	C1583/319	2.11	17.6	1.791	98.9	1.9

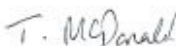
Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) tested. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.
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Laboratory Report	ETS/26357	Contract Sample No	C1583/435	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	11 February 2026	ETS Contract No	C1583/435	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL	Material Description	Brown Clay W/F-M Gravel + 2% Lime (Class 7)		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Sampled	04/02/2026		
	Date Received	04/02/2026		
	Date Completed	05/02/2026		
	Sample Location	See Below		
	Client Reference	C1583/435		
Dove Valley Park				

Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9

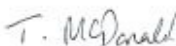
Operator	JW	Maximum Dry Density (MDD)	1.64 Mg.m ³
		Optimum Moisture Content	18 %
		Particle Density	2.62 Mg/m ³
		Source sample reference	C1583/436

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
S8 Layer 8	C1583/435	1.95	23.6	1.581	96.4	2.4
S9 Layer 8	C1583/435	2.00	22.0	1.639	100.0	1.4
T8 Layer 8	C1583/435	1.96	23.2	1.594	97.2	2.2
S8 Layer 9	C1583/435	1.93	23.4	1.564	95.4	3.7
S9 Layer 9	C1583/435	1.99	22.5	1.620	98.8	1.7
T8 Layer 9	C1583/435	1.97	23.0	1.605	97.9	1.8

Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) 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.
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Laboratory Report	ETS/26635	Contract Sample No	C1583/442
Report Date	19 February 2026	ETS Contract No	C1583/442
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Dove Valley Park Material Description Source Supplier Date Sampled Date Received Date Completed Sample Location Client Reference Brown Clay W/F-M Gravel + 2% Lime (Class 7) Ex Site Ex Site 18/02/2026 18/02/2026 19/02/2026 See Below C1583/442			
 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk			
Insitu Density & Moisture Content - Sand Replacement Tests BS 1377: 1990: Part 9			
Operator JW		Maximum Dry Density (MDD) 1.62 Mg.m ³ Optimum Moisture Content 19 % Particle Density 2.60 Mg/m ³ Source sample reference C1583/443	

Test Location	Reference	Bulk Density Mg/m ³	Moisture Content %	Dry Density Mg/m ³	% MDD	Air Voids %
R8 Layer 3	C1583/442	1.94	25.6	1.545	95.3	1.1
R9 Layer 1	C1583/442	1.95	24.4	1.571	97.0	1.3
S8 Layer 12	C1583/442	1.94	25.8	1.541	95.1	1.0
S9 Layer 12	C1583/442	1.96	23.8	1.583	97.7	1.4
T8 Layer 12	C1583/442	1.94	25.4	1.543	95.3	1.5
T9 Layer 12	C1583/442	1.94	24.5	1.554	95.9	2.1

Authorised Signatory 	Results provided for interpretation by others. Results relate only to the item(s) 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.
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Report No.	ETS/22937	Contract Sample No	C1583/31	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	01/10/2025	ETS Contract No	C1583/31	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel		
	Area Tested	See Below		
	Date Sampled/Tested	26/09/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	26/09/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.9 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.66 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/37				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AB10 Layer 5	200	2.16	0.29	15	1.87	98.5	0.6
AB9 Layer 5	200	2.14	0.29	16	1.85	97.2	1.1
AB8 Layer 5	200	2.18	0.28	15	1.89	99.6	0.5
AB7 Layer 5	200	2.14	0.30	16	1.84	96.8	1.1
AB6 Layer 5	200	2.11	0.29	16	1.82	95.6	2.7
AB5 Layer 1	200	2.17	0.29	15	1.89	99.3	0.4
AA10 Layer 1	200	2.12	0.30	16	1.83	96.1	1.5
AA9 Layer 1	200	2.16	0.29	16	1.87	98.3	0.3
Z10 Layer 1	200	2.17	0.29	15	1.88	99.0	0.7
Z11 Layer 1	200	2.12	0.29	16	1.83	96.3	2.0
Z12 Layer 1	200	2.13	0.30	16	1.83	96.3	1.6
AA11 Layer 1	200	2.21	0.29	15	1.93	101.4	-0.9
AB10 Layer 6	200	2.16	0.30	16	1.87	98.3	0.2
AB9 Layer 6	200	2.15	0.30	16	1.86	97.7	0.5
AA9 Layer 2	200	2.16	0.29	15	1.88	98.7	0.7
AB8 Layer 6	200	2.12	0.30	16	1.83	96.2	1.7
AB7 Layer 6	200	2.20	0.29	15	1.91	100.6	-0.6
AA10 Layer 2	200	2.17	0.30	16	1.88	98.7	-0.2
AB6 Layer 6	200	2.15	0.29	16	1.86	98.0	1.0
AB5 Layer 2	200	2.13	0.30	16	1.83	96.6	1.1
AA8 Layer 1	200	2.16	0.29	16	1.87	98.2	0.5
AA7 Layer 1	200	2.20	0.29	15	1.91	100.5	-0.9
AA6 Layer 1	200	2.18	0.29	15	1.89	99.6	-0.4
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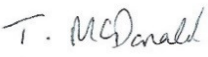
Report No.	ETS/22977	Contract Sample No	C1583/36	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	01/10/2025	ETS Contract No	C1583/36	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	29/09/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	29/09/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.9 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.66 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/37				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
Z12 Layer 2	200	2.12	0.28	16	1.84	96.7	2.5
Z11 Layer 2	200	2.13	0.30	16	1.84	96.6	1.3
Z10 Layer 2	200	2.12	0.30	16	1.82	95.8	1.7
AA11 Layer 2	200	2.13	0.30	17	1.83	96.4	0.9
AA10 Layer 3	200	2.19	0.29	15	1.90	100.1	-0.1
AB10 Layer 7	200	2.24	0.27	14	1.97	103.6	-1.0
AA9 Layer 3	200	2.19	0.28	15	1.91	100.6	-0.1
AB9 Layer 7	200	2.18	0.28	15	1.90	100.1	0.4
AB8 Layer 7	200	2.15	0.28	15	1.88	98.7	1.6
AB7 Layer 7	200	2.20	0.27	14	1.93	101.4	0.2
AA7 Layer 2	200	2.16	0.28	15	1.88	98.8	1.1
AA6 Layer 2	200	2.10	0.29	16	1.81	95.2	2.9
AB5 Layer 3	200	2.19	0.29	15	1.90	99.9	-0.4
AA5 Layer 1	200	2.17	0.27	14	1.90	100.0	1.2
AB4 Layer 1	200	2.13	0.29	16	1.84	97.0	1.7
AA4 Layer 1	200	2.15	0.29	16	1.86	97.9	0.7
Z11 Layer 3	200	2.19	0.26	14	1.92	101.3	1.3
AA9 Layer 4	200	2.17	0.29	15	1.89	99.2	0.2
AB8 Layer 8	200	2.11	0.30	17	1.81	95.4	1.9
AB7 Layer 8	200	2.13	0.29	16	1.84	96.7	1.7
AB6 Layer 8	200	2.15	0.29	16	1.86	97.7	1.3
AA6 Layer 3	200	2.10	0.30	16	1.81	95.1	2.5
AB5 Layer 4	200	2.16	0.29	16	1.87	98.4	0.3
AA5 Layer 2	200	2.15	0.29	15	1.86	97.9	1.4
AB4 Layer 2	200	2.20	0.29	15	1.91	100.6	-0.5
AA4 Layer 2	200	2.17	0.29	15	1.88	99.0	0.3
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

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Earthworks Testing Ltd. - Company No. 14251352
** END OF REPORT **

Page 1 of 1

Report No.	ETS/23134	Contract Sample No	C1583/56	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07/10/2025	ETS Contract No	C1583/56	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	
		Area Tested	See Below	
		Date Sampled/Tested	01/10/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	01/10/2025			
Operator	JW			
TEST REPORT				

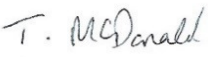
Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.85 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.71 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/66				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AA4 Layer 4	200	2.19	0.28	15	1.91	103.3	1.2
AA5 Layer 4	200	2.20	0.29	15	1.90	103.0	0.6
AA6 Layer 5	200	2.20	0.30	16	1.90	102.7	0.3
AA7 Layer 5	200	2.14	0.30	16	1.84	99.2	2.3
AA8 Layer 5	200	2.18	0.29	15	1.90	102.6	1.4
AA9 Layer 6	200	2.15	0.29	16	1.86	100.4	2.4
AA10 Layer 6	200	2.11	0.30	17	1.81	98.0	3.1
AA11 Layer 5	200	2.20	0.28	15	1.91	103.4	1.2
AA4 Layer 5	200	2.15	0.29	16	1.86	100.6	2.5
AA5 Layer 5	200	2.15	0.30	16	1.86	100.4	1.7
AA6 Layer 6	200	2.17	0.29	16	1.88	101.5	1.6
AA7 Layer 6	200	2.10	0.30	16	1.81	97.6	3.8
AA8 Layer 6	200	2.17	0.30	16	1.87	101.1	1.3
AA9 Layer 7	200	2.11	0.30	17	1.81	97.9	3.1
AA10 Layer 6	200	2.11	0.30	16	1.81	98.1	3.3
AA11 Layer 6	200	2.15	0.29	15	1.86	100.6	2.4
Z8 Layer 1	200	2.15	0.29	16	1.86	100.5	2.0
Z9 Layer 1	200	2.17	0.29	15	1.88	101.9	1.9
Z10 Layer 5	200	2.11	0.29	16	1.82	98.3	3.4
Z11 Layer 5	200	2.09	0.30	17	1.79	96.8	3.9
Z8 Layer 2	200	2.14	0.29	16	1.85	99.8	2.5
Z9 Layer 2	200	2.11	0.30	17	1.81	98.0	3.1
AB4 Layer 4	200	2.14	0.29	16	1.85	100.1	2.6
AB5 Layer 6	200	2.15	0.29	16	1.85	100.1	2.2
AB6 Layer 10	200	2.19	0.29	15	1.90	102.9	0.8
AB7 Layer 10	200	2.18	0.29	15	1.90	102.4	1.2
AB8 Layer 10	200	2.16	0.29	16	1.87	101.1	1.6
AB9 Layer 10	200	2.13	0.30	16	1.83	99.0	2.7
AB10 Layer 10	200	2.19	0.29	15	1.90	102.5	0.9
AA6 Layer 7	200	2.19	0.29	15	1.90	102.8	0.7

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Earthworks Testing Ltd. - Company No. 14251352

Page 1 of 2

Report No.	ETS/23200	Contract Sample No	C1583/75	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07/10/2025	ETS Contract No	C1583/75	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	02/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	02/10/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.85 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.71 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/66				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AA4 Layer 6	200	2.21	0.29	15	1.92	104.0	0.1
AB4 Layer 5	200	2.13	0.29	16	1.84	99.5	3.1
AA5 Layer 6	200	2.17	0.29	16	1.88	101.7	1.3
AB5 Layer 7	200	2.13	0.30	16	1.84	99.2	2.6
AA6 Layer 8	200	2.17	0.28	15	1.89	102.3	2.5
AB6 Layer 11	200	2.16	0.27	15	1.89	102.1	2.9
Z7 Layer 1	200	2.18	0.29	15	1.89	102.4	1.6
AA7 Layer 8	200	2.12	0.29	16	1.83	98.8	3.2
AB7 Layer 11	200	2.11	0.30	16	1.81	97.9	3.6
Z8 Layer 4	200	2.17	0.29	15	1.88	101.5	1.8
AA8 Layer 8	200	2.16	0.29	16	1.87	101.2	1.9
AB8 Layer 11	200	2.19	0.28	15	1.91	103.4	1.4
Z9 Layer 4	200	2.08	0.29	16	1.79	97.0	5.0
AA9 Layer 9	200	2.16	0.29	15	1.87	101.3	2.2
AB9 Layer 11	200	2.09	0.29	16	1.79	97.0	4.3
Z10 Layer 7	200	2.10	0.30	17	1.80	97.5	3.5
AA10 Layer 8	200	2.16	0.29	16	1.86	100.8	1.7
AB10 Layer 11	200	2.22	0.29	15	1.92	103.9	-0.5
Z11 Layer 7	200	2.20	0.28	15	1.91	103.5	1.1
AA11 Layer 8	200	2.10	0.29	16	1.80	97.6	4.2
Y8 Layer 1	200	2.09	0.29	16	1.80	97.1	4.8
Y9 Layer 1	200	2.17	0.29	15	1.89	102.1	1.8
Z4 Layer 1	200	2.12	0.29	16	1.84	99.2	3.5
Z5 Layer 1	200	2.09	0.30	17	1.79	97.0	4.2
Z6 Layer 1	200	2.17	0.28	15	1.88	101.8	2.1
AA4 Layer 7	200	2.14	0.29	16	1.85	99.7	2.7
AB4 Layer 6	200	2.11	0.30	16	1.81	97.8	3.6
AA5 Layer 7	200	2.18	0.28	15	1.90	102.5	1.7
AB5 Layer 8	200	2.17	0.28	15	1.89	102.4	2.1
AA6 Layer 9	200	2.16	0.29	15	1.87	101.3	1.8

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Earthworks Testing Ltd. - Company No. 14251352

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Report No.	ETS/23200	Contract Sample No	C1583/75	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Duncroft Doncaster DN7 4JJ Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk 
Report Date	07/10/2025	ETS Contract No	C1583/75	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	02/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
Date Completed	02/10/2025			
Operator	JW			

TEST REPORT

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.85 Mg/m³	Bulk Density	Moisture Density		
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.690	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.71 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.200
		Source sample reference	C1583/66				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AB6 Layer 12	200	2.13	0.29	16	1.83	99.1	3.0
Z7 Layer 2	200	2.18	0.29	15	1.89	102.3	1.6
AA7 Layer 9	200	2.17	0.28	15	1.89	101.9	2.3
AB7 Layer 12	200	2.13	0.29	16	1.84	99.5	2.7
Z8 Layer 5	200	2.15	0.28	15	1.87	101.0	2.6
AA8 Layer 9	200	2.11	0.30	16	1.82	98.2	3.2
AB8 Layer 12	200	2.16	0.28	15	1.88	101.4	2.8
Z9 Layer 5	200	2.17	0.27	14	1.89	102.3	2.9
AA9 Layer 10	200	2.16	0.29	15	1.87	101.2	2.0
AB9 Layer 12	200	2.19	0.28	15	1.90	102.8	1.5
Z10 Layer 8	200	2.11	0.29	16	1.83	98.9	3.9
AA10 Layer 9	200	2.18	0.28	15	1.89	102.3	1.8
AB10 Layer 12	200	2.11	0.29	16	1.82	98.3	3.6
Z11 Layer 8	200	2.13	0.29	16	1.84	99.5	3.4
AA11 Layer 9	200	2.09	0.29	16	1.79	96.9	4.6
Y8 Layer 2	200	2.15	0.29	16	1.86	100.4	2.4
Y9 Layer 2	200	2.10	0.29	16	1.81	98.0	3.9
Z4 Layer 2	200	2.16	0.28	15	1.88	101.7	2.3
AA4 Layer 8	200	2.17	0.30	16	1.87	101.0	1.3
AB4 Layer 7	200	2.16	0.29	15	1.88	101.4	1.9
Z5 Layer 2	200	2.19	0.29	15	1.91	103.0	1.0
AA5 Layer 8	200	2.18	0.29	15	1.89	102.4	1.6
AB5 Layer 9	200	2.18	0.29	15	1.88	101.9	1.3
Z6 Layer 2	200	2.17	0.29	16	1.88	101.7	1.3
AA6 Layer 10	200	2.19	0.29	15	1.90	102.5	1.0
AB6 Layer 13	200	2.15	0.28	15	1.87	100.9	2.9
Z7 Layer 3	200	2.16	0.29	15	1.87	101.1	2.1
AA7 Layer 10	200	2.14	0.29	16	1.85	100.0	2.6
AB7 Layer 13	200	2.14	0.29	16	1.85	99.9	2.8
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Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

Report No.	ETS/23320	Contract Sample No	C1583/94	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	07/10/2025	ETS Contract No	C1583/94	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) +2% OPC	
		Area Tested	See Below	
		Date Sampled/Tested	07/10/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	07/10/2025	
		Operator	JW	
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.81 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	16 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.63 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/96	$D = (BD \times b) + a$		$M = (MD \times d) + c$	

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Report No.	ETS/23371	Contract Sample No	C1583/105	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	10/10/2025	ETS Contract No	C1583/105	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	08/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	08/10/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.85 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.71 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AA6 Layer 10	200	2.16	0.29	16	1.87	101.0	2.1
AA6 Layer 2	200	2.19	0.29	15	1.90	102.8	1.3
AA6 Layer 3	200	2.13	0.29	16	1.84	99.6	2.9
AA5 Layer 1	200	2.09	0.29	16	1.79	97.0	4.5
AA6 Layer 4	200	2.09	0.30	17	1.79	96.7	4.2
AA4 Layer 1	200	2.13	0.29	16	1.84	99.2	3.2
AA5 Layer 2	200	2.16	0.29	15	1.87	101.2	2.1
AA6 Layer 5	200	2.15	0.29	16	1.86	100.7	2.2
AA4 Layer 2	200	2.10	0.29	16	1.81	97.9	3.9
AA7 Layer 11	200	2.18	0.29	15	1.89	102.2	1.6
AA8 Layer 10	200	2.11	0.29	16	1.82	98.2	3.6
Z8 Layer 6	200	2.11	0.30	16	1.81	98.0	3.3
Z9 Layer 6	200	2.19	0.29	15	1.91	103.0	1.0
AA9 Layer 11	200	2.10	0.29	16	1.81	97.8	4.3
AB9 Layer 13	200	2.15	0.29	16	1.86	100.4	1.9
Z10 Layer 9	200	2.15	0.29	15	1.87	100.8	2.4
AA10 Layer 10	200	2.16	0.28	15	1.87	101.3	2.5
AB10 Layer 13	200	2.17	0.29	15	1.88	101.8	1.5
Z11 Layer 9	200	2.18	0.29	15	1.89	102.2	1.2
AA4 Layer 3	200	2.09	0.29	16	1.80	97.2	4.3
AA5 Layer 3	200	2.13	0.29	16	1.84	99.2	2.9
AA6 Layer 6	200	2.13	0.29	16	1.84	99.4	3.2
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Report No.	ETS/23391	Contract Sample No	C1583/113	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	10/10/2025	ETS Contract No	C1583/113	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	09/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	09/10/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.85 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.71 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/66				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AA4 Layer 4	200	2.11	0.29	16	1.82	98.5	3.8
AA5 Layer 4	200	2.19	0.29	15	1.90	102.7	0.5
AA6 Layer 4	200	2.15	0.30	16	1.85	100.1	2.2
AA4 Layer 5	200	2.17	0.29	15	1.89	102.1	1.7
AA5 Layer 5	200	2.10	0.29	16	1.80	97.3	4.1
AA6 Layer 8	200	2.17	0.29	15	1.88	101.9	1.9
AA7 Layer 12	200	2.19	0.28	15	1.91	103.3	1.4
AA8 Layer 11	200	2.14	0.29	15	1.86	100.3	2.8
AB8 Layer 13	200	2.15	0.28	15	1.88	101.4	2.9
AA9 Layer 11	200	2.15	0.29	16	1.86	100.7	2.1
AB9 Layer 13	200	2.15	0.28	15	1.86	100.8	2.8
Z10 Layer 9	200	2.15	0.30	16	1.86	100.3	1.9
Z11 Layer 9	200	2.12	0.29	16	1.82	98.6	3.3
AA10 Layer 11	200	2.14	0.28	15	1.86	100.4	3.1
AB10 Layer 14	200	2.15	0.28	15	1.87	101.0	2.8
AA4 Layer 6	200	2.11	0.30	16	1.81	97.9	3.4
AA5 Layer 6	200	2.11	0.29	16	1.82	98.5	3.7
AA6 Layer 9	200	2.13	0.29	16	1.84	99.6	3.1
AA7 Layer 13	200	2.18	0.28	15	1.90	102.7	1.7
AA8 Layer 12	200	2.14	0.29	16	1.85	100.0	2.7
AB8 Layer 14	200	2.15	0.29	16	1.86	100.3	2.6
AA9 Layer 12	200	2.17	0.29	15	1.88	101.8	1.9
AB9 Layer 14	200	2.15	0.29	16	1.86	100.7	2.2
Z10 Layer 10	200	2.17	0.28	15	1.89	102.2	1.9
Z11 Layer 10	200	2.12	0.29	16	1.82	98.6	3.3
AA10 Layer 12	200	2.12	0.29	16	1.83	98.9	3.7
AB10 Layer 15	200	2.17	0.29	15	1.88	101.8	1.6
AA4 Layer 7	200	2.10	0.30	16	1.80	97.2	4.0
AA5 Layer 7	200	2.13	0.29	16	1.84	99.7	3.0
AA6 Layer 10	200	2.19	0.29	15	1.90	102.5	0.8

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Earthworks Testing Ltd. - Company No. 14251352

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Report No.	ETS/23557	Contract Sample No	C1583/136	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	15/10/2025	ETS Contract No	C1583/136	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	14/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
Date Samples Received	14/10/2025			
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.92 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.73 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/106				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
AA10 Layer 15	200	2.20	0.28	15	1.92	99.8	1.4
AA10 Layer 16	200	2.22	0.28	14	1.94	101.2	0.9
AA10 Layer 17	200	2.16	0.29	16	1.87	97.5	2.4
AB10 Layer 18	200	2.18	0.29	15	1.89	98.5	2.1
AA10 Layer 18	200	2.15	0.29	16	1.86	96.7	2.9
AA11 Layer 10	200	2.12	0.29	16	1.83	95.2	3.6
AB9 Layer 17	200	2.15	0.29	15	1.86	97.0	3.0
AB8 Layer 17	200	2.18	0.28	15	1.89	98.7	2.2
AB7 Layer 15	200	2.20	0.28	15	1.92	99.8	1.6
AB6 Layer 14	200	2.14	0.29	16	1.84	96.0	3.3
AB5 Layer 10	200	2.16	0.29	15	1.88	97.7	2.8
AB4 Layer 9	200	2.13	0.30	16	1.84	95.7	3.2
AB9 Layer 18	200	2.15	0.30	16	1.85	96.5	2.6
AA4 Layer 9	200	2.21	0.28	15	1.93	100.4	1.0
Z4 Layer 5	200	2.19	0.29	15	1.90	98.9	1.5
AA5 Layer 9	200	2.16	0.29	16	1.87	97.5	2.3
Z5 Layer 5	200	2.13	0.29	16	1.84	95.8	3.3
Z6 Layer 5	200	2.17	0.28	15	1.89	98.5	2.5
AA6 Layer 12	200	2.15	0.30	16	1.85	96.6	2.4
AA7 Layer 15	200	2.13	0.30	16	1.83	95.5	3.1
Z7 Layer 6	200	2.15	0.29	16	1.86	96.7	2.6
AA8 Layer 15	200	2.16	0.28	15	1.88	97.9	2.7
Z8 Layer 9	200	2.12	0.30	16	1.83	95.2	3.5
Z9 Layer 9	200	2.18	0.28	15	1.89	98.6	2.4
Z10 Layer 13	200	2.13	0.29	16	1.84	96.0	3.6
Z11 Layer 13	200	2.14	0.29	16	1.84	96.0	3.2
AA9 Layer 15	200	2.17	0.29	15	1.88	97.7	2.3
Y6 Layer 1	200	2.17	0.29	15	1.88	97.8	2.4
Y7 Layer 1	200	2.12	0.29	16	1.83	95.1	3.7
Y8 Layer 3	200	2.17	0.29	15	1.88	97.8	2.3

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Report No.	ETS/23609	Contract Sample No	C1583/142	  Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
Report Date	15/10/2025	ETS Contract No	C1583/142	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	
		Area Tested	See Below	
		Date Sampled/Tested	15/10/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	15/10/2025	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

TEST REPORT

Ground Investigation Absolute Tests

[illegible]

Report No.	ETS/23650	Contract Sample No	C1583/154	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	22/10/2025	ETS Contract No	C1583/154	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	
		Area Tested	See Below	
		Date Sampled/Tested	16/10/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	16/10/2025			
Operator	JW			
TEST REPORT				

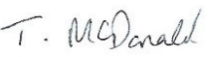
Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.92 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.73 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/106				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
Y4 Layer 1	200	2.17	0.29	15	1.88	98.1	1.9
Y5 Layer 1	200	2.13	0.29	16	1.84	95.6	3.4
Y6 Layer 2	200	2.15	0.29	16	1.86	96.7	2.9
Y7 Layer 3	200	2.21	0.29	15	1.93	100.4	0.8
Y8 Layer 5	200	2.14	0.29	16	1.84	96.0	3.3
Y9 Layer 5	200	2.19	0.29	15	1.90	99.2	1.6
Y10 Layer 1	200	2.19	0.29	15	1.90	98.9	1.7
Z7 Layer 10	200	2.22	0.28	15	1.94	101.1	0.5
Z8 Layer 13	200	2.15	0.29	16	1.86	96.9	3.0
Z9 Layer 13	200	2.13	0.29	16	1.84	95.8	3.3
Z10 Layer 15	200	2.12	0.29	16	1.83	95.2	4.1
AA8 Layer 17	200	2.15	0.29	15	1.87	97.2	2.9
AA9 Layer 17	200	2.19	0.28	15	1.90	99.2	1.8
Y4 Layer 2	200	2.17	0.29	15	1.88	97.9	2.2
Y5 Layer 2	200	2.16	0.29	16	1.87	97.2	2.3
Y6 Layer 3	200	2.19	0.29	16	1.89	98.5	1.3
Y7 Layer 4	200	2.19	0.29	15	1.90	98.8	1.4
Y8 Layer 6	200	2.13	0.30	16	1.83	95.5	3.2
Y9 Layer 6	200	2.15	0.29	16	1.86	96.8	2.8
Y10 Layer 2	200	2.20	0.29	15	1.91	99.6	1.1
Z10 Layer 16	200	2.12	0.30	16	1.83	95.3	3.5
Z9 Layer 14	200	2.23	0.29	15	1.95	101.3	0.0
AA9 Layer 18	200	2.17	0.29	16	1.87	97.6	2.2
Y4 Layer 3	200	2.20	0.28	15	1.92	100.0	1.3
Y5 Layer 3	200	2.17	0.29	15	1.88	98.1	2.4
Y6 Layer 4	200	2.16	0.30	16	1.86	96.8	2.0
Y7 Layer 5	200	2.17	0.30	16	1.87	97.4	1.7
Y8 Layer 7	200	2.20	0.29	15	1.91	99.7	1.2
Y9 Layer 7	200	2.17	0.29	16	1.88	98.0	1.7
Y10 Layer 3	200	2.20	0.28	15	1.92	100.1	1.4

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Report No.	ETS/23709	Contract Sample No	C1583/167	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	22/10/2025	ETS Contract No	C1583/167	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	17/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	17/10/2025		
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.92 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.73 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/106	D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
X8 Layer 9	200	2.16	0.29	16	1.86	97.1	2.4
Y9 Layer 9	200	2.19	0.29	15	1.90	99.1	1.4
Y10 Layer 5	200	2.22	0.29	15	1.93	100.7	0.7
Y8 Layer 10	200	2.15	0.30	16	1.86	96.7	2.2
Y9 Layer 10	200	2.15	0.30	16	1.85	96.5	2.3
Y10 Layer 6	200	2.13	0.29	16	1.84	95.9	3.6
Y9 Layer 11	200	2.19	0.28	15	1.91	99.5	1.6
Y10 Layer 7	200	2.17	0.28	15	1.89	98.5	2.3
Y9 Layer 12	200	2.16	0.30	16	1.87	97.4	2.0
Y10 Layer 8	200	2.14	0.30	16	1.84	96.0	2.7
X4 Layer 1	200	2.20	0.28	15	1.92	99.8	1.6
X5 Layer 1	200	2.25	0.28	14	1.96	102.2	-0.2
X6 Layer 1	200	2.18	0.29	15	1.89	98.5	1.6
X7 Layer 1	200	2.14	0.29	16	1.85	96.3	2.9
X8 Layer 1	200	2.19	0.29	15	1.90	99.1	1.6
X4 Layer 3	200	2.14	0.29	16	1.85	96.2	2.9
X5 Layer 3	200	2.14	0.29	16	1.85	96.5	3.2
X6 Layer 3	200	2.18	0.28	15	1.90	98.8	2.0
X7 Layer 3	200	2.20	0.28	15	1.92	100.0	1.3
X8 Layer 3	200	2.16	0.29	15	1.87	97.6	2.4
X4 Layer 4	200	2.18	0.28	15	1.89	98.5	2.3
X5 Layer 4	200	2.19	0.28	15	1.91	99.4	1.9
X6 Layer 4	200	2.19	0.28	15	1.91	99.5	2.0
X7 Layer 4	200	2.16	0.28	15	1.88	97.9	2.7
X8 Layer 4	200	2.17	0.28	15	1.89	98.4	2.5
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Report No.	ETS/24036	Contract Sample No	C1583/224	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	04/11/2025	ETS Contract No	C1583/224	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	
		Area Tested	See Below	
		Date Sampled/Tested	29/10/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	29/10/2025			
Operator	JW			
TEST REPORT				

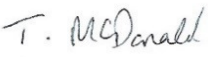
Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.92 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.73 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/106				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
V6 Layer 1	200	2.18	0.29	15	1.90	98.7	1.8
V6 Layer 1	200	2.20	0.30	16	1.90	99.1	0.7
U6 Layer 1	200	2.20	0.28	15	1.92	100.0	1.4
T6 Layer 1	200	2.17	0.28	15	1.89	98.3	2.7
S6 Layer 1	200	2.19	0.29	16	1.89	98.6	1.2
R6 Layer 1	200	2.20	0.29	15	1.91	99.5	0.9
V6 Layer 2	200	2.16	0.29	15	1.87	97.7	2.5
U6 Layer 2	200	2.20	0.29	15	1.91	99.5	1.4
T6 Layer 2	200	2.17	0.30	16	1.88	97.8	1.6
S6 Layer 2	200	2.22	0.28	15	1.93	100.6	0.8
W7 Layer 4	200	2.19	0.29	15	1.90	98.8	1.4
R6 Layer 2	200	2.20	0.30	16	1.90	98.9	0.8
W7 Layer 5	200	2.24	0.28	14	1.96	101.9	0.3
V6 Layer 3	200	2.17	0.29	15	1.88	97.9	2.2
U6 Layer 3	200	2.19	0.30	16	1.89	98.5	1.2
T6 Layer 3	200	2.18	0.28	15	1.90	98.9	1.9
S6 Layer 3	200	2.21	0.28	15	1.93	100.4	1.0
R6 Layer 3	200	2.19	0.29	15	1.90	98.8	1.3
W8 Layer 4	200	2.18	0.29	15	1.90	98.7	2.0
W9 Layer 1	200	2.23	0.29	15	1.94	101.1	0.2
V6 Layer 4	200	2.22	0.29	15	1.93	100.6	0.5
U6 Layer 4	200	2.21	0.30	15	1.91	99.5	0.4
T6 Layer 4	200	2.21	0.29	15	1.92	100.2	0.6
S6 Layer 4	200	2.20	0.30	16	1.91	99.2	0.5
R6 Layer 4	200	2.21	0.29	15	1.92	100.1	0.8
W8 Layer 5	200	2.21	0.28	15	1.93	100.6	1.1
W9 Layer 2	200	2.25	0.29	15	1.97	102.4	-0.5
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

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Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

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Report No.	ETS/24112	Contract Sample No	C1583/229	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	04/11/2025	ETS Contract No	C1583/229	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	30/10/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
Date Samples Received	30/10/2025			
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.92 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	14 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.73 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/106				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
V6 Layer 5	200	2.22	0.29	15	1.93	100.6	0.5
U6 Layer 5	200	2.21	0.29	15	1.92	100.0	0.4
T6 Layer 5	200	2.21	0.30	16	1.91	99.6	0.3
S6 Layer 5	200	2.23	0.28	15	1.94	101.1	0.5
R6 Layer 5	200	2.18	0.30	16	1.88	98.0	1.3
V6 Layer 6	200	2.21	0.29	15	1.91	99.6	0.6
U6 Layer 6	200	2.21	0.28	15	1.93	100.4	1.0
T6 Layer 6	200	2.20	0.29	15	1.91	99.6	1.1
S6 Layer 6	200	2.17	0.29	15	1.89	98.3	2.3
R6 Layer 6	200	2.24	0.28	14	1.95	101.8	0.1
V6 Layer 7	200	2.19	0.30	16	1.89	98.5	1.1
U6 Layer 7	200	2.19	0.29	15	1.90	98.7	1.2
T6 Layer 7	200	2.22	0.29	15	1.92	100.3	0.4
V6 Layer 8	200	2.18	0.30	16	1.88	98.1	1.2
X10 Layer 1	200	2.20	0.29	15	1.91	99.7	1.3
Y10 Layer 10	200	2.17	0.29	16	1.88	97.7	2.0
X10 Layer 2	200	2.17	0.29	15	1.89	98.2	2.3
W10 Layer 1	200	2.21	0.28	15	1.93	100.3	1.1
V7 Layer 1	200	2.23	0.28	15	1.95	101.4	0.5
U7 Layer 1	200	2.20	0.28	15	1.91	99.5	1.6
Y10 Layer 11	200	2.19	0.29	16	1.89	98.6	1.2
X10 Layer 3	200	2.17	0.29	15	1.88	98.1	2.0
W10 Layer 2	200	2.19	0.29	15	1.90	99.0	1.6
W9 Layer 2	200	2.18	0.29	15	1.89	98.4	1.8
V7 Layer 2	200	2.21	0.28	15	1.93	100.5	0.9
U7 Layer 2	200	2.18	0.29	15	1.89	98.7	1.9
T7 Layer 1	200	2.23	0.28	15	1.95	101.3	0.4
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Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

Page 1 of 1

Report No.	ETS/24667	Contract Sample No	C1583/281	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	01/12/2025	ETS Contract No	C1583/281	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	
		Area Tested	See Below	
		Date Sampled/Tested	20/11/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	20/11/2025			
Operator	JW			
TEST REPORT				

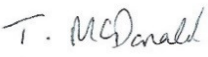
Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.88 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	15 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.72 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/287				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
W14 Layer 1	200	2.18	0.29	15	1.90	100.9	1.5
X13 Layer 1	200	2.18	0.29	16	1.88	100.1	1.3
X12 Layer 1	200	2.20	0.28	15	1.92	102.0	1.1
X11 Layer 4	200	2.22	0.30	15	1.93	102.4	-0.3
Y11 Layer 6	200	2.24	0.28	14	1.96	104.1	-0.2
V14 Layer 1	200	2.18	0.30	16	1.89	100.5	1.0
V13 Layer 1	200	2.22	0.29	15	1.93	102.7	0.1
V16 Layer 1	200	2.23	0.29	15	1.95	103.7	-0.2
W16 Layer 1	200	2.16	0.30	16	1.86	99.1	1.8
W17 Layer 1	200	2.23	0.29	15	1.94	103.1	-0.8
X16 Layer 1	200	2.19	0.30	16	1.90	101.0	0.7
W15 Layer 1	200	2.19	0.30	16	1.89	100.4	0.7
V16 Layer 2	200	2.18	0.30	16	1.88	99.8	1.0
W16 Layer 2	200	2.18	0.30	16	1.88	100.1	1.1
W17 Layer 2	200	2.24	0.29	15	1.94	103.4	-0.6
X16 Layer 2	200	2.16	0.29	15	1.88	99.7	2.2
W15 Layer 2	200	2.23	0.29	15	1.95	103.6	-0.1
V16 Layer 3	200	2.17	0.30	16	1.88	99.8	1.1
W16 Layer 3	200	2.18	0.29	15	1.90	101.0	1.7
W17 Layer 3	200	2.17	0.30	16	1.88	99.9	1.3
X16 Layer 3	200	2.21	0.30	15	1.91	101.7	0.2
W15 Layer 3	200	2.23	0.29	15	1.94	103.3	-0.6
W17 Layer 5	200	2.18	0.30	16	1.88	100.2	1.0
W17 Layer 6	200	2.24	0.30	15	1.95	103.5	-1.1
W17 Layer 7	200	2.16	0.30	16	1.86	98.9	2.0
W17 Layer 8	200	2.21	0.29	15	1.92	102.3	0.4
W15 Layer 5	200	2.22	0.29	15	1.94	103.1	0.2
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** END OF REPORT **

Page 1 of 1

Report No.	ETS/24789	Contract Sample No	C1583/295	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	01/12/2025	ETS Contract No	C1583/295	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park	Material Description	Brown Clay W/F-M Gravel (Class 7)		
	Area Tested	See Below		
	Date Sampled/Tested	21/11/2025		
	Sample Plan	ETL Procedure		
	Weather Conditions	Overcast		
	Source	Ex Site		
	Supplier	Ex Site		
	Date Samples Received	21/11/2025		
Operator	JW			
TEST REPORT				

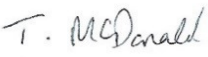
Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.88 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	15 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.72 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/287	D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
W14 Layer 4	200	2.20	0.29	15	1.91	101.4	0.9
X13 Layer 4	200	2.18	0.28	15	1.90	101.0	1.8
X12 Layer 4	200	2.21	0.29	15	1.92	102.1	0.9
X11 Layer 7	200	2.19	0.29	16	1.90	100.9	0.8
Y11 Layer 9	200	2.23	0.28	15	1.94	103.4	0.1
V14 Layer 4	200	2.23	0.28	14	1.95	103.8	0.1
V13 Layer 4	200	2.19	0.29	15	1.90	101.0	1.3
V16 Layer 6	200	2.17	0.30	16	1.87	99.7	1.5
W16 Layer 6	200	2.20	0.29	15	1.90	101.2	0.7
W17 Layer 10	200	2.19	0.28	15	1.90	101.2	1.7
X16 Layer 6	200	2.20	0.29	15	1.91	101.8	0.6
W15 Layer 7	200	2.18	0.30	16	1.89	100.3	0.9
V16 Layer 7	200	2.19	0.30	16	1.89	100.4	0.8
W16 Layer 7	200	2.19	0.30	16	1.90	100.8	0.6
W17 Layer 11	200	2.22	0.29	15	1.92	102.3	0.0
X16 Layer 7	200	2.16	0.29	16	1.87	99.2	1.9
W15 Layer 8	200	2.26	0.29	15	1.97	105.0	-1.2
V16 Layer 8	200	2.17	0.29	15	1.88	100.1	1.9
W16 Layer 8	200	2.23	0.29	15	1.94	103.2	-0.3
W17 Layer 12	200	2.20	0.29	15	1.91	101.6	0.5
X16 Layer 8	200	2.17	0.29	16	1.88	100.1	1.6
W15 Layer 9	200	2.20	0.28	15	1.92	101.9	1.1
W17 Layer 13	200	2.25	0.29	15	1.96	104.4	-0.7
W15 Layer 10	200	2.24	0.30	15	1.95	103.7	-1.3
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-	-	-	-	-	-	-	-
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Page 1 of 1

Report No.	ETS/24810	Contract Sample No	C1583/300	 
Report Date	01/12/2025	ETS Contract No	C1583/300	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
		Area Tested	See Below	
		Date Sampled/Tested	25/11/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	25/11/2025	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

Report No.	ETS/24817	Contract Sample No	C1583/307	 
Report Date	02/12/2025	ETS Contract No	C1583/307	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
		Area Tested	See Below	
		Date Sampled/Tested	26/11/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	26/11/2025	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

TEST REPORT

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.8 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	15 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.7 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/308				
				$D = (BD \times b) + a$		$M = (MD \times d) + c$	

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Report No.	ETS/24820	Contract Sample No	C1583/310	 
Report Date	02/12/2025	ETS Contract No	C1583/310	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel +2% OPC (Class 7)	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
		Area Tested	See Below	
		Date Sampled/Tested	26/11/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	26/11/2025	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.83 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	13 %	Gradient (b)	1.689	Gradient (d)	0.321
Mode	Direct Transmission	Particle Density (Determined)	2.62 Mg/m³	Intercept (a)	-1.437	Intercept (c)	0.198
		Source sample reference	C1583/311				
				$D=(BD \times b)+a$		$M=(MD \times d)+c$	

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Report No.	ETS/25256	Contract Sample No	C1583/335	 
Report Date	18/12/2025	ETS Contract No	C1583/335	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7)	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
		Area Tested	See Below	
		Date Sampled/Tested	10/12/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	10/12/2025	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT



TEST REPORT

Ground Investigation Absolute Tests

[illegible]

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Report No.	ETS/25261	Contract Sample No	C1583/340	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	18/12/2025	ETS Contract No	C1583/340	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	
		Area Tested	See Below	
		Date Sampled/Tested	11/12/2025	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	11/12/2025			
Operator	JW			

TEST REPORT

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.79 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	17 %	Gradient (b)	0.173	Gradient (d)	0.784
Mode	Direct Transmission	Particle Density (Determined)	2.69 Mg/m³	Intercept (a)	1.746	Intercept (c)	0.058
		Source sample reference	C1583/341				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
Z4 FFL Re-Test	200	2.10	0.28	16	1.82	101.7	3.9
Z5 FFL Re-Test	200	2.11	0.28	15	1.83	102.1	3.8
Z6 FFL Re-Test	200	2.11	0.28	15	1.84	102.5	4.0
AA4 FFL Re-Test	200	2.11	0.30	17	1.81	101.1	2.8
AA5 FFL Re-Test	200	2.12	0.29	16	1.83	102.3	3.4
AA6 FFL Re-Test	200	2.11	0.30	16	1.82	101.5	3.0
Y4 FFL Re-Test	200	2.11	0.29	16	1.81	101.4	3.1
Y5 FFL Re-Test	200	2.11	0.30	16	1.81	101.0	3.0
Y6 FFL Re-Test	200	2.11	0.28	15	1.83	102.5	4.0
X4 FFL Re-Test	200	2.11	0.28	15	1.84	102.6	4.1
X5 FFL Re-Test	200	2.11	0.30	16	1.81	101.3	2.8
X6 FFL Re-Test	200	2.11	0.30	17	1.81	101.0	2.7
W4 FFL Re-Test	200	2.11	0.30	16	1.82	101.4	3.0
W5 FFL Re-Test	200	2.11	0.30	16	1.81	101.1	2.9
W6 FFL Re-Test	200	2.11	0.28	15	1.84	102.6	4.1
V7 Layer 5	200	2.11	0.31	17	1.80	100.6	2.4
U7 Layer 5	200	2.11	0.30	17	1.80	100.8	2.5
T7 Layer 5	200	2.11	0.29	16	1.82	101.9	3.6
S7 Layer 2	200	2.11	0.29	16	1.82	101.5	3.4
R7 Layer 1	200	2.12	0.28	15	1.83	102.5	3.6
V7 Layer 6	200	2.12	0.28	15	1.84	102.7	3.8
U7 Layer 6	200	2.11	0.29	16	1.82	101.5	3.0
T7 Layer 6	200	2.11	0.30	16	1.81	101.1	3.0
S7 Layer 3	200	2.11	0.28	15	1.83	102.5	4.1
K8 Layer 1	200	2.11	0.30	16	1.81	101.1	3.0
L8 Layer 1	200	2.11	0.29	16	1.82	101.9	3.6
K8 Layer 2	200	2.12	0.28	15	1.84	102.7	3.8
L8 Layer 2	200	2.11	0.29	16	1.83	102.1	3.6
K8 Layer 3	200	2.12	0.28	15	1.84	102.9	3.9
L8 Layer 3	200	2.11	0.30	16	1.82	101.5	2.9

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** END OF REPORT **

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Report No.	ETS/25598	Contract Sample No	C1583/367	  Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ 
Report Date	08/01/2026	ETS Contract No	C1583/367	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT
		Area Tested	See Below	
		Date Sampled/Tested	06/01/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	06/01/2026	
		Operator	JW	

Report No.	ETS/25599	Contract Sample No	C1583/368	 
Report Date	08/01/2026	ETS Contract No	C1583/368	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ
		Area Tested	See Below	
		Date Sampled/Tested	06/01/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	06/01/2026	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.75 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	17 %	Gradient (b)	0.173	Gradient (d)	0.784
Mode	Direct Transmission	Particle Density (Determined)	2.68 Mg/m³	Intercept (a)	1.746	Intercept (c)	0.058
		Source sample reference	C1583/363	D=(BD x b)+a		M=(MD x d)+c	

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** END OF REPORT **

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Report No.	ETS/25620	Contract Sample No	C1583/371	 ETL EARTHWORKS TESTING LTD Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  UKAS TESTING 27572
Report Date	08/01/2026	ETS Contract No	C1583/371	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	TEST REPORT
		Area Tested	See Below	
		Date Sampled/Tested	07/01/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	07/01/2026	
		Operator	JW	

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied		
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.78 Mg/m³	Bulk Density	Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	16 %	Gradient (b)	0.173	Gradient (d) 0.784
Mode	Direct Transmission	Particle Density (Determined)	2.62 Mg/m³	Intercept (a)	1.746	Intercept (c) 0.058
		Source sample reference	C1583/373	$D = (BD \times b) + a$ $M = (MD \times d) + c$		

[illegible]

Template Version: 1.0

Comments:

Authorised Signatory

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Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

Page 1 of 1

Report No.	ETS/25652	Contract Sample No	C1583/376	  Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ 
Report Date	09/01/2026	ETS Contract No	C1583/376	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT
		Area Tested	See Below	
		Date Sampled/Tested	08/01/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	08/01/2026	
		Operator	JW	

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.78 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	16 %	Gradient (b)	0.173	Gradient (d)	0.784
Mode	Direct Transmission	Particle Density (Determined)	2.62 Mg/m³	Intercept (a)	1.746	Intercept (c)	0.058
		Source sample reference	C1583/373	D=(BD x b)+a		M=(MD x d)+c	

[illegible]

Template Version: 1.0

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Comments:

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Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

Page 1 of 1

Report No.	ETS/26069	Contract Sample No	C1583/407	 
Report Date	22/01/2026	ETS Contract No	C1583/407	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ 
		Area Tested	See Below	
		Date Sampled/Tested	20/01/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
		Date Samples Received	20/01/2026	
		Operator	JW	
				Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk TEST REPORT

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990

Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied		
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.77 Mg/m³	Bulk Density	Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	18 %	Gradient (b)	0.173	Gradient (d) 0.784
Mode	Direct Transmission	Particle Density (Determined)	2.68 Mg/m³	Intercept (a)	1.746	Intercept (c) 0.058
		Source sample reference	C1583/397			
				$D = (BD \times b) + a$ $M = (MD \times d) + c$		

[illegible]

Template Version: 1.0

Authorised Signatory

Comments:

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Results relate only to the samples tested. Tests carried out at site. Where reported, oven dried moisture carried out to BS 1377: Part 2

Earthworks Testing Ltd. - Company No. 14251352

** END OF REPORT **

Page 1 of 1

Report No.	ETS/26635	Contract Sample No	C1583/442	 Unit 6 Eco Park, Eco Way Bootham Lane Dunscroft Doncaster DN7 4JJ  Tel: 0345 2162900 Email: ops@earthworkstesting.co.uk
Report Date	19/02/2026	ETS Contract No	C1583/442	
Collins Earthworks Ltd Whiteley Road Ripley Derbyshire DE5 3QL Site: Dove Valley Park		Material Description	Brown Clay W/F-M Gravel (Class 7) + 2% Lime	
		Area Tested	See Below	
		Date Sampled/Tested	18/02/2026	
		Sample Plan	ETL Procedure	
		Weather Conditions	Overcast	
		Source	Ex Site	
		Supplier	Ex Site	
Date Samples Received	18/02/2026			
Operator	JW			
TEST REPORT				

Insitu Density & Moisture Content - Nuclear Density Gauge. Tested in Accordance with BS 1377: 1990: Part 9: 1990
Ground Investigation Absolute Tests

Density Gauge Data		Material Data		Gauge Corrections Applied			
Gauge model	Instrotek Xplorer 2	Maximum Dry Density (MDD)	1.62 Mg/m³	Bulk Density		Moisture Density	
Gauge S/N	5651	Optimum Moisture Content	19 %	Gradient (b)	0.365	Gradient (d)	0.770
Mode	Direct Transmission	Particle Density (Determined)	2.6 Mg/m³	Intercept (a)	1.244	Intercept (c)	0.086
		Source sample reference	C1583/443				
				D=(BD x b)+a		M=(MD x d)+c	

Test Location	Probe Depth mm	Bulk Density Mg/m³	Moisture Density Mg/m³	Gauge Moisture %	Dry Density Mg/m³	Compaction %	Air Voids %
R8 Layer 3	200	1.94	0.40	26	1.54	95.0	0.9
R9 Layer 1	200	1.95	0.38	24	1.57	96.7	1.4
S8 Layer 12	200	1.94	0.39	25	1.55	95.6	1.6
S9 Layer 12	200	1.96	0.38	24	1.58	97.4	1.6
T8 Layer 12	200	1.94	0.39	25	1.55	95.7	1.2
T9 Layer 12	200	1.95	0.39	25	1.56	96.2	1.4
U8 Layer 3	200	1.94	0.40	26	1.54	95.0	0.8
R8 Layer 4	200	1.96	0.38	24	1.58	97.4	0.8
R9 Layer 2	200	1.95	0.39	25	1.55	95.8	0.8
S8 Layer 13	200	1.93	0.39	26	1.54	95.1	1.4
S9 Layer 13	200	1.95	0.39	25	1.56	96.5	1.3
T8 Layer 13	200	1.95	0.38	24	1.57	97.1	1.9
T9 Layer 13	200	1.95	0.39	25	1.56	96.5	0.9
U8 Layer 4	200	1.94	0.39	26	1.54	95.3	1.1
R8 Layer 5	200	1.95	0.40	26	1.55	95.9	0.5
R9 Layer 3	200	1.94	0.40	26	1.54	95.0	0.5
S8 Layer 14	200	1.95	0.38	24	1.57	97.2	1.6
S9 Layer 14	200	1.94	0.38	25	1.56	96.3	1.7
T8 Layer 14	200	1.95	0.37	24	1.58	97.5	1.8
T9 Layer 14	200	1.94	0.39	25	1.55	95.6	1.3
U8 Layer 5	200	1.94	0.40	26	1.54	95.1	0.7
R8 Layer 6	200	1.94	0.40	26	1.55	95.5	0.8
R9 Layer 4	200	1.96	0.37	24	1.58	97.7	1.7
S8 Layer 15	200	1.95	0.38	24	1.57	96.9	2.0
S9 Layer 15	200	1.94	0.40	26	1.55	95.4	0.8
T8 Layer 15	200	1.95	0.37	24	1.58	97.4	2.2
T9 Layer 15	200	1.94	0.39	25	1.55	95.5	1.4
U8 Layer 6	200	1.94	0.38	25	1.56	96.3	1.6
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Collins Earthworks Ltd
Whiteley Road
Ripley
Derbyshire
DE5 3QL



Dove Valley Park

Tel: 0345 2162900

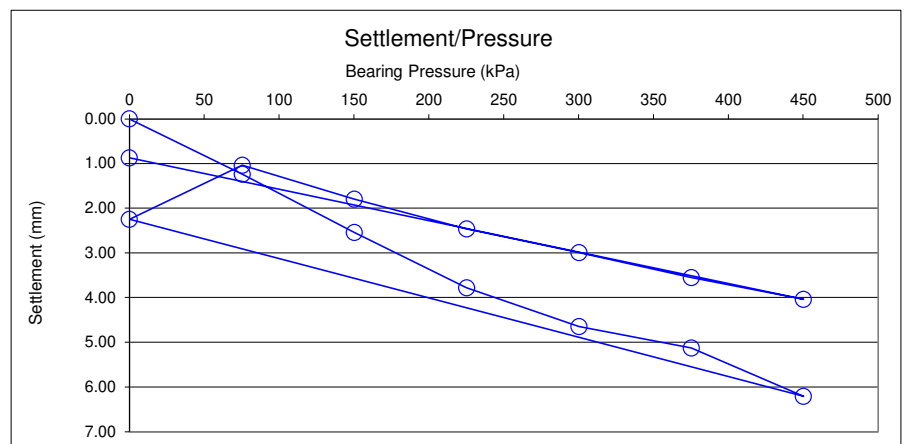
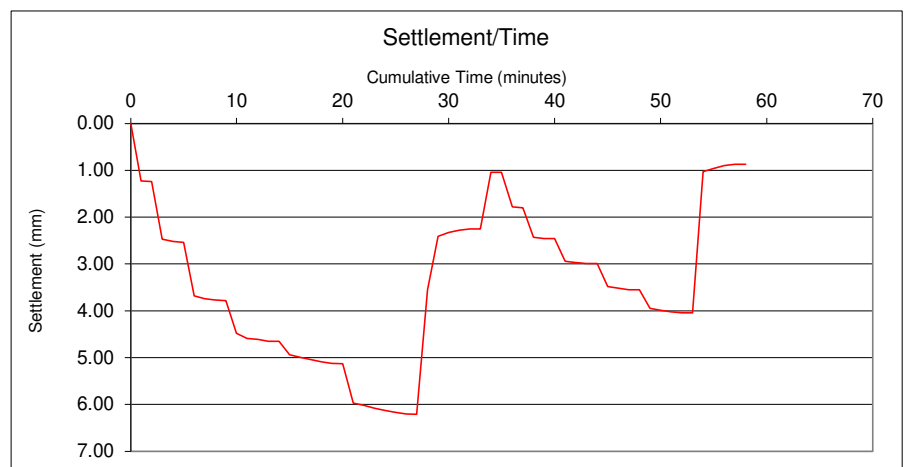
Email: ops@earthworkstesting.co.uk

Determination of Vertical Deformation - Plate Loading Test	Contract Test Reference: C1583/9A	REPORT NO: ETS/22431A
In accordance with ETL's In-house procedure based on HD 25/94 (replaced by IAN 73/06 Revision 1 :2009)	Clients Reference: C1583/9A	Report Date: 19/09/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	18/09/2025
Test Location:	A10 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	75.3	1.24
5.0	150.3	2.54
9.0	225.3	3.78
14.0	300.3	4.65
20.0	375.3	5.13
27.0	450.2	6.21
33.0	0.0	2.25
35.0	75.3	1.04
37.0	150.3	1.80
40.0	225.3	2.46
44.0	300.3	2.99
48.0	375.3	3.55
53.0	450.2	4.04
58.0	0.0	0.87



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)		29.5
Strain Modulus - Ev ₂ Value (MN/m ²)		72.25
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	Maximum Applied Pressure	450.2 kPa
Reaction Load	20T Roller	Maximum Settlement	6.21 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

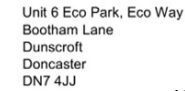
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference:

C1583/9B

REPORT NO:

ETS/22431B

Clients Reference:

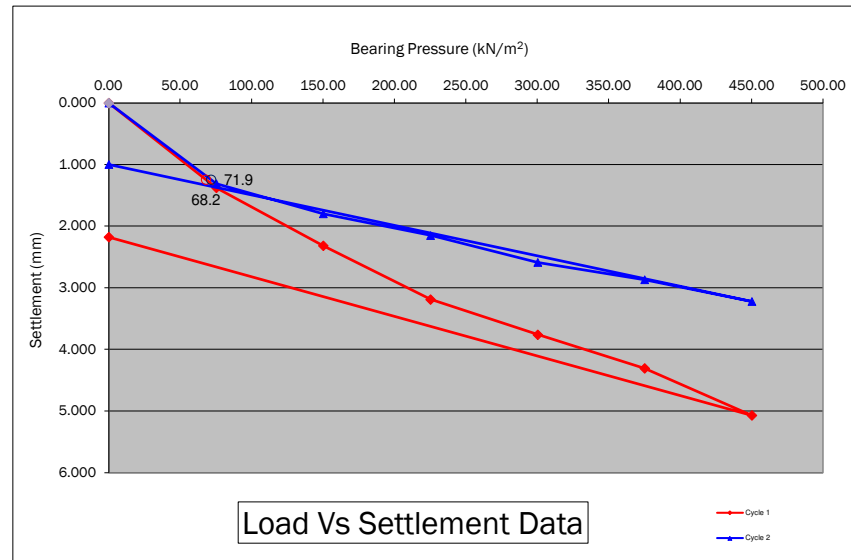
C1583/9B

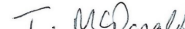
Report Date:

23/09/2025

TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	18/09/2025
Test Location:	C10 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

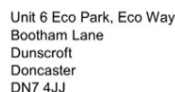
[illegible]

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	450.2	kN/m²			
Maximum Settlement	3.22	mm	Cycle 1	6.8	
Cycle 1 Values					
Bearing Pressure @ 1.25mm Settlement	68.2	kN/m²	Cycle 2	7.4	
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.		

**** End of report ****

CBR REPORT - Cycle 1 & 2

Dove Valley Park



Tel: 0345 2162900

Email: ops@earthworkstesting.co.uk

Contract Test Reference: C1583/9B

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

Clients Reference: C1583/9B

REPORT NO: ETS/22431B

Report Date: 23/09/2025

TEST REPORT

Cumulative Time (minutes)	Mean Bearing Pressure kPa	Average Settlement (mm)
0.0	0.0	0
2.0	75.3	1.38
5.0	150.3	2.32
9.0	225.3	3.19
13.0	300.3	3.76
18.0	375.3	4.31
23.0	450.2	5.07
28.0	0.0	2.18
30.0	75.3	1.31
32.0	150.3	1.80
35.0	225.3	2.15
39.0	300.3	2.59
43.0	375.3	2.87
48.0	450.2	3.22
53.0	0.0	1.00

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)		46.7
Strain Modulus - Ev ₂ Value (MN/m ²)		118.21
Ev ₂ /Ev ₁	2.53	

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

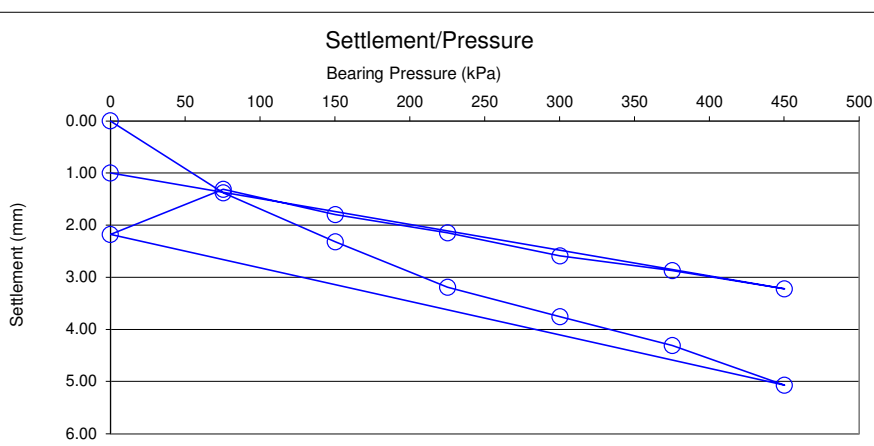
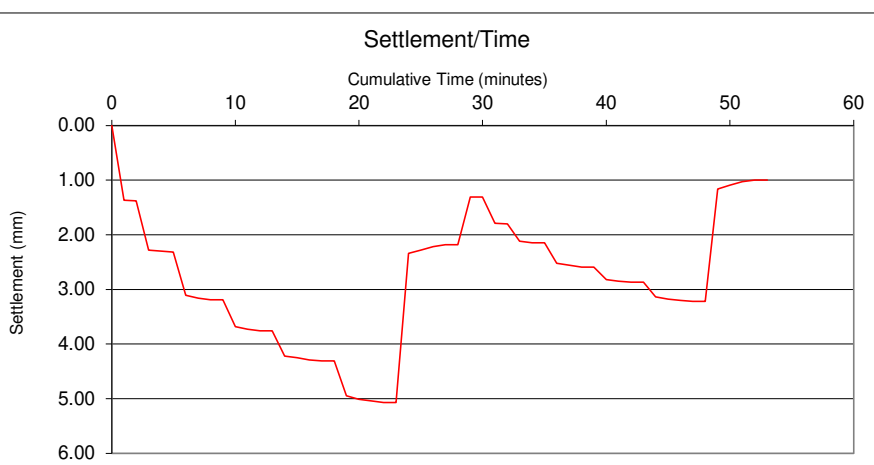


Plate Diameter	600 mm
Reaction Load	20T Roller
Depth of Test	Surface
Distance from edge of plate to wall of excavation (mm)	N/A

Maximum Applied Pressure	450.2 kPa
Maximum Settlement	5.07 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

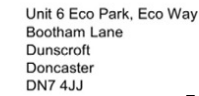
Earthworks Testing Ltd - Company No. 14251352

** End of report **

Page 1 of 1

EV2 Report

Dove Valley Park



Tel: 0345 2162900

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:

	C1583/10A
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C1583/10A

REPORT NO:

Report Date:

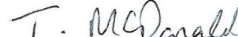
ETS/22451A

23/09/2025

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	19/09/2025
Test Location:	E10 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

The graph displays the relationship between Bearing Pressure (kN/m²) on the X-axis and Settlement (mm) on the Y-axis. The X-axis ranges from 0.00 to 90.00 kN/m², and the Y-axis ranges from 0.000 to 2.000 mm. A single data series, labeled 'Test Cycle', is plotted as a red line with diamond markers. The data points show a non-linear relationship, with settlement increasing as bearing pressure increases, and the rate of increase becoming steeper at higher pressures.

Bearing Pressure (kN/m²)	Settlement (mm)
0.00	0.000
18.00	0.300
30.00	0.620
45.00	0.850
58.00	1.050
60.4	1.250
68.00	1.450
78.00	1.800

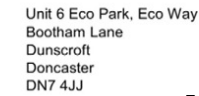
Depth of Test	Surface		Plate Diameter	600mm	Authorised Signatory 
Distance from edge of plate to wall of excavation	N/A	mm	Moisture Content*	Not Taken	
Reaction Load	20T Roller		*Carried out in accordance with BS1377: Part 2: 1990.		
Plate Correction Factor	0.80		Equivalent CBR Value (%) 5.5		
Maximum Applied Pressure	76.6	kN/m²			
Maximum Settlement	1.78	mm			
Test Cycle Values					
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.		

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:

	C1583/10B
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REPORT NO:	
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ETS/22451B

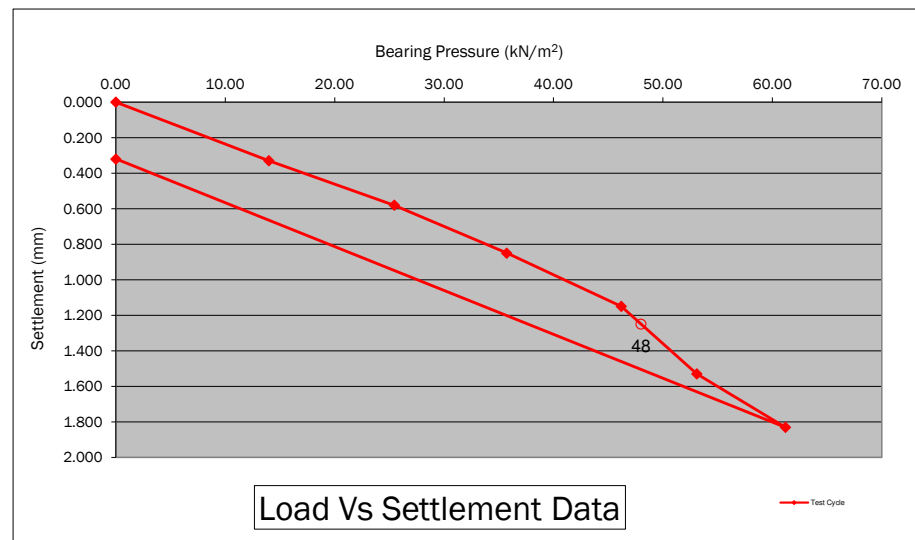
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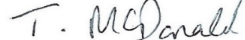
C1583/10B

Report Date:

23/09/2025

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	19/09/2025
Test Location:	Y4 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	61.2	kN/m²			
Maximum Settlement	1.83	mm	3.7		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	48.0	kN/m²			
Modulus of Subgrade Reaction K762	30.9	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



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:

	C1583/10C
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REPORT NO:

ETS/22451C

Clients Reference:

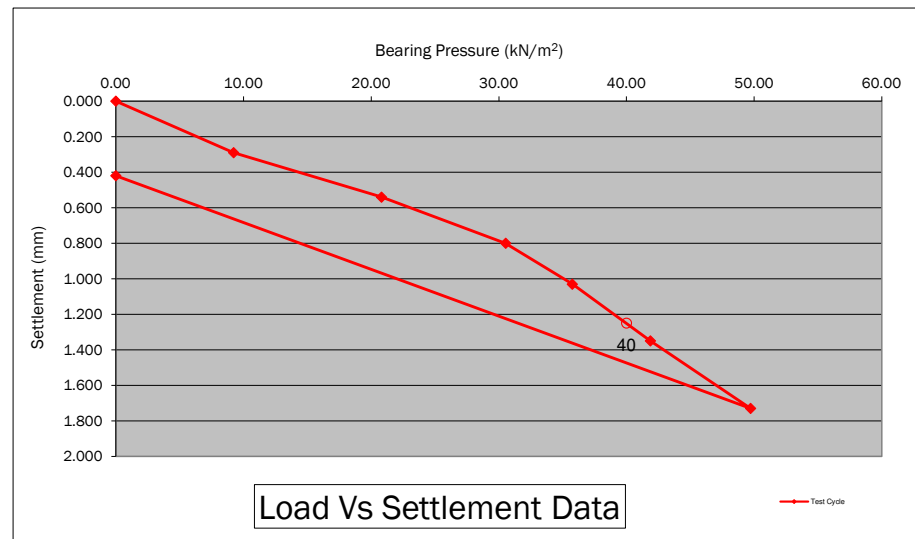
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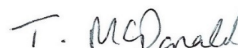
Report Date:

23/09/2025

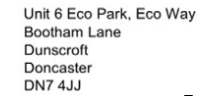
TEST REPORT

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	19/09/2025
Test Location:	AA4 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:

	C1583/10D
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REPORT NO:

ETS/22451D

Clients Reference:

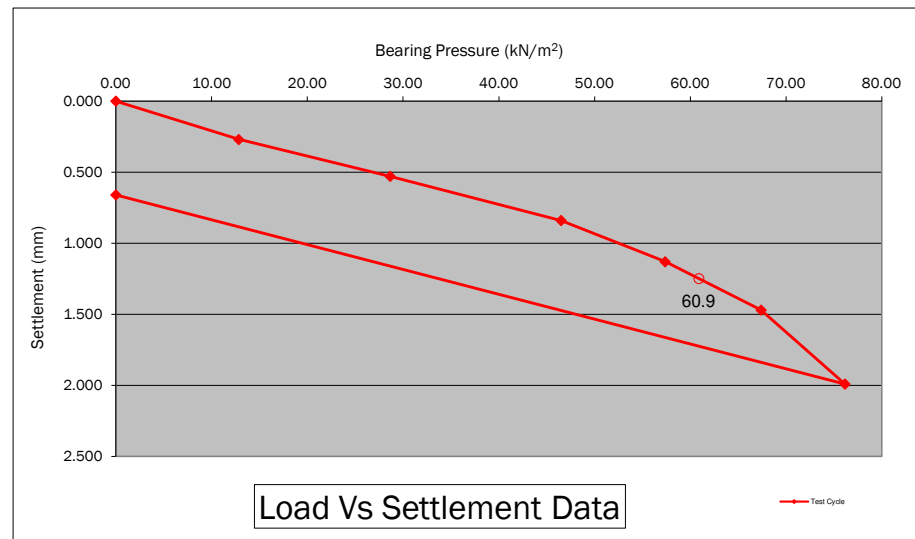
C1583/10D

Report Date:

23/09/2025

Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	19/09/2025
Test Location:	Y6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
Bearing Pressure (See Notes below)	Settlement
<i>kN/m²</i>	<i>mm</i>
12.84	0.27
28.65	0.53
46.51	0.84
57.37	1.13
67.38	1.47
76.15	1.99
0.00	0.66
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 (%) <		

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:

	C1583/10E
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Clients Reference:

C1583/10E

REPORT NO:

ETS/22451E

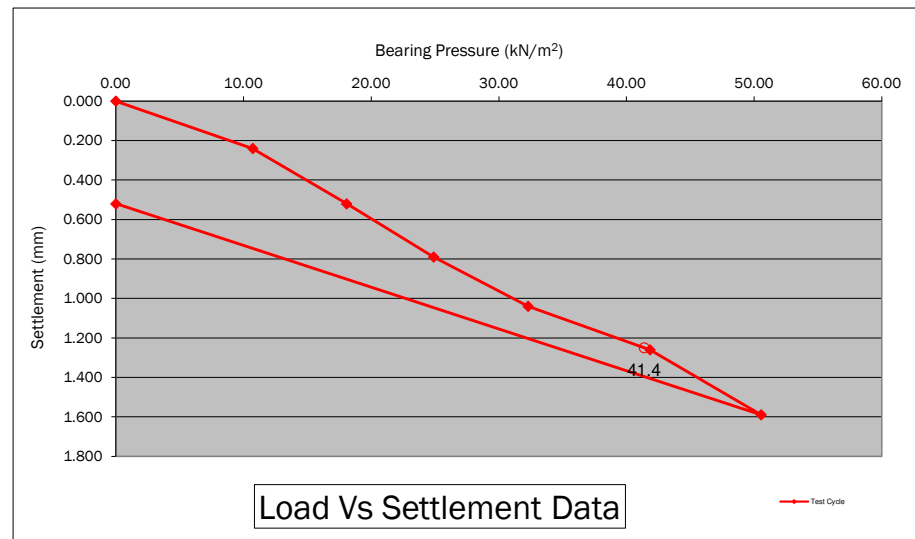
Report Date:

23/09/2025

TEST REPORT

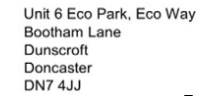
Material Description:	Brown Sandy Clay W/F-M Gravel	Date Tested:	19/09/2025
Test Location:	AA6 Sub Formation	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
10.72	0.24
18.07	0.52
24.90	0.79
32.29	1.04
41.84	1.26
50.54	1.59
0.00	0.52
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 (%) 		

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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:

C1583/15A

Clients Reference:

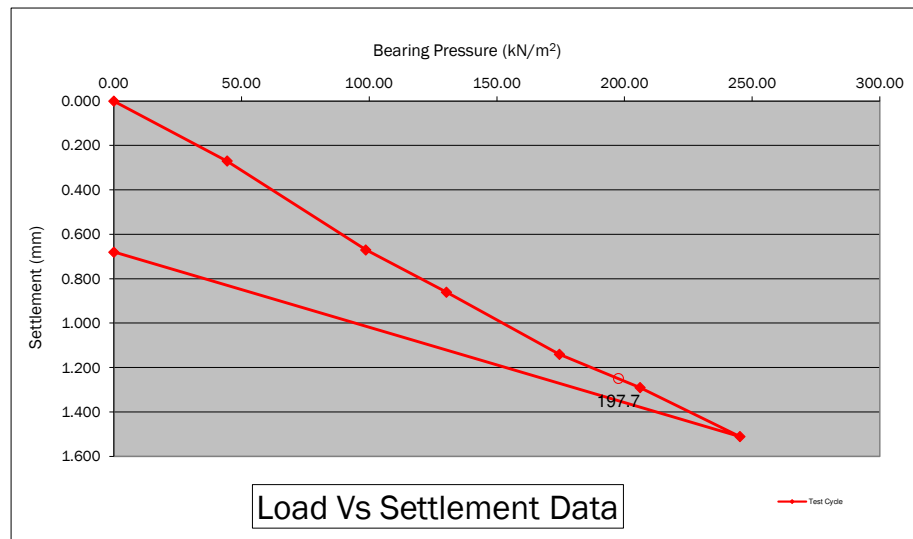
C1583/15A

REPORT NO:	ETS/22580A
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Report Date:	26/09/2025
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Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	AA8 Sub Formation (52°53'04"N 1°41'34"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
Bearing Pressure (See Notes below)	Settlement
kN/m ²	mm
44.32	0.27
98.61	0.67
130.19	0.86
174.47	1.14
206.12	1.29
245.13	1.51
0.00	0.68
Recovery %	55



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 (%) 42.8		
Maximum Applied Pressure	245.1	kN/m²			
Maximum Settlement	1.51	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	197.7	kN/m²			
Modulus of Subgrade Reaction K762	127.2	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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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:

C1583/15B

Clients Reference:

C1583/15B

REPORT NO:

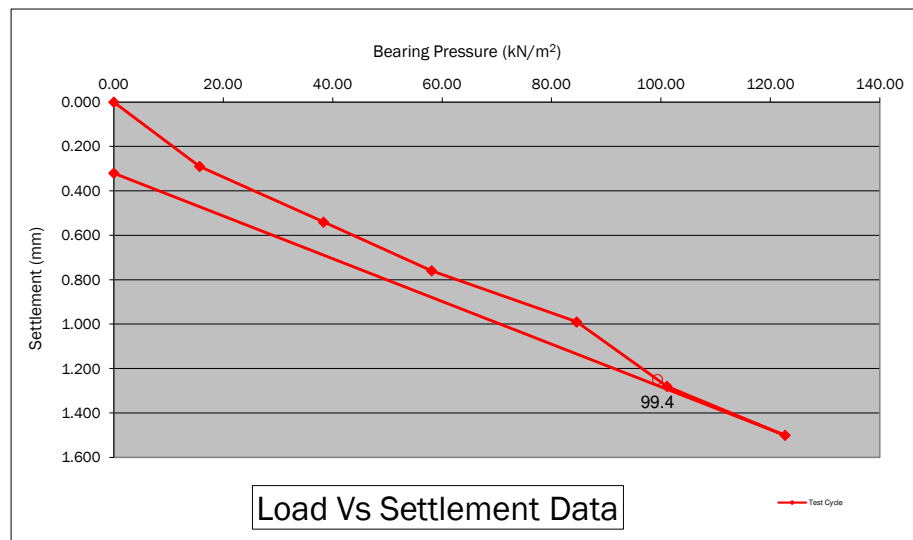
ETS/22580B

Report Date:

26/09/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	Y8 Sub Formation (52° 53'03"N 1° 41'33"W)	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	122.7	kN/m²			
Maximum Settlement	1.5	mm			
Test Cycle Values			13.0		
Bearing Pressure @ 1.25mm Settlement	99.4	kN/m²			
Modulus of Subgrade Reaction K762	64.0	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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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:

	C1583/15C
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Clients Reference:

C1583/15C

REPORT NO:

ETS/22580C

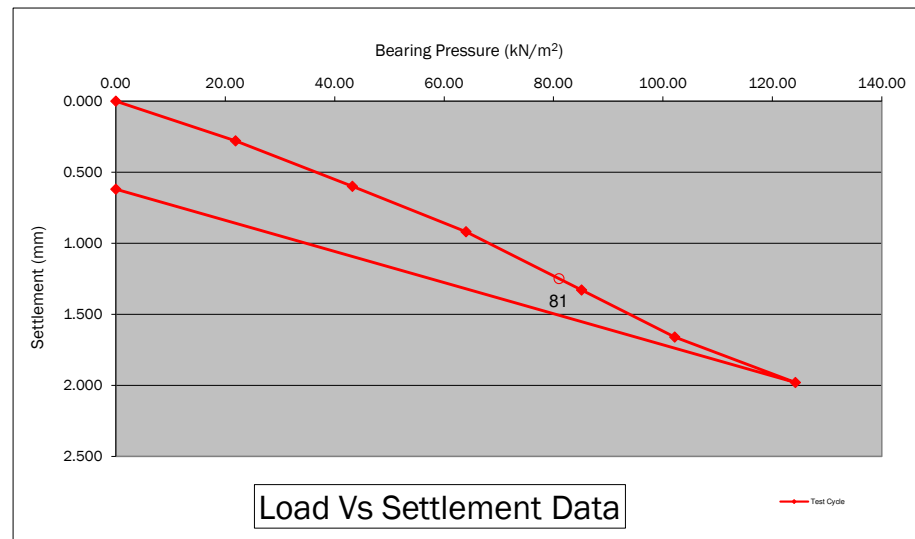
Report Date:

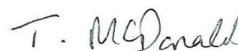
26/09/2025

TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	Y10 Sub Formation (52° 53'05"N 1° 41'30"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
Bearing Pressure (See Notes below)	Settlement
kN/m^2	mm
21.89	0.28
43.22	0.60
64.02	0.92
85.09	1.33
102.14	1.66
124.18	1.98
0.00	0.62
Recovery %	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 (%) <		

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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:

	C1583/15D
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Clients Reference:

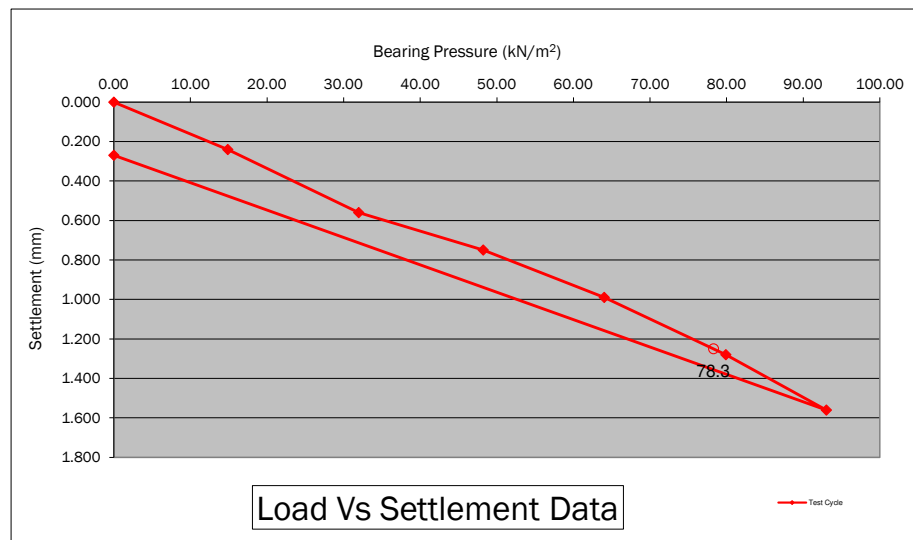
C1583/15D

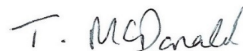
REPORT NO:	ETS/22580D
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Report Date:	26/09/2025
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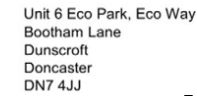
TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	G10 Sub Formation (52°53'17"N 1°41'21"W)	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 (%) <		

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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:

C1583/15E

Clients Reference:

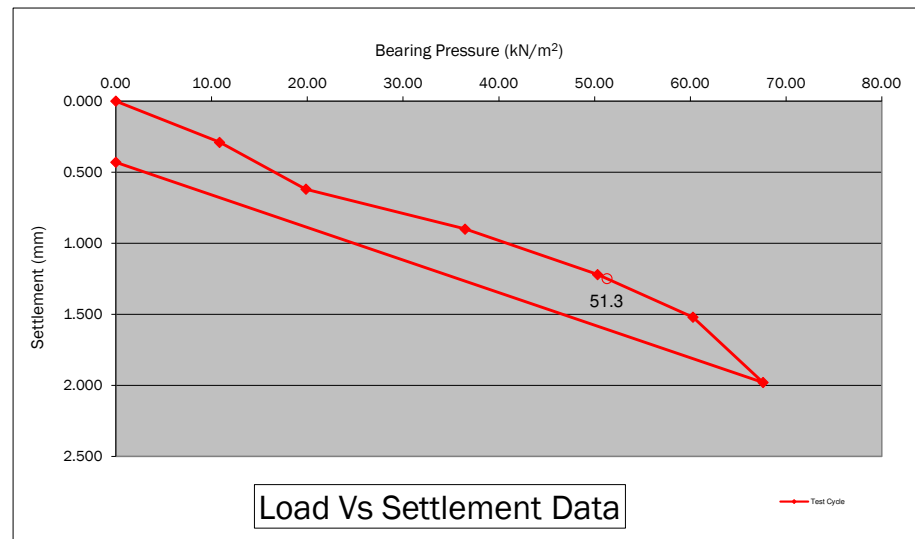
C1583/15E

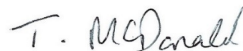
REPORT NO:	ETS/22580E
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Report Date:	26/09/2025
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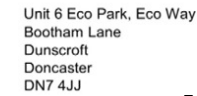
Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	J10 Sub Formation (52° 53'15"N 1° 41'23"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
10.82	0.29
19.84	0.62
36.46	0.90
50.29	1.22
60.27	1.52
67.59	1.98
0.00	0.43
Recovery %	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 (%) 4.1		
Maximum Applied Pressure	67.6	kN/m²			
Maximum Settlement	1.98	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	51.3	kN/m²			
Modulus of Subgrade Reaction K762	33.0	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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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:

	C1583/15F
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Clients Reference:

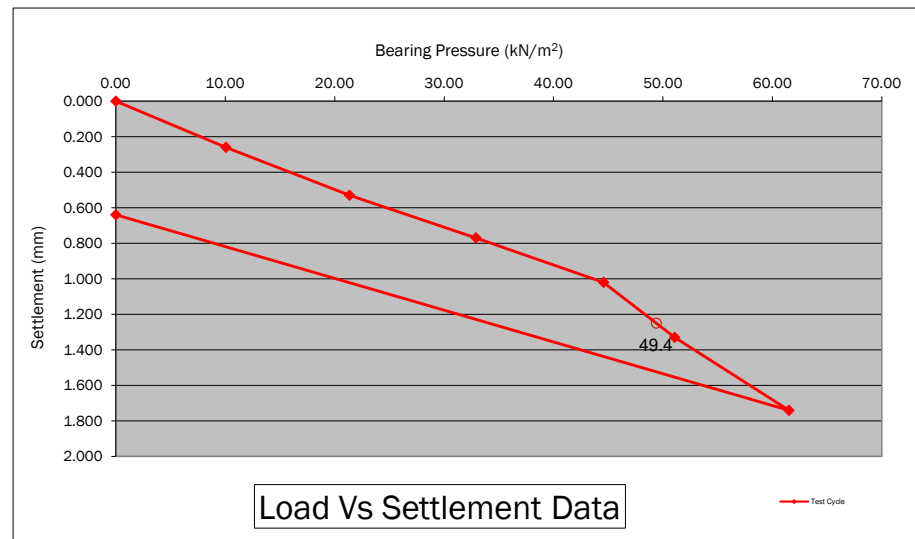
C1583/15F

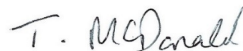
REPORT NO:	ETS/22580F
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Report Date:	26/09/2025
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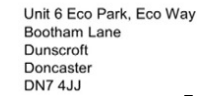
Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	L10 Sub Formation (52° 53'13"N 1° 41'24"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
kN/m ²	mm
10.04	0.26
21.36	0.53
32.89	0.77
44.56	1.02
51.07	1.33
61.50	1.74
0.00	0.64
Recovery %	63



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 (%) 3.9		
Maximum Applied Pressure	61.5	kN/m²			
Maximum Settlement	1.74	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	49.4	kN/m²			
Modulus of Subgrade Reaction K762	31.8	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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Contract Test Reference:

	C1583/15G
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REPORT NO:	
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ETS/22580G

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Clients Reference:**C1583/15G**

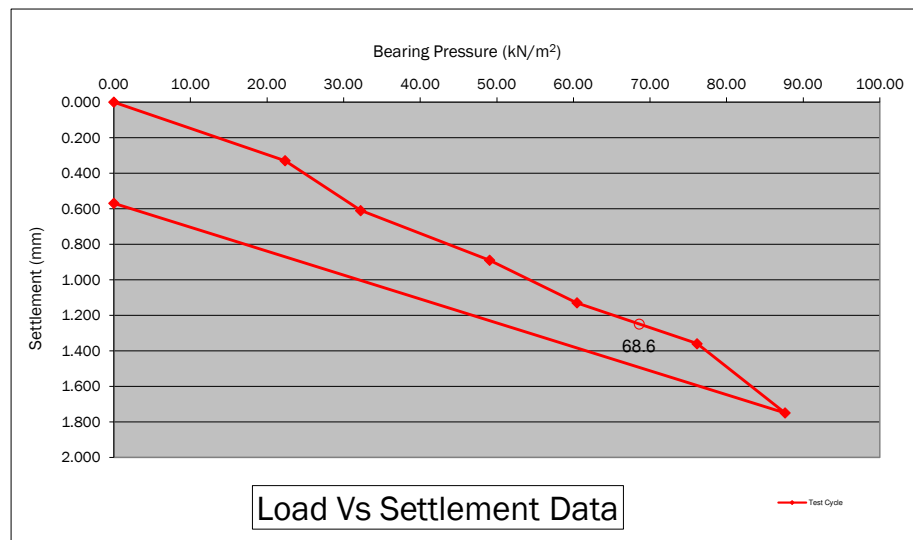
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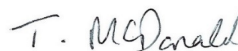
26/09/2025

TEST REPORT

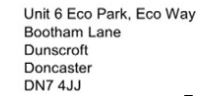
Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	Z11 Sub Formation (52°53'04"N 1°41'30"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

Test Cycle	
<i>Bearing Pressure (See Notes below)</i>	<i>Settlement</i>
<i>kN/m²</i>	<i>mm</i>
22.35	0.33
32.22	0.61
49.06	0.89
60.44	1.13
76.15	1.36
87.61	1.75
0.00	0.57
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 (%) 		

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:

	C1583/15H
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Clients Reference:

C1583/15H

REPORT NO:

ETS/22580H

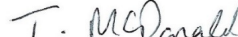
Report Date:

26/09/2025

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	23/09/2025
Test Location:	AA10 Sub Formation (52° 53'03"N 1° 41'31"W)	Supplier/Source:	Ex-Site
Weather	Overcast		

The graph displays two test cycles of load versus settlement. The top x-axis represents Bearing Pressure in kN/m^2 , ranging from 0.00 to 140.00. The y-axis represents Settlement in mm, ranging from 0.000 at the top to 2.000 at the bottom. Two red lines with diamond markers show the data for two separate test cycles. The first cycle starts at (0, 0) and ends at approximately (120, 1.85). The second cycle starts at (0, 0.55) and ends at approximately (120, 1.85). A point on the second cycle is labeled '83'.

Bearing Pressure (kN/m^2)	Settlement (mm) - Cycle 1	Settlement (mm) - Cycle 2
0.00	0.000	0.550
15.00	0.220	-
30.00	0.580	-
55.00	0.850	-
80.00	1.150	-
83.00	-	1.250
100.00	-	1.500
120.00	1.850	1.850

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	119.0	kN/m²			
Maximum Settlement	1.9	mm	9.5		
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	83.0	kN/m²			
Modulus of Subgrade Reaction K762	53.4	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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**** End of report ****

Page 1 of 1

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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:

C1583/18A

Clients Reference:

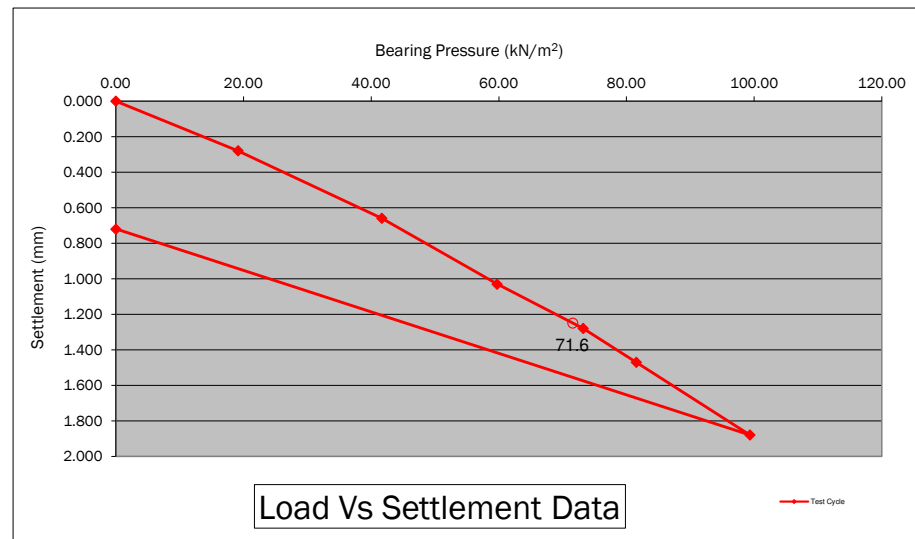
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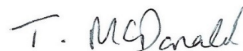
REPORT NO:	ETS/22711A
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Report Date:	01/10/2025
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TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	W10 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 (%) 7.4		
Maximum Applied Pressure	99.3	kN/m²			
Maximum Settlement	1.88	mm			
Test Cycle Values					
Bearing Pressure @ 1.25mm Settlement	71.6	kN/m²			
Modulus of Subgrade Reaction K762	46.1	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.		

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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:

	C1583/18B
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Clients Reference:

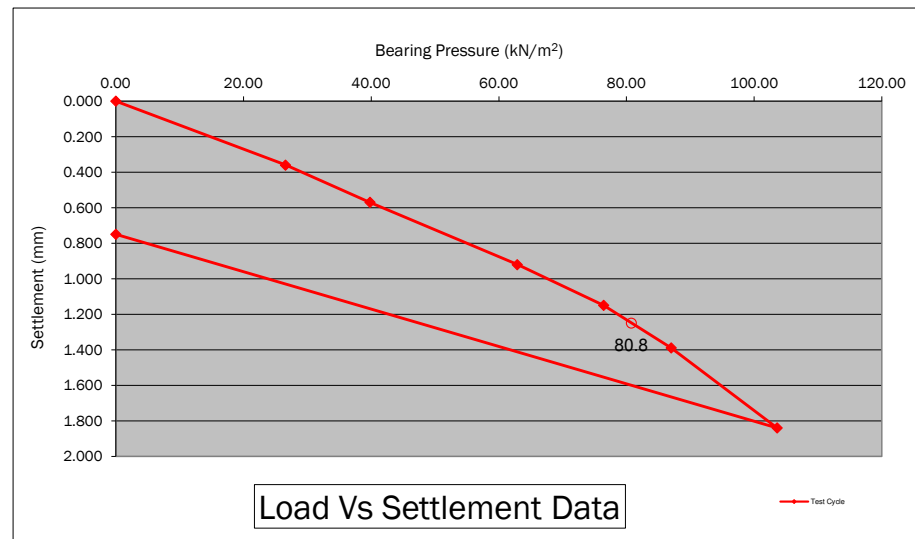
C1583/18B

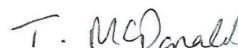
REPORT NO:	ETS/22711B
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Report Date:	01/10/2025
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TEST REPORT

Material Description:	Brown Very Sandy Clay W/F-M Gravel	Date Tested:	24/09/2025
Test Location:	U10 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 (%) 9.1		
Maximum Applied Pressure	103.6	kN/m²			
Maximum Settlement	1.84	mm			
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.		