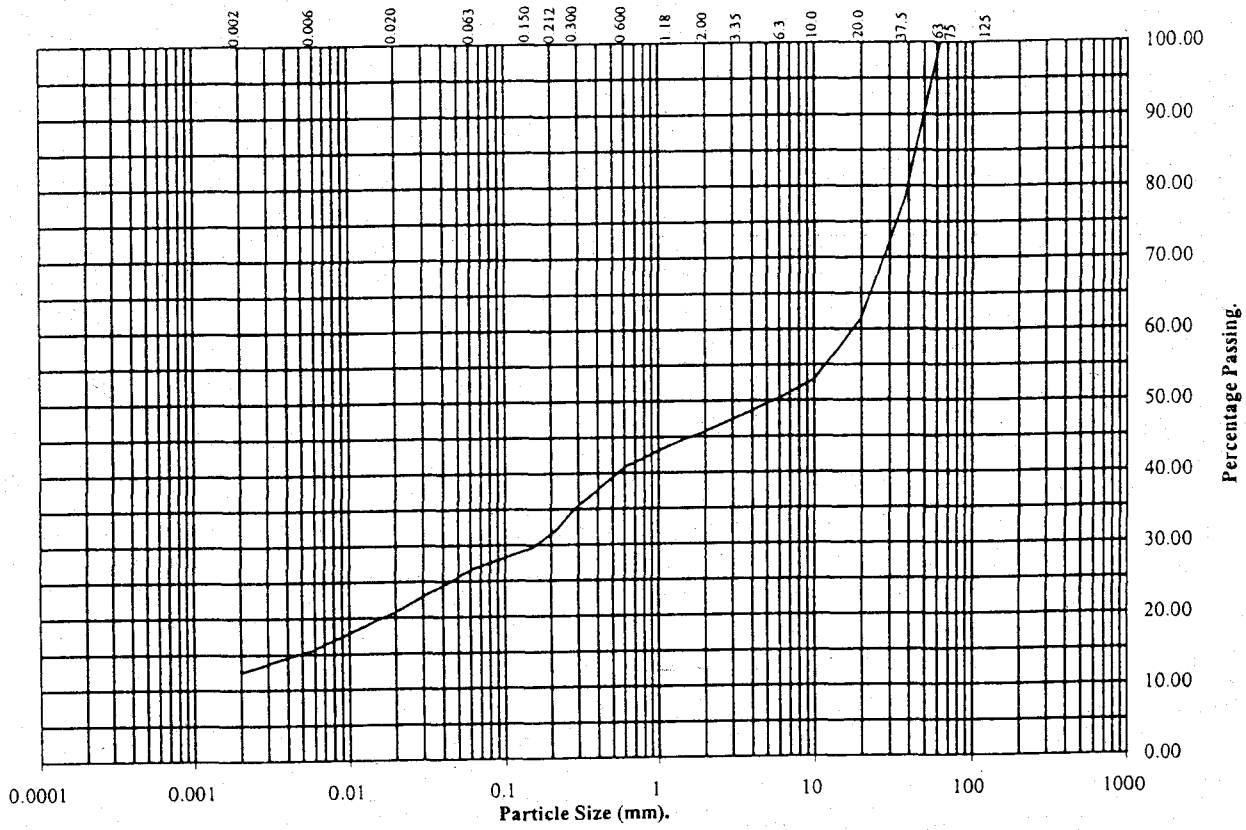
PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 79 **Depth (m):** 0.90



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	78
20	62
10	53
6.3	51
3.35	48
2	46
1.18	44
0.6	41
0.3	36
0.212	32
0.15	30
0.063	27

Particle Diameter	Percentage Passing
0.02	21
0.006	16
0.002	13

Soil Fraction	Total Percentage
Cobbles	0
Gravel	54
Sand	19
Silt	14
Clay	13

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
[signature]	25/9/01	[signature]	25/9/01

THYSSEN GEOTECHNICAL

BICESTER

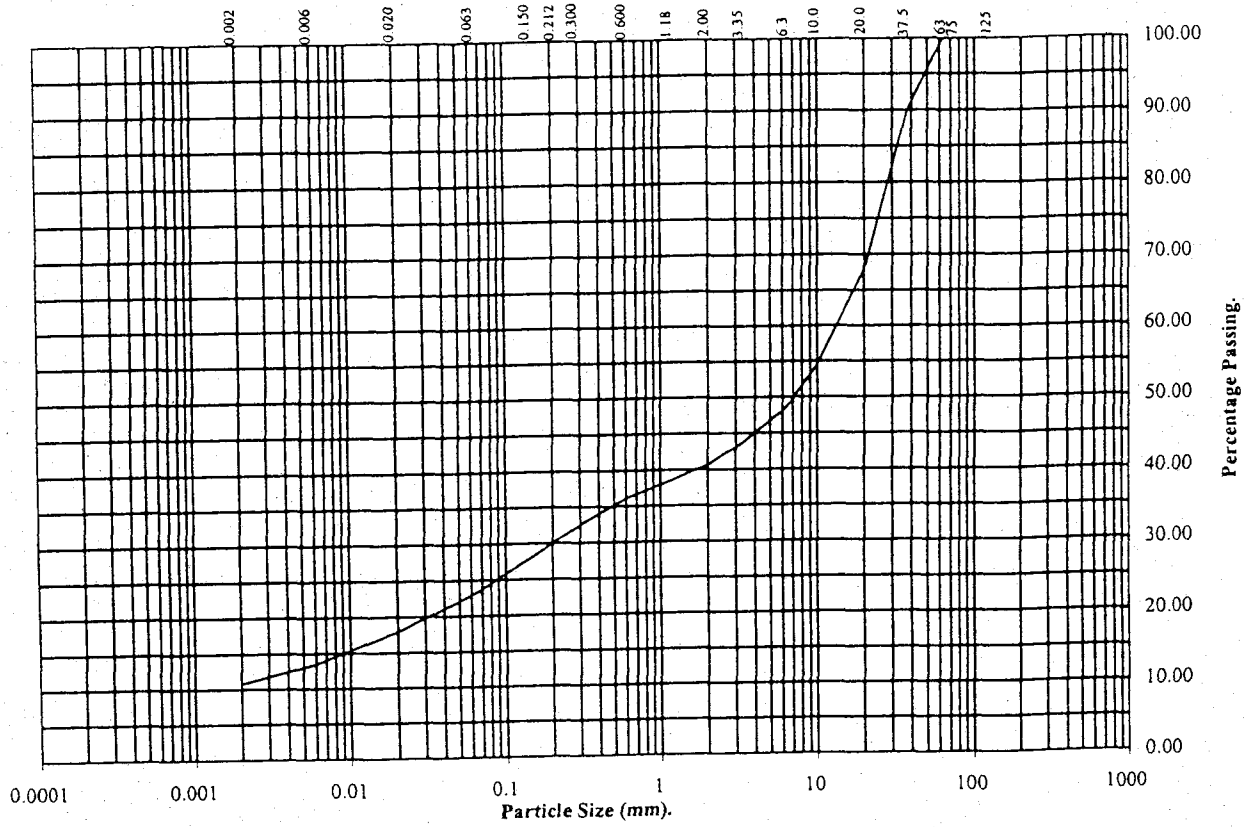
Contract No.: NL211004

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 79A **Depth (m):** 0.40



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	90
20	68
10	55
6.3	48
3.35	44
2	41
1.18	39
0.6	36
0.3	33
0.212	30
0.15	28
0.063	23

Particle Diameter	Percentage Passing
0.02	18
0.006	14
0.002	11

Soil Fraction	Total Percentage
Cobbles	0
Gravel	59
Sand	18
Silt	12
Clay	11

Remarks:
See summary of soil descriptions.

Checked By	Date	Approved By	Date
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THYSSEN GEOTECHNICAL

BICESTER

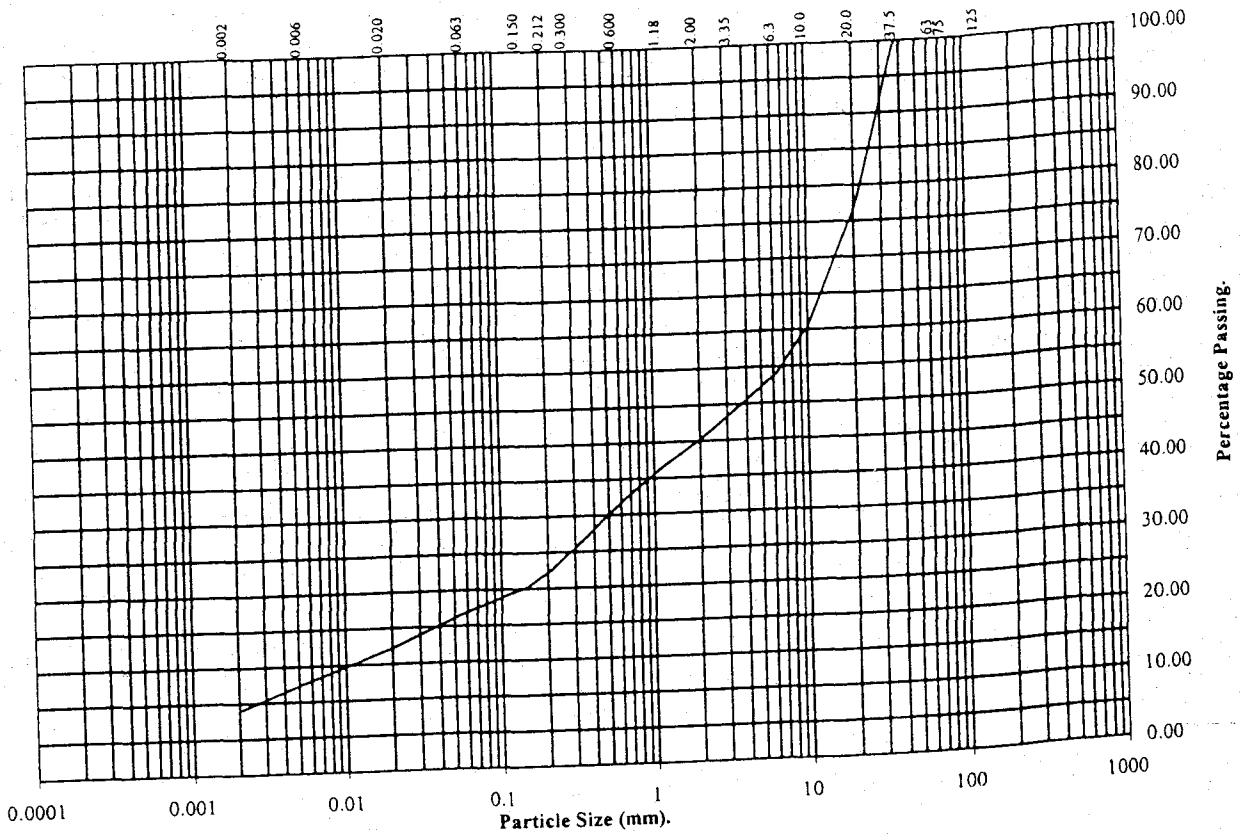
Contract No.: NL211004

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 79B **Depth (m):** 0.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	77
10	60
6.3	54
3.35	49
2	45
1.18	42
0.6	37
0.3	31
0.212	28
0.15	25
0.063	22

Particle Diameter	Percentage Passing
0.02	17
0.006	13
0.002	9

Soil Fraction	Total Percentage
Cobbles	0
Gravel	55
Sand	23
Silt	13
Clay	9

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

Contract No.: NL211004

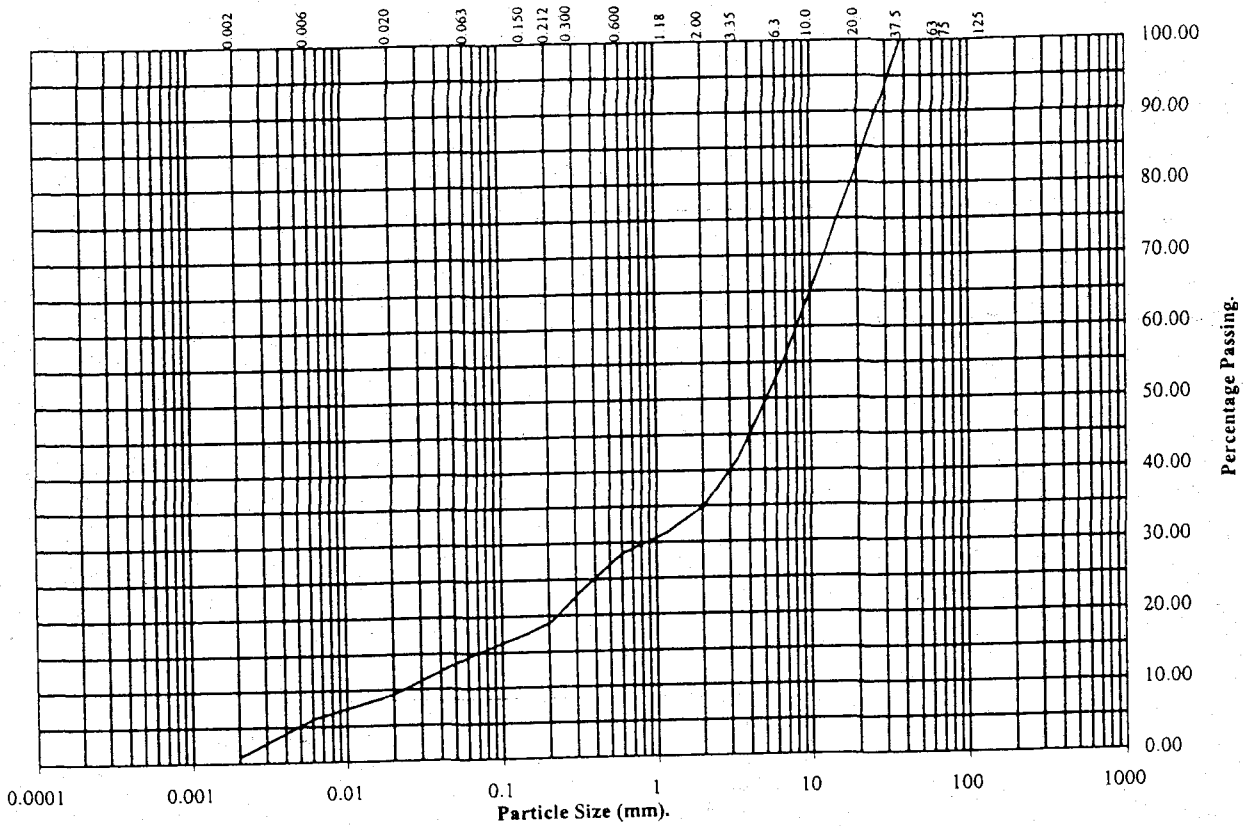
South Kirkby, WF9 3AP

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 82 **Depth (m):** 0.60



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	82
10	65
6.3	54
3.35	42
2	35
1.18	31
0.6	28
0.3	23
0.212	19
0.15	18
0.063	15

Particle Diameter	Percentage Passing
0.02	9
0.006	6
0.002	1

Soil Fraction	Total Percentage
Cobbles	0
Gravel	65
Sand	20
Silt	14
Clay	1

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

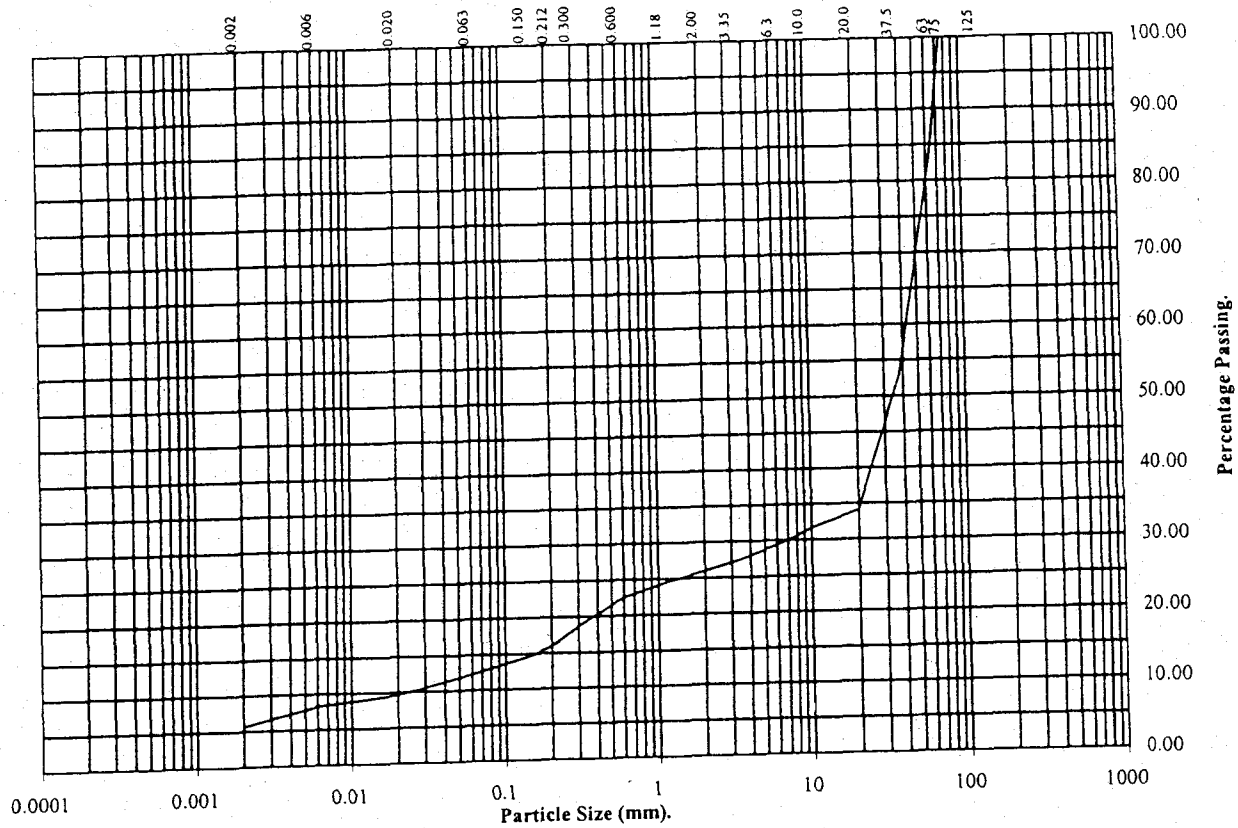
Contract No.: NL211004

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 83 **Depth (m):** 0.80



BS Test Sieve	Percentage Passing
125	100
75	100
63	83
37.5	53
20	34
10	32
6.3	30
3.35	27
2	26
1.18	25
0.6	23
0.3	19
0.212	16
0.15	15
0.063	12

Particle Diameter	Percentage Passing
0.02	10
0.006	8
0.002	6

Soil Fraction	Total Percentage
Cobbles	17
Gravel	57
Sand	14
Silt	6
Clay	6

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

Contract No.: NL211004

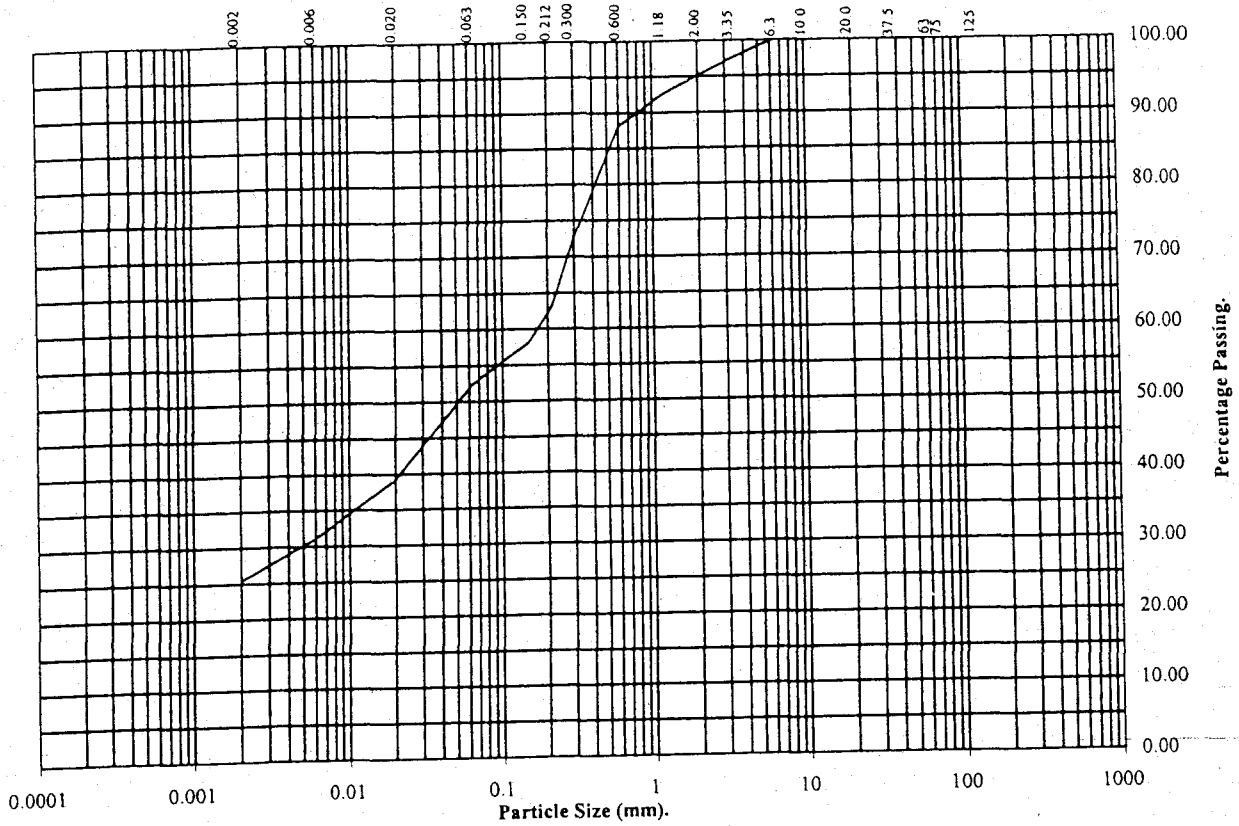
South Kirkby, WF9 3AP

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 84 **Depth (m):** 1.00



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	100
6.3	100
3.35	97
2	95
1.18	93
0.6	88
0.3	73
0.212	63
0.15	58
0.063	52

Particle Diameter	Percentage Passing
0.02	39
0.006	31
0.002	25

Soil Fraction	Total Percentage
Cobbles	0
Gravel	5
Sand	43
Silt	27
Clay	25

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

Contract No.: NL211004

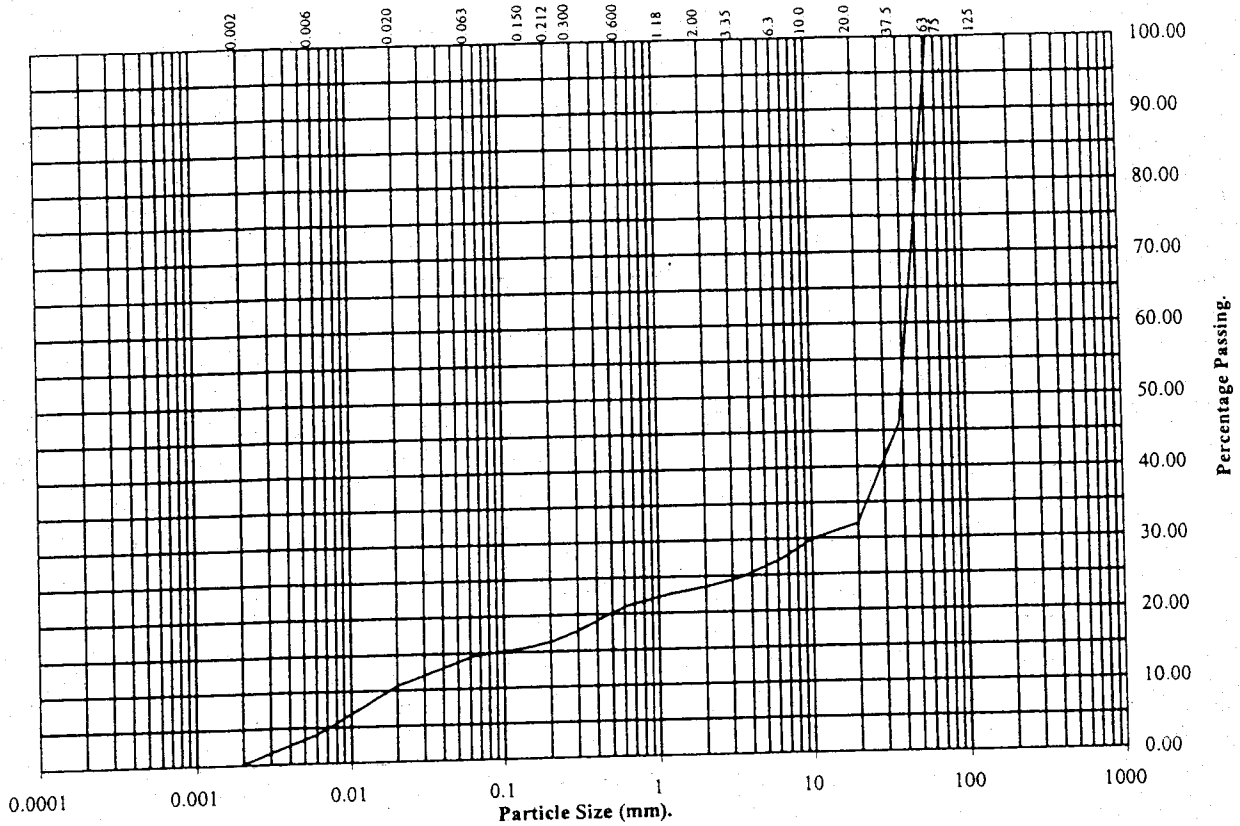
South Kirkby, WF9 3AP

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 84 **Depth (m):** 1.50



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	46
20	32
10	30
6.3	27
3.35	25
2	24
1.18	23
0.6	21
0.3	18
0.212	16
0.15	16
0.063	15

Particle Diameter	Percentage Passing
0.02	11
0.006	4
0.002	0

Soil Fraction	Total Percentage
Cobbles	0
Gravel	76
Sand	9
Silt	15
Clay	0

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

Contract No.:
NL211004

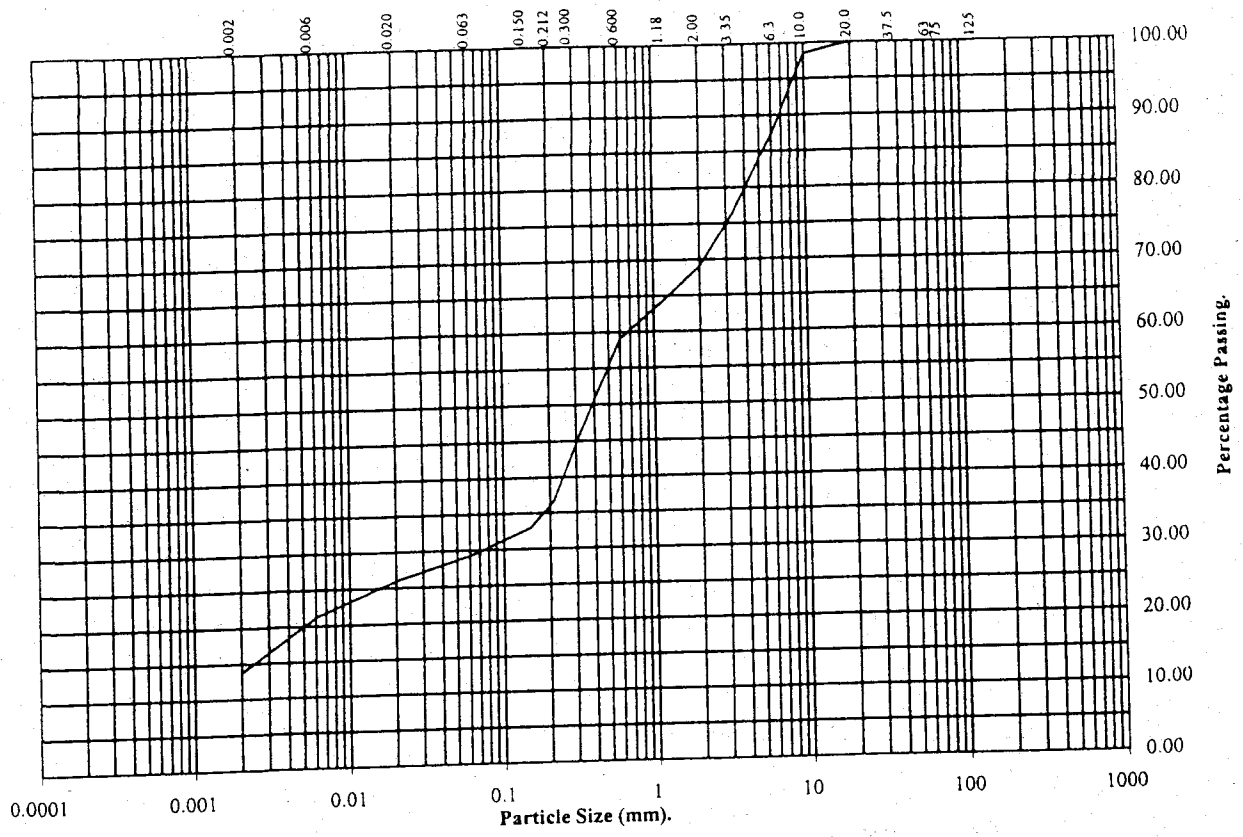
South Kirkby, WF9 3AP

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 89 **Depth (m):** 0.90



BS Test Sieve	Percentage Passing
125	100
75	100
63	100
37.5	100
20	100
10	98
6.3	88
3.35	76
2	69
1.18	65
0.6	59
0.3	45
0.212	37
0.15	33
0.063	29

Particle Diameter	Percentage Passing
0.02	26
0.006	21
0.002	14

Soil Fraction	Total Percentage
Cobbles	0
Gravel	31
Sand	40
Silt	15
Clay	14

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

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Contract No.: NL211004

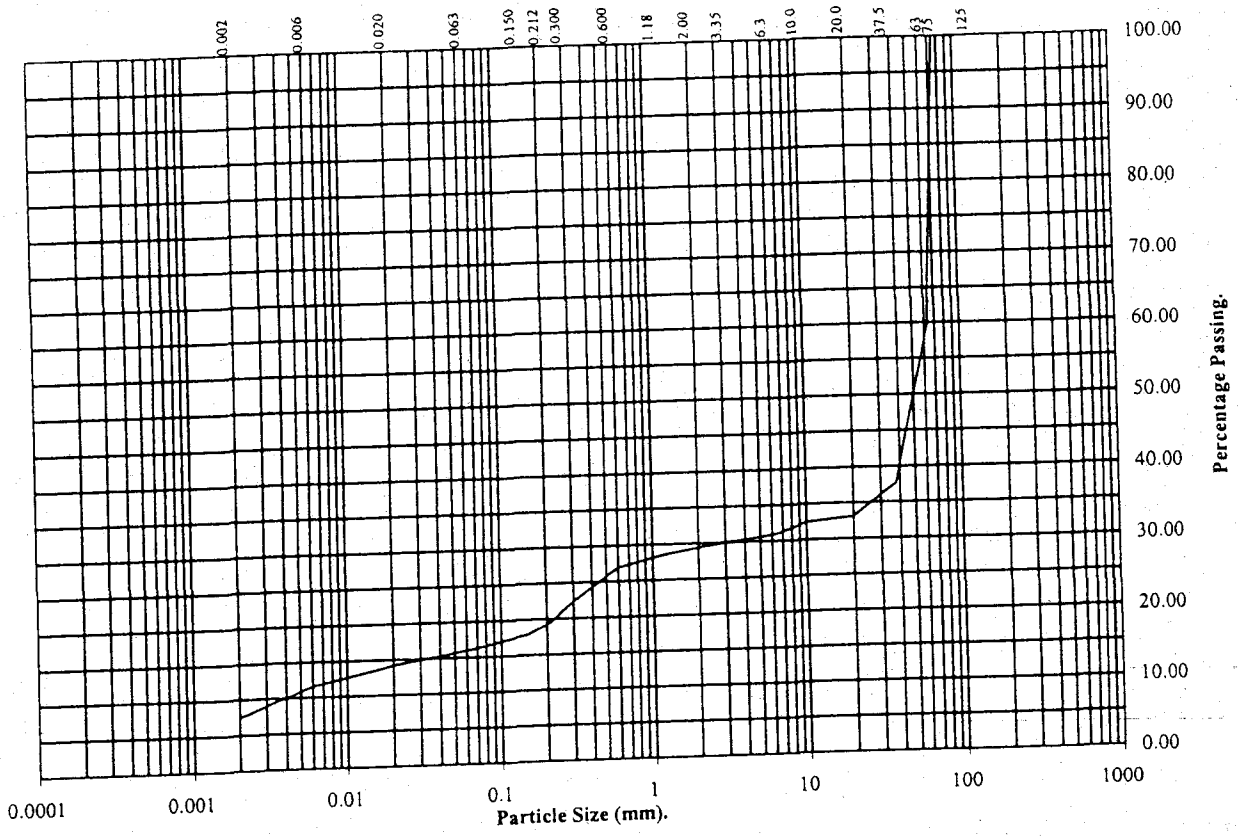
South Kirkby, WF9 3AP

PARTICLE SIZE DISTRIBUTION TEST

BS1377:Part 2:1990.

Wet sieve and Pipette Analysis: Clause 9.2 9.4

Trial Pit /Sample Number: 89A **Depth (m):** 0.80



BS Test Sieve	Percentage Passing
125	100
75	100
63	60
37.5	38
20	33
10	32
6.3	31
3.35	30
2	29
1.18	29
0.6	27
0.3	22
0.212	19
0.15	18
0.063	16

Particle Diameter	Percentage Passing
0.02	14
0.006	12
0.002	7

Soil Fraction	Total Percentage
Cobbles	40
Gravel	31
Sand	13
Silt	9
Clay	7

Remarks:
See summary of soil descriptions.

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THYSSEN GEOTECHNICAL

BICESTER

Contract No.: NL211004

South Kirkby, WF9 3AP

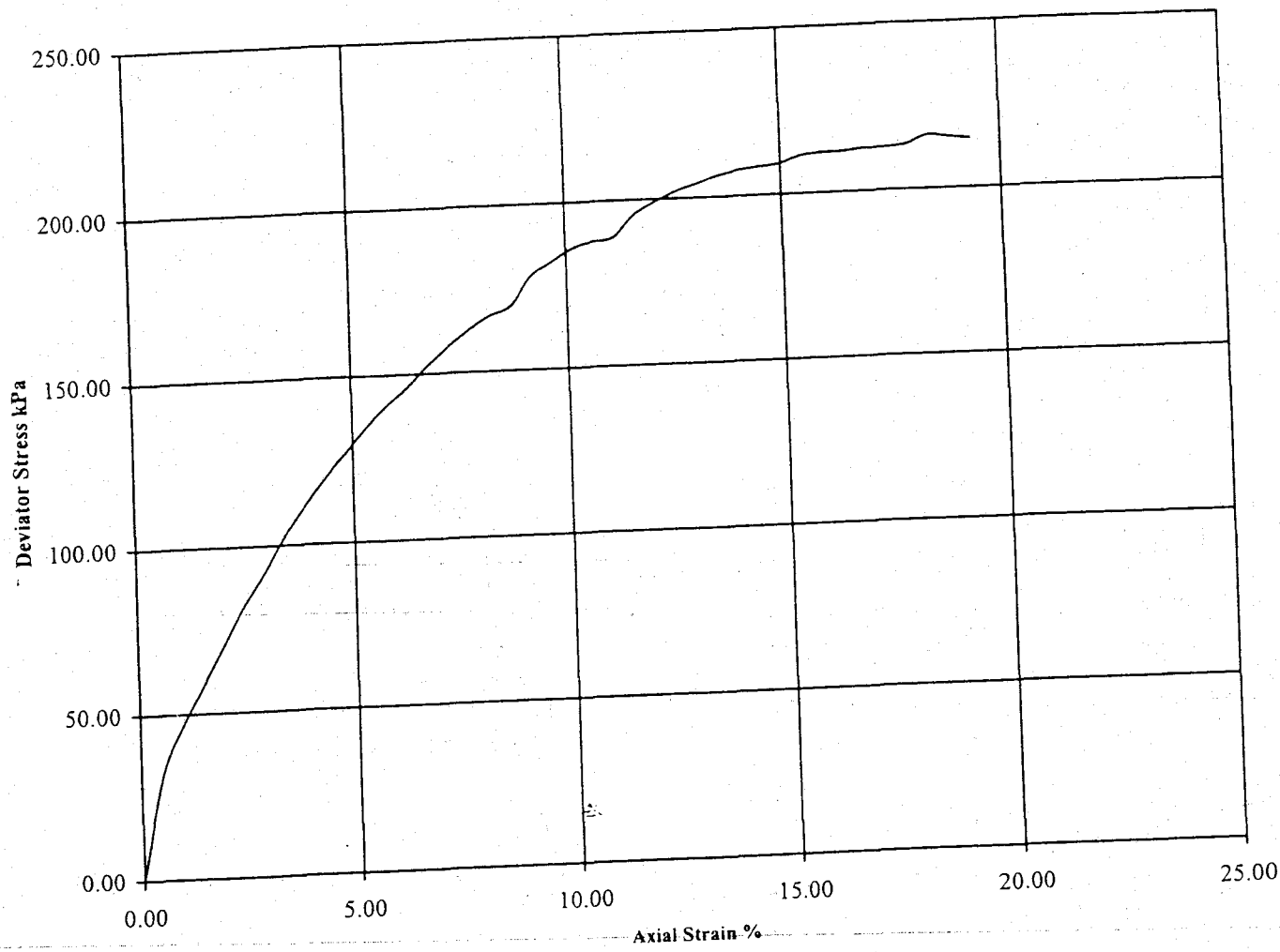
Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Borehole / Sample Number: 1

Depth (m): 2.00



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	15	2.29	1.99	25	169	85	8.7	Plastic.	See summary of soil descriptions.
				50	189	94	11.1		
				100	216	108	18.4		

Checked	Date	Approved	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

Contract No:
NL211004

South Kirkby, WF9 3AP

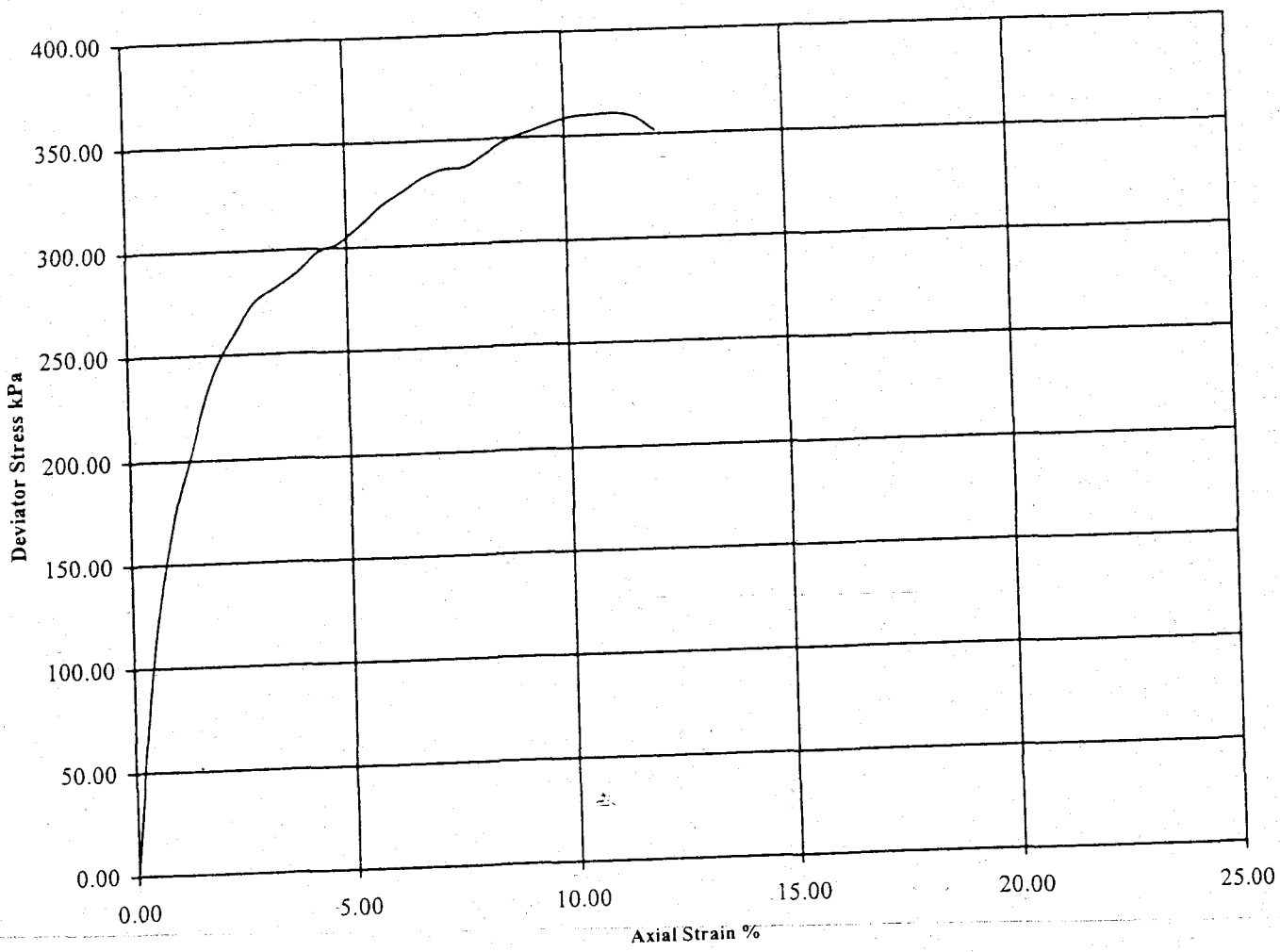
Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Borehole / Sample Number: 4

Depth (m): 3.00



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	21	2.07	1.71	25	302	151	4.8	Brittle	See summary of soil descriptions.
				50	337	168	7.7		
				100	360	180	11.1		

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THYSSEN GEOTECHNICAL

BICESTER.

Contract No: NL211004

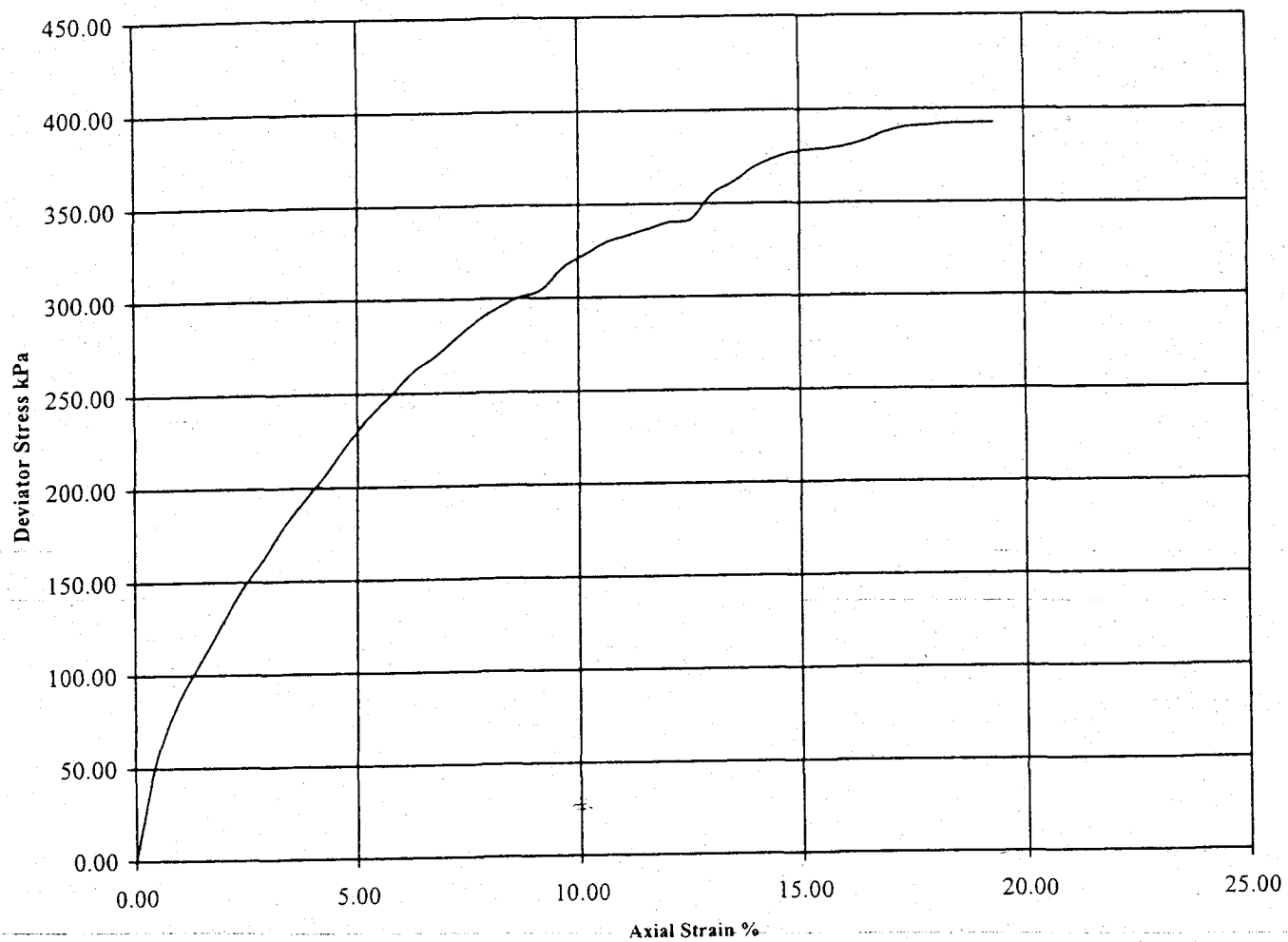
South Kirkby, WF9 3AP

Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Borehole / Sample Number: 6 Depth (m): 2.00



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	19	2.10	1.77	25	305	152	9.2	Plastic	See summary of soil descriptions.
				50	342	171	12.6		
				100	392	196	19.3		

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THYSSEN GEOTECHNICAL

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Contract No: NL211004

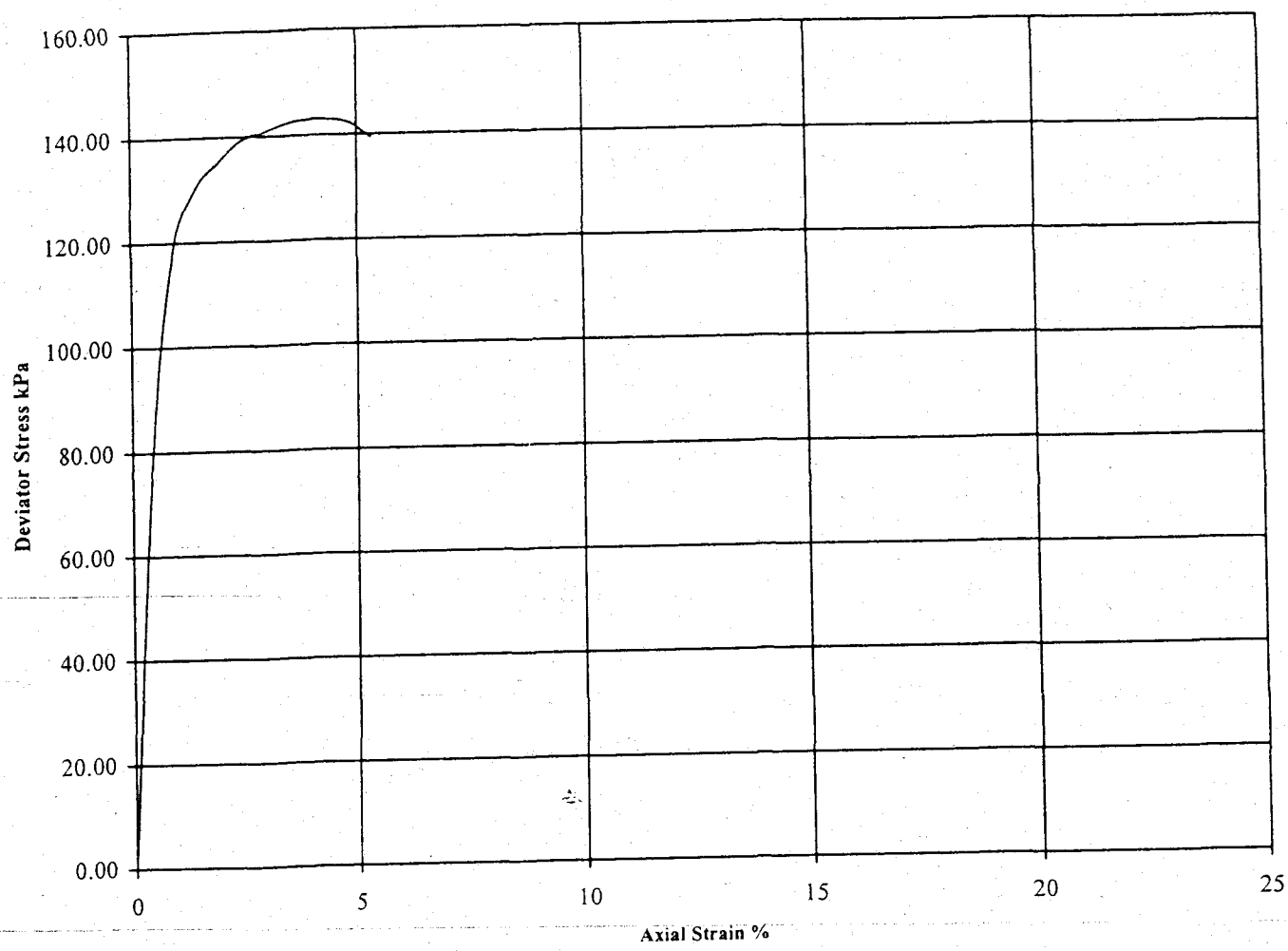
South Kirkby, WF9 3AP

Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Borehole / Sample Number: 10 **Depth (m):** 1.00



Diameter (mm):		102	Height (mm):		207	Test:	100 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	31.2	1.92	1.46	25	143	71	4.3	Brittle	See summary of soil descriptions.
B									
C									

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THYSSEN GEOTECHNICAL

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Contract No:
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South Kirkby, WF3 9AP

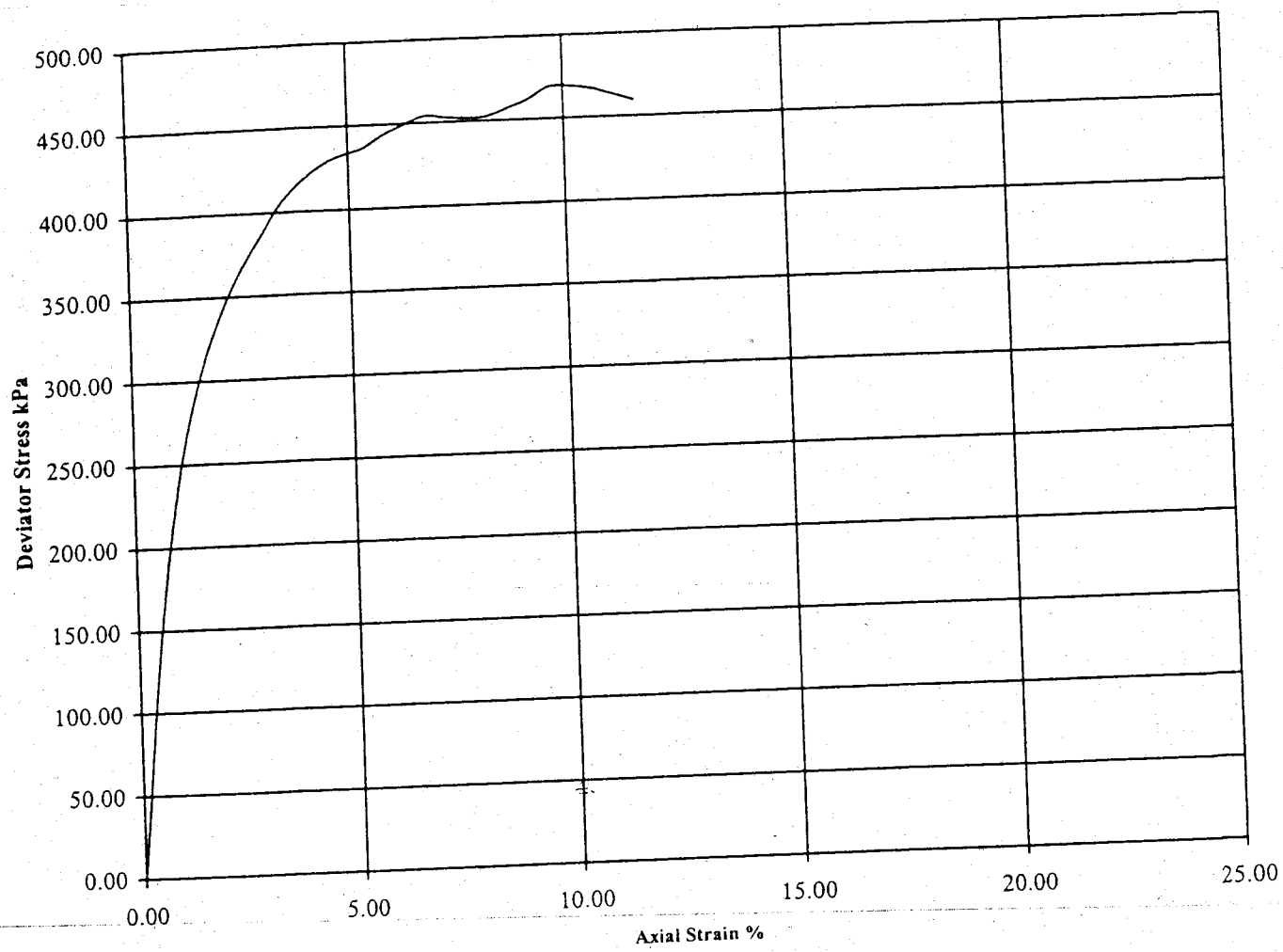
Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Trial Pit / Sample Number: 74

Depth (m): 0.70



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	24	1.90	1.53	50	436	218	5.3	Brittle	Recompacted 2.5kg rammer.
				100	454	227	6.8		
				200	469	235	10.1		

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THYSSEN GEOTECHNICAL

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Contract No:
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South Kirkby, WF9 3AP

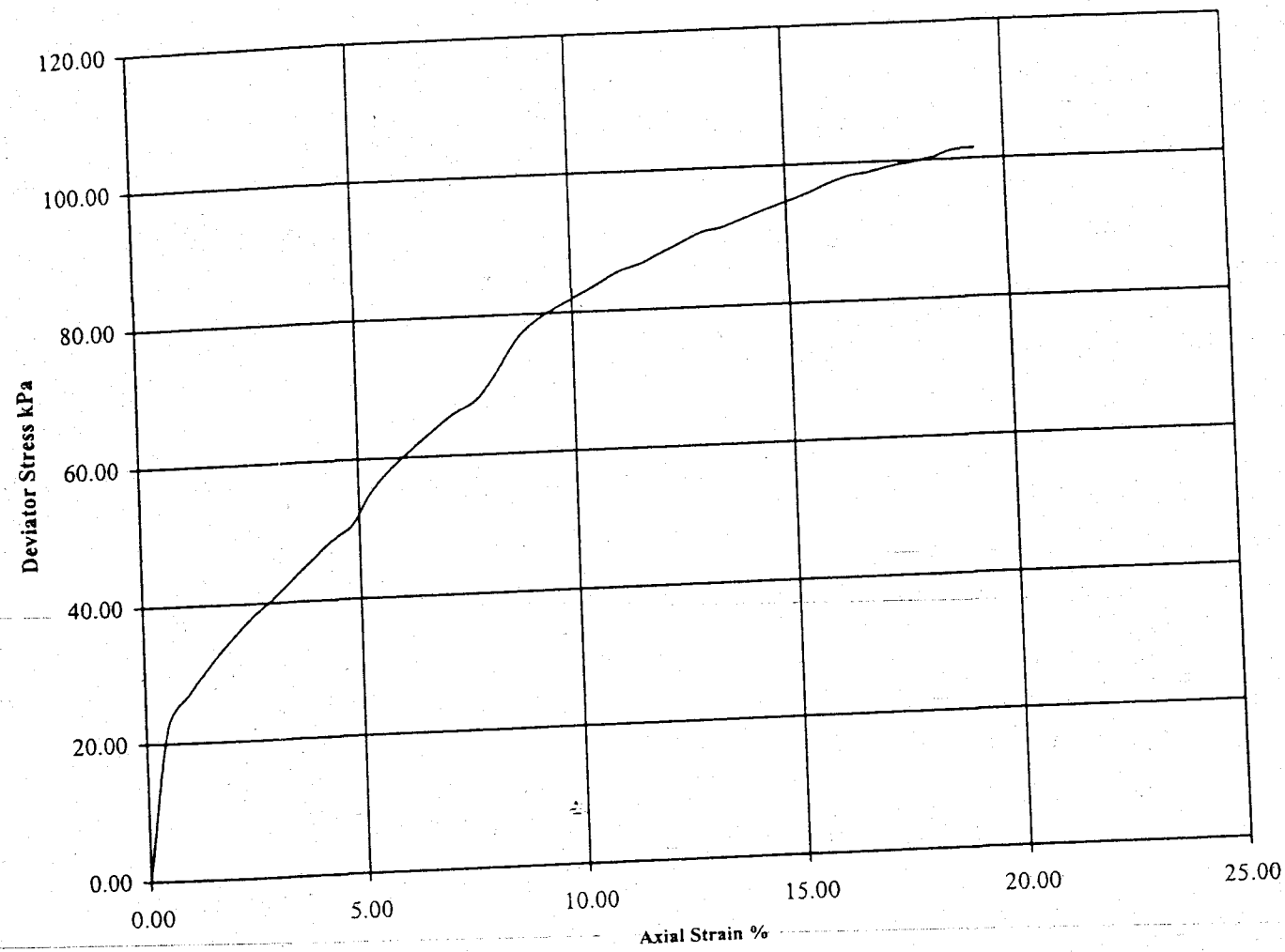
Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Trial Pit / Sample Number: 76

Depth (m): 2.50



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	15	2.22	1.92	50	51	25	4.8	Plastic.	Recompacted 2.5kg rammer.
				100	68	34	7.7		
				200	102	51	19.3		

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THYSSEN GEOTECHNICAL

BICESTER.

Contract No: NL211004

South Kirkby, WF9 3AP

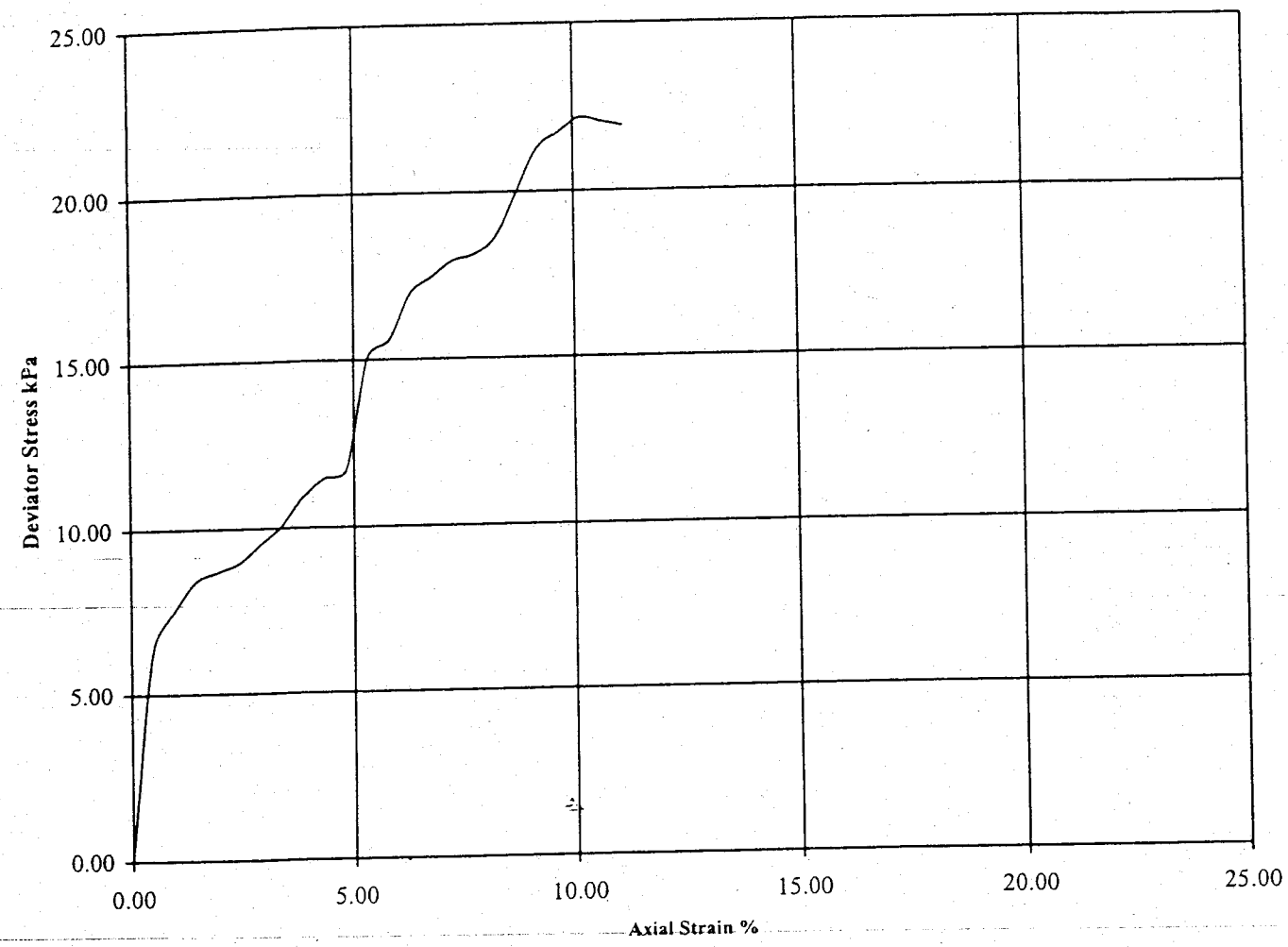
Undrained Shear Strength in Triaxial Compression

without measurement of Pore Pressure

B.S. 1377 : Part7 : Clause 8 : 1991

Trial Pit / Sample Number: 89A

Depth (m): 0.50



Diameter (mm):		102	Height (mm):		207	Test:	100mm Multistage		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks
A	106	1.32	0.64	50	12	6	4.8	Plastic.	Recompacted 2.5kg rammer.
				100	18	9	7.7		
				200	22	11	10.1		

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THYSSEN GEOTECHNICAL

BICESTER.

Contract No: NL211004

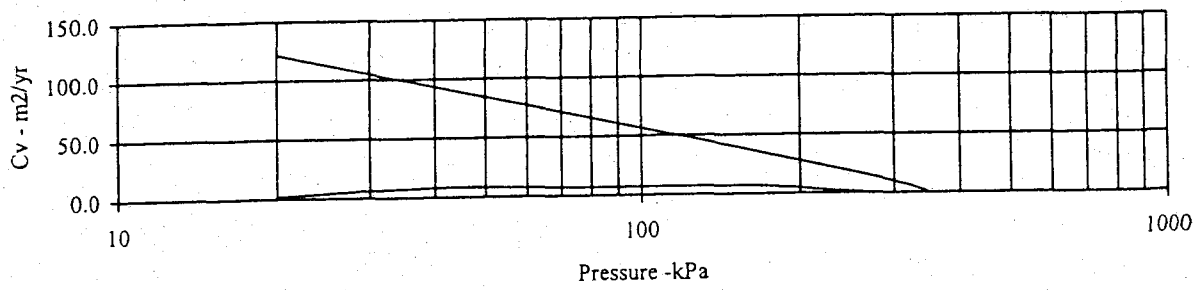
South Kirkby, WF9 3AP

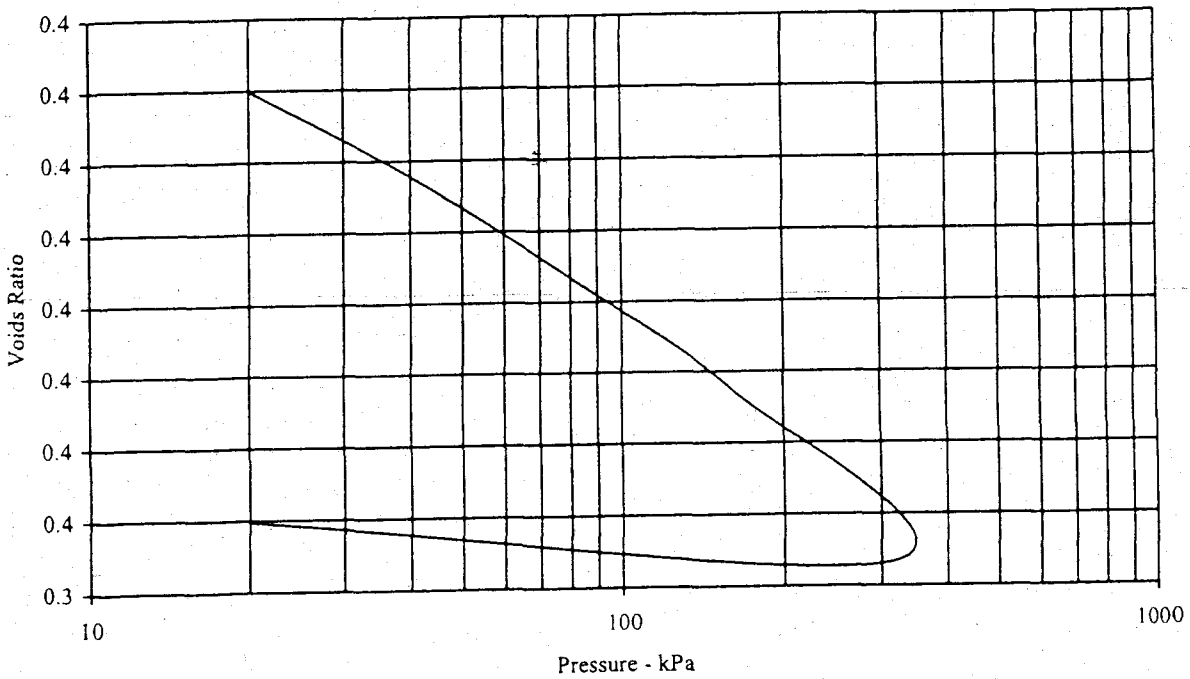
One Dimensional Consolidation Properties

BS 1377: Part 5: 1990

Borehole \ Sample No. 1 Depth (m): 2.00

Initial Conditions		Pressure Range kPa			Mv m2/MN	Cv m2/yr	Final Conditions	
Moisture Content (%):	18						Moisture Content (%) :	15
Bulk Density (Mg/m3):	2.19	0	-	20	0.649	2.042	Bulk Density (Mg/m3) :	2.26
Dry Density (Mg/m3):	1.86	20	-	40	0.431	8.161	Dry Density (Mg/m3)	1.96
Voids Ratio:	0.428	40	-	80	0.257	6.877	Voids Ratio:	0.35
Degree of saturation:	110.9	80	-	160	0.143	7.039	Degree of Saturation: :	116.2
Height (mm):	19.25	160	-	320	0.110	6.094	Height (mm) :	18.19
Diameter (mm)	75	320	-	20	0.015	121.886	Remarks:	
Particle Density (Mg/m3):	2.65						See summary of soil descriptions.	
Assumed								





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26/9/01

THYSSEN GEOTECHNICAL

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Contract No. NL211004

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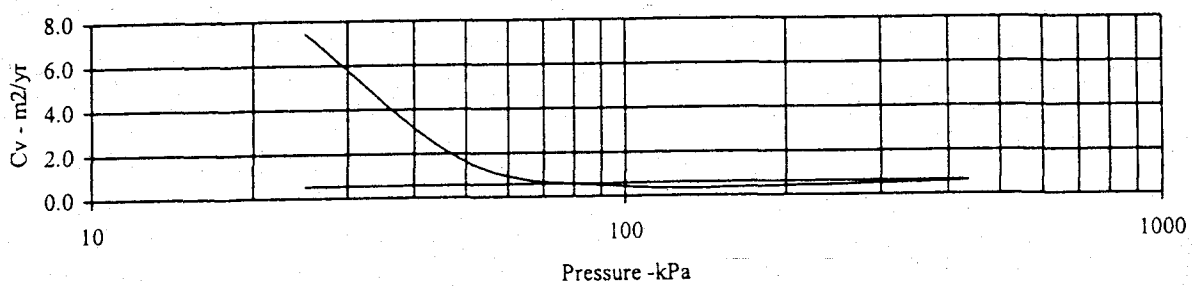
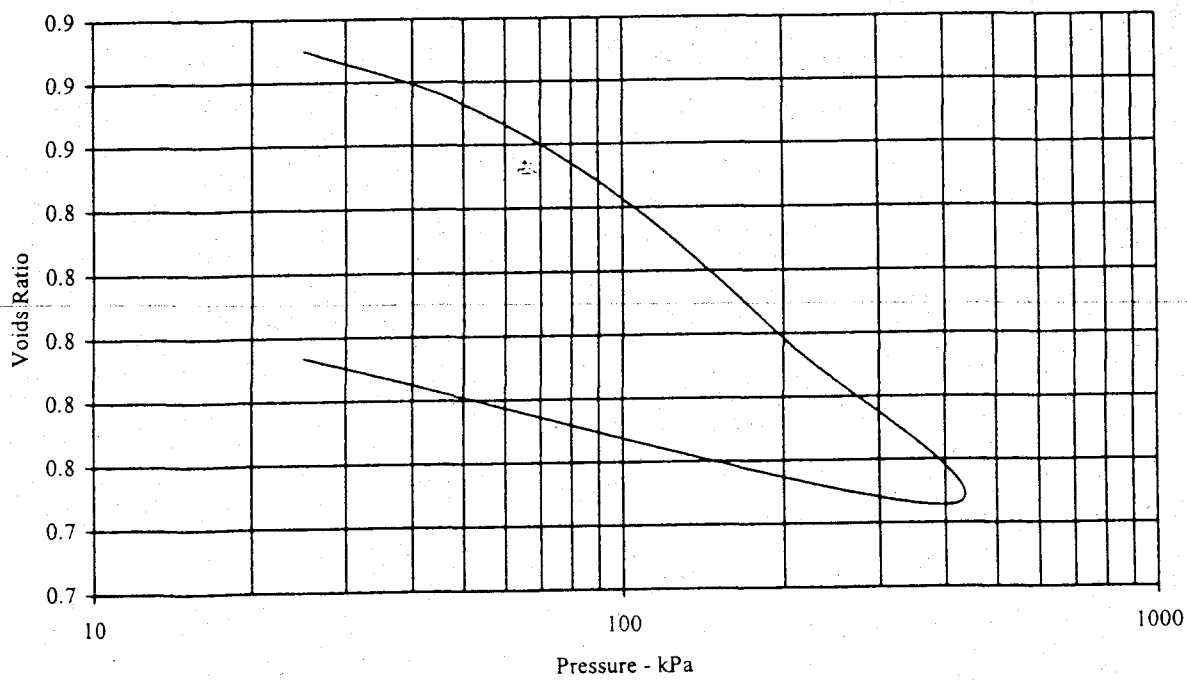
One Dimensional Consolidation Properties

BS 1377: Part 5: 1990

Borehole \ Sample No. 2 Depth (m): 3.00

Initial Conditions		Pressure Range kPa			Mv m2/MN	Cv m2/yr	Final Conditions	
Moisture Content (%):	40						Moisture Content (%) :	36
Bulk Density (Mg/m3):	1.94	0	-	25	0.563	7.427	Bulk Density (Mg/m3) :	2.02
Dry Density (Mg/m3):	1.38	25	-	50	0.360	1.602	Dry Density (Mg/m3)	1.48
Voids Ratio:	0.917	50	-	100	0.323	0.424	Voids Ratio:	0.794
Degree of saturation:	116.8	100	-	200	0.241	0.419	Degree of Saturation: :	121.5
Height (mm):	19.62	200	-	400	0.147	0.643	Height (mm) :	18.35
Diameter (mm)	75	400	-	25	0.073	0.524	Remarks:	
Particle Density (Mg/m3):	2.65						See summary of soil descriptions.	
Assumed								





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THYSSEN GEOTECHNICAL

BICESTER

Contract No. NL211004

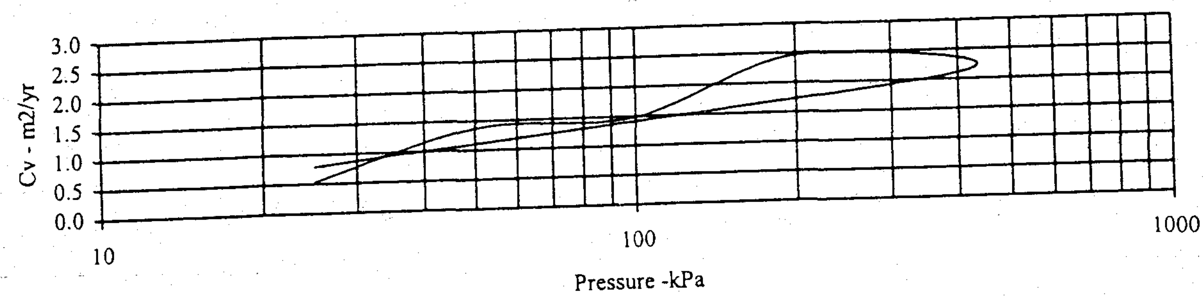
One Dimensional Consolidation Properties

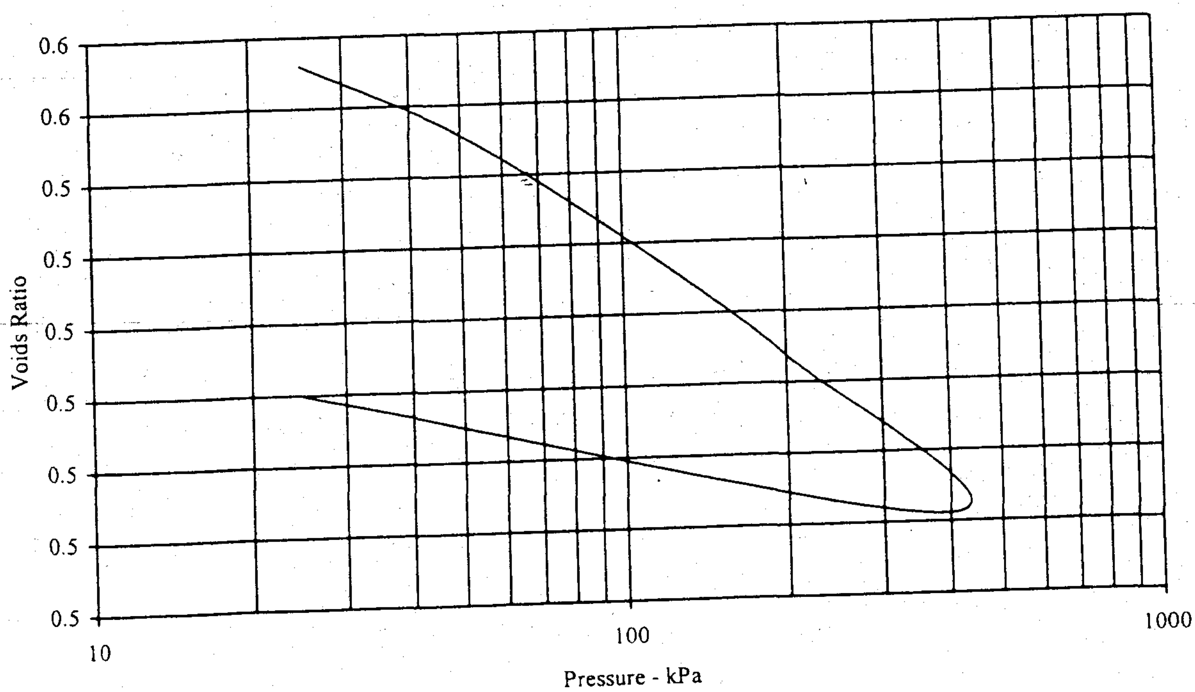
BS 1377: Part 5: 1990

Borehole \ Sample No. 3

Depth (m): 3.00

Initial Conditions		Pressure Range kPa	Mv m2/MN	Cv m2/yr	Final Conditions	
Moisture Content (%):	27				Moisture Content (%) :	24
Bulk Density (Mg/m3):	2.13	0 - 25	0.527	0.537	Bulk Density (Mg/m3) :	2.18
Dry Density (Mg/m3):	1.68	25 - 50	0.263	1.367	Dry Density (Mg/m3)	1.76
Voids Ratio:	0.577	50 - 100	0.191	1.487	Voids Ratio:	0.51
Degree of saturation:	122.6	100 - 200	0.112	2.460	Degree of Saturation: :	125.8
Height (mm):	20.04	200 - 400	0.075	2.106	Height (mm) :	19.19
Diameter (mm)	75	400 - 25	0.033	0.791	Remarks:	
Particle Density (Mg/m3):	2.65				See summary of soil descriptions.	
Assumed						





Checked and Approved By R C[illegible]

Date 18/9/01

THYSSEN GEOTECHNICAL

BICESTER

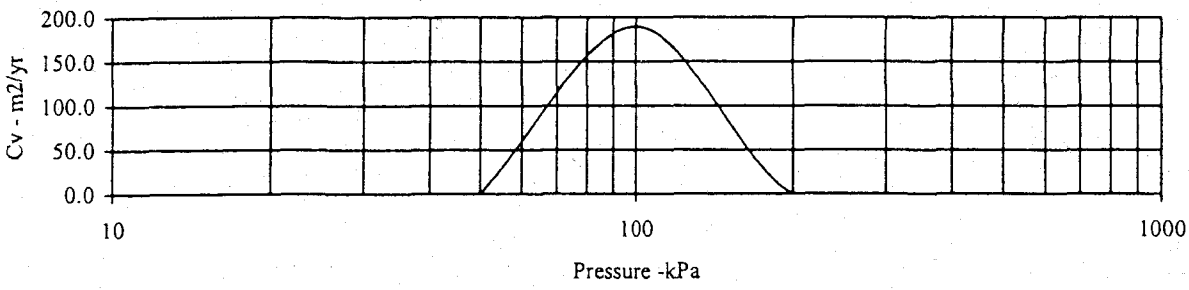
Contract No. NL211004

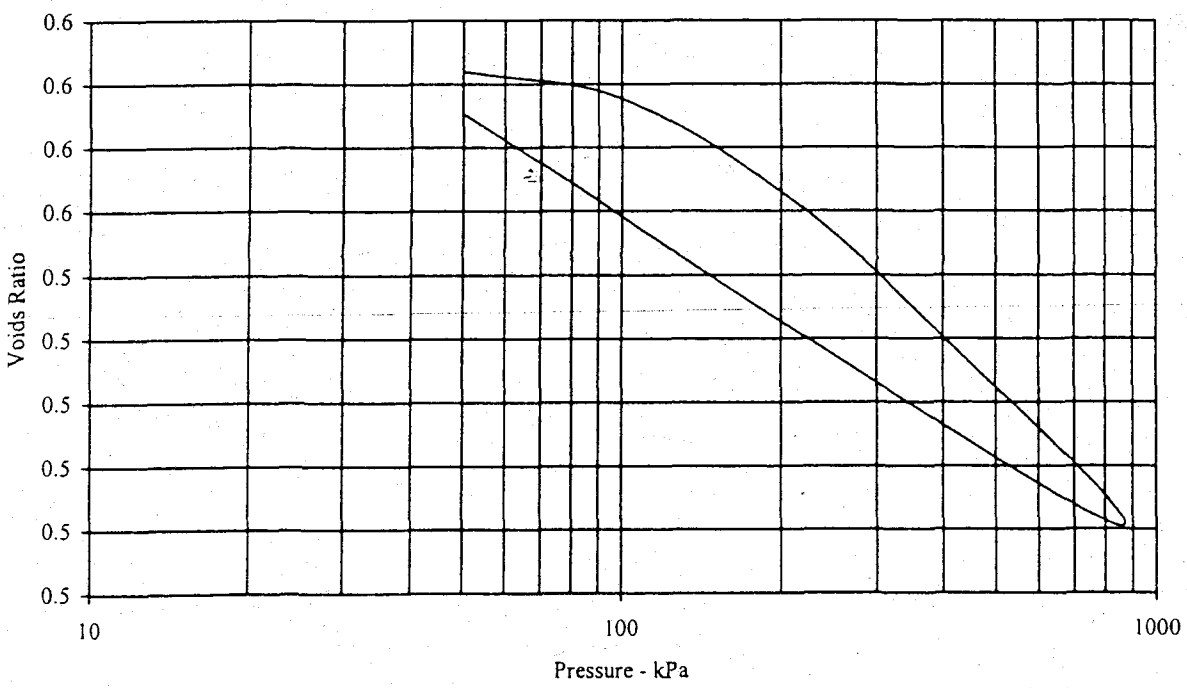
One Dimensional Consolidation Properties

BS 1377: Part 5: 1990

Borehole \ Sample No. 4 Depth (m): 3.00

Initial Conditions		Pressure Range kPa			Mv m2/MN	Cv m2/yr	Final Conditions	
Moisture Content (%):	26						Moisture Content (%) :	26
Bulk Density (Mg/m3):	2.13	0	-	50	Swelling	Swelling	Bulk Density (Mg/m3) :	2.14
Dry Density (Mg/m3):	1.69	50	-	100	0.054	189.565	Dry Density (Mg/m3)	1.69
Voids Ratio:	0.569	100	-	200	0.094	0.377	Voids Ratio:	0.565
Degree of saturation:	121.9	200	-	400	0.073	0.196	Degree of Saturation: :	122.4
Height (mm):	19.81	400	-	800	0.047	0.267	Height (mm) :	19.76
Diameter (mm)	75	800	-	50	0.057	0.061	Remarks:	
Particle Density (Mg/m3): Assumed	2.65						See summary of soil descriptions.	





Checked and Approved By Date

18/9/01

THYSSEN GEOTECHNICAL

BICESTER

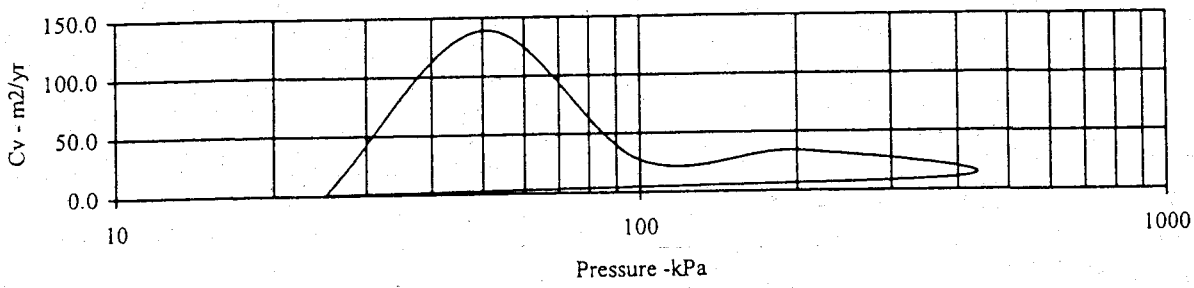
Contract No. NL211004

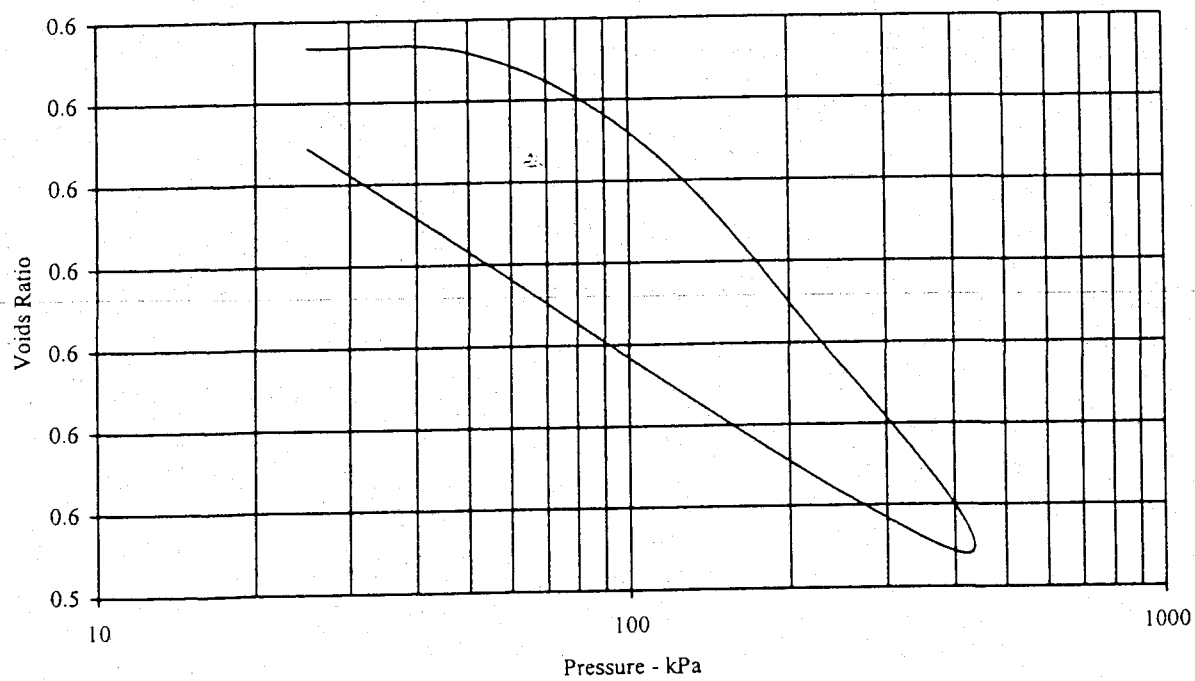
One Dimensional Consolidation Properties

BS 1377: Part 5: 1990

Borehole \ Sample No. 6 Depth (m): 2.00

Initial Conditions		Pressure Range kPa			Mv m2/MN	Cv m2/yr	Final Conditions	
Moisture Content (%):	22						Moisture Content (%) :	22
Bulk Density (Mg/m3):	2.01	0	-	25	Swelling	Swelling	Bulk Density (Mg/m3) :	2.02
Dry Density (Mg/m3):	1.65	25	-	50	0.021	139.067	Dry Density (Mg/m3)	1.66
Voids Ratio:	0.606	50	-	100	0.124	27.264	Voids Ratio:	0.594
Degree of saturation:	95.4	100	-	200	0.132	33.869	Degree of Saturation: :	97.2
Height (mm):	19.38	200	-	400	0.097	10.687	Height (mm) :	19.24
Diameter (mm)	75	400	-	25	0.087	0.835	Remarks:	
Particle Density (Mg/m3):	2.65						See summary of soil descriptions.	
Assumed								





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THYSSEN GEOTECHNICAL

BICESTER

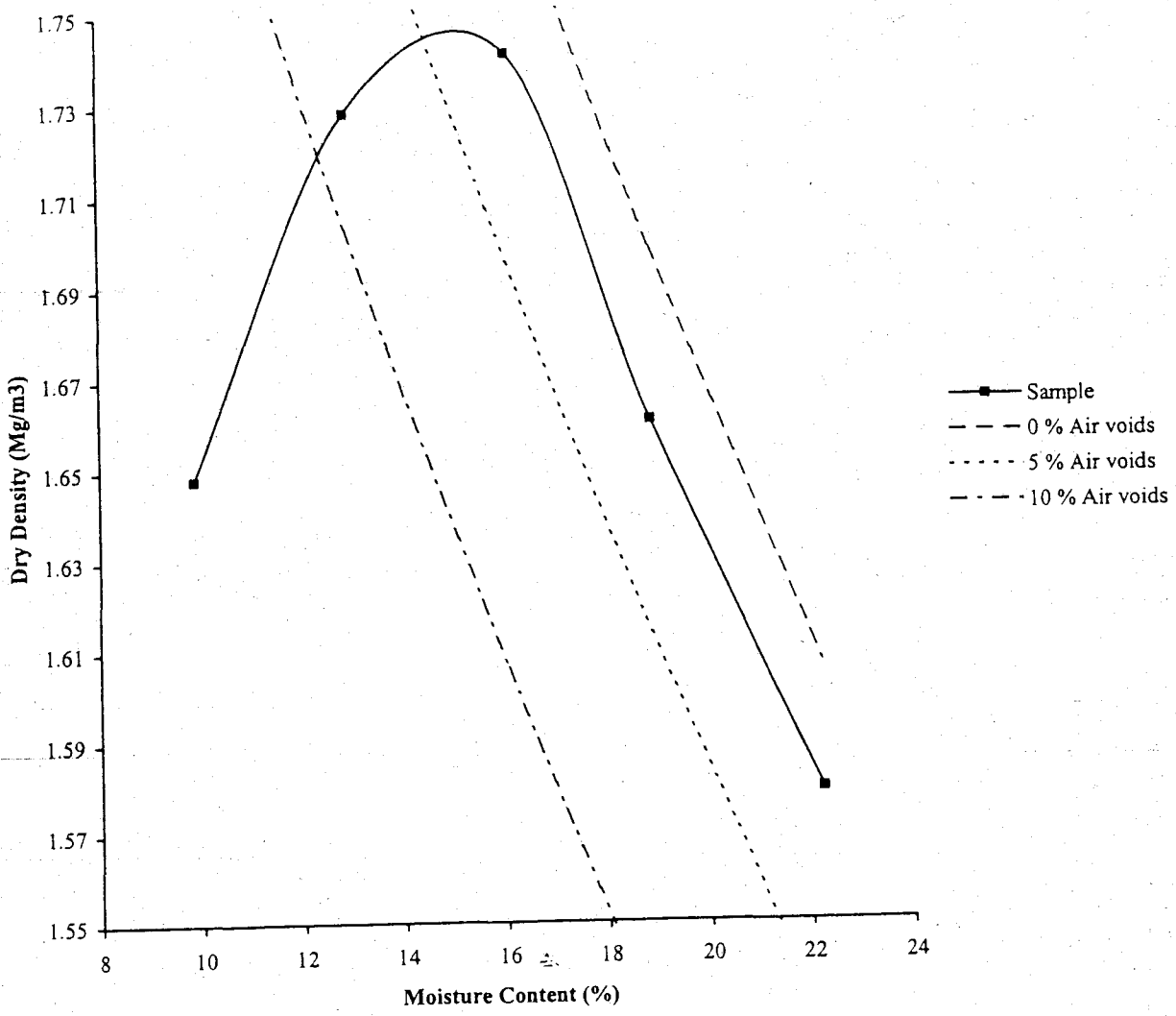
Contract No. NL211004

Page 1 of 1

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Borehole /Sample Number : 1 **Depth (m) :** 1.00



Initial Moisture Content:	22	Method of Compaction	4.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.5	Actual	Material Retained on 37.5 mm Test Sieve (%):	1
Maximum Dry Density (mg/m3):		1.75	Material Retained on 20.0 mm Test Sieve (%):	3
Optimum Moisture Content (%):		15		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

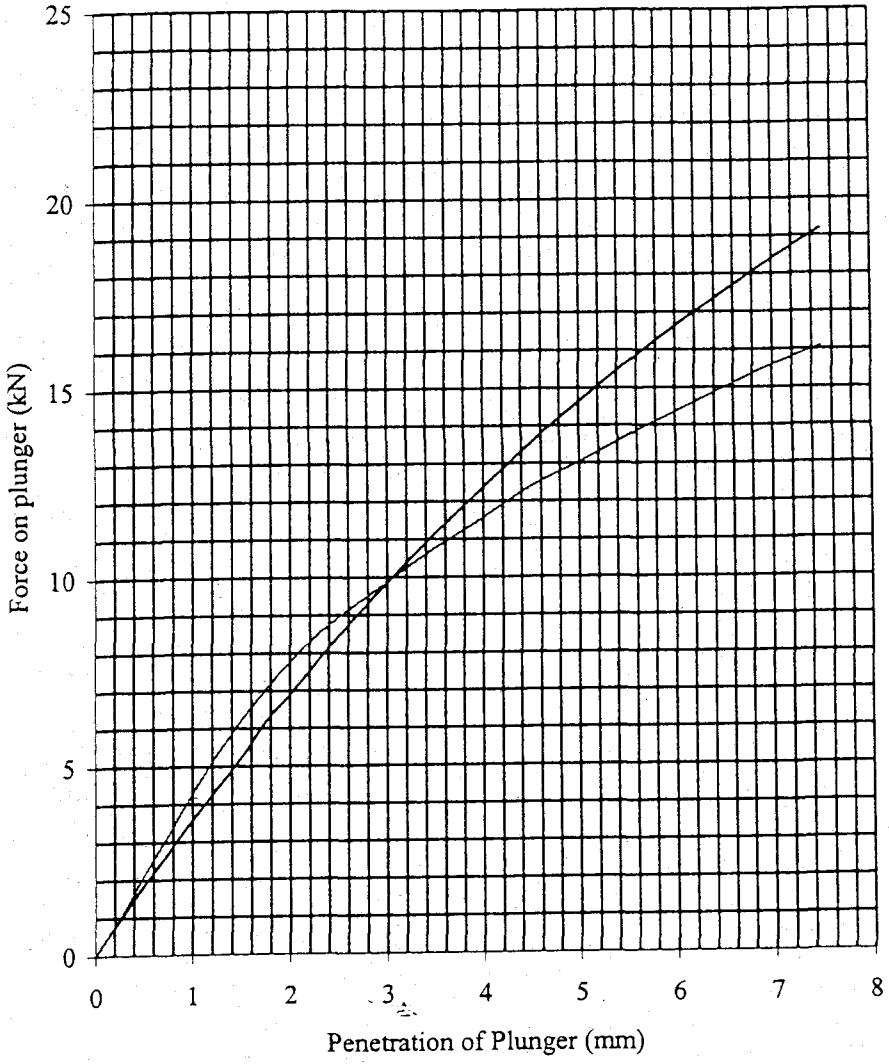
Contract No. NL211004

South Kirkby, WF3 9AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Borehole Number 1 Depth (m) : 1.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	9.8	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.81	Soaking Time hrs	0	Sample Top	10.1	Sample Top	73.1
Dry Density Mg/m3:	1.65	Swelling mm:	0	Sample Bottom	10.3	Sample Bottom	67.7
Percentage retained on 20mm BS test sieve:	4	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

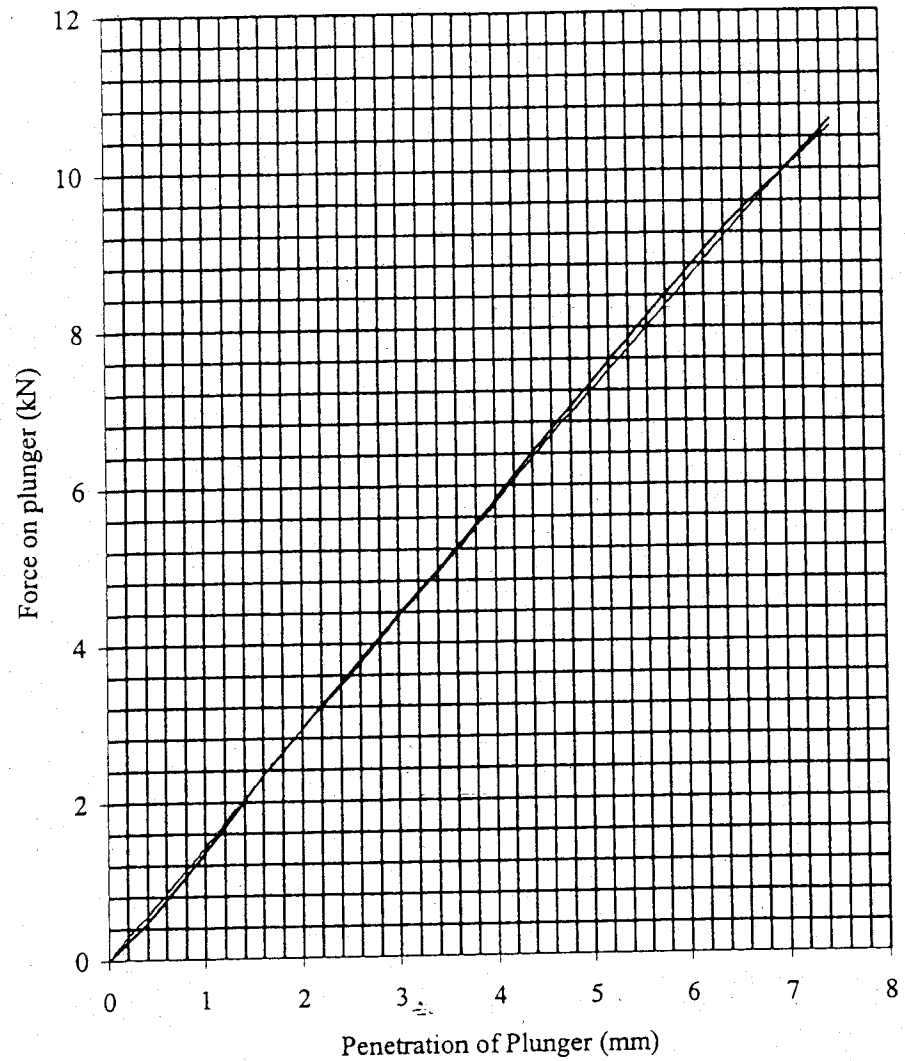
THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No. NL211004**

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Borehole Number 1 Depth (m) : 1.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	12.9	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.95	Soaking Time hrs	0	Sample Top	13.3	Sample Top	36.4
Dry Density Mg/m3:	1.73	Swelling mm:	0	Sample Bottom	12.8	Sample Bottom	35.9
Percentage retained on 20mm BS test sieve:	4	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

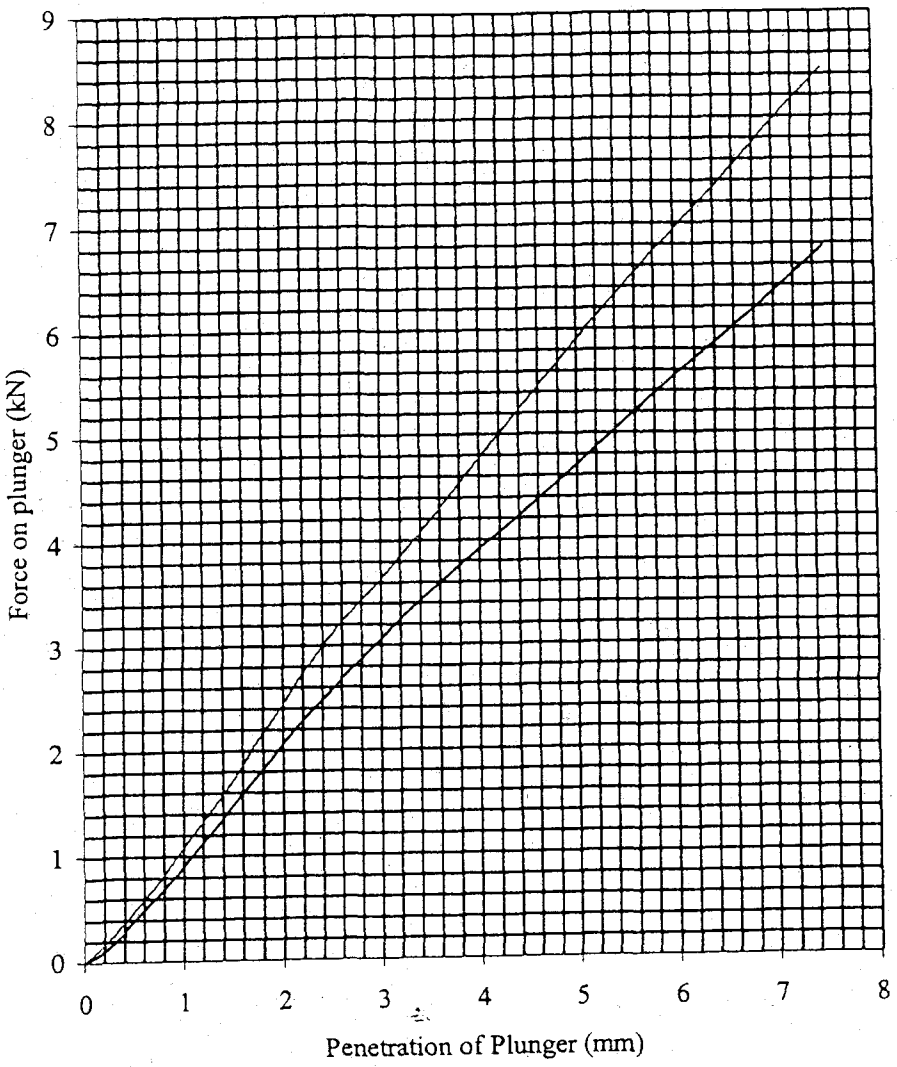
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Borehole Number 1 Depth (m) : 1.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	16.0	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.02	Soaking Time hrs	0	Sample Top	16.3	Sample Top	23.5
Dry Density Mg/m3:	1.74	Swelling mm:	0	Sample Bottom	16.0	Sample Bottom	29.5
Percentage retained on 20mm		Remarks: See Summary of Soil Description.					
BS test sieve:	4						

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

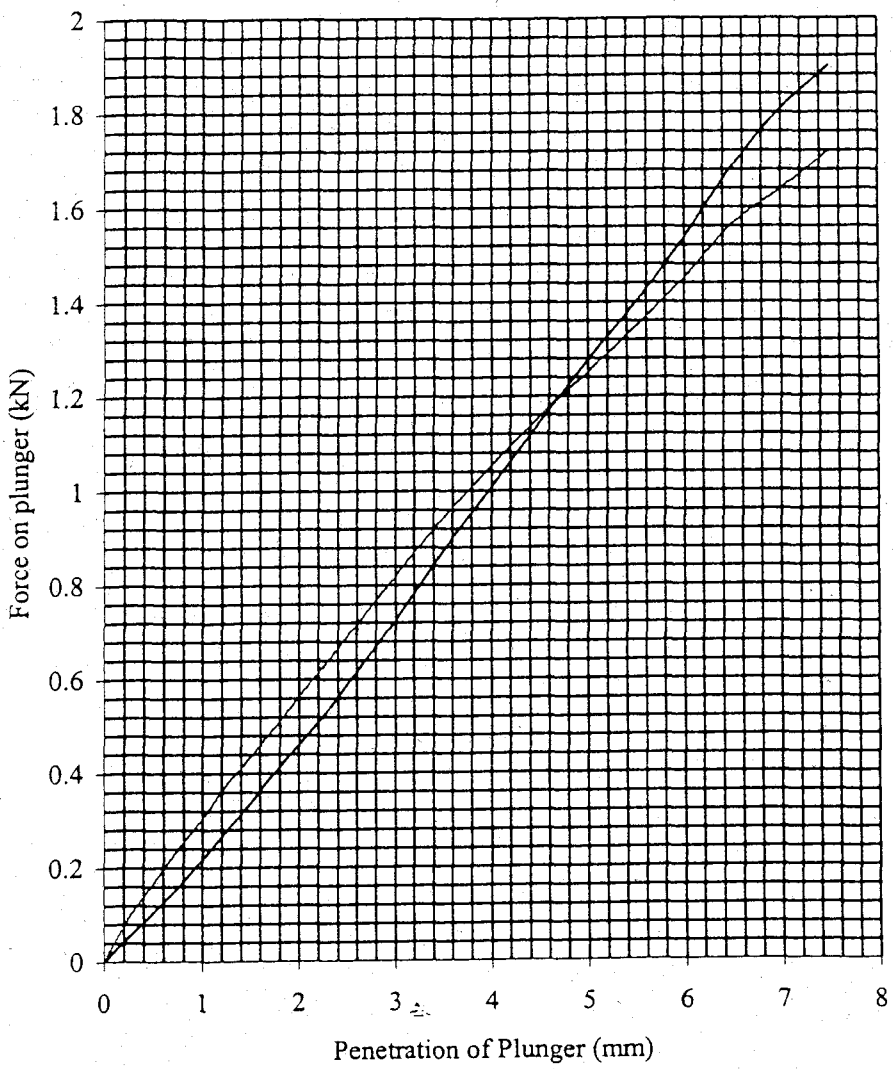
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Borehole Number 1 Depth (m) : 1.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	18.9	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.97	Soaking Time hrs	0	Sample Top	19.3	Sample Top	6.4
Dry Density Mg/m3:	1.66	Swelling mm:	0	Sample Bottom	18.9	Sample Bottom	6.3
Percentage retained on 20mm BS test sieve:	4	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	16/9/01		16/9/01

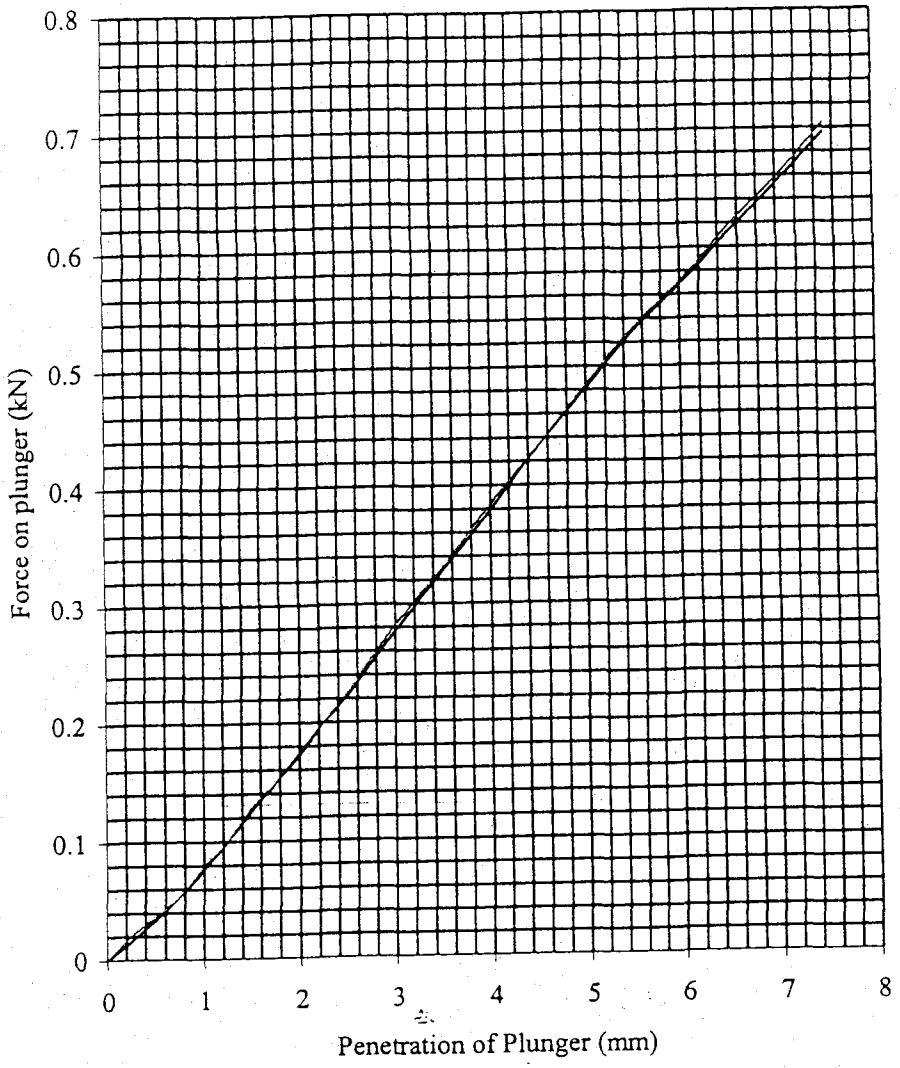
THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Borehole Number 1 Depth (m) : 1.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	22.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.93	Soaking Time hrs	0	Sample Top	21.8	Sample Top	2.4
Dry Density Mg/m3:	1.58	Swelling mm:	0	Sample Bottom	22.5	Sample Bottom	2.4
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	4						

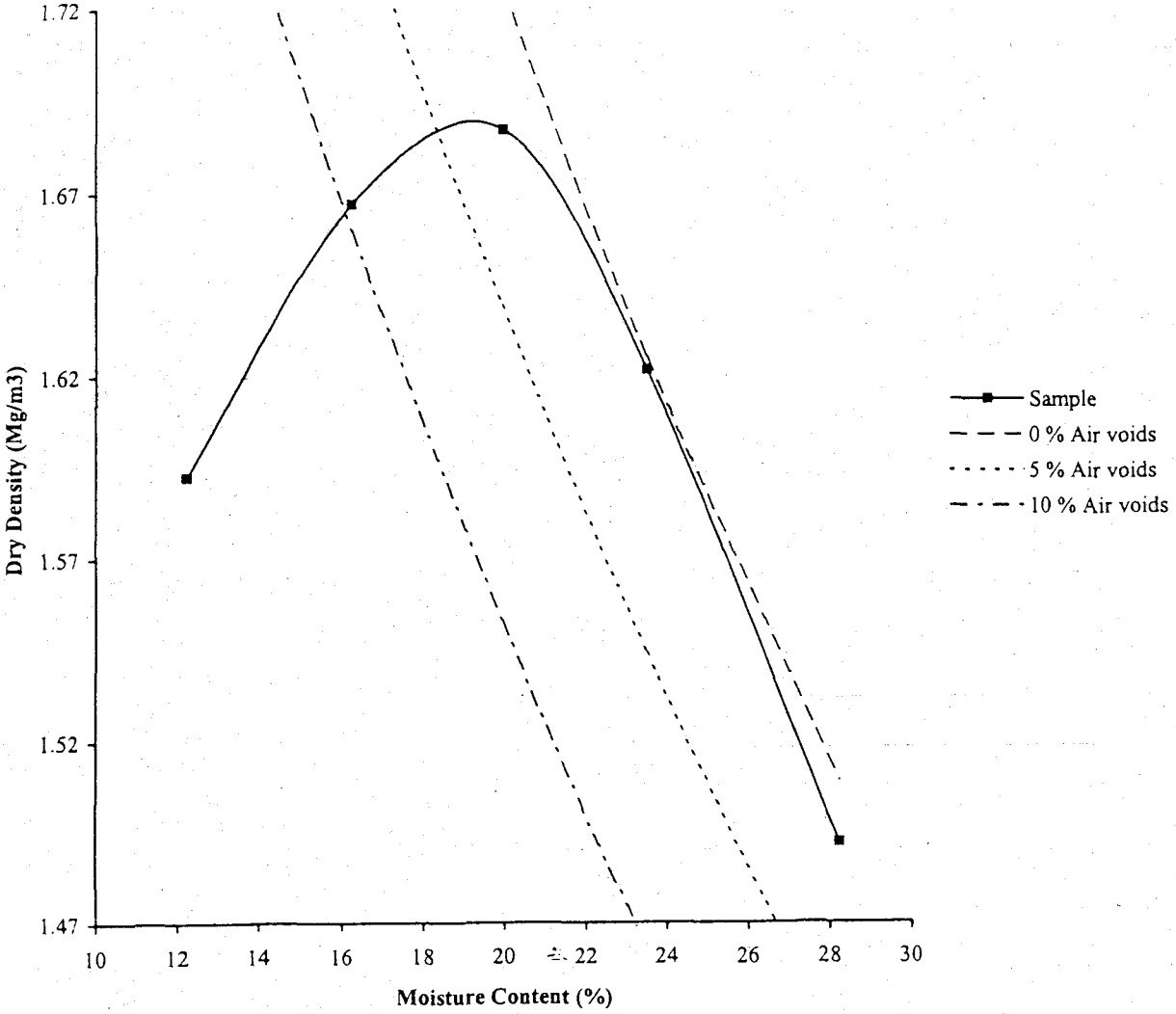
Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 1A **Depth (m) : 0.50**



Initial Moisture Content:	20	Method of Compaction	2.5 Kg Rammer / Separate	Sample
Particle Density (Mg/m3):	2.63	Actual	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.69	Material Retained on 20.0 mm Test Sieve (%):	0
Optimum Moisture Content (%):		19		
Remarks	See summary of soil descriptions.			

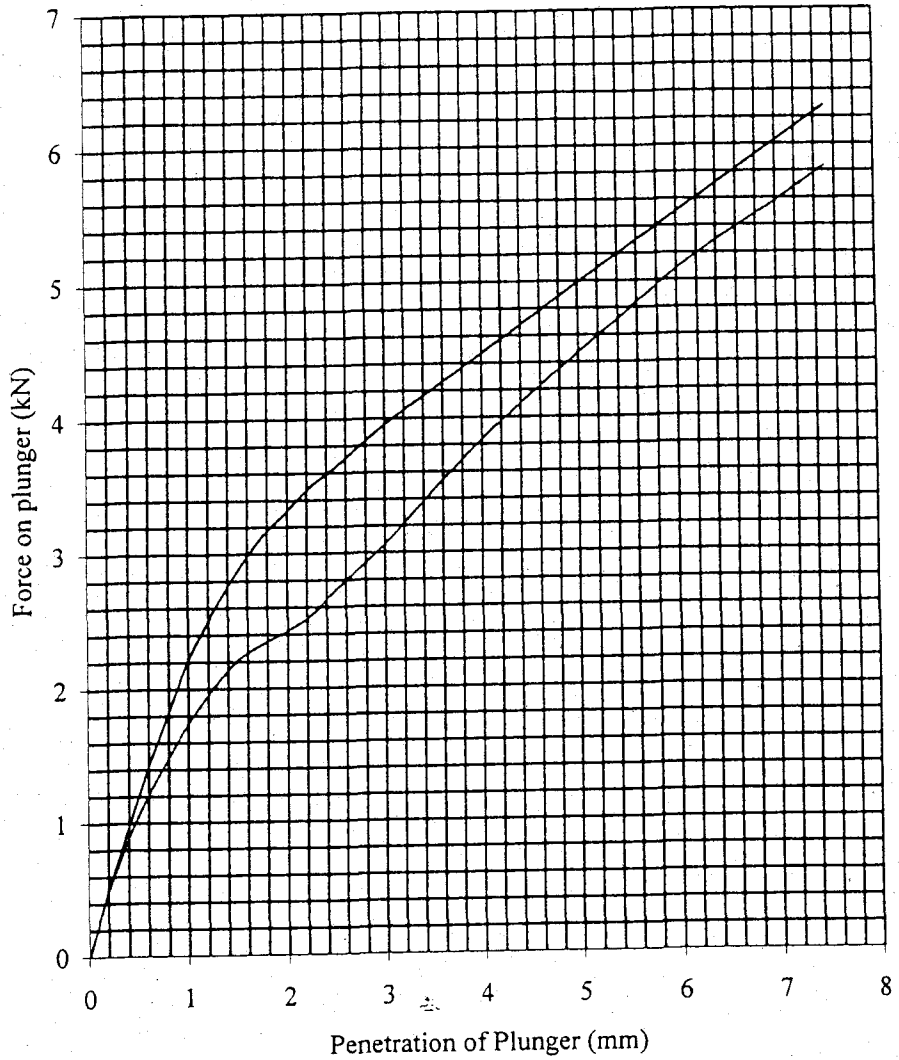
	Checked By	Date	Approved By	Date
		26/9/01		26/9/01

THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No. NL211004**

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 1A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	12.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.79	Soaking Time hrs	0	Sample Top	12.2	Sample Top	27.6
Dry Density Mg/m3:	1.59	Swelling mm:	0	Sample Bottom	12.2	Sample Bottom	22.3
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/4/01		26/4/01

THYSSEN GEOTECHNICAL

BICESTER.

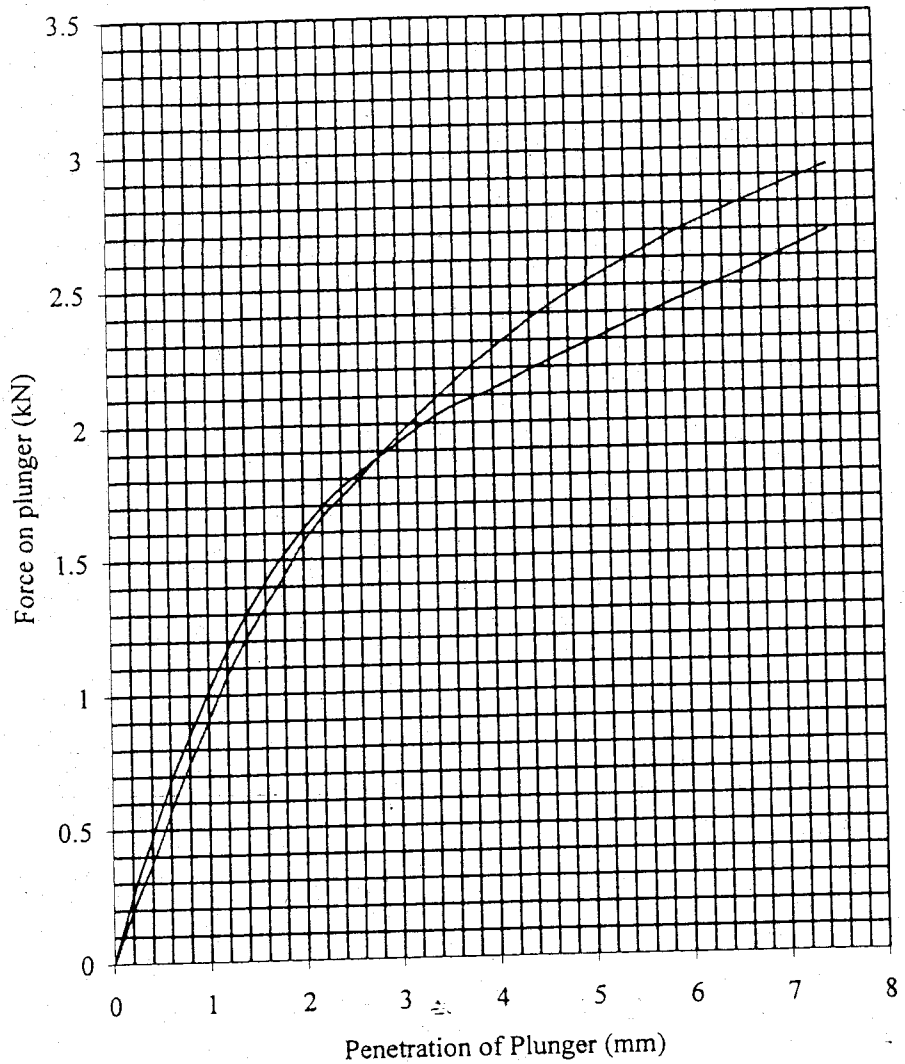
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 1A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	16.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.94	Soaking Time hrs	0	Sample Top	16.2	Sample Top	13.6
Dry Density Mg/m3:	1.67	Swelling mm:	0	Sample Bottom	16.2	Sample Bottom	13.4
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
R Cox	26/9/01	R Cox	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

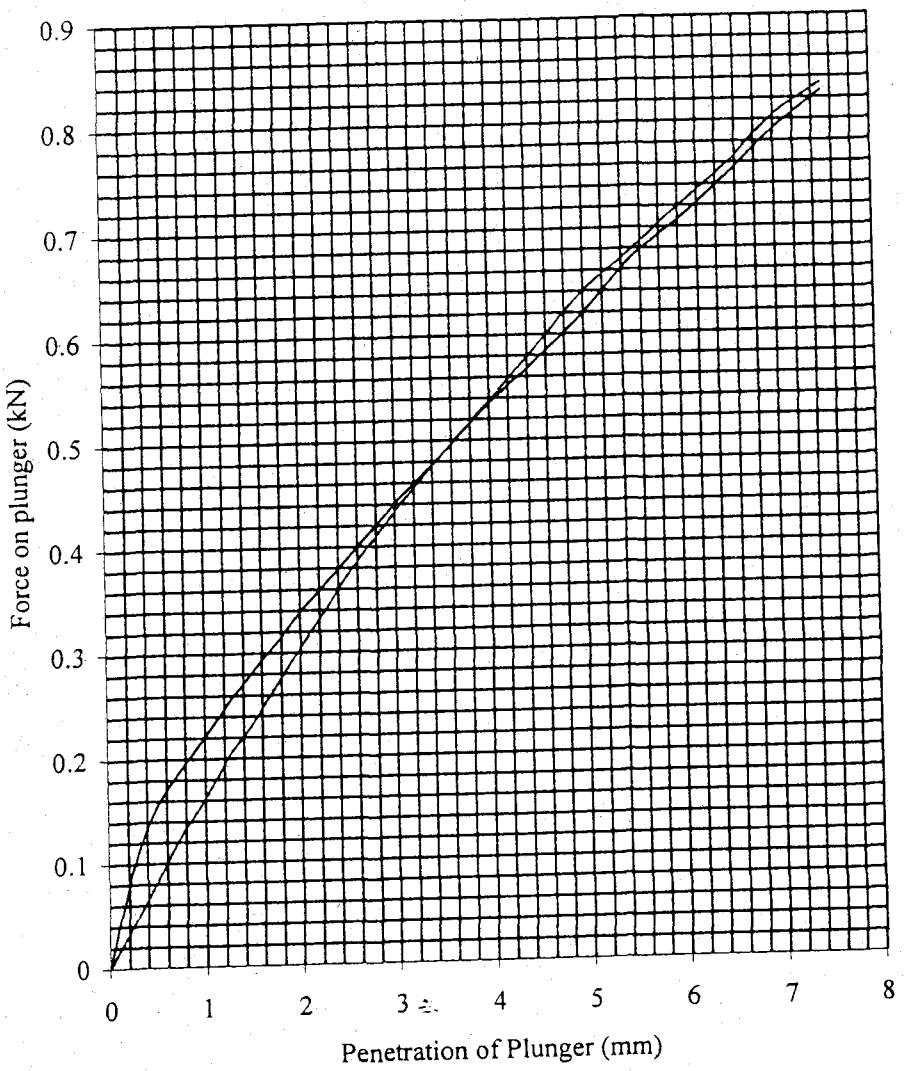
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 1A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	19.9	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.03	Soaking Time hrs	0	Sample Top	20.0	Sample Top	3.1
Dry Density Mg/m3:	1.69	Swelling mm:	0	Sample Bottom	19.8	Sample Bottom	3.2
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

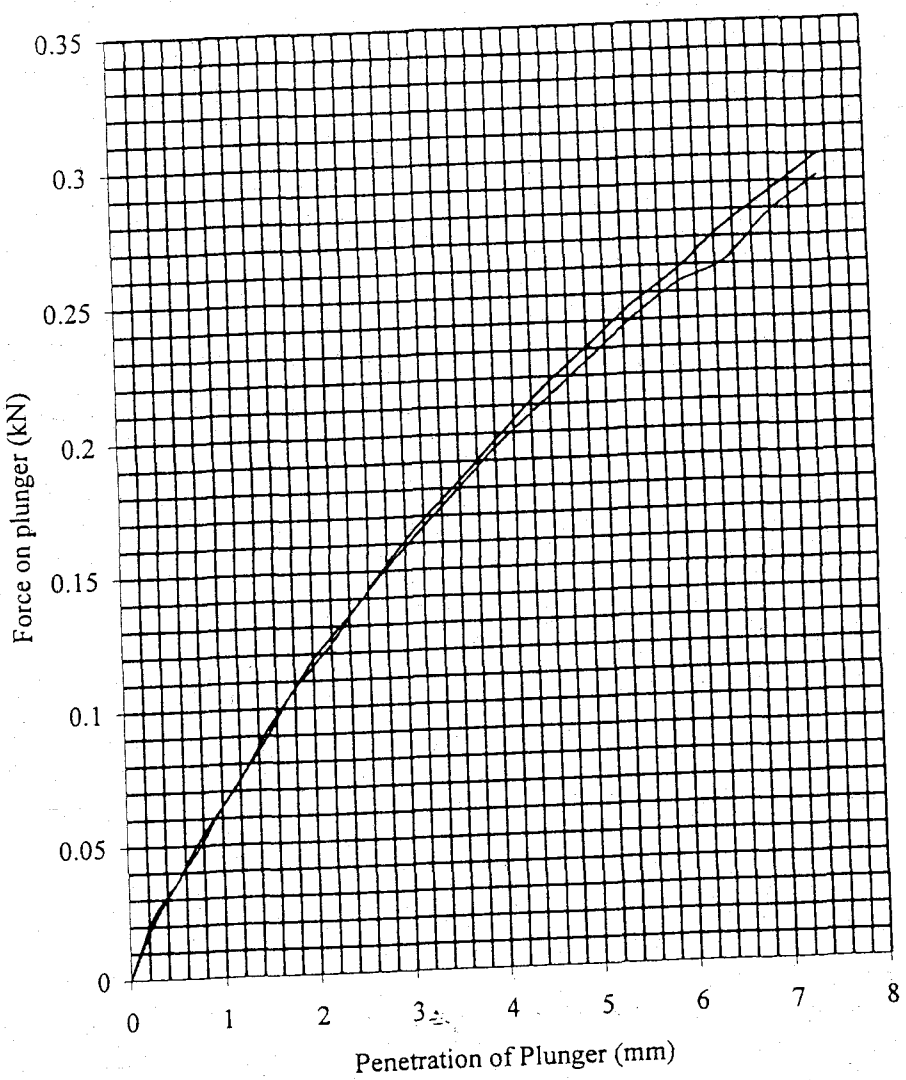
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 1A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	24.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.03	Soaking Time hrs	0	Sample Top	24.2	Sample Top	1.2
Dry Density Mg/m3:	1.63	Swelling mm:	0	Sample Bottom	24.2	Sample Bottom	1.1
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

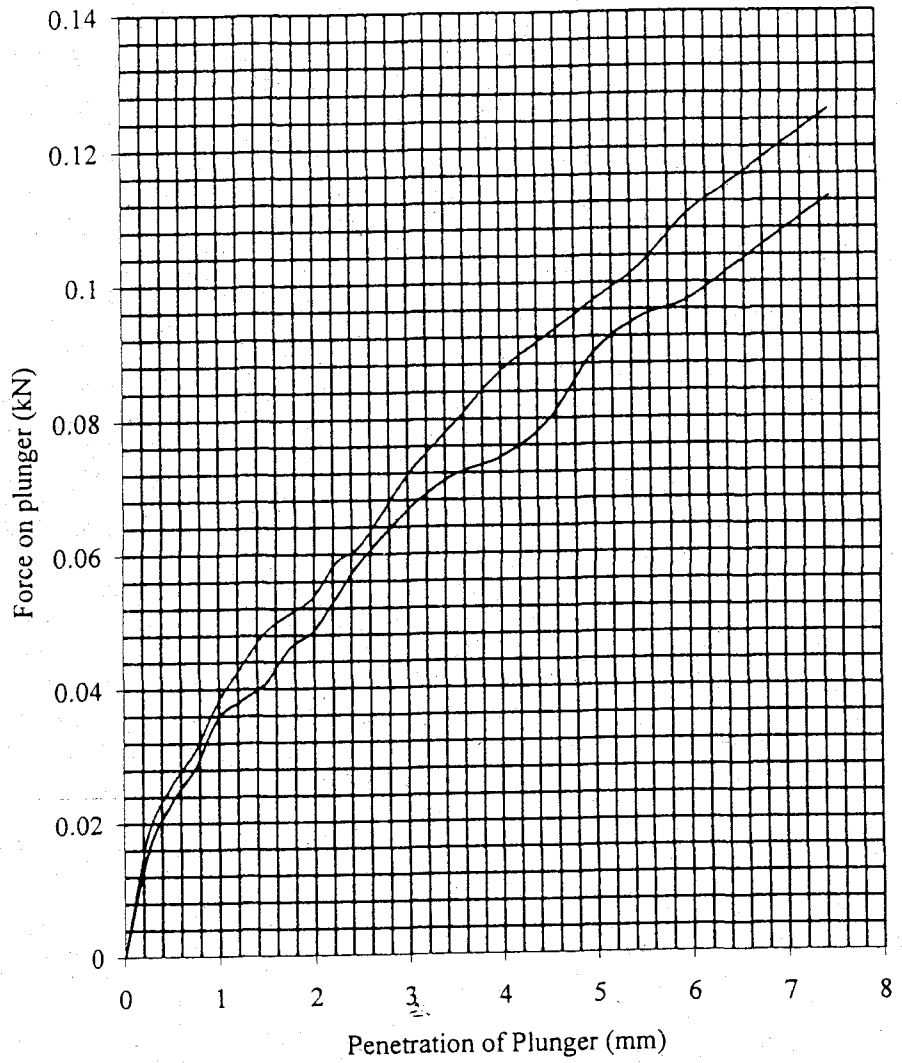
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 1A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	28.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.91	Soaking Time hrs	0	Sample Top	28.2	Sample Top	0.4
Dry Density Mg/m3:	1.49	Swelling mm:	0	Sample Bottom	28.2	Sample Bottom	0.5
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

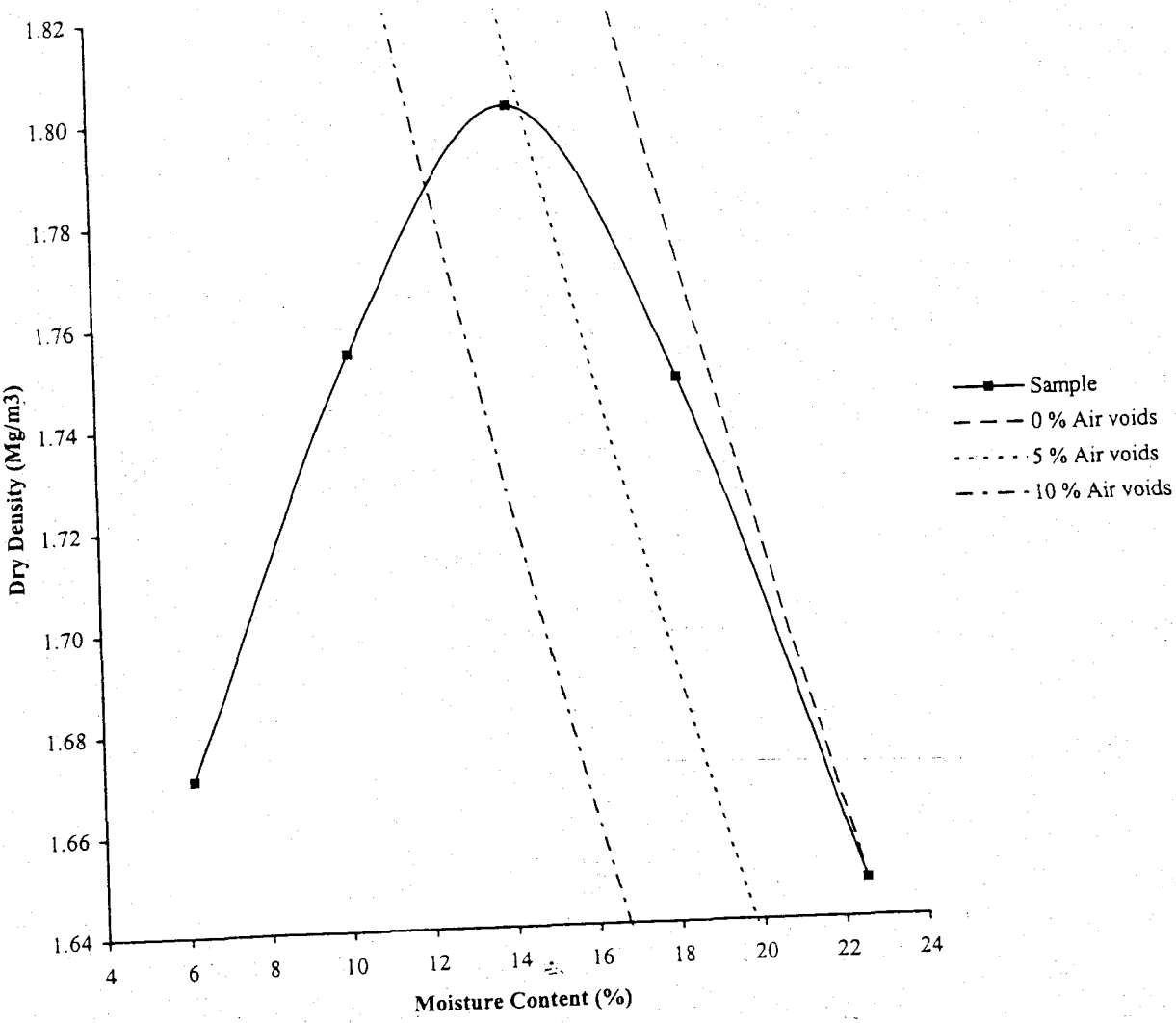
Checked by	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No. NL211004**

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 14A **Depth (m) : 2.00**



Initial Moisture Content:	23	Method of Compaction	4.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.62	Actual	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.80	Material Retained on 20.0 mm Test Sieve (%):	2
Optimum Moisture Content (%):		14		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
	16/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

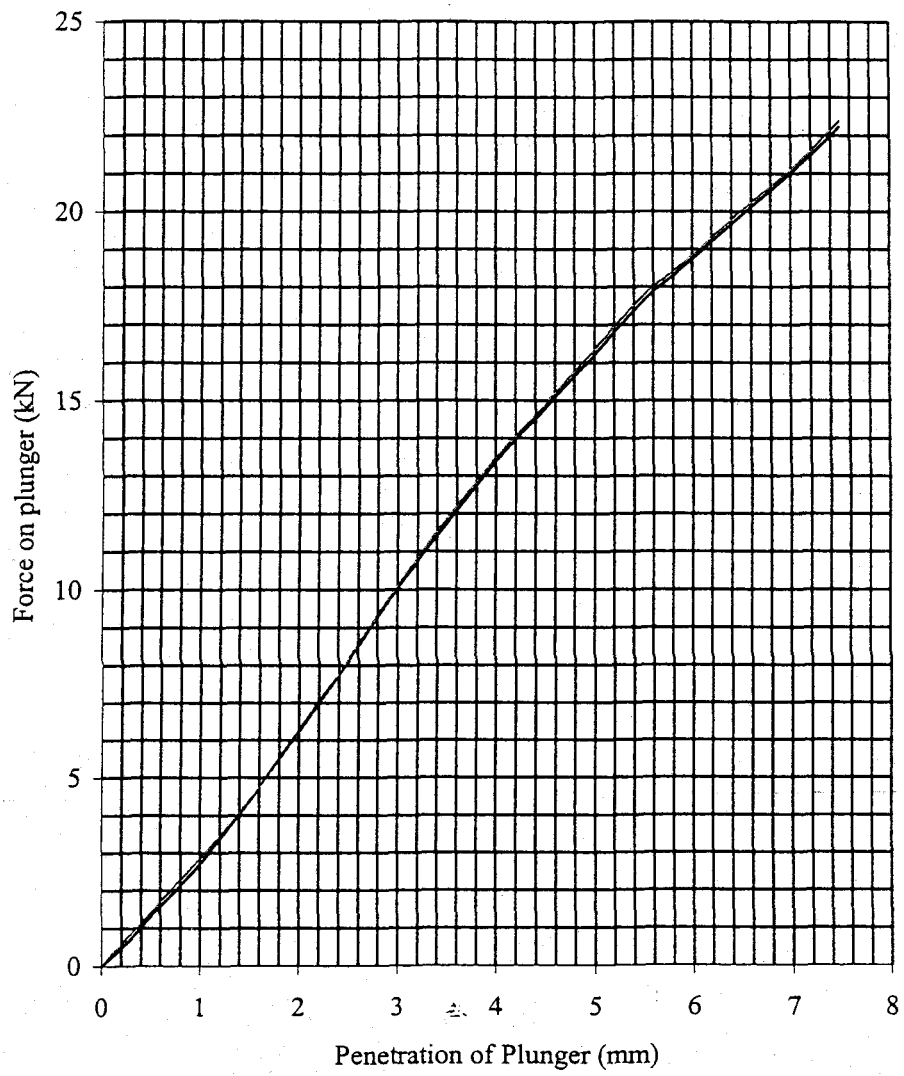
Contract No. NL211004

South Kirkby, WF3 9AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 14A Depth (m) : 2.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	6.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.77	Soaking Time hrs	0	Sample Top	6.1	Sample Top	81.0
Dry Density Mg/m3:	1.67	Swelling mm:	0	Sample Bottom	6.2	Sample Bottom	81.7
Percentage retained on 20mm BS test sieve:	2	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

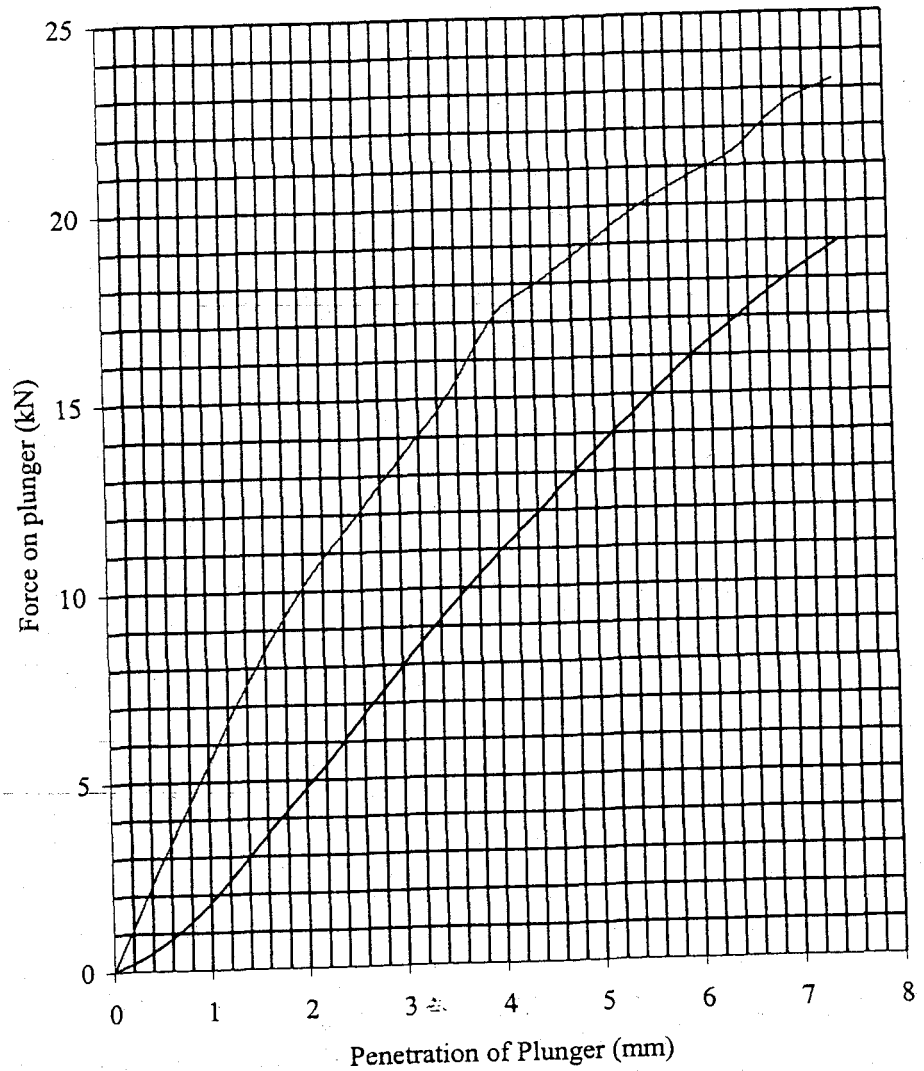
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 14A Depth (m) : 2.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	10.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.93	Soaking Time hrs	0	Sample Top	10.2	Sample Top	67.7
Dry Density Mg/m3:	1.75	Swelling mm:	0	Sample Bottom	10.2	Sample Bottom	95.3
Percentage retained on 20mm		Remarks: See Summary of Soil Description.					
BS test sieve:	2						

Checked by	Date	Approved By	Date
	26/4/11		26/4/11

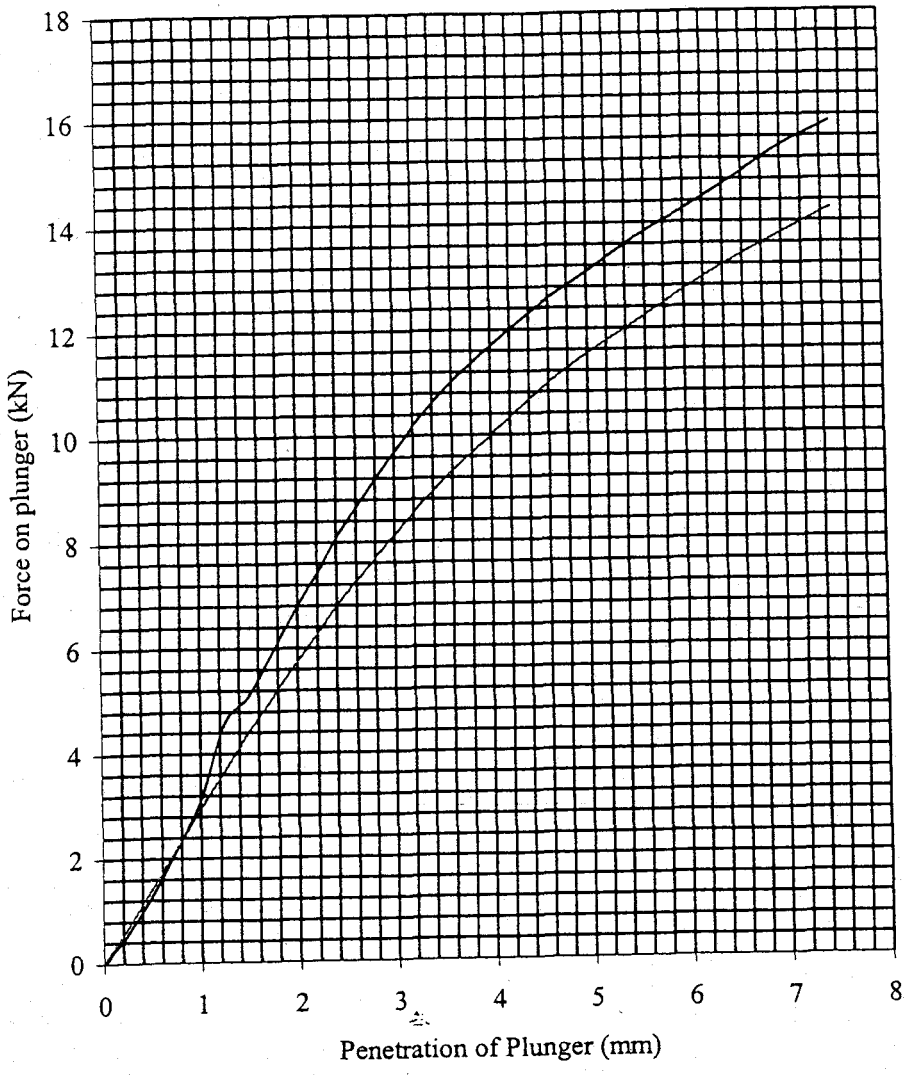
THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 14A Depth (m) : 2.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	14.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.06	Soaking Time hrs	0	Sample Top	14.2	Sample Top	65.4
Dry Density Mg/m3:	1.80	Swelling mm:	0	Sample Bottom	14.2	Sample Bottom	57.6
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	2						

Checked by	Date	Approved By	Date
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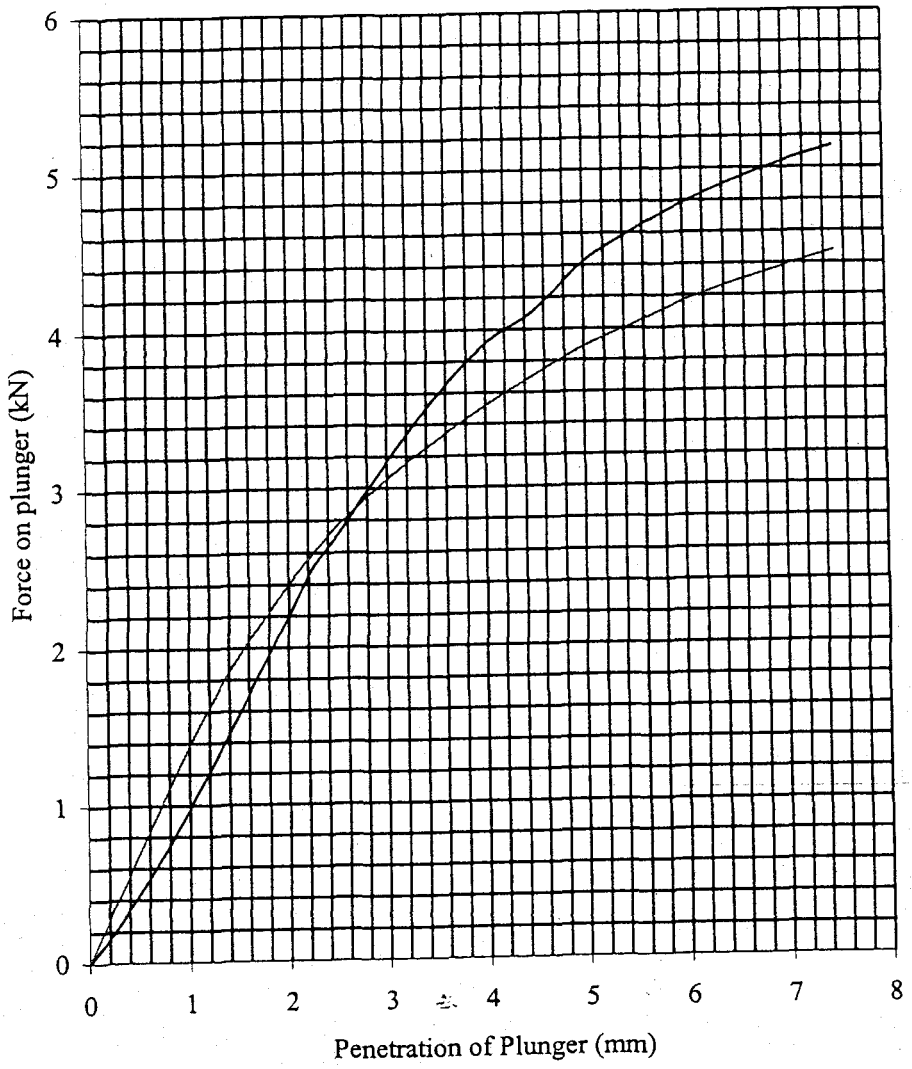
THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 14A Depth (m) : 2.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	18.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.07	Soaking Time hrs	0	Sample Top	18.2	Sample Top	22.1
Dry Density Mg/m3:	1.75	Swelling mm:	0	Sample Bottom	18.2	Sample Bottom	21.0
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	2						

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

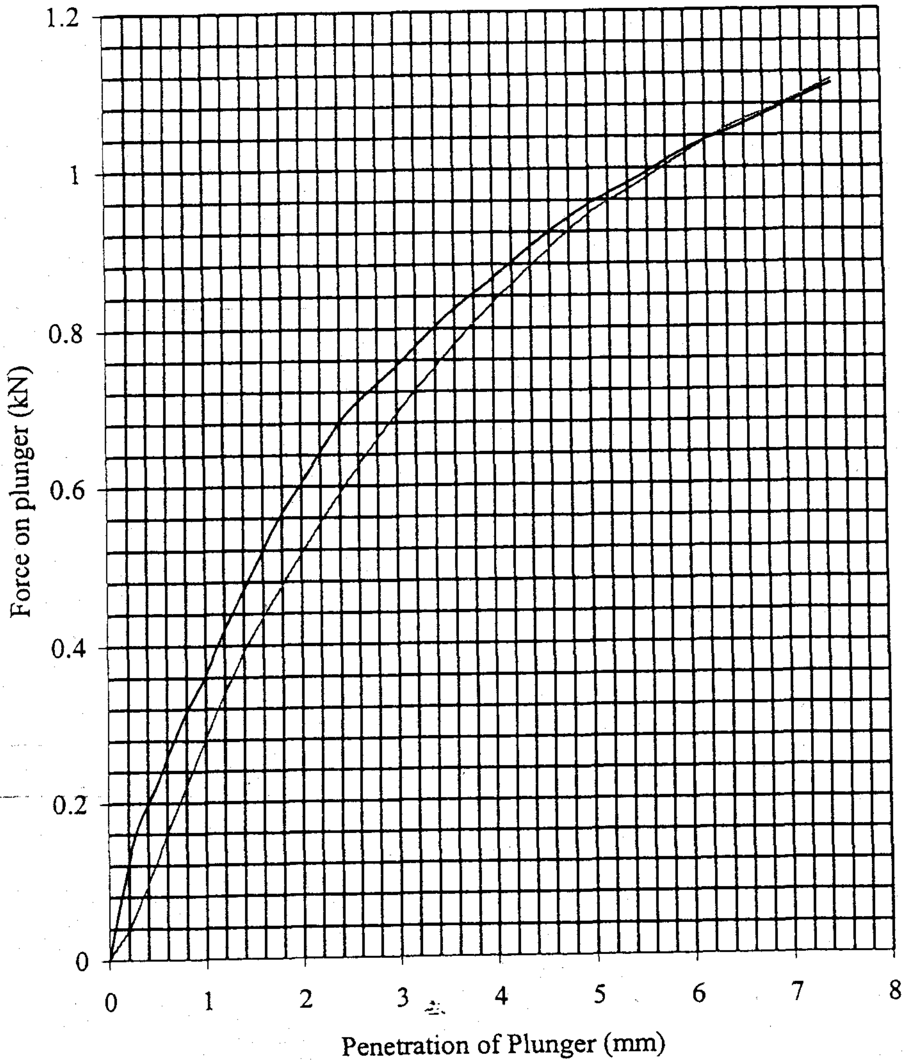
THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No. NL211004**

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 14A Depth (m) : 2.00



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	22.5	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.02	Soaking Time hrs	0	Sample Top	23.7	Sample Top	5.3
Dry Density Mg/m3:	1.65	Swelling mm:	0	Sample Bottom	23.1	Sample Bottom	4.7
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	2						

Checked by	Date	Approved By	Date
R C[signature]	26/9/01	R C[signature]	26/9/01

THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No.** **NL211004**

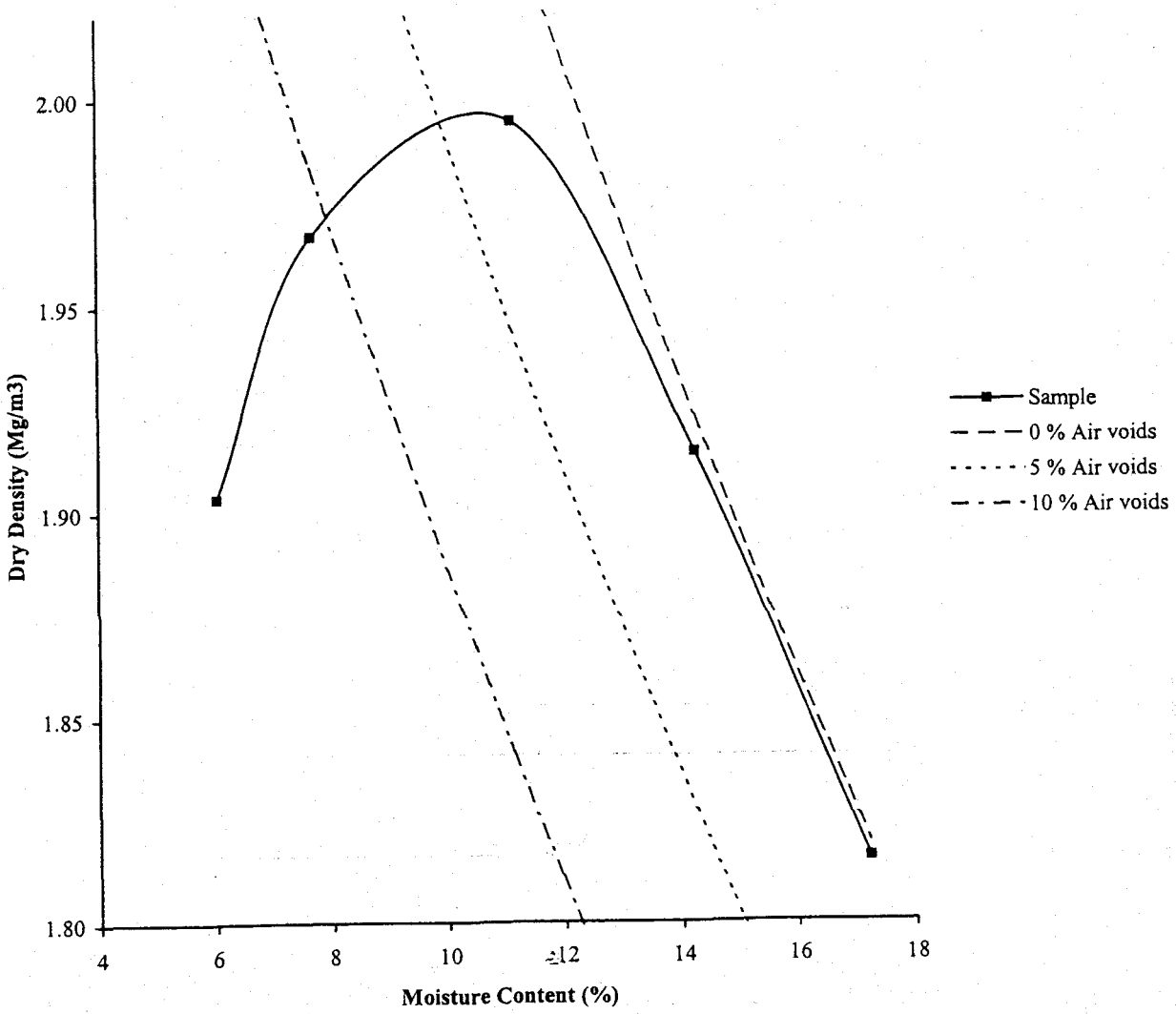
TG/7xxx/99 November 99 Issue 1

South Kirkby, WF9 3AP

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 72 **Depth (m) :** 0.50



Initial Moisture Content:	8	Method of Compaction	4.5 Kg Rammer / Separate	Sample
Particle Density (Mg/m3):	2.65	Actual	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		2.00	Material Retained on 20.0 mm Test Sieve (%):	24
Optimum Moisture Content (%):		11		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

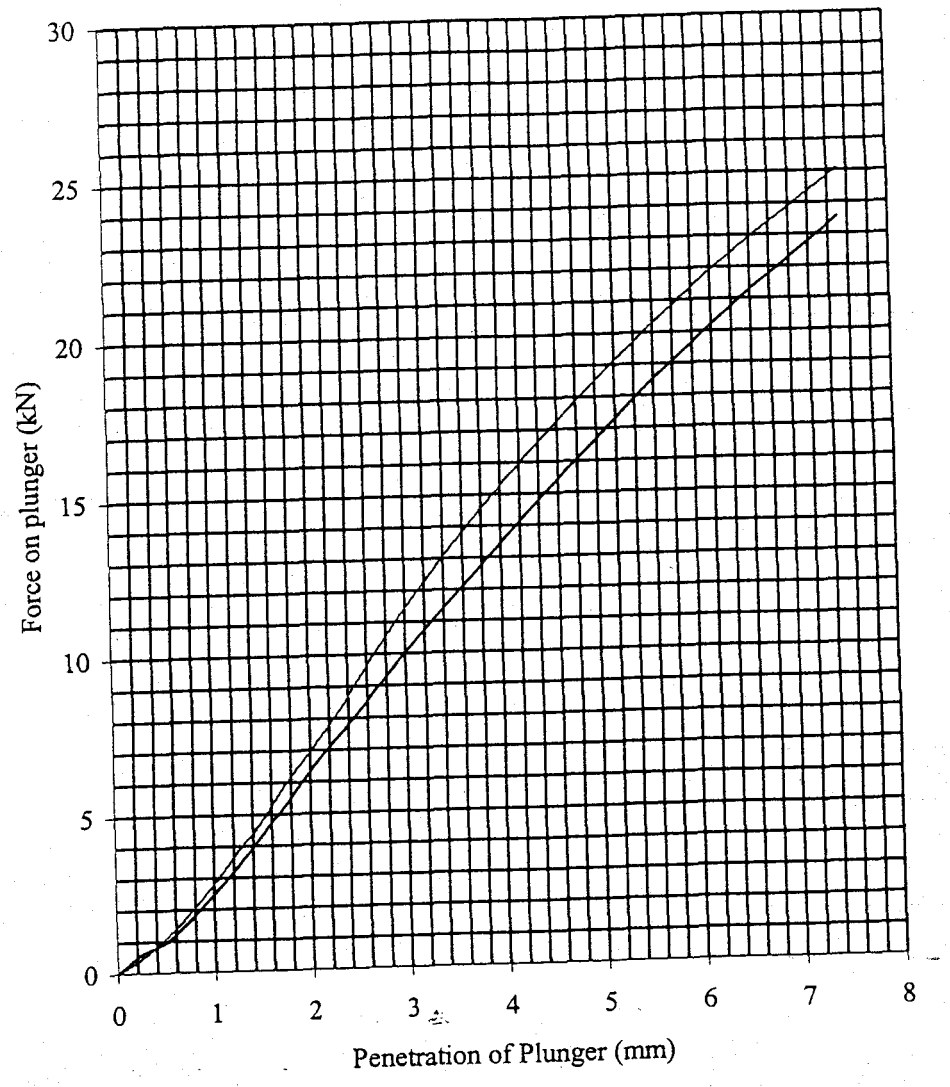
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 72 Depth (m) : 0.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	6.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.02	Soaking Time hrs	0	Sample Top	6.2	Sample Top	83.5
Dry Density Mg/m3:	1.90	Swelling mm:	0	Sample Bottom	6.2	Sample Bottom	92.4
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	24						

Checked by	Date	Approved By	Date
	26/4/01		26/4/01

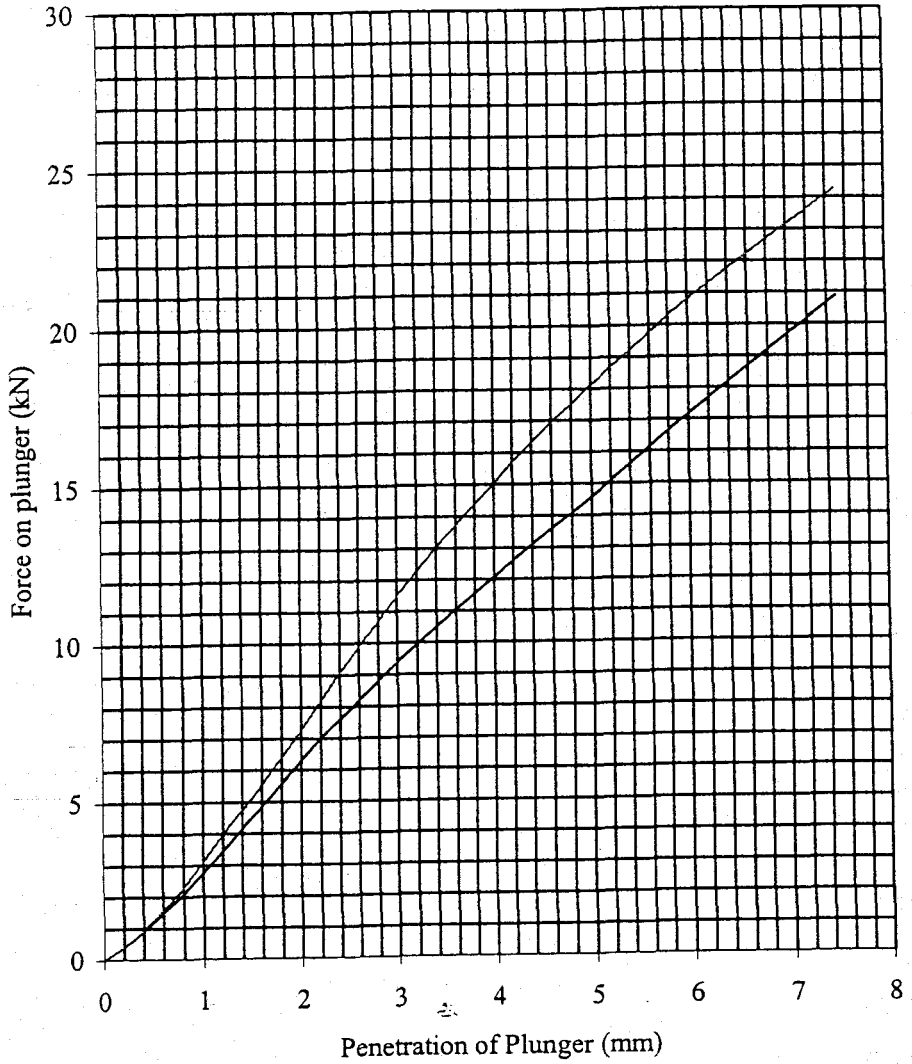
THYSSEN GEOTECHNICAL	**BICESTER.**	**Contract No. NL211004**

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 72 Depth (m) : 0.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	7.6	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.12	Soaking Time hrs	0	Sample Top	7.5	Sample Top	72.9
Dry Density Mg/m3:	1.97	Swelling mm:	0	Sample Bottom	7.7	Sample Bottom	90.6
Percentage retained on 20mm BS test sieve:	24	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

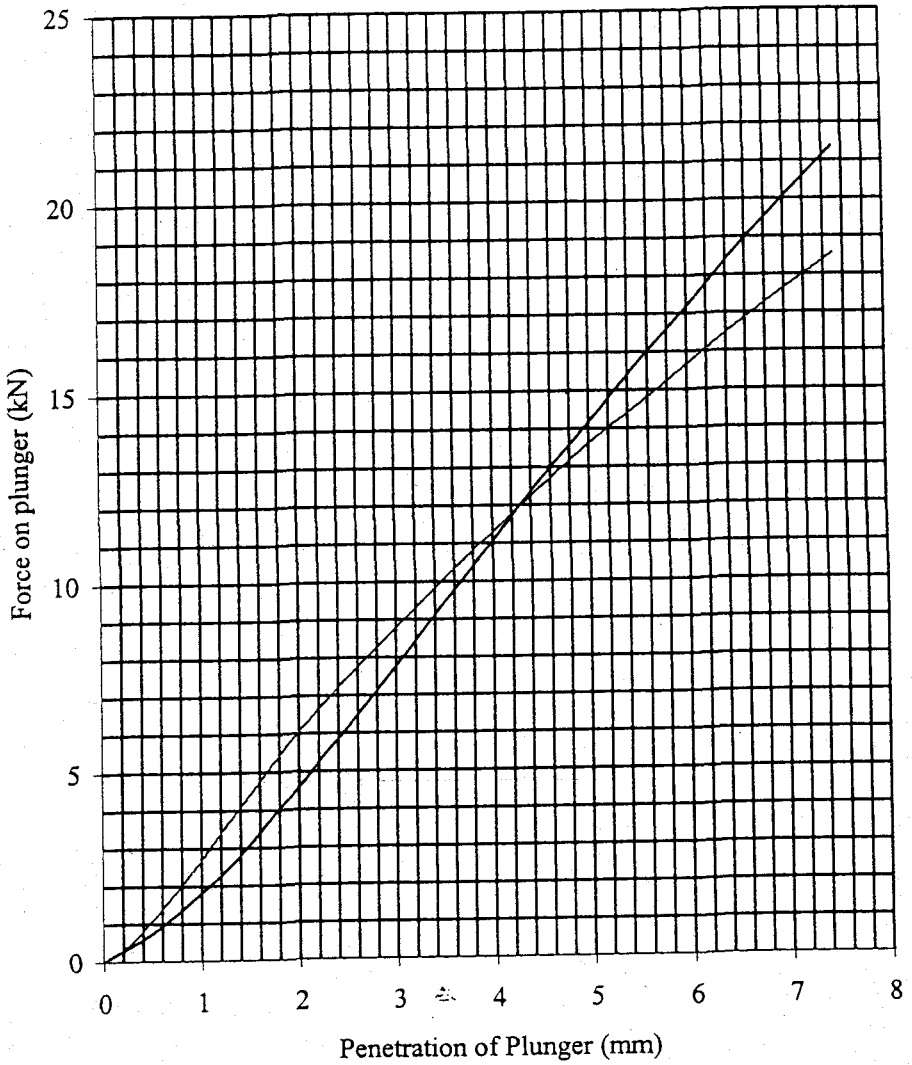
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 72 Depth (m) : 0.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	11.1	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.22	Soaking Time hrs	0	Sample Top	11.1	Sample Top	70.8
Dry Density Mg/m3:	1.99	Swelling mm:	0	Sample Bottom	11.1	Sample Bottom	68.1
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	24						

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

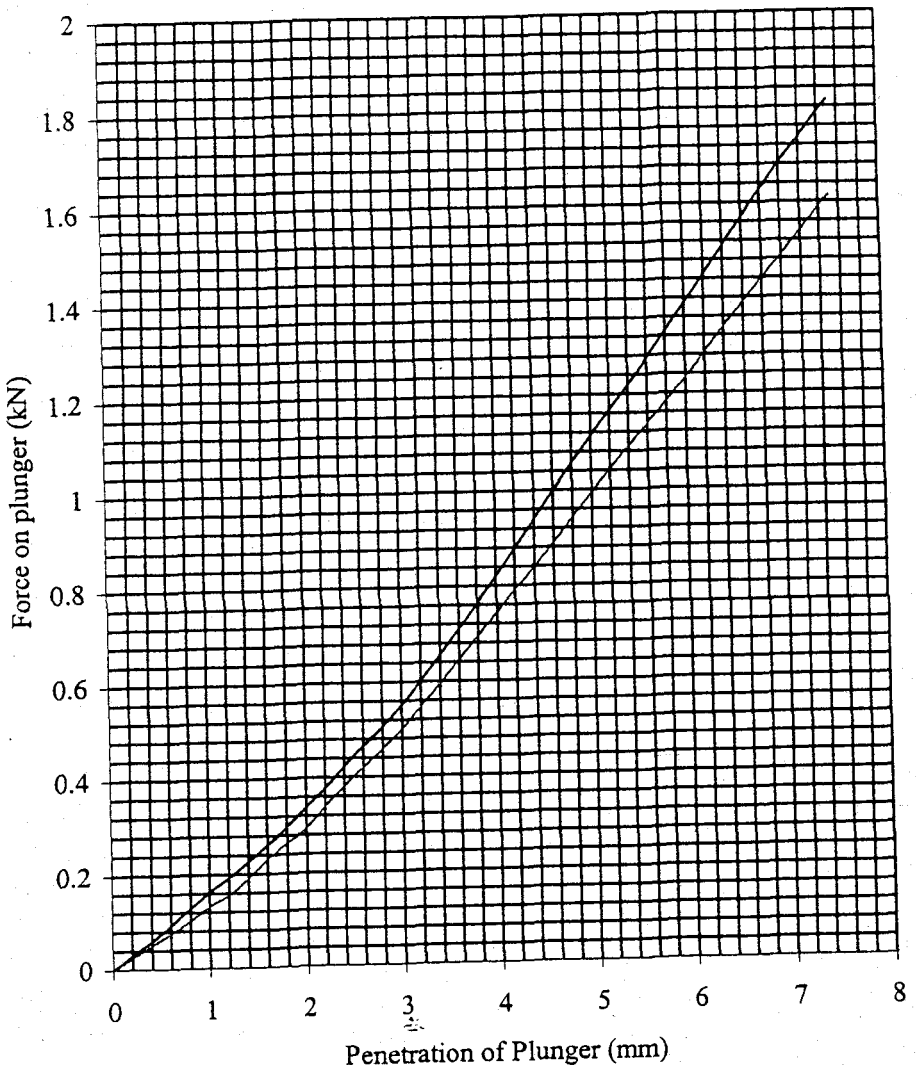
THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 72 Depth (m) : 0.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	14.3	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.19	Soaking Time hrs	0	Sample Top	14.3	Sample Top	5.6
Dry Density Mg/m3:	1.91	Swelling mm:	0	Sample Bottom	14.3	Sample Bottom	5.0
Percentage retained on 20mm BS test sieve:	24	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

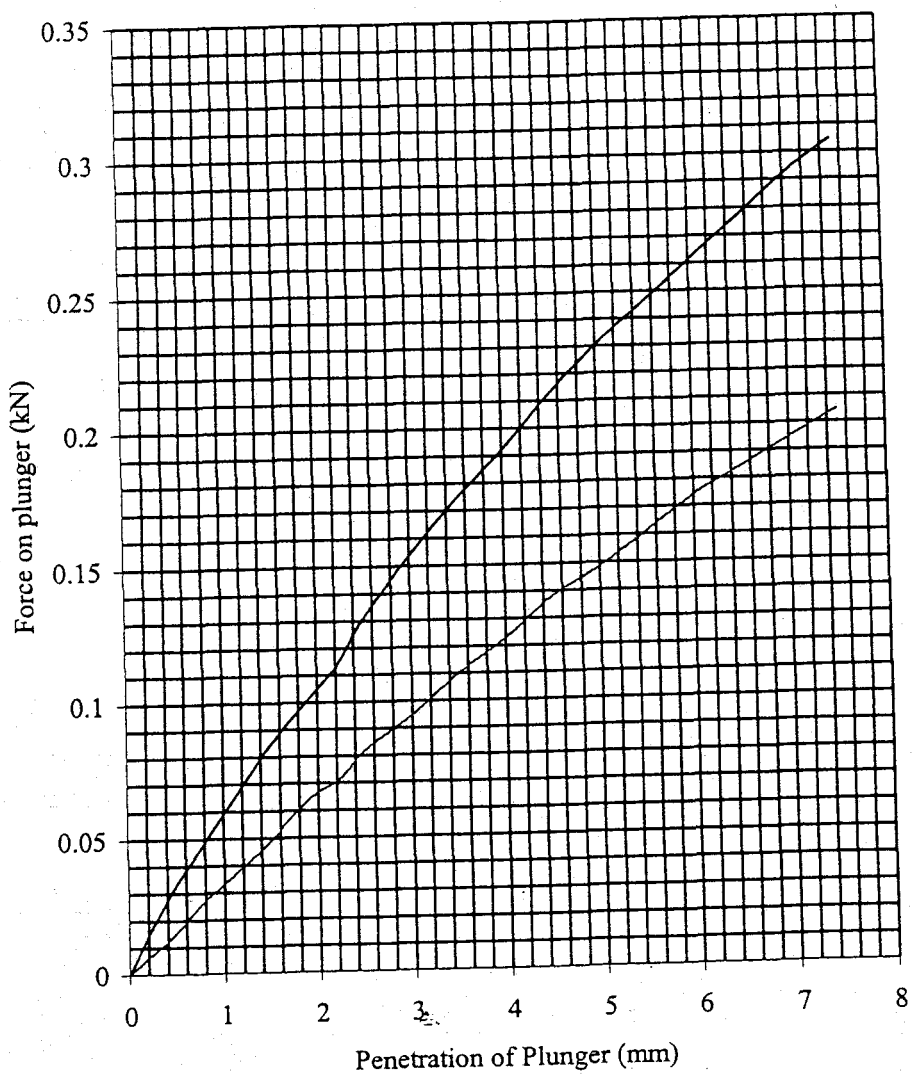
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 72 Depth (m) : 0.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	17.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.13	Soaking Time hrs	0	Sample Top	17.2	Sample Top	1.2
Dry Density Mg/m3:	1.82	Swelling mm:	0	Sample Bottom	17.2	Sample Bottom	0.7
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	24						

Checked by	Date	Approved By	Date
	26/9/99		26/9/99

THYSSEN GEOTECHNICAL

BICESTER.

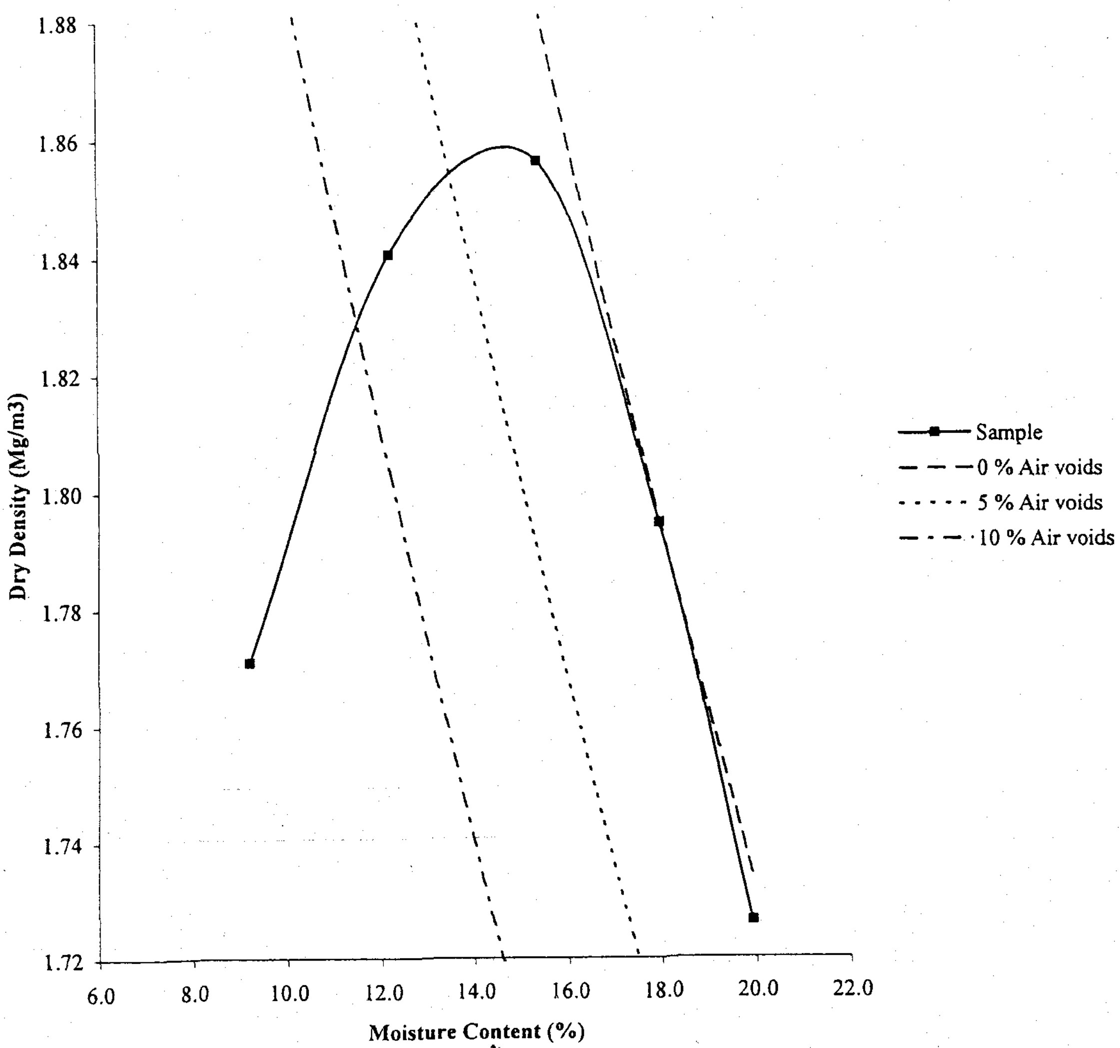
Contract No. NL211004

South Kirkby, WF9 3AP

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 16 **Depth (m) :** 2.60



Intial Moisture Content:	18	Method of Compaction 4.5 Kg Rammer / Separate Sample		
Particle Density (Mg/m3):	2.65 Actual	Material Retained on 37.5 mm Test Sieive (%):		0
Maximum Dry Density (mg/m3):	1.86	Material Retained on 20.0 mm Test Sieive (%):		0
Optimum Moisture Content (%):	15	Sample Preparation Clause :	3.2.6.1	
Remarks	See Summary of Soil Description.			

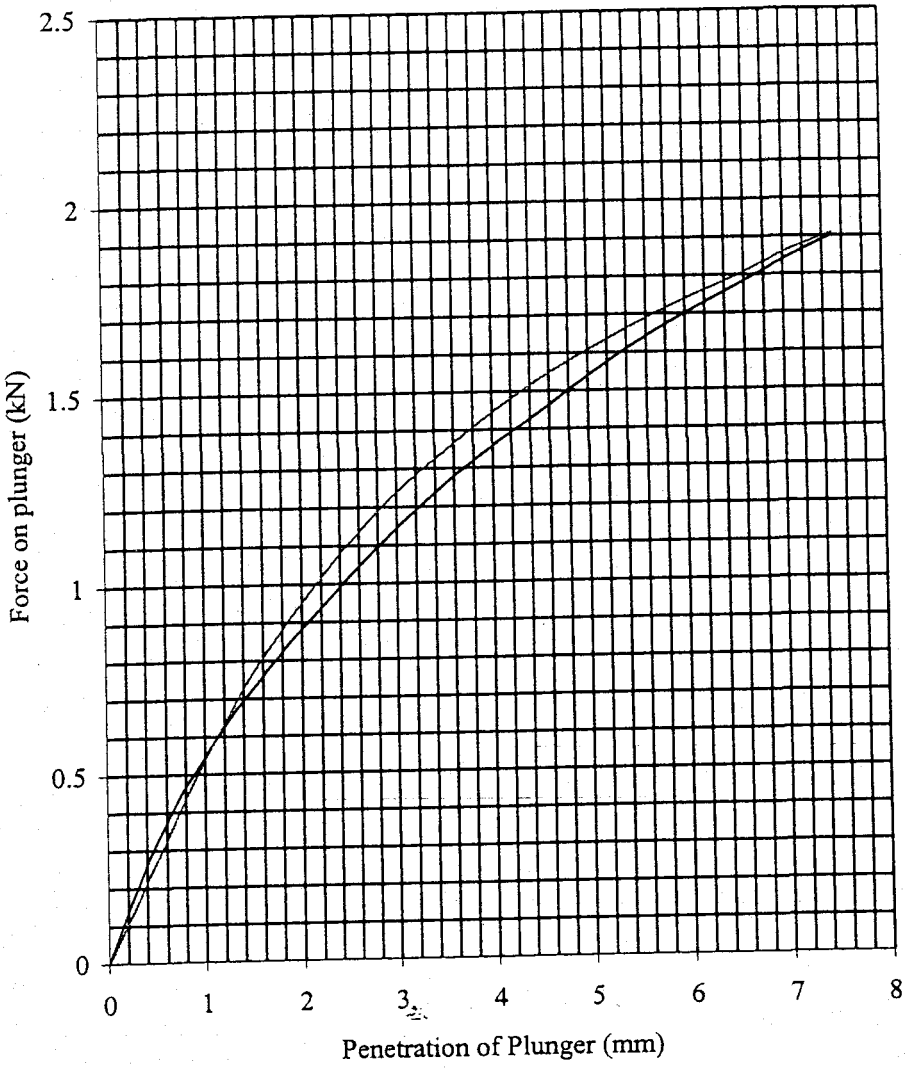
Checked By	Date	Approved By	Date
[signature]	26/9/01	[signature]	26/9/01

THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 16 Depth (m) : 2.60



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	18.0	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.12	Soaking Time hrs	0	Sample Top	17.4	Sample Top	7.7
Dry Density Mg/m3:	1.79	Swelling mm:	0	Sample Bottom	19.0	Sample Bottom	8.4
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	24/9/01		26/9/01

THYSSEN GEOTECHNICAL

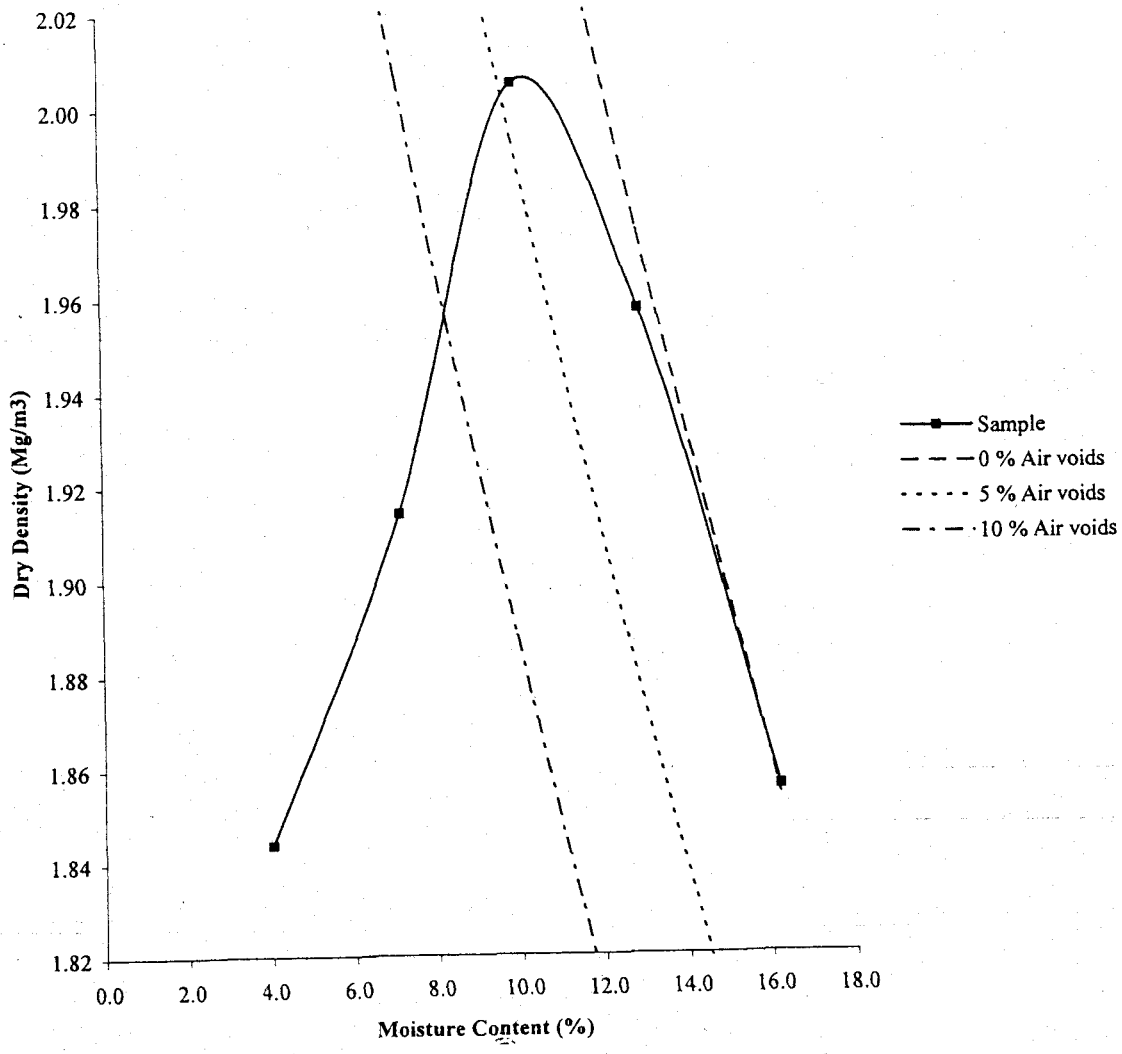
BICESTER.

Contract No. NL211004

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 24 **Depth (m) :** 0.70



Intial Moisture Content:	13	Method of Compaction	4.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.65	Measured	Material Retained on 37.5 mm Test Sieve (%):	17
Maximum Dry Density (mg/m3):		2.01	Material Retained on 20.0 mm Test Sieve (%):	32
Optimum Moisture Content (%):		10	Sample Preparation Clause :	Non-Standard
Remarks	See Summary of Soil Description.			

Checked By	Date	Approved By	Date
K Cu	26/9/01	K Cu	26/9/01

THYSSEN GEOTECHNICAL

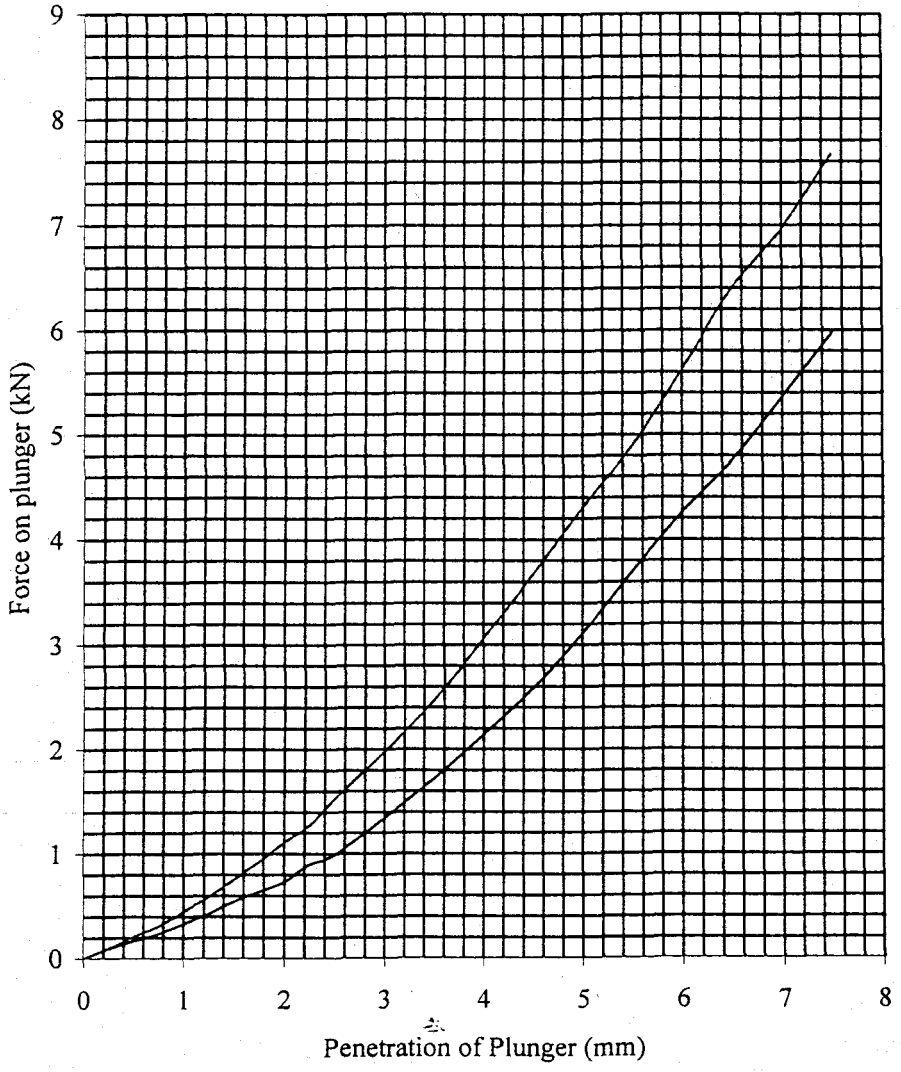
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 24 Depth (m) : 0.70



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	12.9	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.21	Soaking Time hrs	0	Sample Top	12.5	Sample Top	15.5
Dry Density Mg/m3:	1.96	Swelling mm:	0	Sample Bottom	13.3	Sample Bottom	21.5
Percentage retained on 20mm BS test sieve:	49	Remarks:	See Summary of Soil Description.				

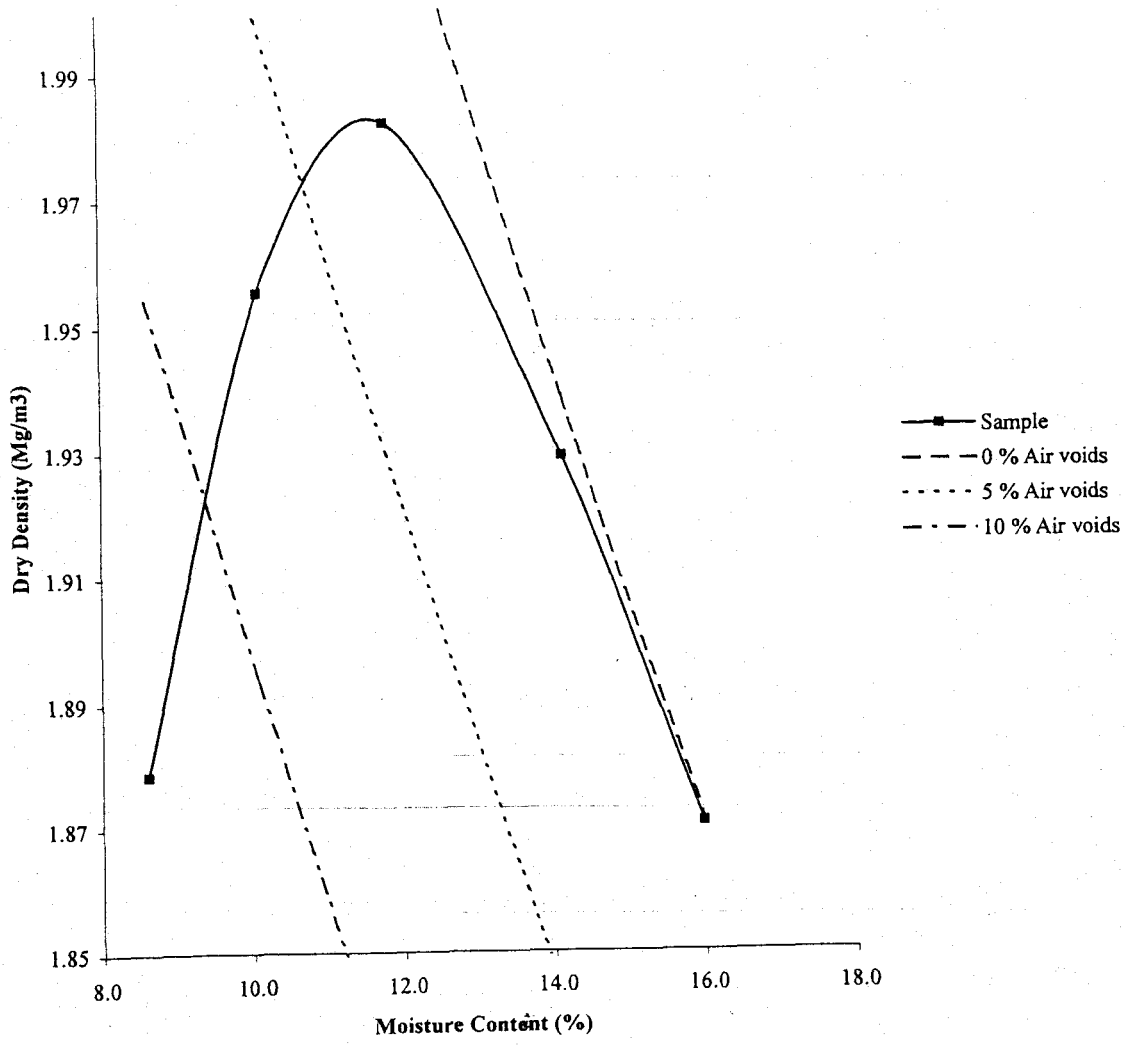
Checked by	Date	Approved By	Date
RC	26/9/01	RC	26/9/01

THYSSEN GEOTECHNICAL	BICESTER.	Contract No. NL211004

Dry Density /Moisture Content Relationship Test

Non - Compliance BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 56 **Depth (m) : 0.70**



Intial Moisture Content:	11	Method of Compaction	4.5 Kg Rammer / Single		Sample
Particle Density (Mg/m3):	2.67	Actual	Material Retained on 37.5 mm Test Sieive (%):		20
Maximum Dry Density (mg/m3):		1.98	Material Retained on 20.0 mm Test Sieive (%):		31
Optimum Moisture Content (%):		12	Sample Preparation Clause :	Non-Standard	
Remarks	See Summary of Soil Description.				

Checked By	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

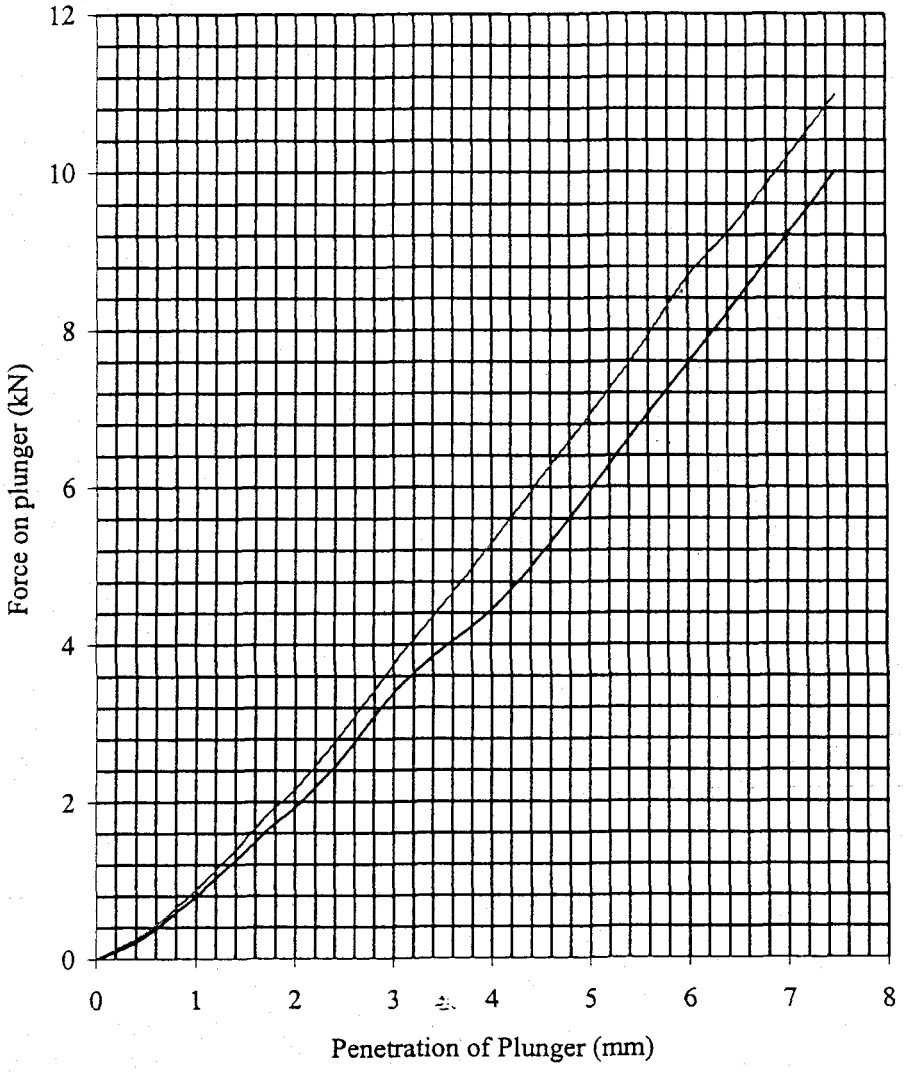
Contract No. NL211004

South Kirkby,WF3 9AP

California Bearing Ratio Test.

Non Compliance BS 1377 : Part 4 : 1990

Trial Pit Number 56 Depth (m) : 0.70



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	11.8	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.22	Soaking Time hrs	0	Sample Top	10.9	Sample Top	29.7
Dry Density Mg/m3:	1.98	Swelling mm:	0	Sample Bottom	12.1	Sample Bottom	34.6
Percentage retained on 20mm BS test sieve:	51	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

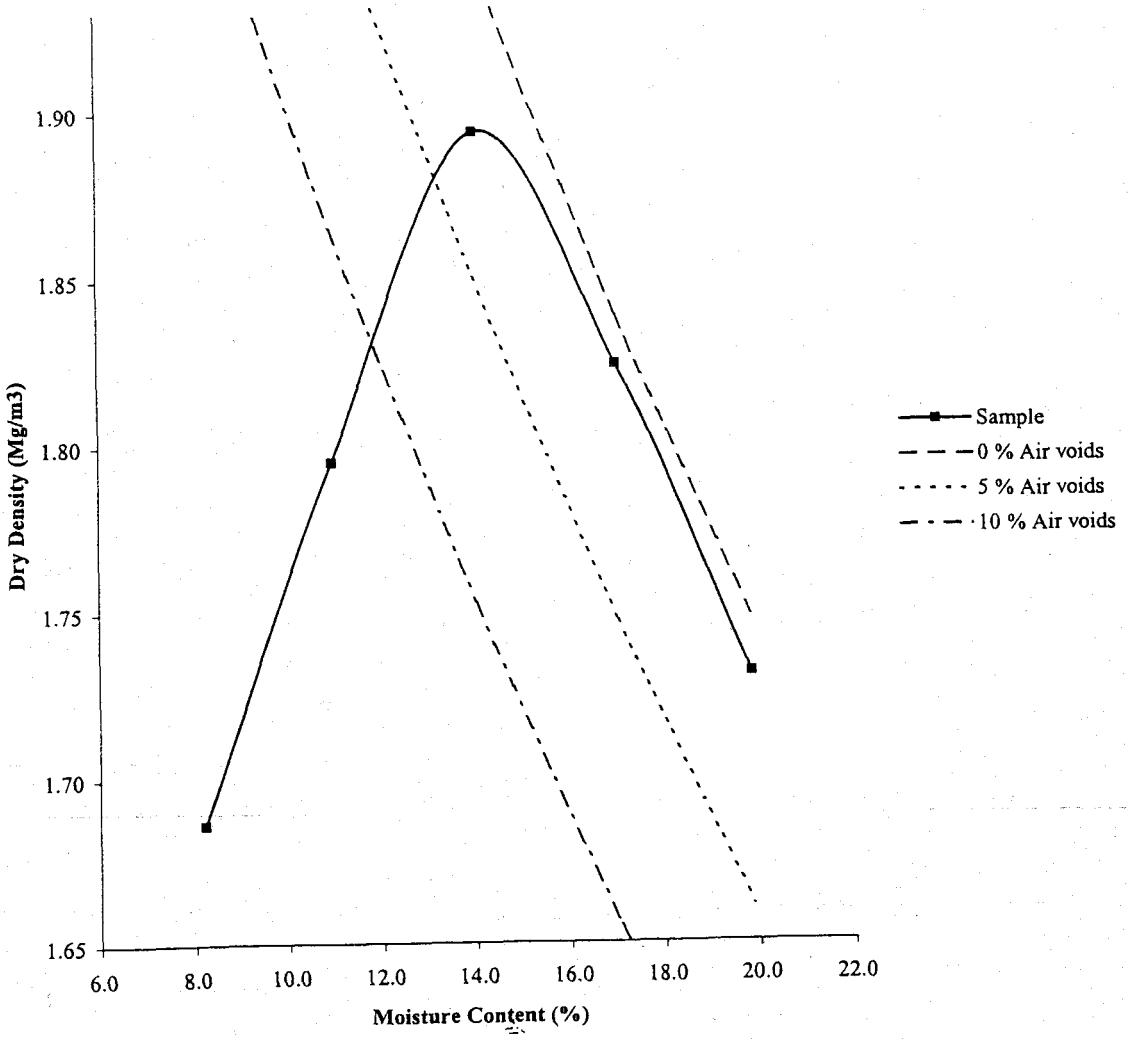
BICESTER.

Contract No. NL211004

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 74 **Depth (m) :** 0.30



Intial Moisture Content:	H	Method of Compaction	2.5 Kg Rammer / Separate	Sample
Particle Density (Mg/m3):	2.68	Actual	Material Retained on 37.5 mm Test Sieive (%):	0
Maximum Dry Density (mg/m3):		1.90	Material Retained on 20.0 mm Test Sieive (%):	0
Optimum Moisture Content (%):		14	Sample Preparation Clause :	3.2.6.1
Remarks	See Summary of Soil Description.			

Checked By	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

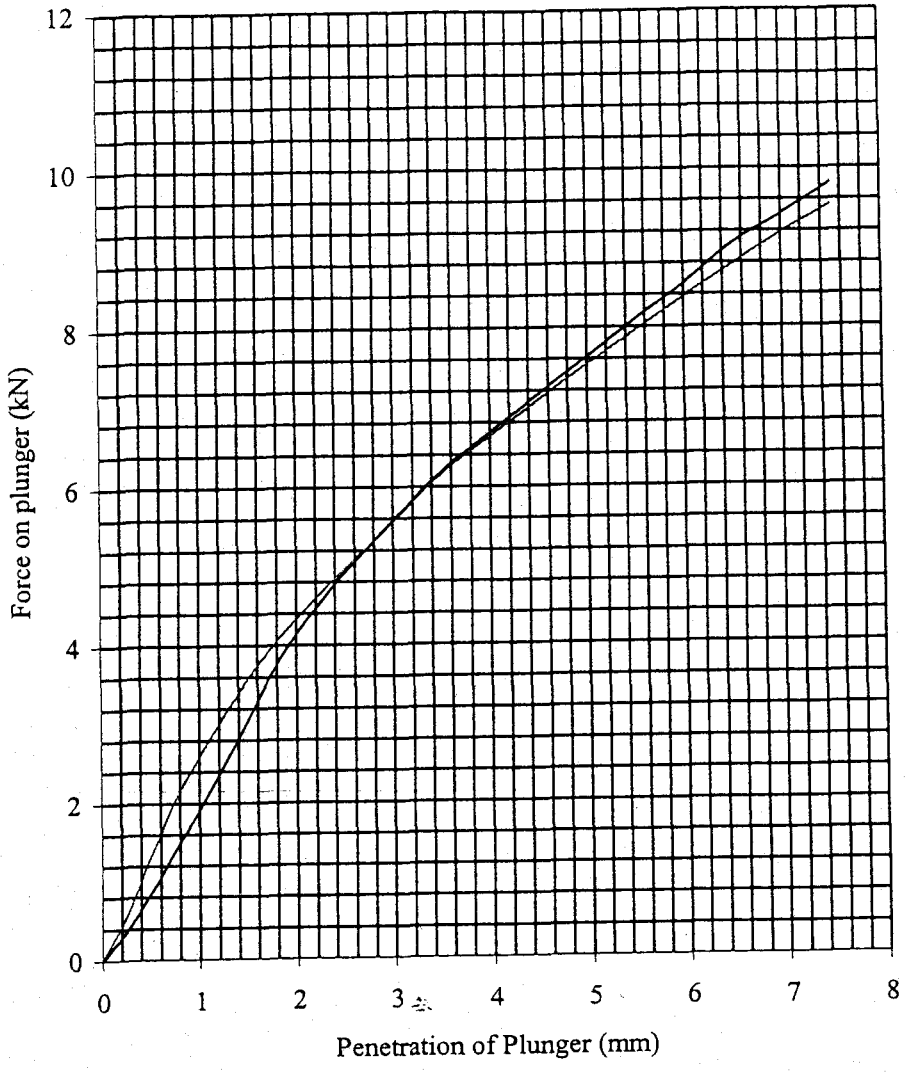
Contract No. NL211004

South Kirkby, WF3 9AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 74 Depth (m) : 0.30



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	10.9	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.99	Soaking Time hrs	0	Sample Top	10.9	Sample Top	38.1
Dry Density Mg/m3:	1.80	Swelling mm:	0	Sample Bottom	11.7	Sample Bottom	37.6
Percentage retained on 20mm		Remarks:	See Summary of Soil Description.				
BS test sieve:	0						

Checked by	Date	Approved By	Date
RC	26/4/00	RC	26/4/00

THYSSEN GEOTECHNICAL

BICESTER.

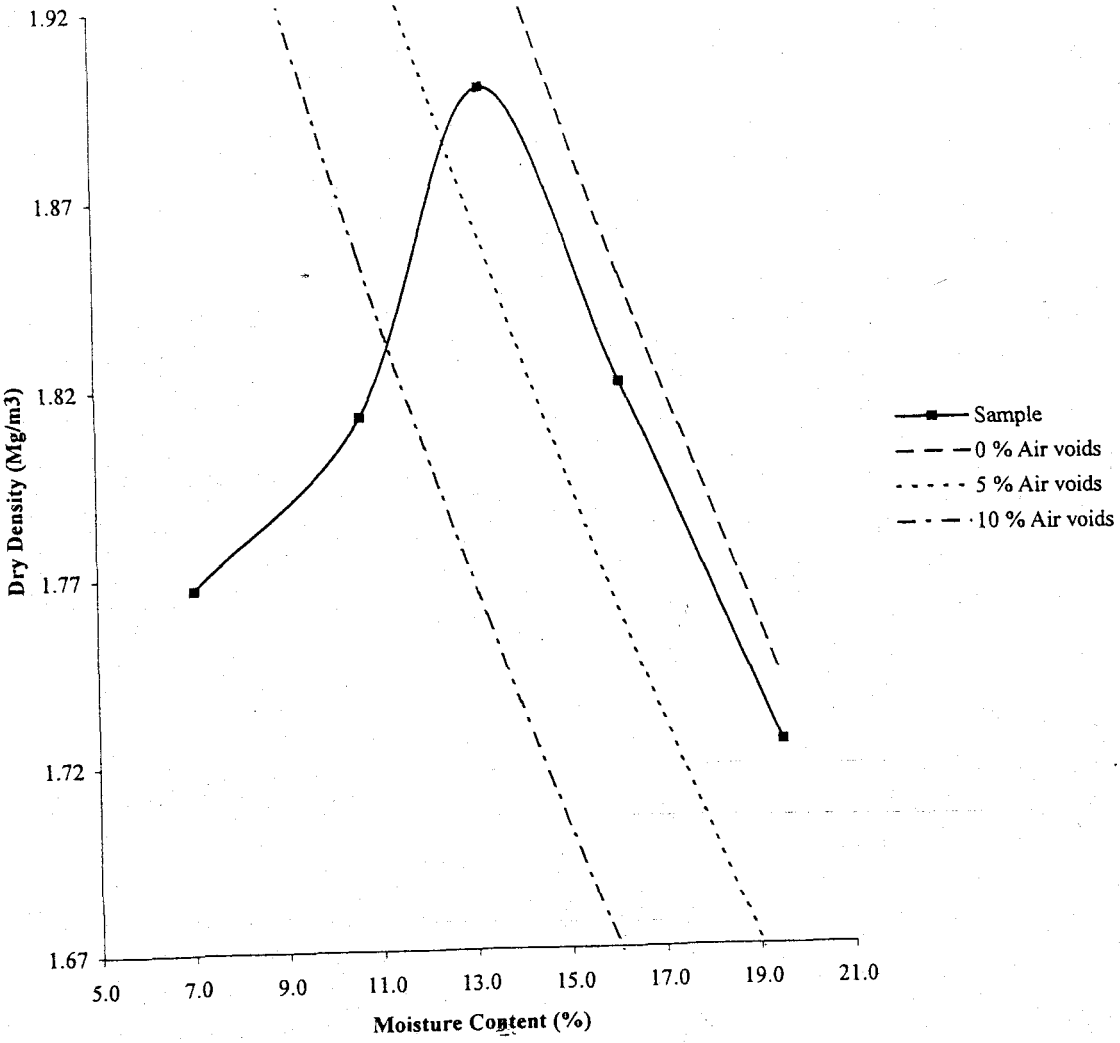
Contract No. NL211004

South Kirkby, WF9 3AP

Dry Density /Moisture Content Relationship Test

Non - Compliance BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 84 **Depth (m) : 1.50**



Intial Moisture Content:	15	Method of Compaction	2.5 Kg Rammer / Single	Sample
Particle Density (Mg/m3):	2.64	Actual	Material Retained on 37.5 mm Test Sieive (%):	54
Maximum Dry Density (mg/m3):		1.90	Material Retained on 20.0 mm Test Sieive (%):	14
Optimum Moisture Content (%):		13	Sample Preparation Clause :	Non-Standard
Remarks	See Summary of Soil Description.			

Checked By	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

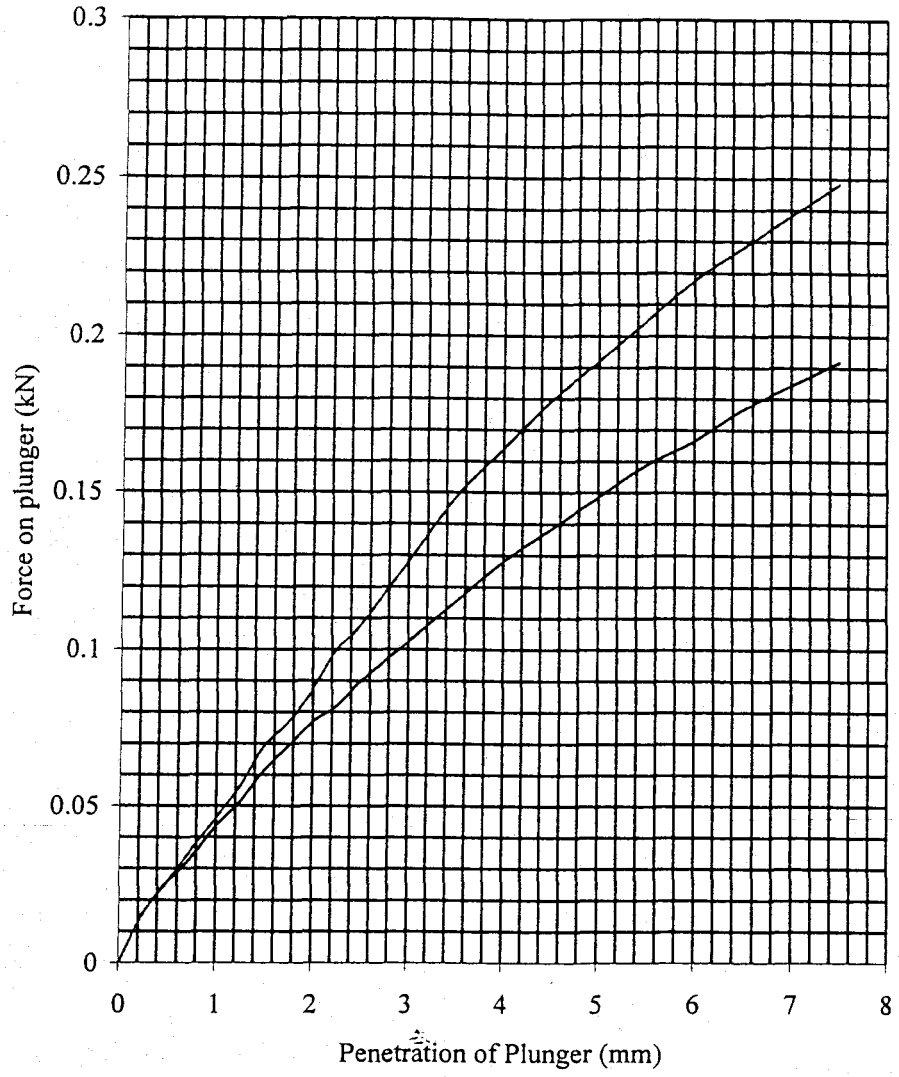
Contract No. NL211004

South Kirkby,WF3 9AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 84 Depth (m) : 1.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	15.5	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3	2.15	Soaking Time hrs	0	Sample Top	19.9	Sample Top	0.7
Dry Density Mg/m3:	1.86	Swelling mm:	0	Sample Bottom	15.2	Sample Bottom	1.0
Percentage retained on 20mm BS test sieve:	14	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

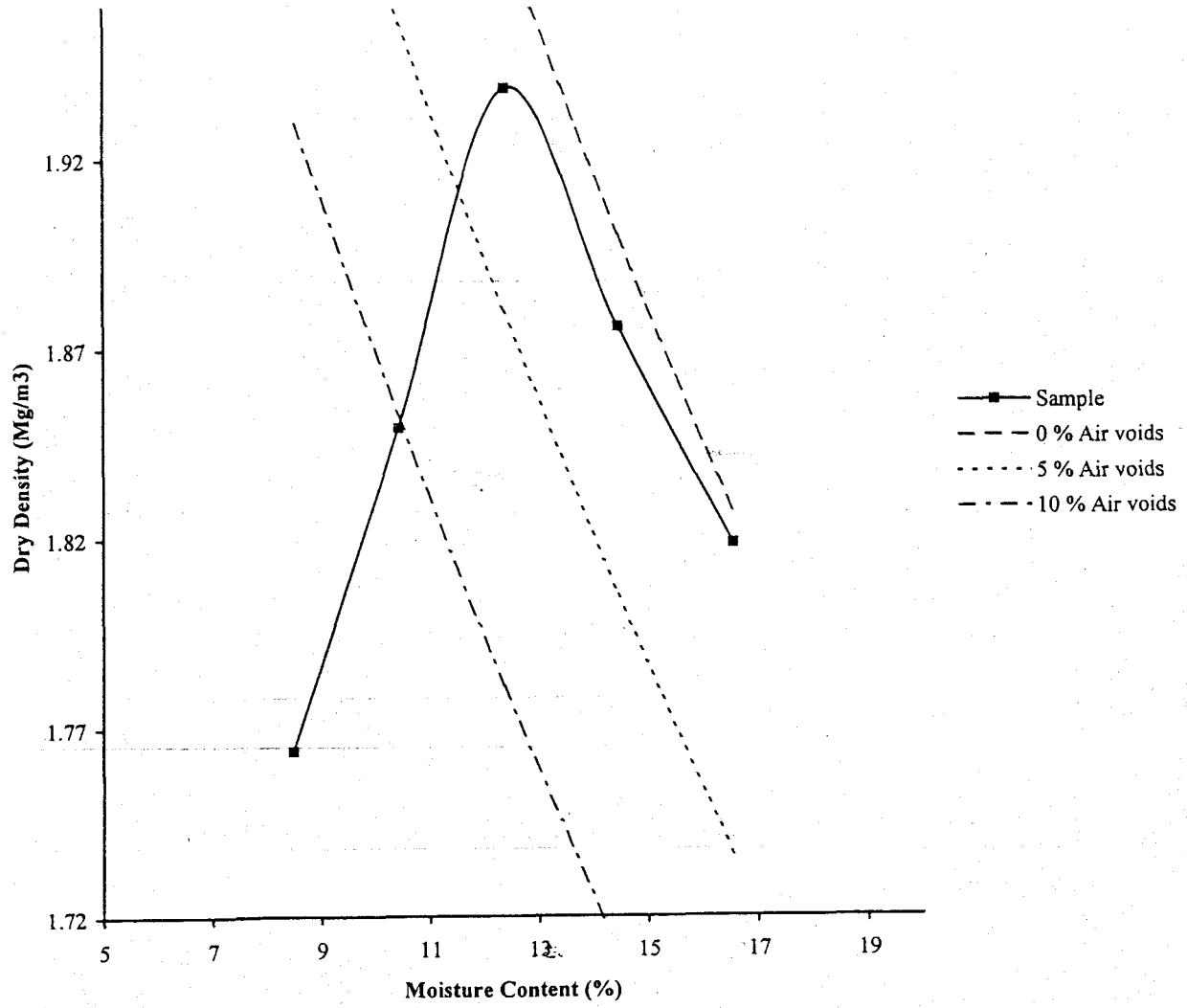
BICESTER.

Contract No. NL21004

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 89 **Depth (m) : 0.90**



Initial Moisture Content:	19	Method of Compaction	2.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.62	Actual	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.94	Material Retained on 20.0 mm Test Sieve (%):	0
Optimum Moisture Content (%):		12		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

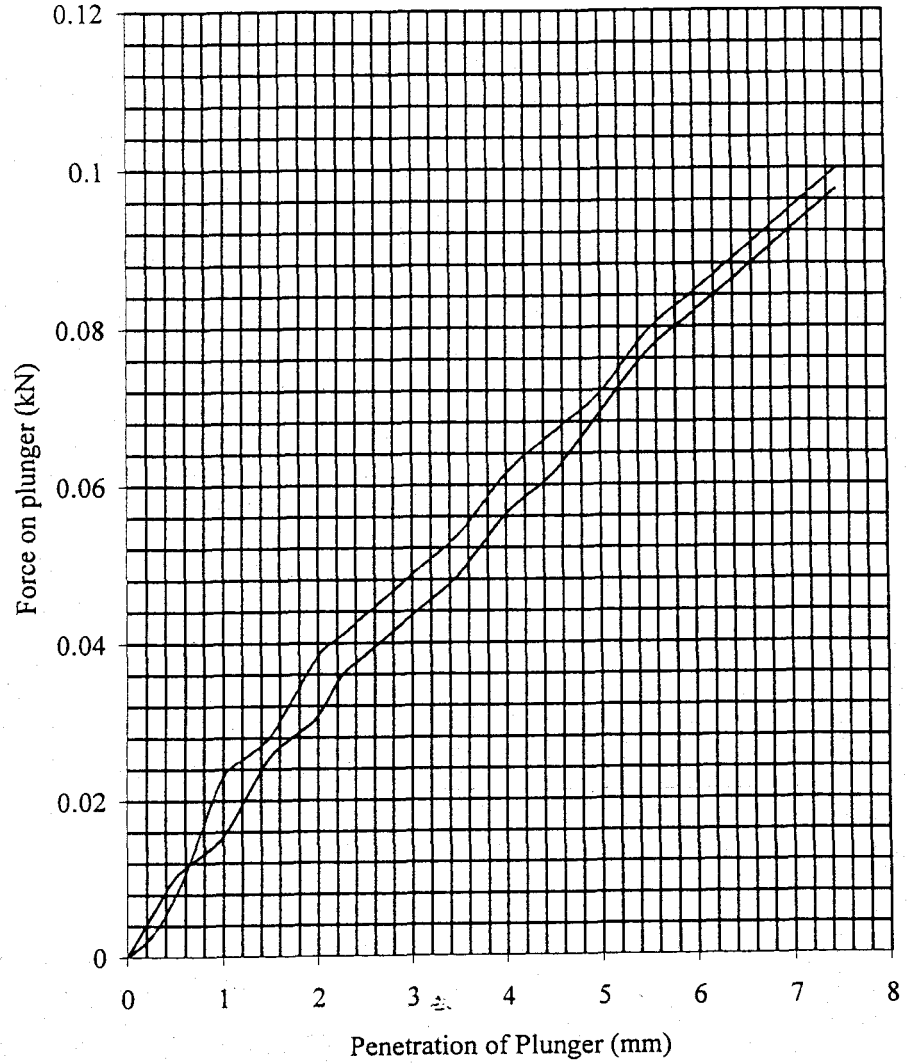
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 89 Depth (m) : 0.90



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	18.4	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.06	Soaking Time hrs	0	Sample Top	18.4	Sample Top	0.3
Dry Density Mg/m3:	1.74	Swelling mm:	0	Sample Bottom	18.4	Sample Bottom	0.4
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

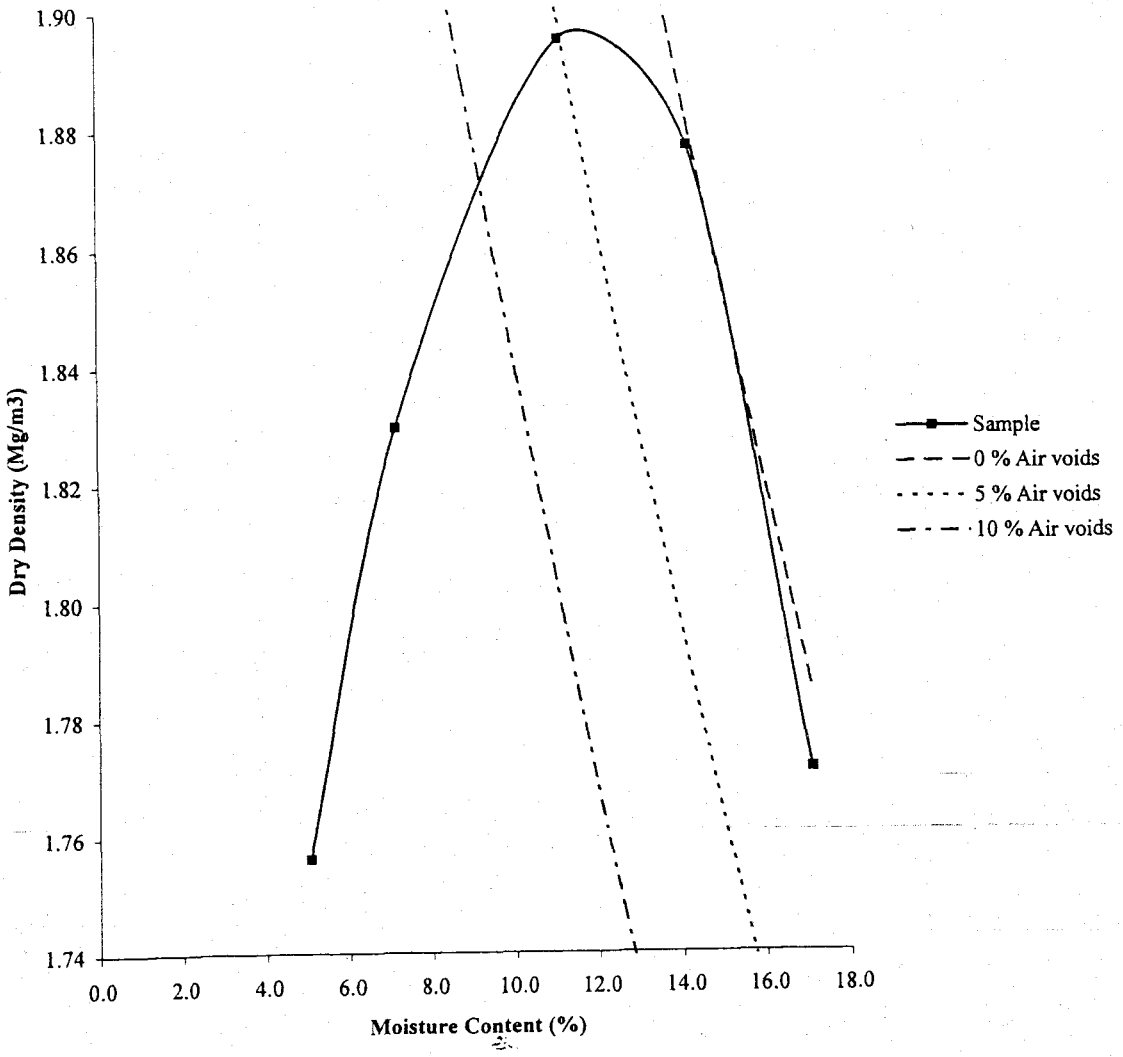
BICESTER.

Contract No. NL211004

Dry Density /Moisture Content Relationship Test

Non - Compliance BS 1377 : Part 4 : 1990

Trial Pit \Sample Number 35 **Depth (m) :** 0.50



Intial Moisture Content:	11	Method of Compaction	4.5 Kg Rammer / Single	Sample
Particle Density (Mg/m3):	2.57	Actual	Material Retained on 37.5 mm Test Sieive (%):	25
Maximum Dry Density (mg/m3):		1.90	Material Retained on 20.0 mm Test Sieive (%):	14
Optimum Moisture Content (%):		12	Sample Preparation Clause :	Non-Standard
Remarks	See Summary of Soil Description.			

Checked By	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

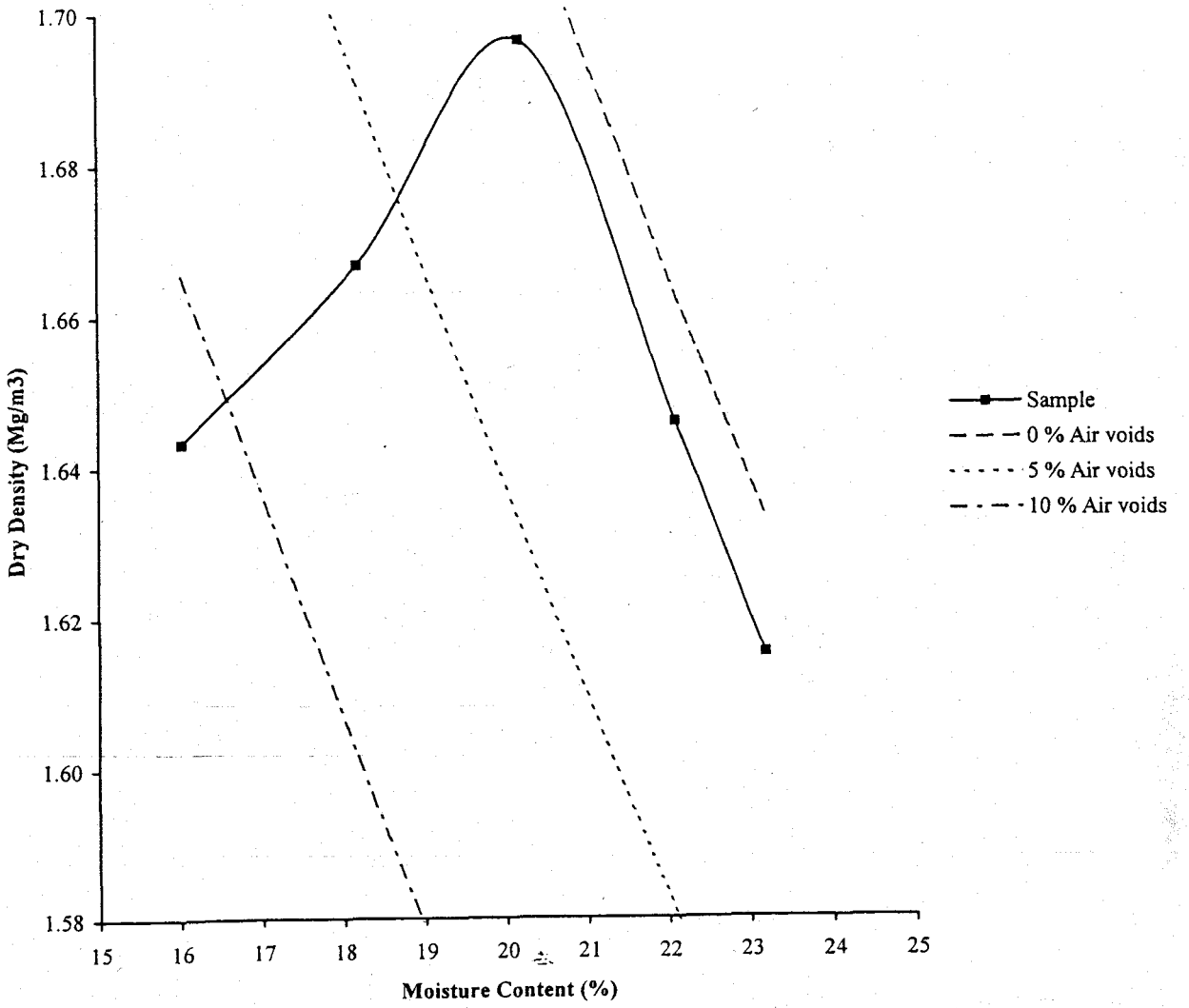
Contract No. NL211004

South Kirkby, WF3 9AP

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 73 **Depth (m) :** 0.40



Initial Moisture Content:	18	Method of Compaction	2.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.63	Actual	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.70	Material Retained on 20.0 mm Test Sieve (%):	1
Optimum Moisture Content (%):		20		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
RC	26/9/01	RC	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

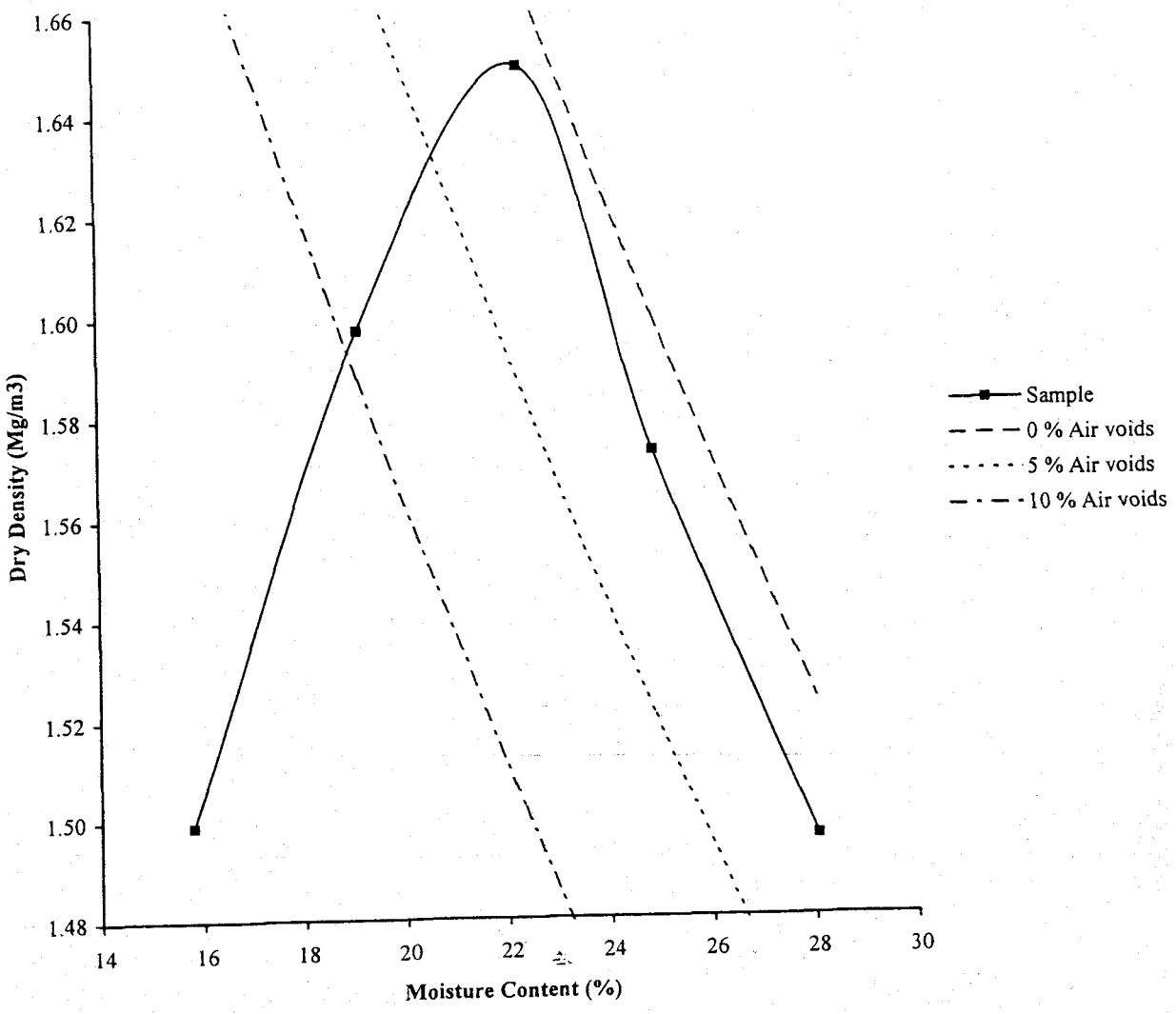
Contract No. NL211004

South Kirkby, WF3 9AP

Dry Density /Moisture Content Relationship Test

BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 73 **Depth (m) :** 0.80



Initial Moisture Content:	19	Method of Compaction	2.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.66	Measured	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.65	Material Retained on 20.0 mm Test Sieve (%):	0
Optimum Moisture Content (%):		22		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
RC	24/9/01	RC	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

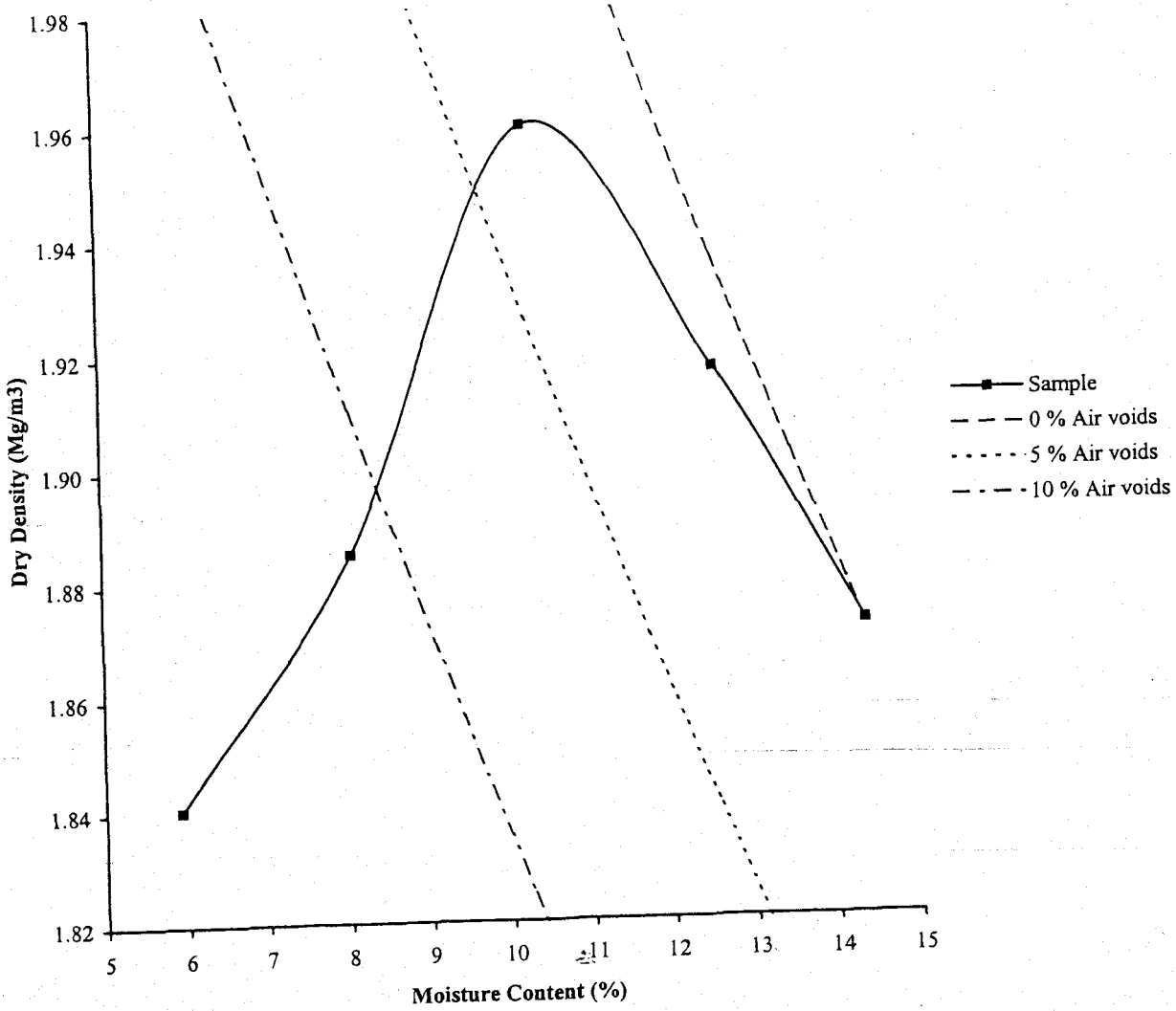
Contract No. NL211004

South Kirkby, WF3 9AP

Dry Density /Moisture Content Relationship Test

Non Compliance BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 79 **Depth (m) :** 0.50



Initial Moisture Content:	13	Method of Compaction	4.5 Kg Rammer / Separate	Sample
Particle Density (Mg/m3):	2.56	Measured	Material Retained on 37.5 mm Test Sieve (%):	0
Maximum Dry Density (mg/m3):		1.96	Material Retained on 20.0 mm Test Sieve (%):	34
Optimum Moisture Content (%):		10		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
K Cu	26/9/01	K Cu	26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

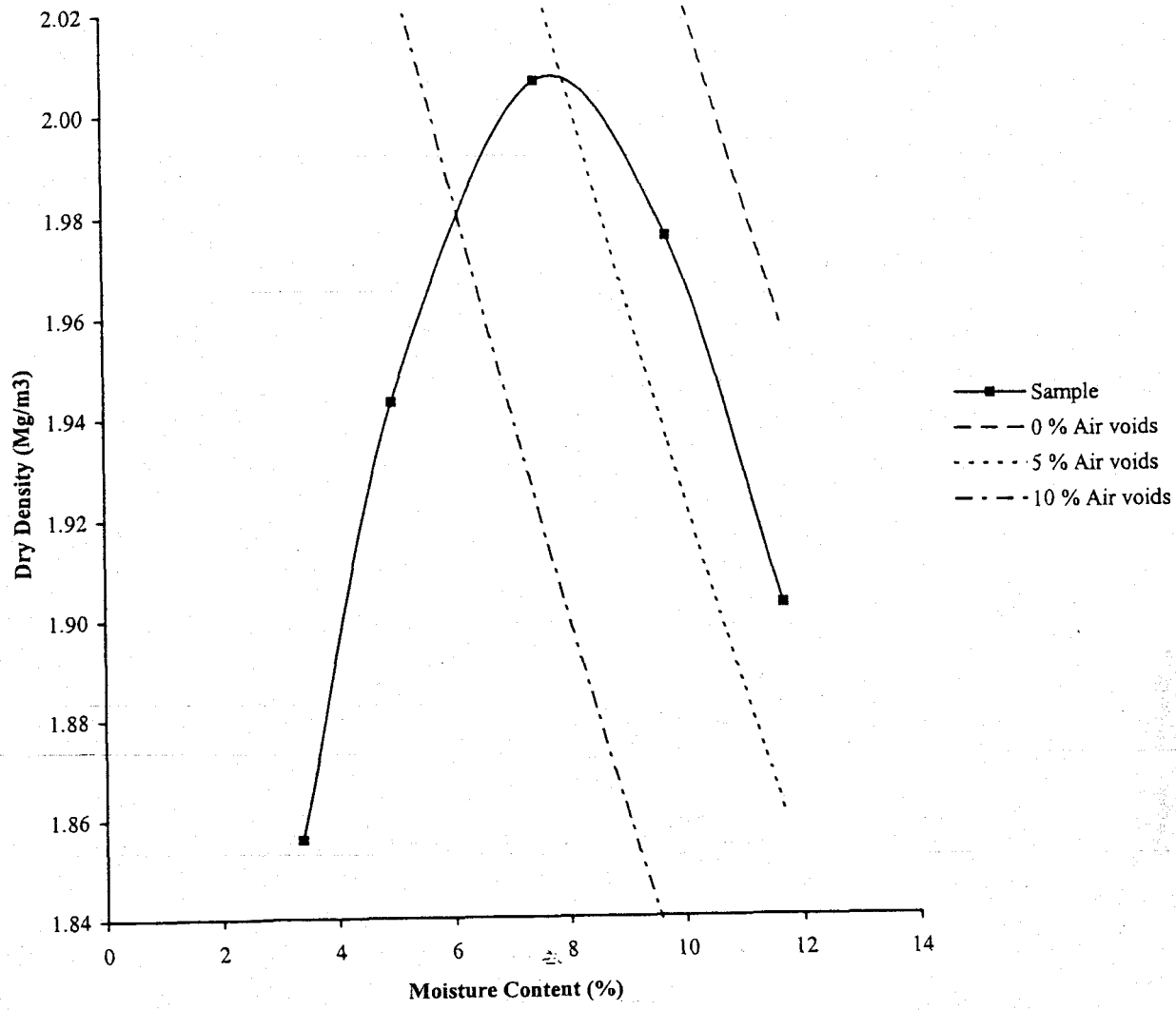
Contract No. NL211004

South Kirkby, WF3 9AP

Dry Density /Moisture Content Relationship Test

Non Compliance BS 1377 : Part 4 : 1990

Trial Pit /Sample Number : 79 **Depth (m) :** 0.90



Initial Moisture Content:	10	Method of Compaction	4.5 Kg Rammer / Separate Sample	
Particle Density (Mg/m3):	2.54	Measured	Material Retained on 37.5 mm Test Sieve (%):	22
Maximum Dry Density (mg/m3):		2.01	Material Retained on 20.0 mm Test Sieve (%):	10
Optimum Moisture Content (%):		8		
Remarks	See summary of soil descriptions.			

Checked By	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

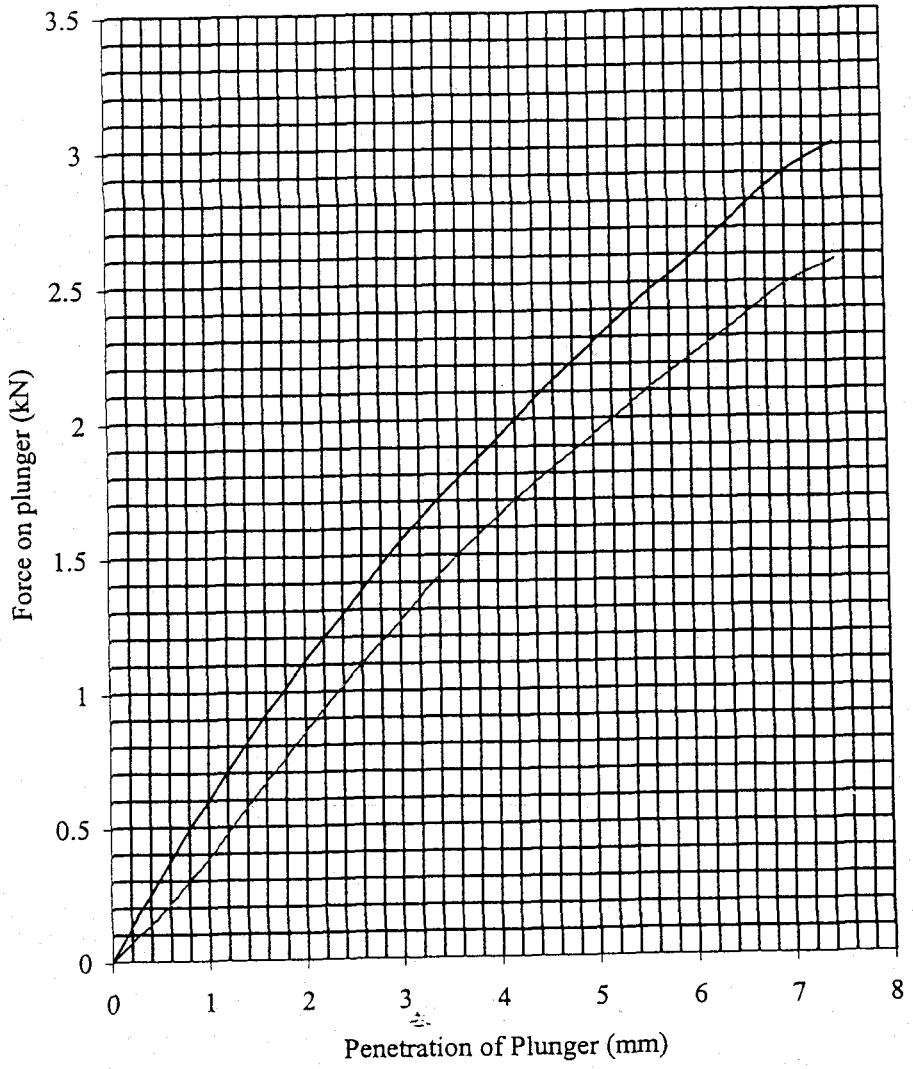
Contract No. NL211004

South Kirkby, WF3 9AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 63A Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	19.2	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.06	Soaking Time hrs	0	Sample Top	18.7	Sample Top	11.4
Dry Density Mg/m3:	1.73	Swelling mm:	0	Sample Bottom	19.4	Sample Bottom	9.7
Percentage retained on 20mm BS test sieve:	7	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

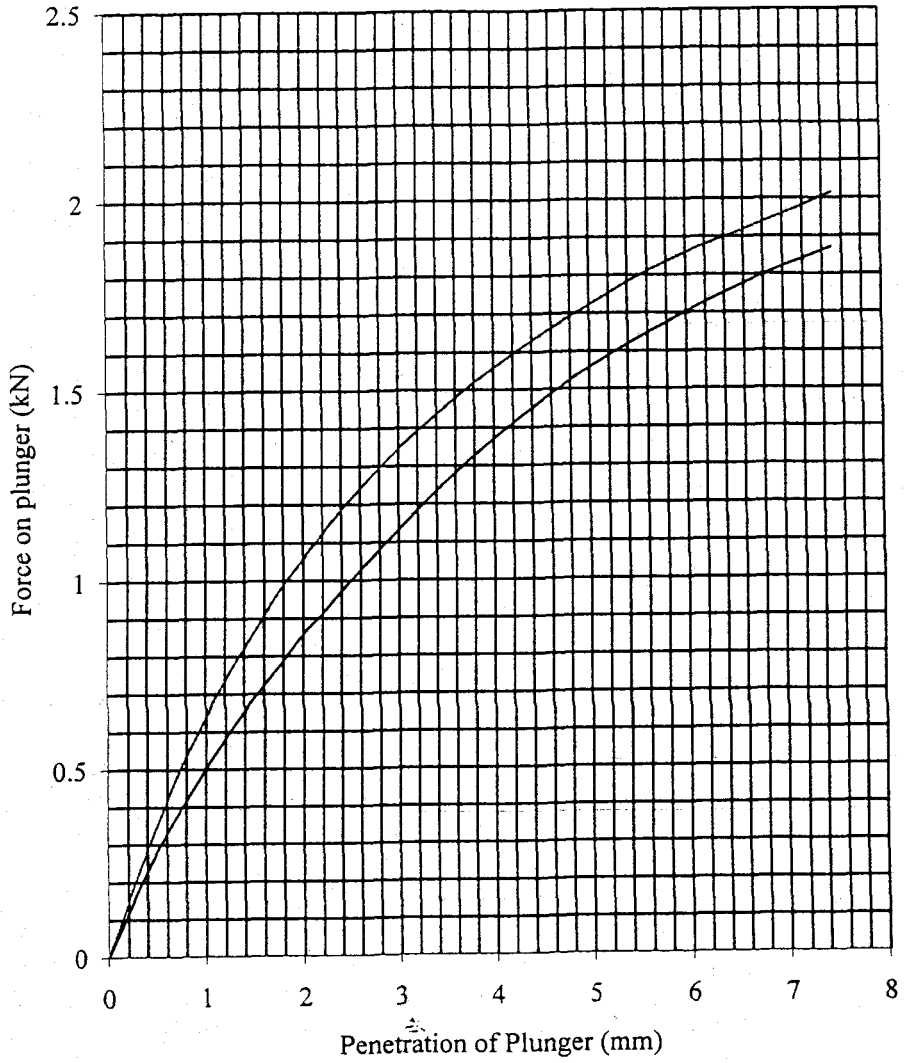
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 67 Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		2.5 Kg Rammer	
Moisture Content:	18.7	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.03	Soaking Time hrs	0	Sample Top	19.5	Sample Top	7.8
Dry Density Mg/m3:	1.71	Swelling mm:	0	Sample Bottom	19.8	Sample Bottom	9.2
Percentage retained on 20mm		Remarks: See Summary of Soil Description.					
BS test sieve:	0						

Checked by	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

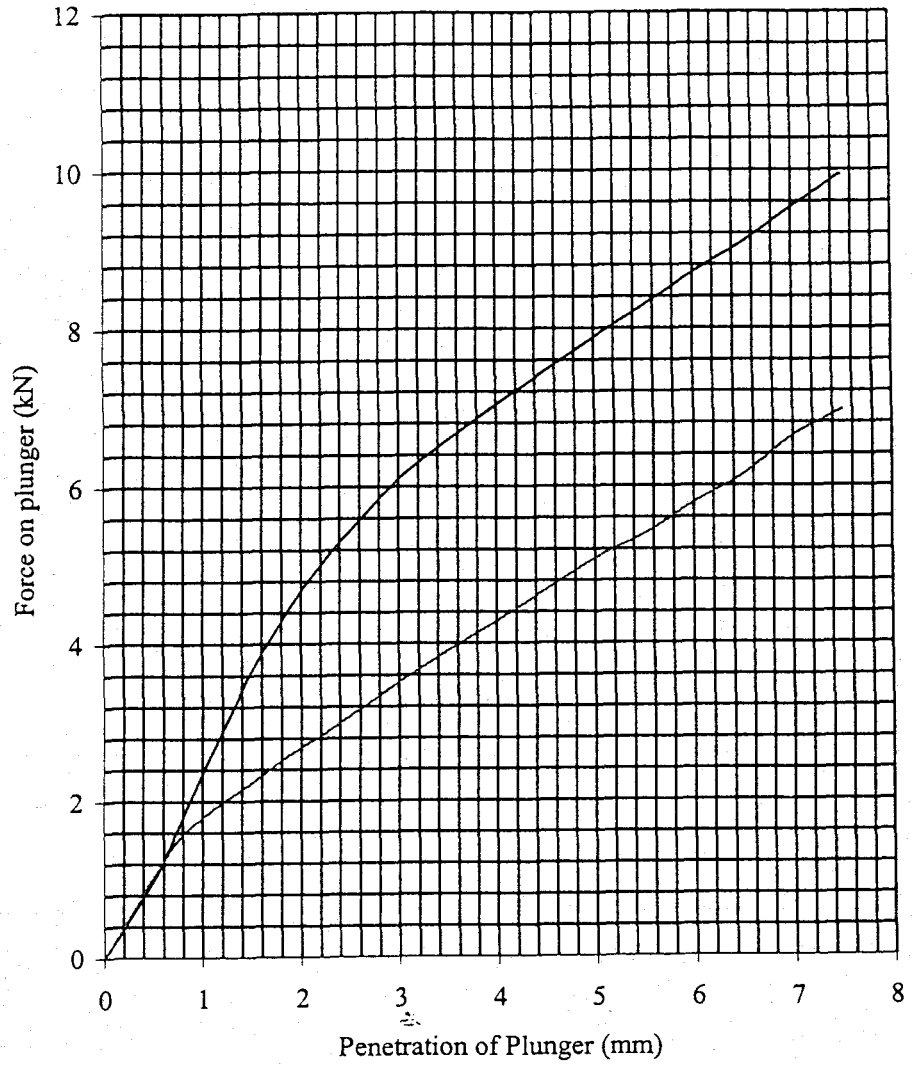
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 82 Depth (m) : 0.30



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	8.4	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	2.08	Soaking Time hrs	0	Sample Top	7.6	Sample Top	41.2
Dry Density Mg/m3:	1.92	Swelling mm:	0	Sample Bottom	9.8	Sample Bottom	25.4
Percentage retained on 20mm BS test sieve:	21	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
R Cu	26/9/01	R Cu	26/9/01

THYSSEN GEOTECHNICAL

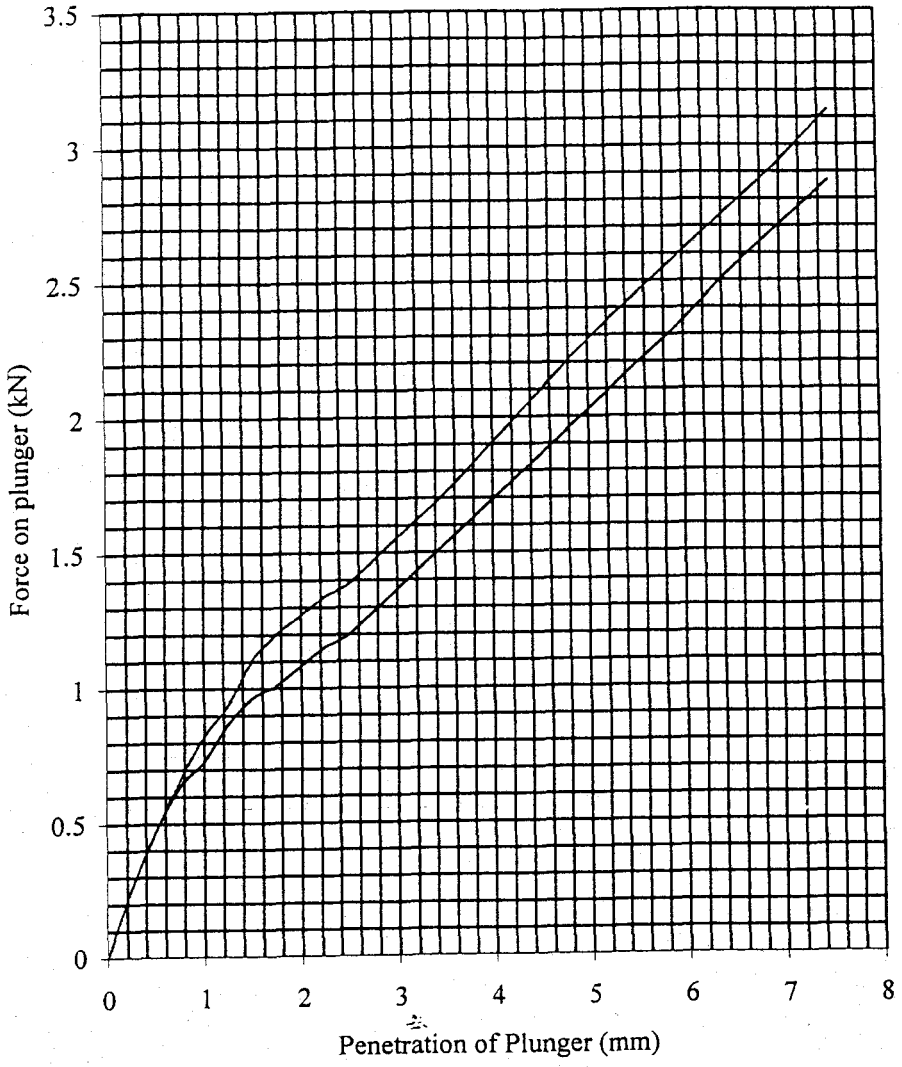
BICESTER.

Contract No. NL211004

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 86 Depth (m) : 0.50



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	24.3	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.96	Soaking Time hrs	0	Sample Top	26.3	Sample Top	10.1
Dry Density Mg/m3:	1.58	Swelling mm:	0	Sample Bottom	25.3	Sample Bottom	11.4
Percentage retained on 20mm BS test sieve:	0	Remarks:	See Summary of Soil Description.				

Checked by	Date	Approved By	Date
R Cu	26/4/01	R Cu	26/4/01

THYSSEN GEOTECHNICAL

BICESTER.

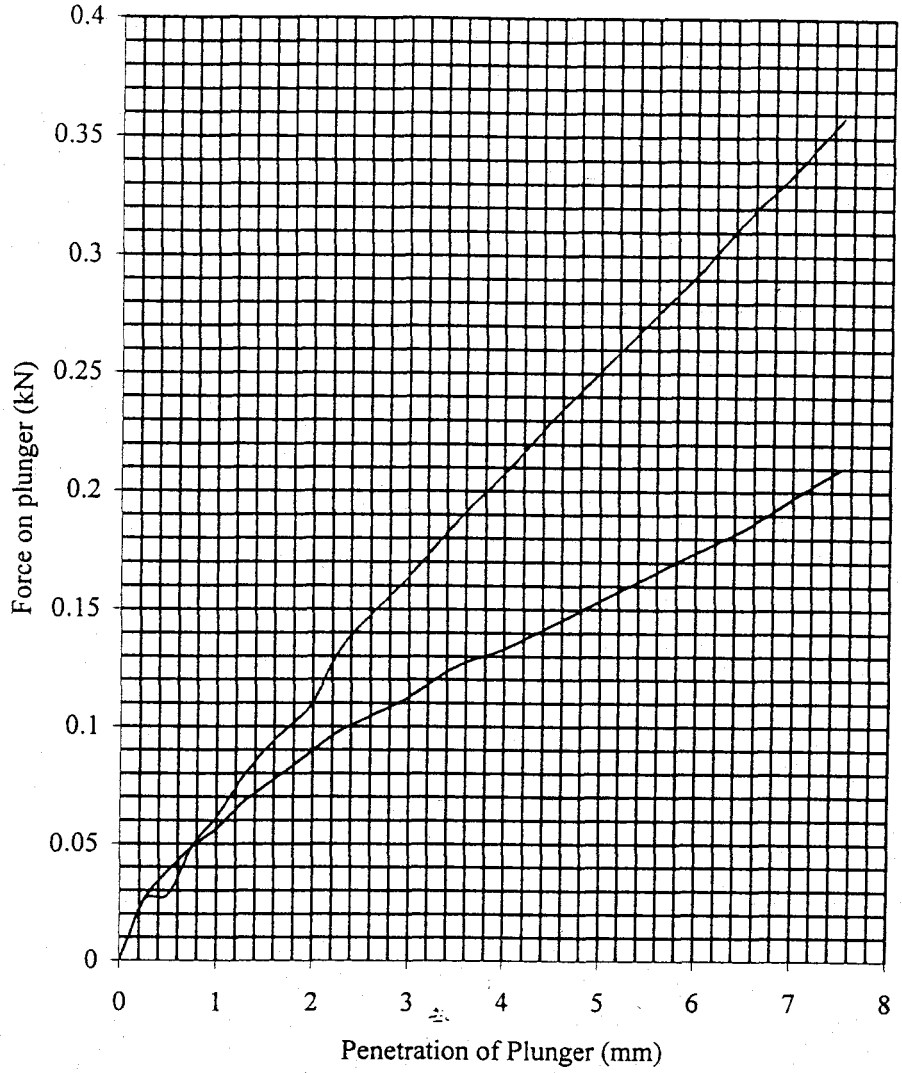
Contract No. NL211004

South Kirkby, WF9 3AP

California Bearing Ratio Test.

BS 1377 : Part 4 : 1990

Trial Pit Number 89B Depth (m) : 0.70



Initial Sample Conditions		Test Conditions		Method of compaction		4.5 Kg Rammer	
Moisture Content:	30.3	Surcharge Kg:	4.000	Final Moisture Content %		C.B.R. Value %	
Bulk Density Mg/m3:	1.86	Soaking Time hrs	0	Sample Top	33.4	Sample Top	0.8
Dry Density Mg/m3:	1.43	Swelling mm:	0	Sample Bottom	31.6	Sample Bottom	1.3
Percentage retained on 20mm		Remarks: See Summary of Soil Description.					
BS test sieve:	4						

Checked by	Date	Approved By	Date
	26/9/01		26/9/01

THYSSEN GEOTECHNICAL

BICESTER.

Contract No. NL211004

BICESTER
Summary of Chemical Analyses
BS 1377 : Part 3 : 1990

Borehole or Trial Pit	Depth (m)	Sample Number	Sample Type	Laboratory Reference Number	Test 3 Organic Content	Test 4 Loss on Ignition	Test 5.5 Sulphate Content Soil SO_3 (SO_4)	Test 5.5 Sulphate Content 2:1 Water:Soil extract SO_3 (SO_4)	Test 5.5 Sulphate Content Groundwater SO_3 (SO_4)	Test 6.3 Carbonate Content (as CO_2) *	Test 7.2/7.3 Chloride Content (as Cl) Soil	Test 7.2/7.3 Chloride Content (as Cl) Groundwater	Test 9 pH Value
					% Dry mass	% Dry mass	% Dry mass	g/l	g/l	% Dry mass	% Dry mass	g/l	
BH 1	2.00		D	03085/1	3.0			0.43 (0.52)					7.9
BH 2	1.00		D	03085/2	5.2			0.64 (0.77)					7.2
BH 1	1.00		B	03085/3				0.15 (0.18)					8.0
BH 2	1.00		B	03085/4				0.23 (0.28)					7.8
TH 3	2.40		D	03085/5				0.07 (0.08)					8.2
TP 1A	0.50		B	03085/6				0.06 (0.07)					8.1
TP 21	0.25		B	03085/7				0.03 (0.04)					8.2
TP 27	0.30		B	03085/8				0.12 (0.14)					8.2
TP 79A	0.40		B	03085/9				0.02 (0.02)					8.5
TP 79B	0.50		B	03085/10				0.05 (0.06)					8.5
TP 83	0.40		B	03085/11	5.2			0.16 (0.19)					8.4
TP 84	1.00		B	03085/12	1.5			0.05 (0.06)					8.4
TP 89A	0.50		B	03085/13				0.12 (0.14)					8.3
TP 89A	0.70		B	03085/14				0.13 (0.16)					8.2

Approved By: R Cu
Date: 18/9/01

Client Reference: NL211004
Laboratory Reference: 03085

DERWENTSIDE ENVIRONMENTAL TESTING SERVICES LIMITED

0618
0618 SI

What's so special about a UKAS report or certificate?

- Accreditation of testing is granted by the United Kingdom Accreditation Service (UKAS).
- It's your assurance that the work has been carried out to the highest standards.
- The laboratory issuing the test report has been stringently assessed by independent experts.
- You are assured that the agreed or specified methods and procedures have been followed.
- Measurements are traceable to national and international standards.

Comments:
Tests marked † in this report are not included in the UKAS Accreditation Schedule for the testing laboratory. However, with the continuing development of our QC protocols, these tests will be included in the near future.
Any opinions and interpretations expressed herein are outside the scope of the testing laboratory's UKAS Accreditation.
The Coefficient of Variation CV_T (where CV_T = standard deviation/mean*100) is better than 15%
All analysis carried out using ECoS standard methods unless otherwise agreed
The test results in this report refer only to the actual samples on which testing has been performed.

Date submitted for analysis : 06/09/01

Your Job/Order Number : 410511/32561

Analyst(s) : NB NSP SD JS SJF DF MRH ELD DS SPA

Approved signatories: J R Brown, E Dewell

Signature :

Report date : 20 September 2001

QA APPROVED
Signed.....
Date.....20/9/01

SOIL

ANALYTE	METHOD OF DETECTION	LIMIT OF DETECTION
Arsenic	ICP-OES	1.0 mg/kg
Cadmium	ICP-OES	0.2 mg/kg
Chromium (total)	ICP-OES	0.2 mg/kg
Lead	ICP-OES	0.5 mg/kg
Mercury	ICP-OES	1.0 mg/kg
Selenium	ICP-OES	1.0 mg/kg
Boron (water soluble)	Colorimetry	0.5 mg/kg
Copper	ICP-OES	0.2 mg/kg
Nickel	ICP-OES	0.2 mg/kg
Zinc	ICP-OES	0.2 mg/kg
PAH (total)	HPLC-UV	10 mg/kg
Phenols	Colorimetry	1.0 mg/kg
Cyanide (total)	HPLC-PED	2.0 mg/kg
Thiocyanate	Colorimetry	10 mg/kg
Sulphate (total)	ICP-OES	30 mg/kg
Sulphide	HPLC-PED	2.0 mg/kg
Sulphur (total)	ICP-OES	10 mg/kg
pH	Aqualyser	N/A
Arsenic (leachable)	AAS-HYDRIDE	1.0 ug/l
Cadmium (leachable)	GF-AAS	0.1 ug/l
Chromium (leachable)	ICP-OES	0.01 mg/l
Lead (leachable)	ICP-OES	0.03 mg/l
Mercury (leachable)	AAS-HYDRIDE	0.1 ug/l
Selenium (leachable)	AAS-HYDRIDE	1.0 ug/l
Boron (leachable)	ICP-OES	0.01 mg/l
Copper (leachable)	ICP-OES	0.01 mg/l
Nickel (leachable)	ICP-OES	0.01 mg/l
Zinc (leachable)	ICP-OES	0.01 mg/l
PAH (total) (leachable)	GC-FID	0.01 mg/l
Phenols (leachable)	Colorimetry	0.01 mg/l
Cyanide (total) (leachable)	Colorimetry	0.01 mg/l
Thiocyanate (leachable)	Colorimetry	1.0 mg/l
Sulphate (leachable)	HPLC-IC	1 mg/l
Sulphur (leachable)	HPLC-UV	10 mg/l
Sulphide (leachable)	Colorimetry	0.1 mg/l
pH (leachable)	Aqualyser	N/A
DRO	GC-FID	0.1 mg/kg
a-HCH	GC-MS	0.1 mg/kg
b-HCH	GC-MS	0.1 mg/kg
g-HCH (lindane)	GC-MS	0.1 mg/kg
d-HCH	GC-MS	0.1 mg/kg
a-Chlordane	GC-MS	0.1 mg/kg
g-Chlordane	GC-MS	0.1 mg/kg
4,4'-DDD	GC-MS	0.1 mg/kg
4,4'-DDE	GC-MS	0.1 mg/kg
4,4'-DDT	GC-MS	0.1 mg/kg
Aldrin	GC-MS	0.1 mg/kg
Dieldrin	GC-MS	0.1 mg/kg
Endosulfan I	GC-MS	0.1 mg/kg
Endosulfan II	GC-MS	0.1 mg/kg
Endosulfan Sulfate	GC-MS	0.1 mg/kg
Endrin	GC-MS	0.1 mg/kg
Endrin aldehyde	GC-MS	0.1 mg/kg
Endrin ketone	GC-MS	0.1 mg/kg
Heptachlor	GC-MS	0.1 mg/kg
Heptachlor epoxide	GC-MS	0.1 mg/kg
Hexachlorobenzene	GC-MS	0.1 mg/kg
Hexachlorocyclopentadiene	GC-MS	0.1 mg/kg

SOIL

ANALYTE	METHOD OF DETECTION	LIMIT OF DETECTION
Methoxychlor	GC-MS	0.1 mg/kg
Fenthion	GC-MS	0.1 mg/kg
Fenitrothion	GC-MS	0.1 mg/kg
Malathion	GC-MS	0.1 mg/kg
Parathion-ethyl	GC-MS	0.1 mg/kg
Dichlorvos	GC-MS	0.1 mg/kg
Permethrin	GC-MS	0.1 mg/kg
Simazine	GC-MS	0.1 mg/kg
Atrazine	GC-MS	0.1 mg/kg
Azinphos-methyl	GC-MS	0.1 mg/kg
Azinphos-ethyl	GC-MS	0.1 mg/kg
Trifluralin	GC-MS	0.1 mg/kg
Alachlor	GC-MS	0.1 mg/kg
cis-Nonachlor	GC-MS	0.1 mg/kg
trans-Nonachlor	GC-MS	0.1 mg/kg
Chlorobenzilate	GC-MS	0.1 mg/kg
Chlorothalonil	GC-MS	0.1 mg/kg
Dacthal	GC-MS	0.1 mg/kg
Etridiazole	GC-MS	0.1 mg/kg
Chloroneb	GC-MS	0.1 mg/kg
Propachlor	GC-MS	0.1 mg/kg
Bentazone	GC-MS	0.1 mg/kg

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TT1 (0.50m)	TT2 (0.50m)	TT2 (1.00m)	TT3 (1.00m)	BH1 (3.00m)	BH2 (2.60m)	TP1 (0.10m)	TP2 (0.30m)	TP4 (0.30m)	TP6 (0.10m)	TP7 (0.10m)	TP8 (0.70m)	
		S0127797	S0127799	S0127800	S0127801	S0127802	S0127803	S0127804	S0127805	S0127806	S0127807	S0127808	S0127809	
Arsenic	mg/kg	68.5	122.8	77.8	87.7	4.4	14.0	16.1	18.8	15.8	18.1	16.2	5.8	
Cadmium	mg/kg	3.1	2.2	2.7	5.2	0.6	1.0	0.4	0.7	0.6	0.5	0.4	0.3	
Chromium (total)	mg/kg	87.7	55.8	58.5	55.5	11.2	12.2	31.7	19.7	19.1	24.2	25.8	9.7	
Lead	mg/kg	701.0	1227.0	749.5	1332.5	17.0	64.7	48.8	0.6	14.8	82.2	14.1	0.8	
Mercury	mg/kg	<1.0	1.5	<1.0	2.8	1.5	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Boron (water soluble)	mg/kg	1.9	1.3	1.5	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Copper	mg/kg	363.3	420.6	363.5	327.2	2.0	22.2	23.2	3.3	13.6	23.2	13.7	<0.2	
Nickel	mg/kg	106.0	169.8	131.7	173.0	10.4	19.7	34.0	33.4	29.5	31.7	25.9	11.0	
Zinc	mg/kg	2967.0	1660.7	1737.7	1679.7	61.8	266.7	109.1	35.3	75.5	106.6	67.4	35.4	
PAH (total)	mg/kg	22	<10	28	<10	<10	<10	<10	<10	<10	<10	<10	<10	†
Phenols	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Cyanide (total)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Thiocyanate	mg/kg	<10	<10	<10	<10	<10	<10	<10	#	#	#	#	#	
Sulphate (total)	mg/kg	4974	6069	4960	3532	594	1144	972	1134	1228	1197	1027	890	
Sulphide	mg/kg	9.9	8.0	8.1	12.9	2.2	34.8	<2.0	#	#	#	#	#	
Sulphur (total)	mg/kg	1990	2839	2425	2086	248	533	487	#	#	#	#	#	
pH	N/A	7.3	7.5	7.4	7.5	8.1	8.0	7.7	8.2	7.8	7.6	7.7	8.2	†
Arsenic (leachable)	ug/l	2.1	3.1	1.6	2.0	#	#	<1.0	#	#	#	#	#	
Cadmium (leachable)	ug/l	<0.1	<0.1	<0.1	<0.1	#	#	<0.1	#	#	#	#	#	

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TT1 (0.50m)	TT2 (0.50m)	TT2 (1.00m)	TT3 (1.00m)	BH1 (3.00m)	BH2 (2.60m)	TP1 (0.10m)	TP2 (0.30m)	TP4 (0.30m)	TP6 (0.10m)	TP7 (0.10m)	TP8 (0.70m)	
		S0127797	S0127799	S0127800	S0127801	S0127802	S0127803	S0127804	S0127805	S0127806	S0127807	S0127808	S0127809	
Chromium (leachable)	mg/l	0.01	<0.01	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	
Lead (leachable)	mg/l	<0.03	<0.03	<0.03	<0.03	#	#	<0.03	#	#	#	#	#	
Mercury (leachable)	ug/l	<0.1	<0.1	<0.1	<0.1	#	#	<0.1	#	#	#	#	#	
Selenium (leachable)	ug/l	1.2	<1.0	<1.0	<1.0	#	#	<1.0	#	#	#	#	#	
Boron (leachable)	mg/l	0.09	0.11	0.11	0.18	#	#	0.01	#	#	#	#	#	
Copper (leachable)	mg/l	<0.01	<0.01	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	
Nickel (leachable)	mg/l	0.03	<0.01	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	
Zinc (leachable)	mg/l	0.10	0.12	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	
PAH (total) (leachable)	mg/l	<0.01	<0.01	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	†
Phenols (leachable)	mg/l	0.01	<0.01	0.02	<0.01	#	#	<0.01	#	#	#	#	#	
Cyanide (total) (leachable)	mg/l	<0.01	<0.01	<0.01	<0.01	#	#	<0.01	#	#	#	#	#	
Thiocyanate (leachable)	mg/l	<1.0	<1.0	<1.0	<1.0	#	#	<1.0	#	#	#	#	#	
Sulphate (leachable)	mg/l	12	8	12	20	#	#	<1	#	#	#	#	#	
Sulphur (leachable)	mg/l	<10	<10	<10	<10	#	#	<10	#	#	#	#	#	†
Sulphide (leachable)	mg/l	<0.1	<0.1	<0.1	<0.1	#	#	<0.1	#	#	#	#	#	†
pH (leachable)	N/A	6.7	7.4	7.6	7.7	#	#	7.4	#	#	#	#	#	†
DRO	mg/kg	31.2	#	54.0	#	#	#	#	#	#	#	#	#	†
a-HCH	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
b-HCH	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
g-HCH (lindane)	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TT1 (0.50m)	TT2 (0.50m)	TT2 (1.00m)	TT3 (1.00m)	BH1 (3.00m)	BH2 (2.60m)	TP1 (0.10m)	TP2 (0.30m)	TP4 (0.30m)	TP6 (0.10m)	TP7 (0.10m)	TP8 (0.70m)	
		S0127797	S0127799	S0127800	S0127801	S0127802	S0127803	S0127804	S0127805	S0127806	S0127807	S0127808	S0127809	
d-HCH	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
a-Chlordane	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
g-Chlordane	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
4,4'-DDD	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
4,4'-DDE	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
4,4'-DDT	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Aldrin	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Dieldrin	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endosulfan I	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endosulfan II	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endosulfan Sulfate	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endrin	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endrin aldehyde	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Endrin ketone	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Heptachlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Heptachlor epoxide	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Hexachlorobenzene	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Hexachlorocyclopentadiene	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Methoxychlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Fenthion	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TT1 (0.50m)	TT2 (0.50m)	TT2 (1.00m)	TT3 (1.00m)	BH1 (3.00m)	BH2 (2.60m)	TP1 (0.10m)	TP2 (0.30m)	TP4 (0.30m)	TP6 (0.10m)	TP7 (0.10m)	TP8 (0.70m)	
		S0127797	S0127799	S0127800	S0127801	S0127802	S0127803	S0127804	S0127805	S0127806	S0127807	S0127808	S0127809	
Fenitrothion	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Malathion	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Parathion-ethyl	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Dichlorvos	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Permethrin	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Simazine	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Atrazine	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Azinphos-methyl	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Azinphos-ethyl	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Trifluralin	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Alachlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
cis-Nonachlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
trans-Nonachlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Chlorobenzilate	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Chlorothalonil	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Dacthal	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Etridiazole	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Chloroneb	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Propachlor	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†
Bentazone	mg/kg	<0.1	#	#	#	#	#	#	#	#	<0.1	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP13 (0.00 - 0.20m)	TP14 (0.10m)	TP14A (0.10m)	TP14A (1.80m)	TP15A (0.40m)	TP17 (0.20m)	TP19 (0.00 - 0.25m)	TP22 (0.10m)	TP24 (0.10m)	TP28 (0.00 - 0.23m)	TP30 (0.00 - 0.20m)	TP32 (0.50m)	
		S0127810	S0127811	S0127812	S0127813	S0127814	S0127815	S0127816	S0127817	S0127820	S0127821	S0127822	S0127823	
Arsenic	mg/kg	13.7	18.1	21.7	32.5	23.2	25.7	32.7	20.9	19.8	11.7	11.2	17.7	
Cadmium	mg/kg	0.4	0.7	0.7	0.5	0.3	0.7	0.3	0.8	0.4	0.6	0.3	0.7	
Chromium (total)	mg/kg	42.1	32.9	35.8	11.0	20.1	34.1	44.4	26.5	34.8	42.1	29.9	13.2	
Lead	mg/kg	15.4	45.4	42.6	10.0	7.4	30.7	40.2	24.4	13.5	4.2	6.7	<0.5	
Mercury	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Boron (water soluble)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	
Copper	mg/kg	23.8	20.1	25.6	25.0	18.3	27.0	27.0	15.8	16.3	16.5	13.4	0.5	
Nickel	mg/kg	30.3	33.9	39.0	49.0	45.6	41.1	44.2	35.6	34.6	26.0	16.4	28.8	
Zinc	mg/kg	97.7	85.2	92.9	40.3	56.6	106.0	101.6	64.6	80.4	86.9	70.9	23.3	
PAH (total)	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	†
Phenols	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Cyanide (total)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Sulphate (total)	mg/kg	770	1087	1263	486	687	1295	981	907	685	773	418	827	
pH	N/A	7.4	7.7	7.7	8.1	7.9	7.7	7.3	7.8	7.2	6.4	7.7	7.9	†
a-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
b-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
g-HCH (lindane)	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
d-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
a-Chlordane	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP13 (0.00 - 0.20m)	TP14 (0.10m)	TP14A (0.10m)	TP14A (1.80m)	TP15A (0.40m)	TP17 (0.20m)	TP19 (0.00 - 0.25m)	TP22 (0.10m)	TP24 (0.10m)	TP28 (0.00 - 0.23m)	TP30 (0.00 - 0.20m)	TP32 (0.50m)	
		S0127810	S0127811	S0127812	S0127813	S0127814	S0127815	S0127816	S0127817	S0127820	S0127821	S0127822	S0127823	
g-Chlordane	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDD	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDE	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDT	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Aldrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Dieldrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan I	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan II	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan Sulfate	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin aldehyde	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin ketone	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Heptachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Heptachlor epoxide	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Hexachlorobenzene	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Hexachlorocyclopentadiene	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Methoxychlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Fenthion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Fenitrothion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Malathion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP13 (0.00 - 0.20m)	TP14 (0.10m)	TP14A (0.10m)	TP14A (1.80m)	TP15A (0.40m)	TP17 (0.20m)	TP19 (0.00 - 0.25m)	TP22 (0.10m)	TP24 (0.10m)	TP28 (0.00 - 0.23m)	TP30 (0.00 - 0.20m)	TP32 (0.50m)	
		S0127810	S0127811	S0127812	S0127813	S0127814	S0127815	S0127816	S0127817	S0127820	S0127821	S0127822	S0127823	
Parathion-ethyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Dichlorvos	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Permethrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Simazine	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Atrazine	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Azinphos-methyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Azinphos-ethyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Trifluralin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Alachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
cis-Nonachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
trans-Nonachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chlorobenzilate	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chlorothalonil	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Dacthal	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Etridiazole	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chloroneb	mg/kg	#	#	#	#	#	#	#	#	0.1	#	#	#	†
Propachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Bentazone	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP33 (0.50m)	TP34 (0.10m)	TP37 (0.00 - 0.25m)	TP41 (0.00 - 0.30m)	TP42 (0.10m)	TP42 (0.50m)	TP44 (0.50m)	TP47 (0.00 - 0.30m)	TP52 (0.00 - 0.25m)	TP54 (0.10m)	TP55 (0.10m)	TP57 (0.30m)	
		S0127824	S0127825	S0127826	S0127827	S0127829	S0127830	S0127831	S0127832	S0127833	S0127835	S0127836	S0127837	
Arsenic	mg/kg	17.5	23.0	15.2	9.8	23.1	11.9	20.0	22.4	12.1	20.0	20.8	48.6	
Cadmium	mg/kg	0.6	0.6	0.5	0.6	0.6	0.8	0.7	1.1	0.7	0.6	0.7	0.5	
Chromium (total)	mg/kg	18.1	38.1	50.4	39.3	33.0	7.6	31.7	62.9	41.1	36.2	33.0	65.6	
Lead	mg/kg	3.0	19.5	4.1	<0.5	20.0	2.2	8.8	<0.5	2.1	20.6	26.0	<0.5	
Mercury	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Boron (water soluble)	mg/kg	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Copper	mg/kg	5.0	16.4	21.1	12.8	14.6	<0.2	16.6	19.1	18.3	17.6	17.7	14.7	
Nickel	mg/kg	27.4	37.2	28.4	12.1	34.4	12.3	34.8	33.6	29.0	34.9	32.7	48.2	
Zinc	mg/kg	33.6	83.1	91.5	68.4	68.2	18.5	68.9	107.1	101.3	78.2	74.8	89.1	
PAH (total)	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	†
Phenols	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Cyanide (total)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Sulphate (total)	mg/kg	782	753	564	457	887	895	618	636	482	685	696	48	
pH	N/A	7.9	7.4	6.7	6.3	7.8	8.1	7.8	7.1	7.6	7.8	7.9	7.8	†
Arsenic (leachable)	ug/l	#	#	#	<1.0	#	#	#	#	#	<1.0	#	#	
Cadmium (leachable)	ug/l	#	#	#	<0.1	#	#	#	#	#	<0.1	#	#	
Chromium (leachable)	mg/l	#	#	#	<0.01	#	#	#	#	#	<0.01	#	#	
Lead (leachable)	mg/l	#	#	#	<0.03	#	#	#	#	#	<0.03	#	#	
Mercury (leachable)	ug/l	#	#	#	<0.1	#	#	#	#	#	<0.1	#	#	

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP33 (0.50m)	TP34 (0.10m)	TP37 (0.00 - 0.25m)	TP41 (0.00 - 0.30m)	TP42 (0.10m)	TP42 (0.50m)	TP44 (0.50m)	TP47 (0.00 - 0.30m)	TP52 (0.00 - 0.25m)	TP54 (0.10m)	TP55 (0.10m)	TP57 (0.30m)	
		S0127824	S0127825	S0127826	S0127827	S0127829	S0127830	S0127831	S0127832	S0127833	S0127835	S0127836	S0127837	
Selenium (leachable)	ug/l	#	#	#	<1.0	#	#	#	#	#	<1.0	#	#	
Boron (leachable)	mg/l	#	#	#	0.02	#	#	#	#	#	0.01	#	#	
Copper (leachable)	mg/l	#	#	#	<0.01	#	#	#	#	#	<0.01	#	#	
Nickel (leachable)	mg/l	#	#	#	0.02	#	#	#	#	#	0.01	#	#	
Zinc (leachable)	mg/l	#	#	#	0.03	#	#	#	#	#	<0.01	#	#	
PAH (total) (leachable)	mg/l	#	#	#	<0.01	#	#	#	#	#	<0.01	#	#	†
Phenols (leachable)	mg/l	#	#	#	<0.01	#	#	#	#	#	<0.01	#	#	
Cyanide (total) (leachable)	mg/l	#	#	#	<0.01	#	#	#	#	#	<0.01	#	#	
Sulphate (leachable)	mg/l	#	#	#	<1	#	#	#	#	#	<1	#	#	
pH (leachable)	N/A	#	#	#	5.9	#	#	#	#	#	7.4	#	#	†
a-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
b-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
g-HCH (lindane)	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
d-HCH	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
a-Chlordane	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
g-Chlordane	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDD	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDE	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
4,4'-DDT	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Aldrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP33 (0.50m)	TP34 (0.10m)	TP37 (0.00 - 0.25m)	TP41 (0.00 - 0.30m)	TP42 (0.10m)	TP42 (0.50m)	TP44 (0.50m)	TP47 (0.00 - 0.30m)	TP52 (0.00 - 0.25m)	TP54 (0.10m)	TP55 (0.10m)	TP57 (0.30m)	
		S0127824	S0127825	S0127826	S0127827	S0127829	S0127830	S0127831	S0127832	S0127833	S0127835	S0127836	S0127837	
Dieldrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan I	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan II	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endosulfan Sulfate	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin aldehyde	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Endrin ketone	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Heptachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Heptachlor epoxide	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Hexachlorobenzene	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Hexachlorocyclopentadiene	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Methoxychlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Fenthion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Fenitrothion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Malathion	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Parathion-ethyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Dichlorvos	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Permethrin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Simazine	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Atrazine	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP33 (0.50m)	TP34 (0.10m)	TP37 (0.00 - 0.25m)	TP41 (0.00 - 0.30m)	TP42 (0.10m)	TP42 (0.50m)	TP44 (0.50m)	TP47 (0.00 - 0.30m)	TP52 (0.00 - 0.25m)	TP54 (0.10m)	TP55 (0.10m)	TP57 (0.30m)	
		S0127824	S0127825	S0127826	S0127827	S0127829	S0127830	S0127831	S0127832	S0127833	S0127835	S0127836	S0127837	
Azinphos-methyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Azinphos-ethyl	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Trifluralin	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Alachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
cis-Nonachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
trans-Nonachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chlorobenzilate	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chlorothalonil	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Dacthal	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Etridiazole	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Chloroneb	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Propachlor	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†
Bentazone	mg/kg	#	#	#	#	#	#	#	#	<0.1	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP58 (0.20m)	TP59 (0.00 - 0.35m)	TP60 (0.00 - 0.34m)	TP63 (0.50m)	TP64 (0.20m)	TP68 (1.50m)	TP70 (0.60m)	TP71 (0.00 - 0.30m)	TP72 (0.60m)	TP73A (1.00m)	TP75 (0.30m)	TP76 (0.50m)	
		S0127838	S0127839	S0127840	S0127844	S0127845	S0127846	S0127847	S0127848	S0127849	S0127850	S0127851	S0127852	
Arsenic	mg/kg	21.3	13.3	33.3	11.9	32.1	231.0	23.6	19.9	9.3	15.0	103.6	12.0	
Cadmium	mg/kg	0.8	0.8	1.1	0.8	0.5	<0.2	<0.2	0.5	0.8	0.2	0.4	0.6	
Chromium (total)	mg/kg	59.0	48.5	53.6	14.8	38.0	62.5	22.1	42.0	9.7	40.0	39.2	33.3	
Lead	mg/kg	3.5	10.6	7.4	2.7	29.2	6.6	3.6	10.8	<0.5	<0.5	8.3	<0.5	
Mercury	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Boron (water soluble)	mg/kg	<0.5	<0.5	<0.5	0.5	0.5	<0.5	<0.5	0.6	0.6	0.5	0.6	0.5	
Copper	mg/kg	28.7	20.5	28.2	3.5	31.9	57.8	6.7	17.2	<0.2	16.1	14.5	8.7	
Nickel	mg/kg	36.5	29.3	39.3	15.5	40.2	161.7	33.7	36.8	7.9	36.5	43.9	31.4	
Zinc	mg/kg	135.2	104.0	105.1	32.4	112.0	271.4	48.5	83.1	27.8	71.9	63.9	58.9	
PAH (total)	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	†
Phenols	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Cyanide (total)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Sulphate (total)	mg/kg	365	698	865	1508	1433	14027	582	1665	783	241	1144	498	
pH	N/A	7.1	7.1	7.8	8.4	7.6	7.7	8.0	7.4	8.1	8.0	7.8	8.0	†
a-HCH	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
b-HCH	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
g-HCH (lindane)	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
d-HCH	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
a-Chlordane	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP58 (0.20m)	TP59 (0.00 - 0.35m)	TP60 (0.00 - 0.34m)	TP63 (0.50m)	TP64 (0.20m)	TP68 (1.50m)	TP70 (0.60m)	TP71 (0.00 - 0.30m)	TP72 (0.60m)	TP73A (1.00m)	TP75 (0.30m)	TP76 (0.50m)	
		S0127838	S0127839	S0127840	S0127844	S0127845	S0127846	S0127847	S0127848	S0127849	S0127850	S0127851	S0127852	
g-Chlordane	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
4,4'-DDD	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
4,4'-DDE	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
4,4'-DDT	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Aldrin	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Dieldrin	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endosulfan I	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endosulfan II	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endosulfan Sulfate	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endrin	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endrin aldehyde	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Endrin ketone	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Heptachlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Heptachlor epoxide	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Hexachlorobenzene	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Hexachlorocyclopentadiene	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Methoxychlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Fenthion	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Fenitrothion	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Malathion	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†

Results for soil samples expressed as dry weight
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP58 (0.20m)	TP59 (0.00 - 0.35m)	TP60 (0.00 - 0.34m)	TP63 (0.50m)	TP64 (0.20m)	TP68 (1.50m)	TP70 (0.60m)	TP71 (0.00 - 0.30m)	TP72 (0.60m)	TP73A (1.00m)	TP75 (0.30m)	TP76 (0.50m)	
		S0127838	S0127839	S0127840	S0127844	S0127845	S0127846	S0127847	S0127848	S0127849	S0127850	S0127851	S0127852	
Parathion-ethyl	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Dichlorvos	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Permethrin	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Simazine	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Atrazine	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Azinphos-methyl	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Azinphos-ethyl	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Trifluralin	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Alachlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
cis-Nonachlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
trans-Nonachlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Chlorobenzilate	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Chlorothalonil	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Dacthal	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Etridiazole	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Chloroneb	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Propachlor	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Bentazone	mg/kg	#	<0.1	#	#	#	#	#	#	#	#	#	#	†
Arsenic (leachable)	ug/l	#	#	#	#	#	#	#	#	<1.0	#	#	<1.0	
Cadmium (leachable)	ug/l	#	#	#	#	#	#	#	#	<0.1	#	#	<0.1	

Results for soil samples expressed as dry weight

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate

: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP58 (0.20m)	TP59 (0.00 - 0.35m)	TP60 (0.00 - 0.34m)	TP63 (0.50m)	TP64 (0.20m)	TP68 (1.50m)	TP70 (0.60m)	TP71 (0.00 - 0.30m)	TP72 (0.60m)	TP73A (1.00m)	TP75 (0.30m)	TP76 (0.50m)	
		S0127838	S0127839	S0127840	S0127844	S0127845	S0127846	S0127847	S0127848	S0127849	S0127850	S0127851	S0127852	
Chromium (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
Lead (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.03	#	#	<0.03	
Mercury (leachable)	ug/l	#	#	#	#	#	#	#	#	<0.1	#	#	<0.1	
Selenium (leachable)	ug/l	#	#	#	#	#	#	#	#	<1.0	#	#	<1.0	
Boron (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	0.01	
Copper (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
Nickel (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
Zinc (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
PAH (total) (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
Phenols (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	†
Cyanide (total) (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
Sulphate (leachable)	mg/l	#	#	#	#	#	#	#	#	<0.01	#	#	<0.01	
pH (leachable)	N/A	#	#	#	#	#	#	#	#	<1	#	#	<1	
DRO	mg/kg	#	#	#	#	#	#	#	#	7.1	#	#	7.3	†
		#	#	#	#	#	#	#	#	#	#	#	<0.1	†

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP79 (0.50m)	TP79A (0.40m)	TP79B (0.50m)	TP80 (0.85m)	TP83 (0.20m)	TP84 (1.00m)	TP87 (0.10m)	TP89 (0.20m)	TP89A (0.50m)	TP90 (0.50m)		
		S0127854	S0127855	S0127856	S0127857	S0127858	S0127859	S0127860	S0127861	S0127862	S0127863		
Arsenic	mg/kg	18.8	15.2	15.1	19.7	18.3	8.0	25.9	21.9	8.2	41.6	#	#
Cadmium	mg/kg	0.6	0.6	0.8	<0.2	0.5	0.7	0.4	0.5	1.1	0.3	#	#
Chromium (total)	mg/kg	32.7	12.0	9.3	25.8	12.8	27.8	43.5	24.5	51.1	33.9	#	#
Lead	mg/kg	<0.5	<0.5	2.4	0.7	47.5	<0.5	18.9	34.2	<0.5	11.6	#	#
Mercury	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#	#
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#	#
Boron (water soluble)	mg/kg	<0.5	0.5	0.5	0.6	0.8	0.5	0.5	1.3	1.1	<0.5	#	#
Copper	mg/kg	11.0	<0.2	0.9	8.3	21.6	4.3	25.8	12.3	29.6	19.4	#	#
Nickel	mg/kg	31.6	10.1	9.7	33.6	24.2	19.6	30.3	13.9	27.9	44.6	#	#
Zinc	mg/kg	61.5	22.7	19.0	50.4	69.4	59.0	109.3	142.8	95.5	110.0	#	#
PAH (total)	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	#	# †
Phenols	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#	#
Cyanide (total)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	#	#
Sulphate (total)	mg/kg	1017	945	1112	315	3072	1158	950	3429	2310	776	#	#
pH	N/A	7.9	8.0	8.1	8.1	7.4	7.8	7.4	7.3	7.3	7.8	#	# †
Arsenic (leachable)	ug/l	#	<1.0	<1.0	#	#	1.1	#	<1.0	<1.0	<1.0	#	#
Cadmium (leachable)	ug/l	#	<0.1	<0.1	#	#	<0.1	#	<0.1	<0.1	<0.1	#	#
Chromium (leachable)	mg/l	#	<0.01	0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
Lead (leachable)	mg/l	#	<0.03	<0.03	#	#	<0.03	#	<0.03	<0.03	<0.03	#	#
Mercury (leachable)	ug/l	#	<0.1	<0.1	#	#	<0.1	#	<0.1	<0.1	<0.1	#	#

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP79 (0.50m)	TP79A (0.40m)	TP79B (0.50m)	TP80 (0.85m)	TP83 (0.20m)	TP84 (1.00m)	TP87 (0.10m)	TP89 (0.20m)	TP89A (0.50m)	TP90 (0.50m)		
		S0127854	S0127855	S0127856	S0127857	S0127858	S0127859	S0127860	S0127861	S0127862	S0127863		
Selenium (leachable)	ug/l	#	<1.0	<1.0	#	#	<1.0	#	<1.0	<1.0	<1.0	#	#
Boron (leachable)	mg/l	#	0.02	<0.01	#	#	<0.01	#	0.06	0.06	0.01	#	#
Copper (leachable)	mg/l	#	<0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
Nickel (leachable)	mg/l	#	<0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
Zinc (leachable)	mg/l	#	<0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
PAH (total) (leachable)	mg/l	#	<0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
Phenols (leachable)	mg/l	#	0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	# †
Cyanide (total) (leachable)	mg/l	#	<0.01	<0.01	#	#	<0.01	#	<0.01	<0.01	<0.01	#	#
Sulphate (leachable)	mg/l	#	<1	<1	#	#	7	#	13	19	<1	#	#
pH (leachable)	N/A	#	7.5	7.3	#	#	7.4	#	7.8	7.4	7.5	#	# †

Results for soil samples expressed as dry weight
Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate
: Analyte not requested

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What's so special about a UKAS report or certificate?
- Accreditation of testing is granted by the United Kingdom Accreditation Service (UKAS).
- It's your assurance that the work has been carried out to the highest standards.
- The laboratory issuing the test report has been stringently assessed by independent experts.
- You are assured that the agreed or specified methods and procedures have been followed.
- Measurements are traceable to national and international standards.

Comments:
Tests marked † in this report are not included in the UKAS Accreditation Schedule for the testing laboratory. However, with the continuing development of our QC protocols, these tests will be included in the near future.
Any opinions and interpretations expressed herein are outside the scope of the testing laboratory's UKAS Accreditation.
The Coefficient of Variation CV_T (where CV_T = standard deviation/mean*100) is better than 15%
All analysis carried out using ECoS standard methods unless otherwise agreed
The test results in this report refer only to the actual samples on which testing has been performed.

Date submitted for analysis : 05/09/01

Your Job/Order Number : 410511/32561

Analyst(s) : MRH NB SJF NSP ELD DS SD DF

Approved signatories: J R Brown, E Dewell

Signature :

Report date : 18 September 2001

QA APPROVED
Signed.....A Smith.....
Date.....18/9/01.....

WATER

ANALYTE	METHOD OF DETECTION	LIMIT OF DETECTION
Arsenic	AAS-HYDRIDE	1.0 ug/l
Cadmium	GF-AAS	0.1 ug/l
Chromium (hexavalent)	ICP-OES	0.01 mg/l
Chromium	ICP-OES	0.01 mg/l
Lead	ICP-OES	0.03 mg/l
Mercury	AAS-HYDRIDE	0.1 ug/l
Selenium	AAS-HYDRIDE	1.0 ug/l
Boron	ICP-OES	0.01 mg/l
Copper	ICP-OES	0.01 mg/l
Nickel	ICP-OES	0.01 mg/l
Zinc	ICP-OES	0.01 mg/l
PAH (total)	GC-FID	0.01 mg/l
Phenols	Colorimetry	0.01 mg/l
Cyanide (free)	Colorimetry	0.01 mg/l
Cyanide (complex)	Colorimetry	0.01 mg/l
Cyanide (total)	Colorimetry	0.01 mg/l
Thiocyanate	Colorimetry	1.0 mg/l
Sulphate	HPLC-IC	1 mg/l
Sulphide	Colorimetry	0.1 mg/l
Sulphur	HPLC-UV	10 mg/l
pH	Aqualyser	N/A
Naphthalene	GC-FID	0.01 mg/l
Acenaphthylene	GC-FID	0.01 mg/l
Acenaphthene	GC-FID	0.01 mg/l
Fluorene	GC-FID	0.01 mg/l
Phenanthrene	GC-FID	0.01 mg/l
Anthracene	GC-FID	0.01 mg/l
Fluoranthene	GC-FID	0.01 mg/l
Pyrene	GC-FID	0.01 mg/l
Benzo(a)anthracene	GC-FID	0.01 mg/l
Chrysene	GC-FID	0.01 mg/l
Benzo(b)fluoranthene	GC-FID	0.01 mg/l
Benzo(k)fluoranthene	GC-FID	0.01 mg/l
Benzo(a)pyrene	GC-FID	0.01 mg/l
Indeno(1,2,3-cd)pyrene	GC-FID	0.01 mg/l
Dibenz(a,h)anthracene	GC-FID	0.01 mg/l
Benzo(g,h,i)perylene	GC-FID	0.01 mg/l
Chloride	HPLC-IC	1 mg/l
Ammoniacal Nitrogen	Colorimetry	0.1 mg/l as N
TOC	Colorimetry	0.1 %
DRO	GC-FID	0.01 mg/l
PCBs	GC-ECD	0.01 mg/l

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP14A (1.80m)	TP15A (1.00m)	TP17 (1.10m)	TP36 (0.50m)	TP47 (1.00m)	TP71 (0.90m)	TP76 (2.50m)	TP76B (2.00m)	TP83 (0.80m)	TP89A (0.90m)	Farm Well	
		S0127783	S0127784	S0127785	S0127786	S0127787	S0127788	S0127789	S0127790	S0127791	S0127792	S0127793	
Arsenic	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#
Cadmium	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	#
Chromium (hexavalent)	mg/l	<0.01	#	#	#	#	#	#	#	#	<0.01	<0.01	# †
Chromium	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#
Lead	mg/l	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	#
Mercury	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	#
Selenium	ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#
Boron	mg/l	<0.01	<0.01	<0.01	0.41	0.04	0.10	<0.01	0.01	0.07	0.13	0.50	#
Copper	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#
Nickel	mg/l	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	#
Zinc	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#
PAH (total)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	# †
Phenols	mg/l	0.02	0.03	0.01	0.01	0.03	0.03	0.01	0.01	0.01	0.01	<0.01	#
Cyanide (free)	mg/l	<0.01	#	#	#	#	#	#	#	#	<0.01	<0.01	#
Cyanide (complex)	mg/l	<0.01	#	#	#	#	#	#	#	#	<0.01	<0.01	#
Cyanide (total)	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#
Thiocyanate	mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	#
Sulphate	mg/l	47	19	48	46	44	43	74	64	59	68	38	#
Sulphide	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	# †
Sulphur	mg/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	# †

Water samples analysed as received
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP14A (1.80m)	TP15A (1.00m)	TP17 (1.10m)	TP36 (0.50m)	TP47 (1.00m)	TP71 (0.90m)	TP76 (2.50m)	TP76B (2.00m)	TP83 (0.80m)	TP89A (0.90m)	Farm Well		
		S0127783	S0127784	S0127785	S0127786	S0127787	S0127788	S0127789	S0127790	S0127791	S0127792	S0127793		
pH	N/A	7.2	7.2	7.4	7.5	7.2	7.4	7.4	7.4	7.3	7.2	7.9	#	†
Naphthalene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Acenaphthylene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Acenaphthene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Fluorene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Phenanthrene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Anthracene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Fluoranthene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Pyrene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Benzo(a)anthracene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Chrysene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Benzo(b)fluoranthene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Benzo(k)fluoranthene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Benzo(a)pyrene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Indeno(1,2,3-cd)pyrene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Dibenz(a,h)anthracene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Benzo(g,h,i)perylene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	#	†
Chloride	mg/l	15	#	#	#	#	#	21	20	#	#	21	#	
Ammoniacal Nitrogen	mg/l as N	<0.1	#	#	#	#	#	<0.1	<0.1	#	#	<0.1	#	
TOC	%	<0.1	#	#	#	#	#	<0.1	<0.1	#	#	<0.1	#	†

Water samples analysed as received
: Analyte not requested

Summary Of Results
Pell Frischmann Consultants Ltd. - Bicester

ANALYTES	UNITS	TP14A (1.80m)	TP15A (1.00m)	TP17 (1.10m)	TP36 (0.50m)	TP47 (1.00m)	TP71 (0.90m)	TP76 (2.50m)	TP76B (2.00m)	TP83 (0.80m)	TP89A (0.90m)	Farm Well		
		S0127783	S0127784	S0127785	S0127786	S0127787	S0127788	S0127789	S0127790	S0127791	S0127792	S0127793		
DRO	mg/l	<0.01	#	#	#	#	#	<0.01	<0.01	#	#	<0.01	#	†
PCBs	mg/l	<0.01	#	#	#	#	#	<0.01	<0.01	#	#	<0.01	#	†

Water samples analysed as received
: Analyte not requested