

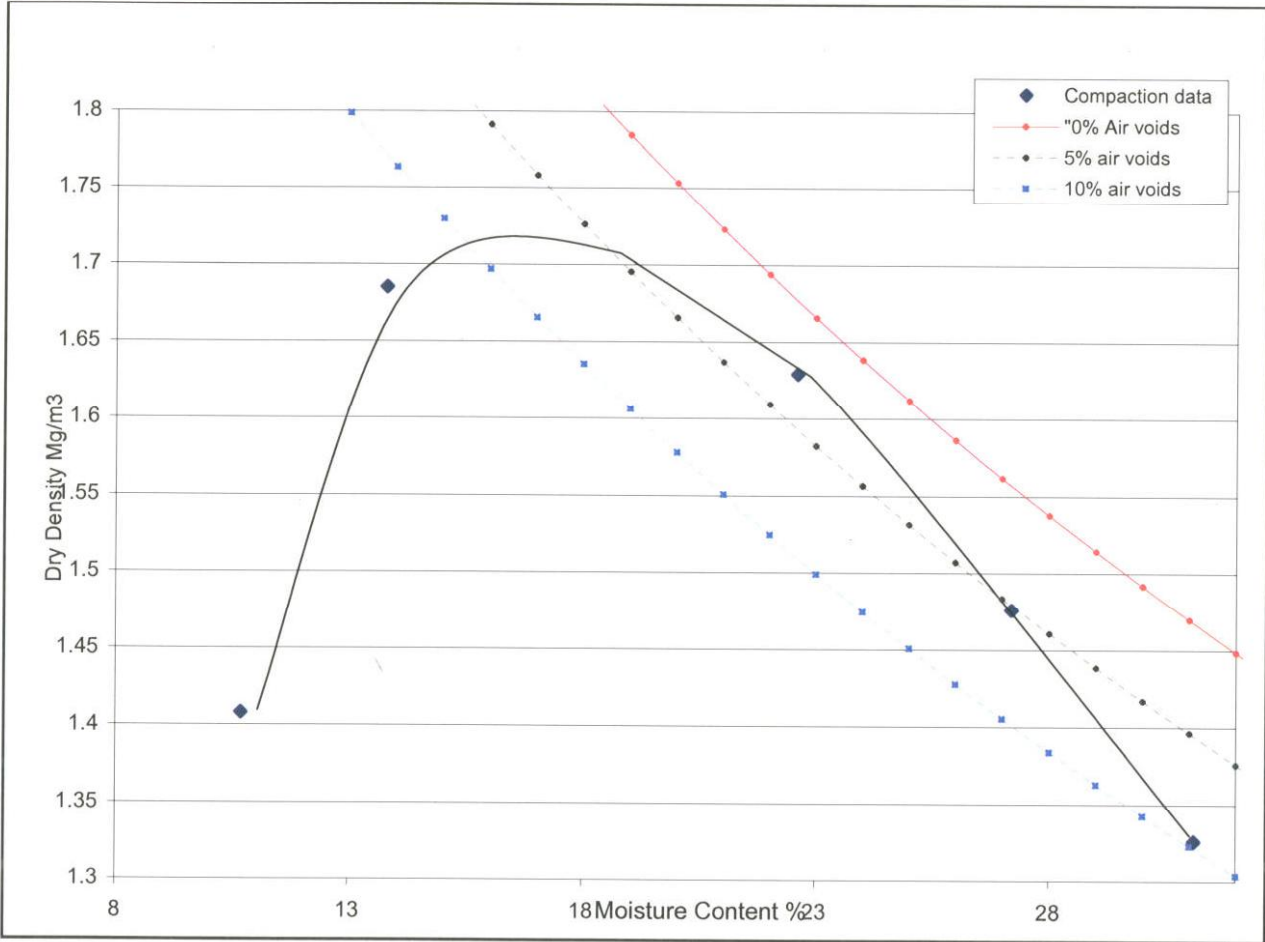
2.5kg COMPACTION SERIES TEST : BS1377 : PART 4 : 1990

Test Methods - 3.3

Preparation Methods - 3.2.4.1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP13	LAB NO :	07/0810/S
PROJECT NUMBER :	12370178	DEPTH(m)	1.5-2.0	STORE NO: N/A



SAMPLE RESULTS	
Maximum Dry Density Mg/m ³	1.73
Optimum Moisture Content %	18
As Received Moisture Content %	33
Particle Density	2.70

Assumed

SAMPLE DETAILS	
% Retained on a 37.5mm sieve	0
% Retained on a 20.00mm sieve	0

Notes :

- 1) Single sample used

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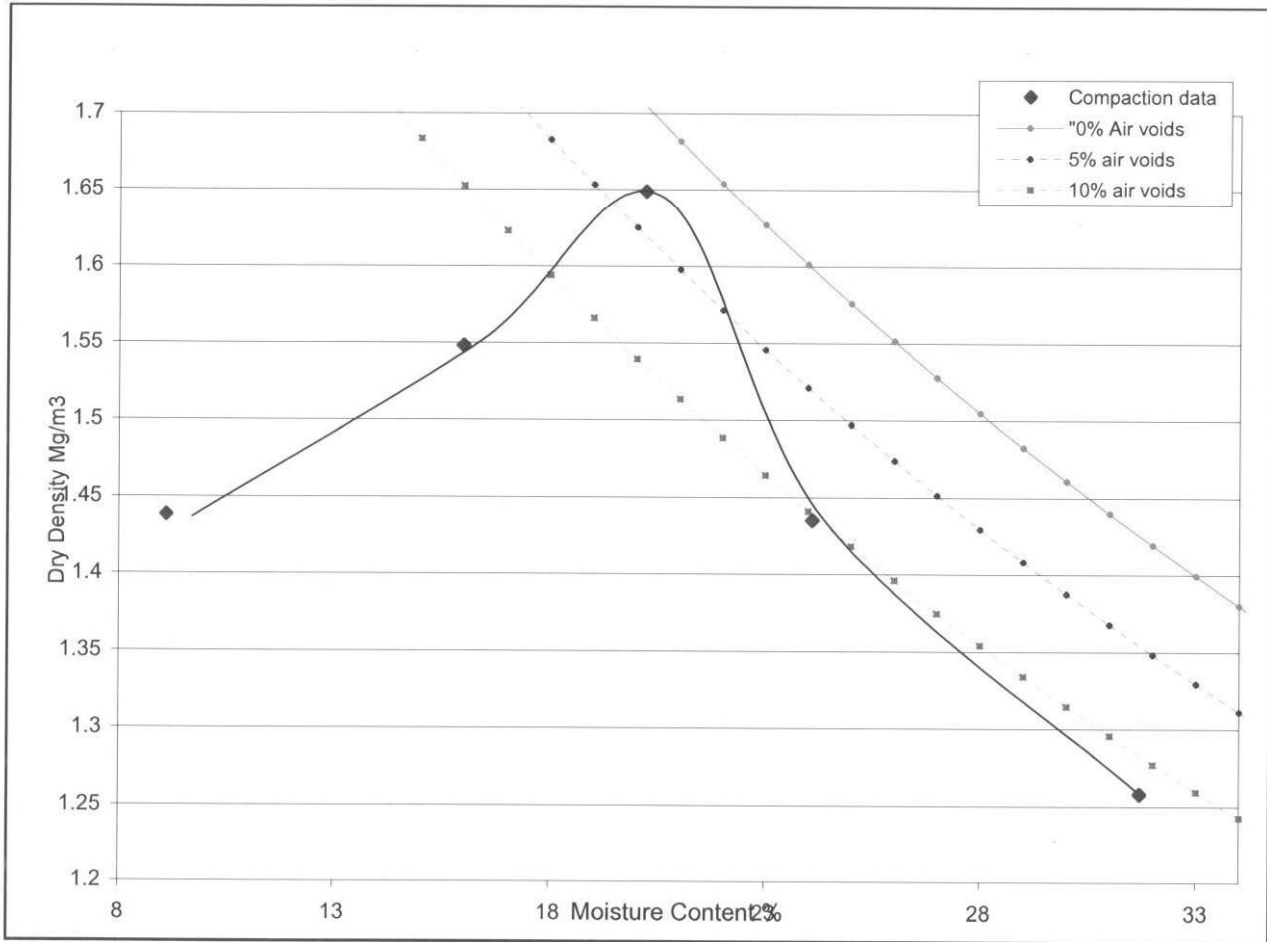
2.5kg COMPACTION SERIES TEST : BS1377 : PART 4 : 1990

Test Methods - 3.3

Preparation Methods - 3.2.4.1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP15	LAB NO :	07/0810/S
PROJECT NUMBER :	12370178	DEPTH(m)	0.5-1.2	STORE NO: N/A



SAMPLE RESULTS	
Maximum Dry Density Mg/m ³	1.65
Optimum Moisture Content %	20
As Received Moisture Content %	37
Particle Density	2.60

Assumed

SAMPLE DETAILS	
% Retained on a 37.5mm sieve	0
% Retained on a 20.00mm sieve	0

Notes :

- 1) Single sample used

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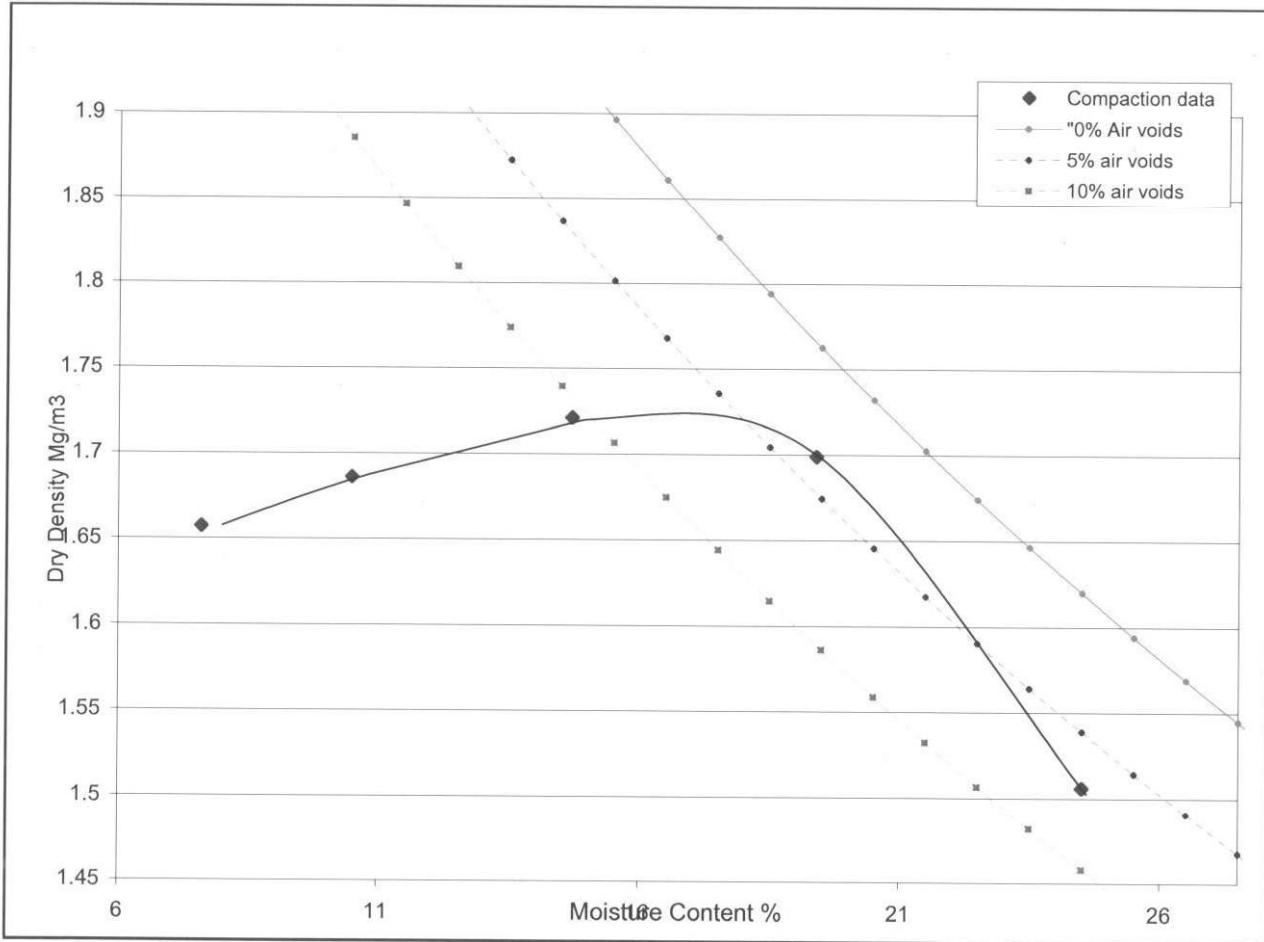
2.5kg COMPACTION SERIES TEST : BS1377 : PART 4 : 1990

Test Methods - 3.3

Preparation Methods - 3.2.4.1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP53	LAB NO :	07/0810/S
PROJECT NUMBER :	12370178	DEPTH(m)	1.00	STORE NO: N/A



SAMPLE RESULTS	
Maximum Dry Density	Mg/m ³ 1.73
Optimum Moisture Content %	17
As Received Moisture Content %	19
Particle Density	2.65

Assumed

SAMPLE DETAILS	
% Retained on a 37.5mm sieve	0
% Retained on a 20.00mm sieve	0

Notes :

- 1) Single sample used

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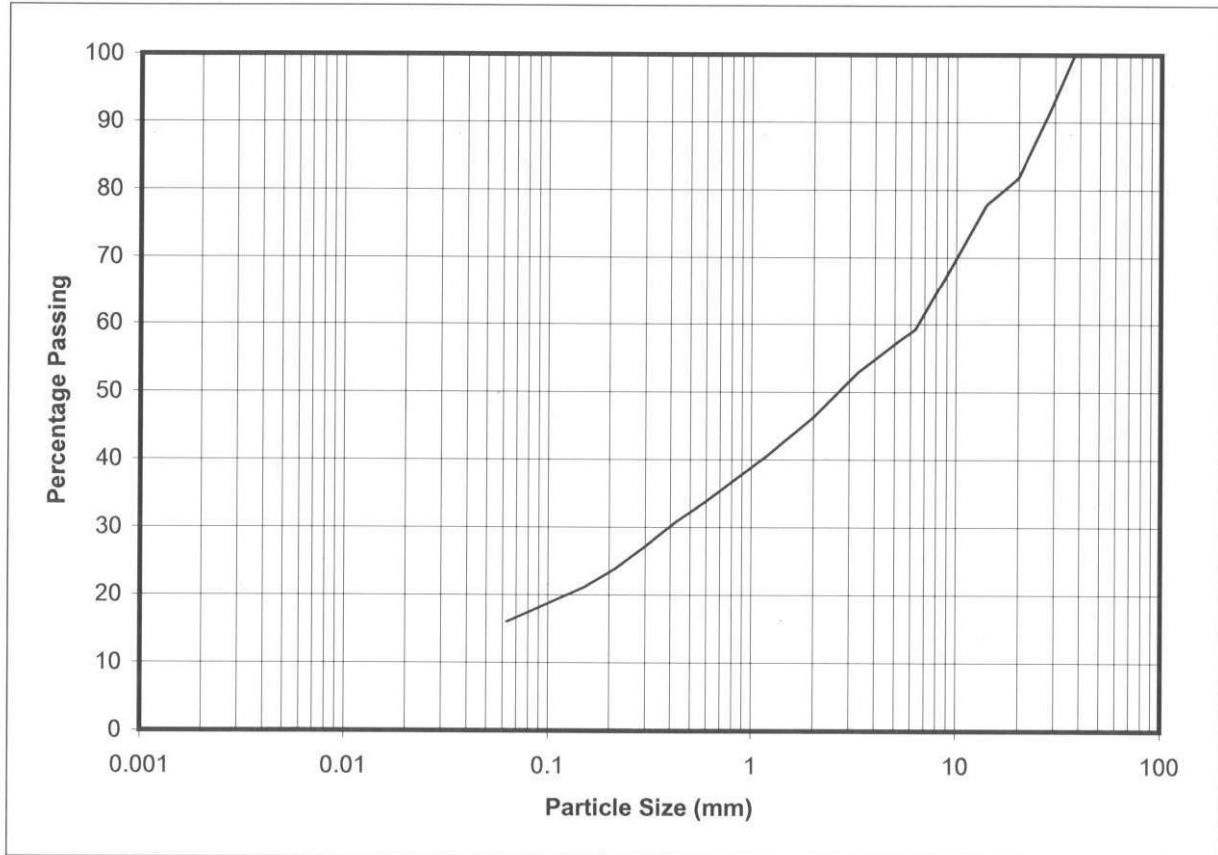
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP01	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.4-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	91.25
20.00	81.83
14.00	77.82
10.00	69.83
6.300	59.23
5.000	57.12
3.350	53.02
2.000	46.32
1.180	40.52
0.600	33.86
0.425	30.84
0.300	27.20
0.212	23.88
0.150	21.15
0.063	15.98

PARTICLE DIAMETER (mm)	% PASSING
2.00	46.32
0.063	15.98

SOIL FRACTION	TOTAL %
GRAVEL	53.68
SAND	30.34
SILT OR CLAY	15.98

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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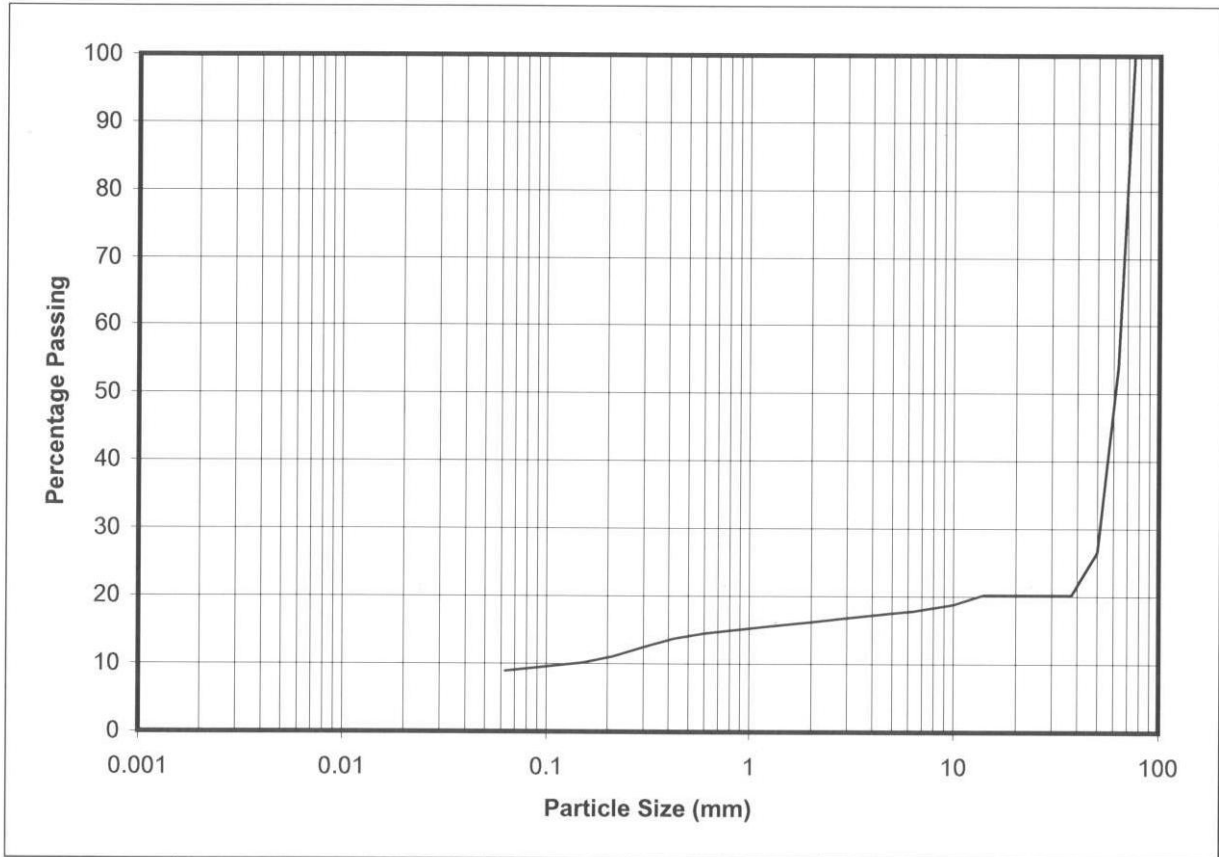
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP2	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	53.80
50.00	26.55
37.50	20.25
28.00	20.25
20.00	20.25
14.00	20.25
10.00	18.82
6.300	17.81
5.000	17.56
3.350	16.96
2.000	16.20
1.180	15.50
0.600	14.46
0.425	13.73
0.300	12.44
0.212	11.08
0.150	10.11
0.063	8.89

PARTICLE DIAMETER (mm)	% PASSING
2.00	16.20
0.063	8.89

SOIL FRACTION	TOTAL %
GRAVEL	83.80
SAND	7.31
SILT OR CLAY	8.89

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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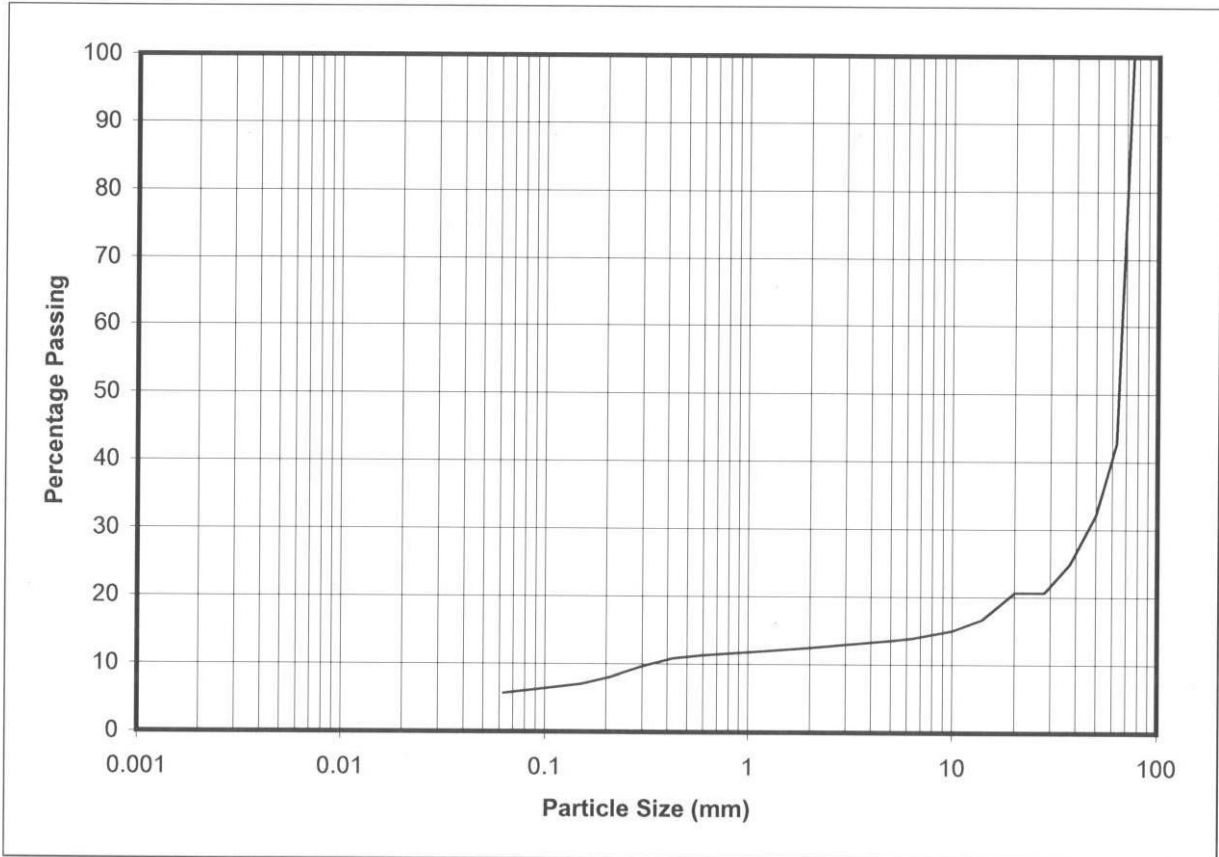
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP3	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	42.70	2.00	12.45	GRAVEL	87.55
50.00	32.17				
37.50	24.93	0.063	5.66	SAND	6.79
28.00	20.67				
20.00	20.67				
14.00	16.69				
10.00	14.98			SILT OR CLAY	5.66
6.300	13.86				
5.000	13.55				
3.350	13.04				
2.000	12.45				
1.180	11.93				
0.600	11.31				
0.425	10.85				
0.300	9.66				
0.212	8.13				
0.150	7.07				
0.063	5.66				

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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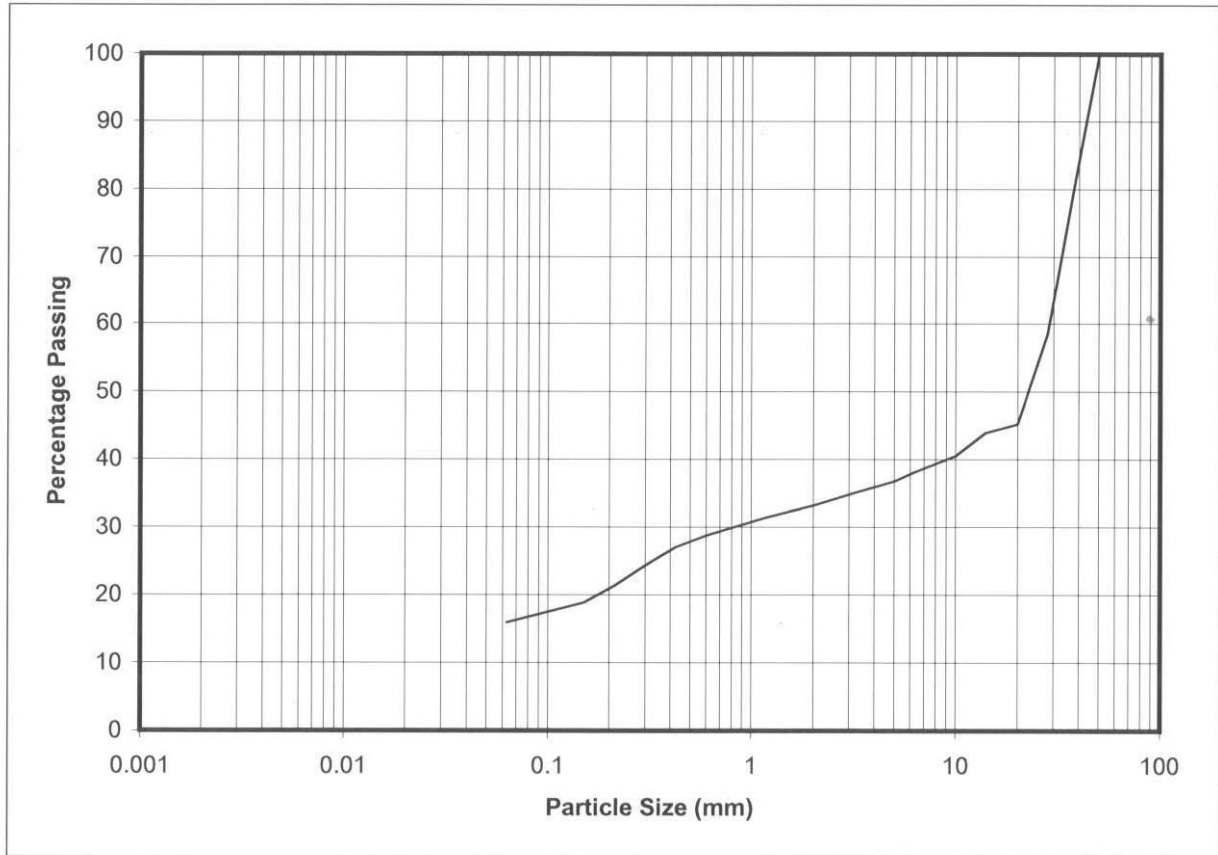
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP04	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	100.00				
50.00	100.00				
37.50	79.68				
28.00	58.40				
20.00	45.19				
14.00	43.92				
10.00	40.50				
6.300	38.13				
5.000	36.76				
3.350	35.24				
2.000	33.20	2.00	33.20	GRAVEL	66.80
1.180	31.41				
0.600	28.81				
0.425	27.06				
0.300	24.37				
0.212	21.36				
0.150	18.85				
0.063	15.89	0.063	15.89	SAND	17.31
				SILT OR CLAY	15.89

NOTES:
* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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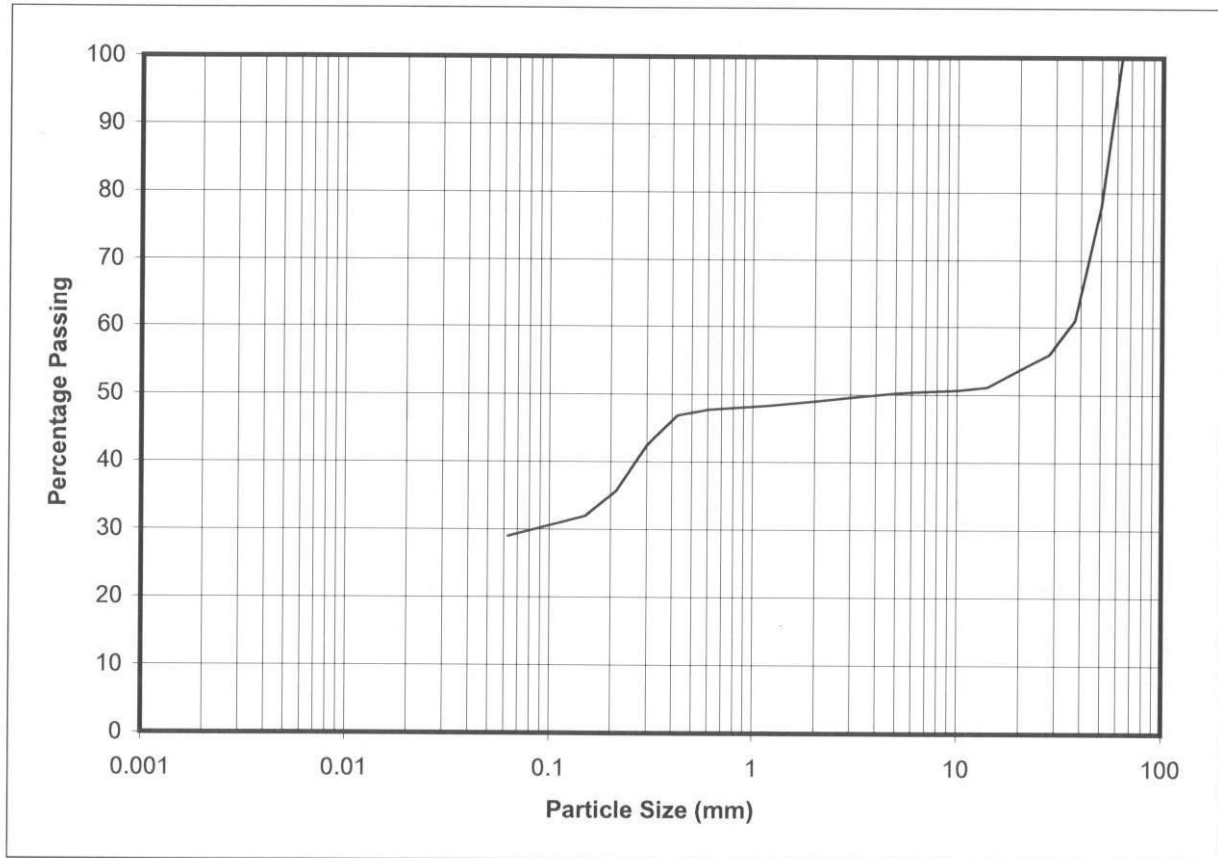
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP5	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	77.96
37.50	61.02
28.00	55.94
20.00	53.70
14.00	51.11
10.00	50.64
6.300	50.42
5.000	50.26
3.350	49.70
2.000	48.98
1.180	48.32
0.600	47.68
0.425	46.86
0.300	42.46
0.212	35.66
0.150	31.98
0.063	28.99

PARTICLE DIAMETER (mm)	% PASSING
2.00	48.98
0.063	28.99

SOIL FRACTION	TOTAL %
GRAVEL	51.02
SAND	19.99
SILT OR CLAY	28.99

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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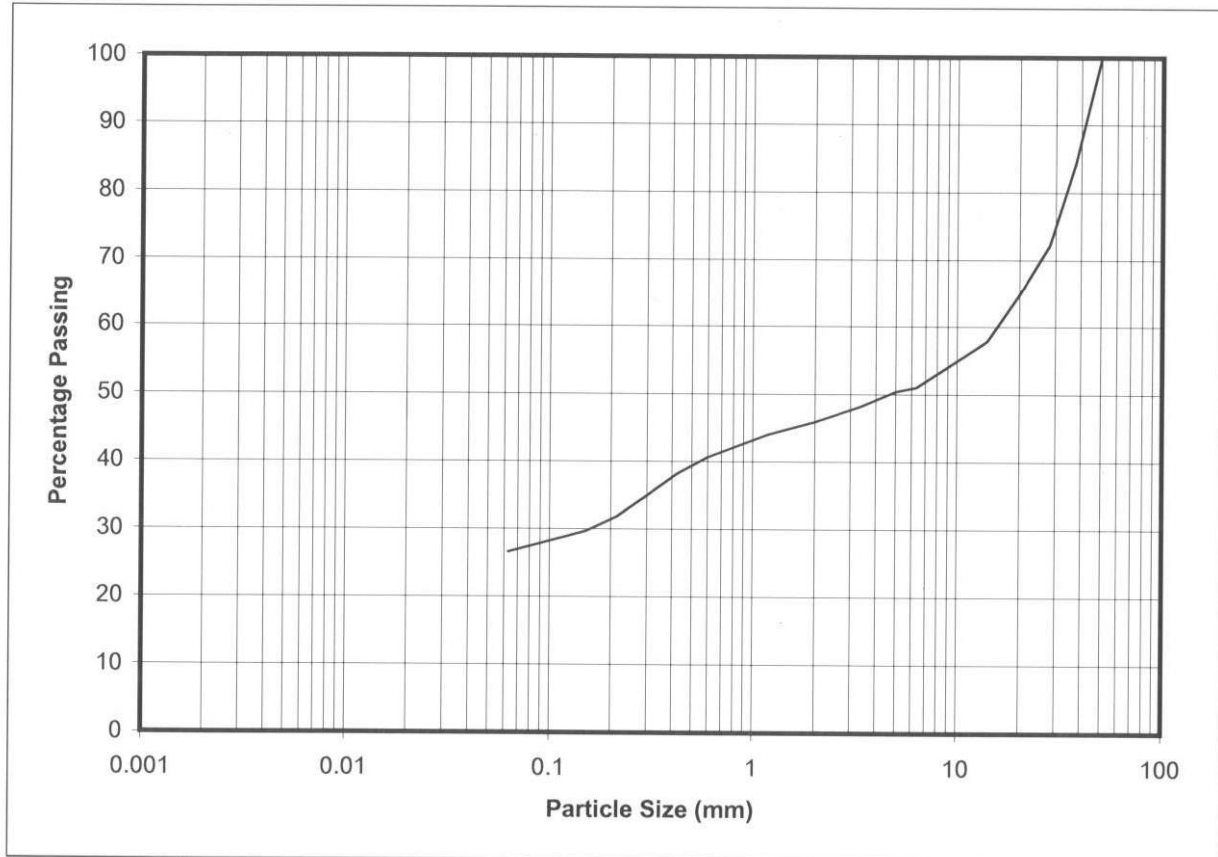
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP9	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.25-0.7	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	.
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	84.24
28.00	72.16
20.00	64.79
14.00	57.85
10.00	54.94
6.300	51.01
5.000	50.40
3.350	48.18
2.000	45.93
1.180	44.00
0.600	40.63
0.425	38.23
0.300	34.93
0.212	31.83
0.150	29.71
0.063	26.58

PARTICLE DIAMETER (mm)	% PASSING
2.00	45.93
0.063	26.58

SOIL FRACTION	TOTAL %
GRAVEL	54.07
SAND	19.35
SILT OR CLAY	26.58

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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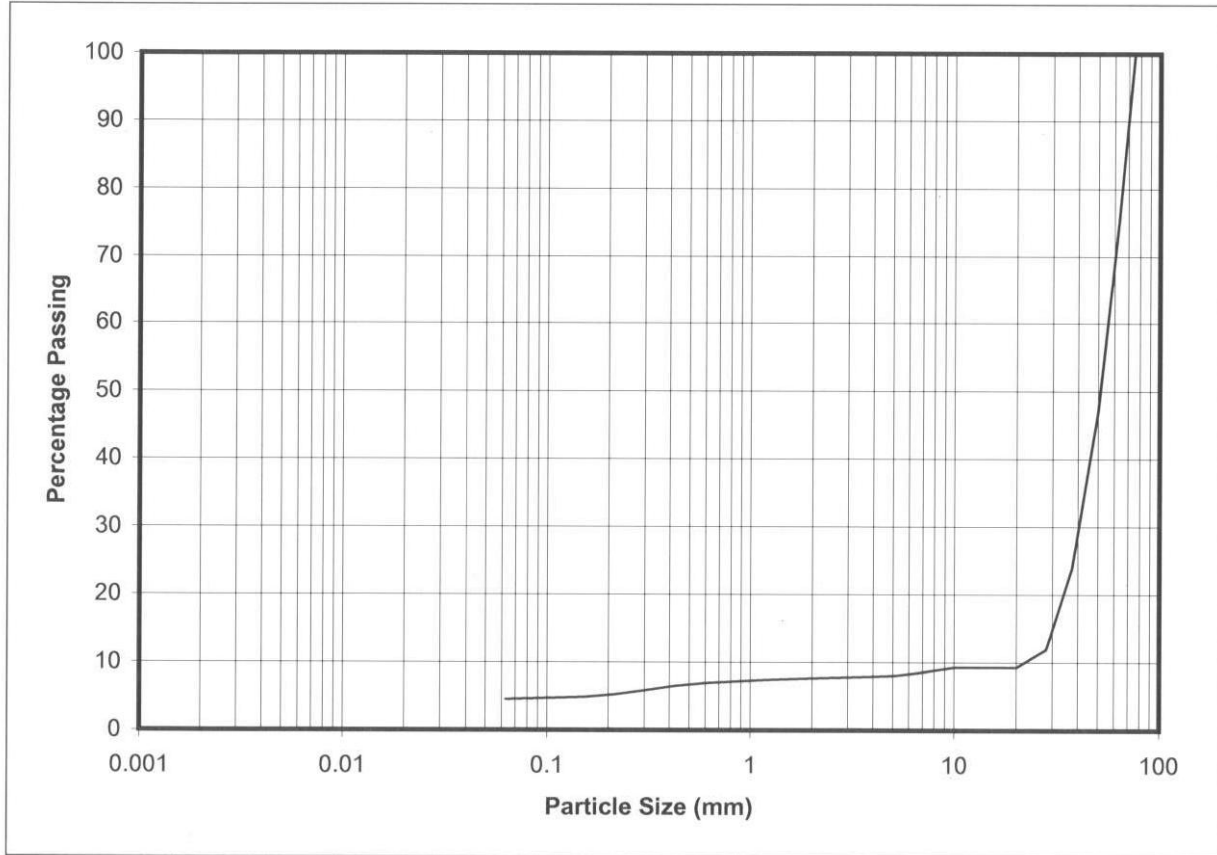
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Bicester	SAMPLE	TP10	LAB NO :	07/810/S
PROJECT NUMBER : 12370928	DEPTH(m)	0.5-0.8	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	75.30
50.00	47.02
37.50	23.90
28.00	11.91
20.00	9.29
14.00	9.29
10.00	9.29
6.300	8.37
5.000	8.04
3.350	7.88
2.000	7.63
1.180	7.43
0.600	6.94
0.425	6.54
0.300	5.90
0.212	5.28
0.150	4.90
0.063	4.56

PARTICLE DIAMETER (mm)	% PASSING
2.00	7.63
0.063	4.56

SOIL FRACTION	TOTAL %
GRAVEL	92.37
SAND	3.08
SILT OR CLAY	4.56

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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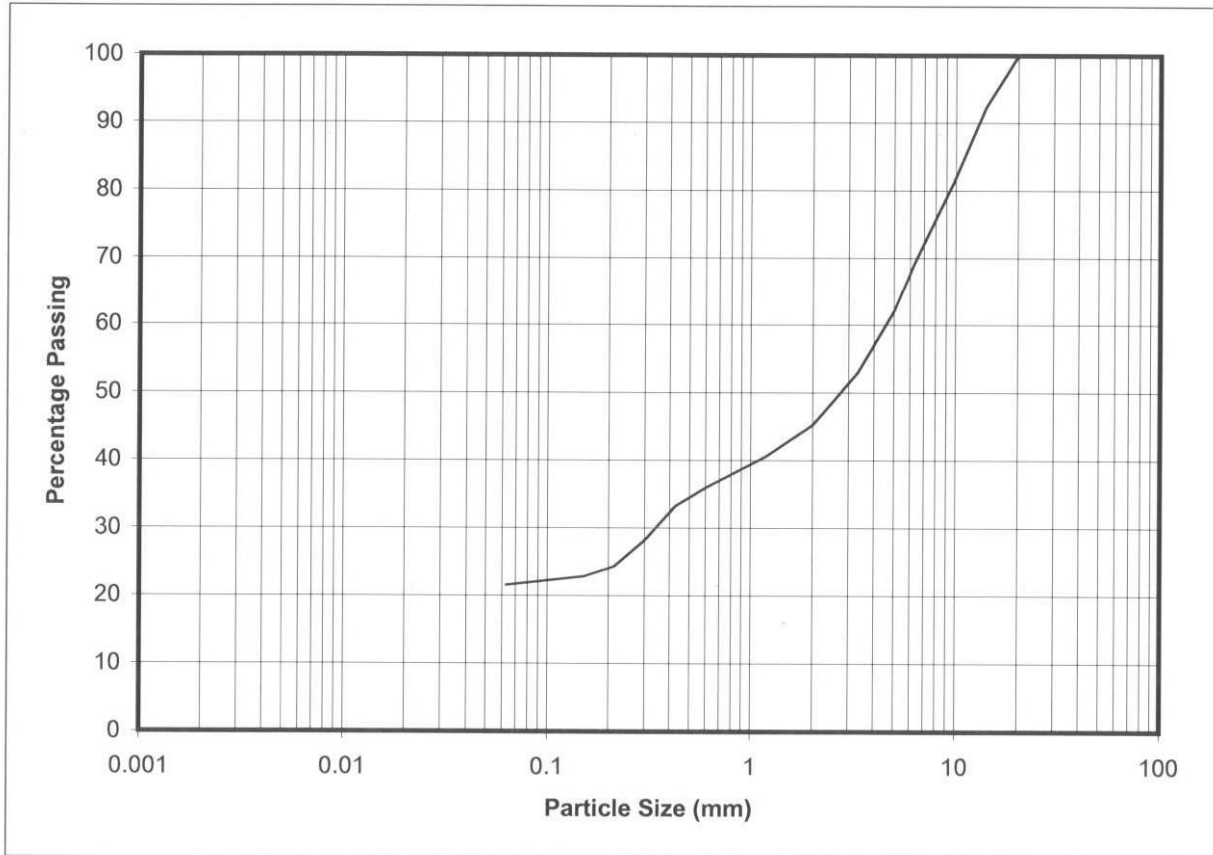
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP13	LAB NO :	07/0810/S
PROJECT NUMBER : 12370928	DEPTH(m)	0.7-1.2	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
	SILT			SAND			GRAVEL		

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	100.00
20.00	100.00
14.00	92.34
10.00	81.87
6.300	69.31
5.000	62.03
3.350	53.04
2.000	45.20
1.180	40.54
0.600	35.95
0.425	33.18
0.300	28.18
0.212	24.30
0.150	22.81
0.063	21.58

PARTICLE DIAMETER (mm)	% PASSING
2.00	45.20
0.063	21.58

SOIL FRACTION	TOTAL %
GRAVEL	54.80
SAND	23.63
SILT OR CLAY	21.58

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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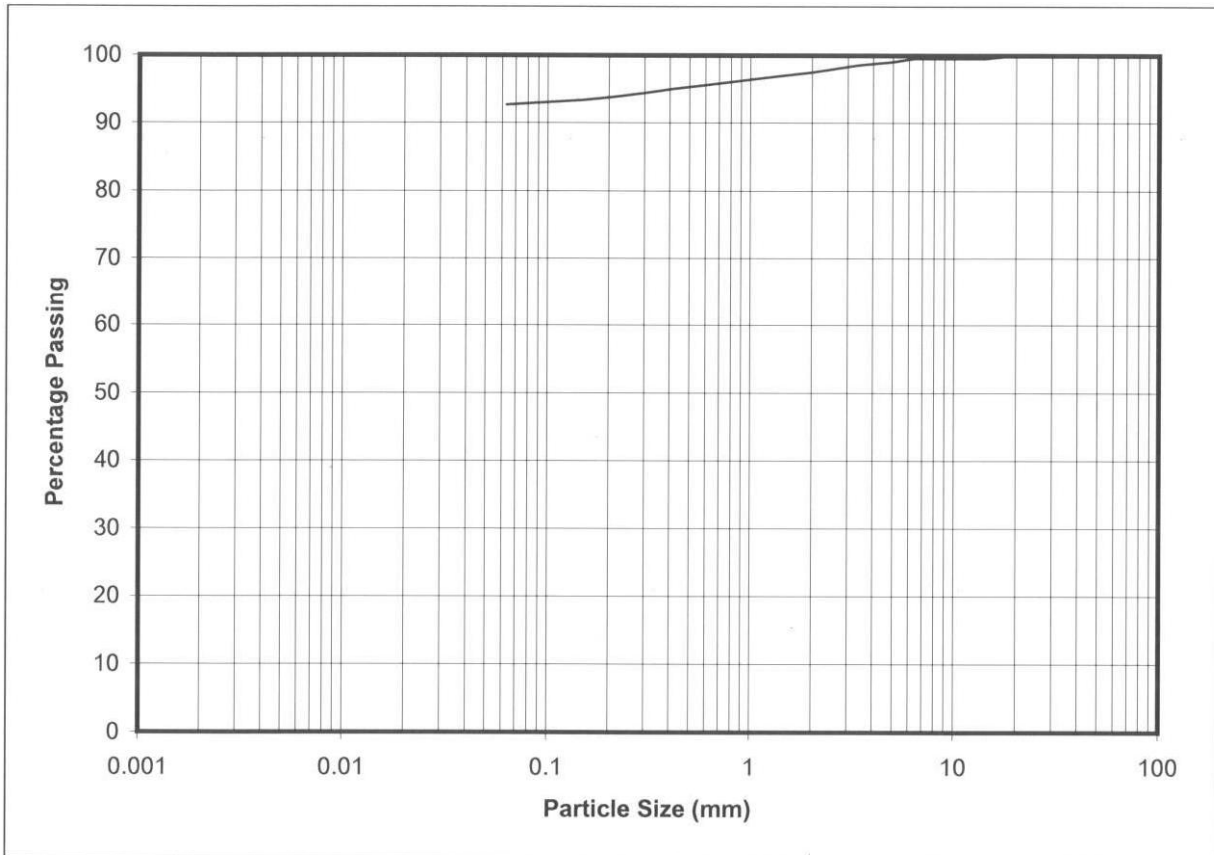
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP13	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.5-2.0	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	100.00				
50.00	100.00				
37.50	100.00				
28.00	100.00				
20.00	100.00				
14.00	99.57				
10.00	99.57				
6.300	99.57				
5.000	99.10				
3.350	98.56				
2.000	97.51	2.00	97.51	GRAVEL	2.49
1.180	96.71				
0.600	95.60				
0.425	95.05				
0.300	94.44				
0.212	93.84				
0.150	93.39				
0.063	92.68	0.063	92.68	SAND	4.83
				SILT OR CLAY	92.68

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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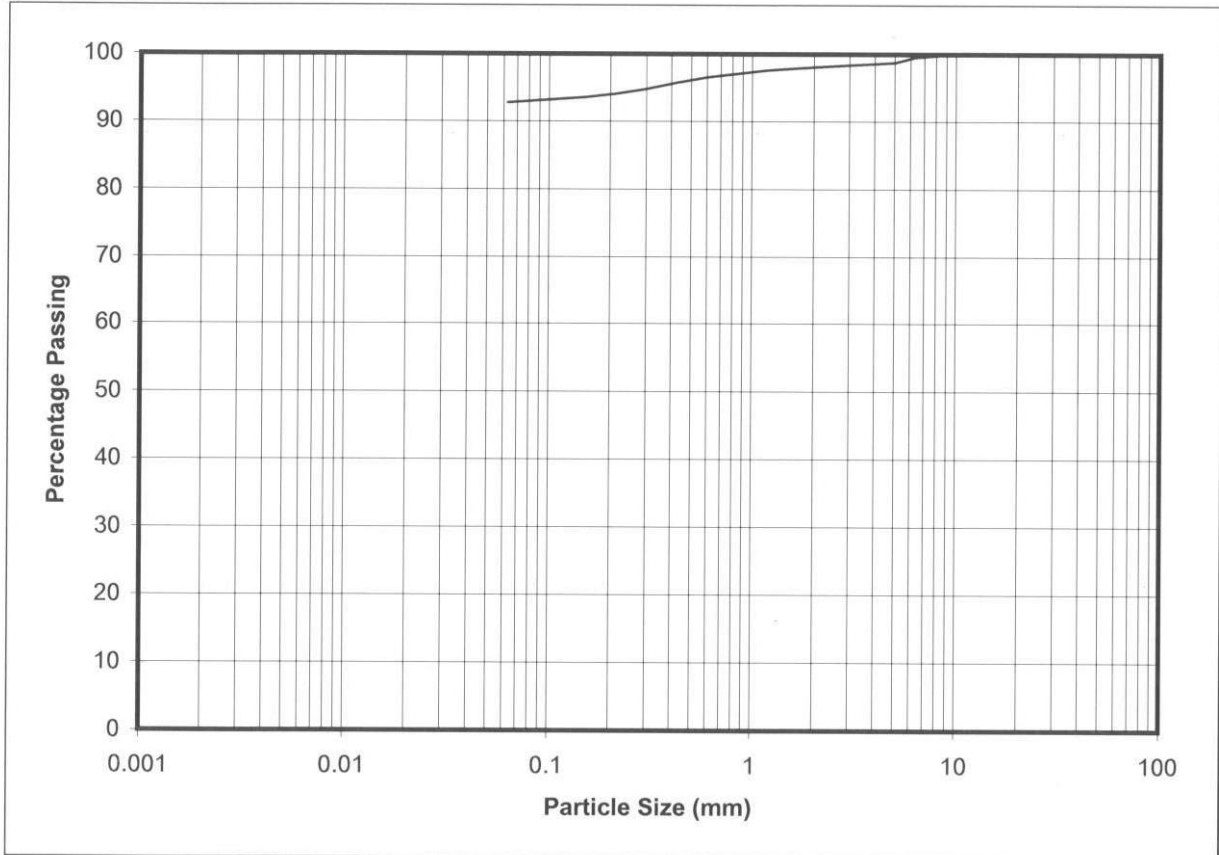
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Bicester	SAMPLE	TP15	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.65-1.20	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	100.00
20.00	100.00
14.00	100.00
10.00	100.00
6.300	99.50
5.000	98.76
3.350	98.45
2.000	98.11
1.180	97.61
0.600	96.53
0.425	95.78
0.300	94.82
0.212	94.08
0.150	93.55
0.063	92.78

PARTICLE DIAMETER (mm)	% PASSING
2.00	98.11
0.063	92.78

SOIL FRACTION	TOTAL %
GRAVEL	1.89
SAND	5.33
SILT OR CLAY	92.78

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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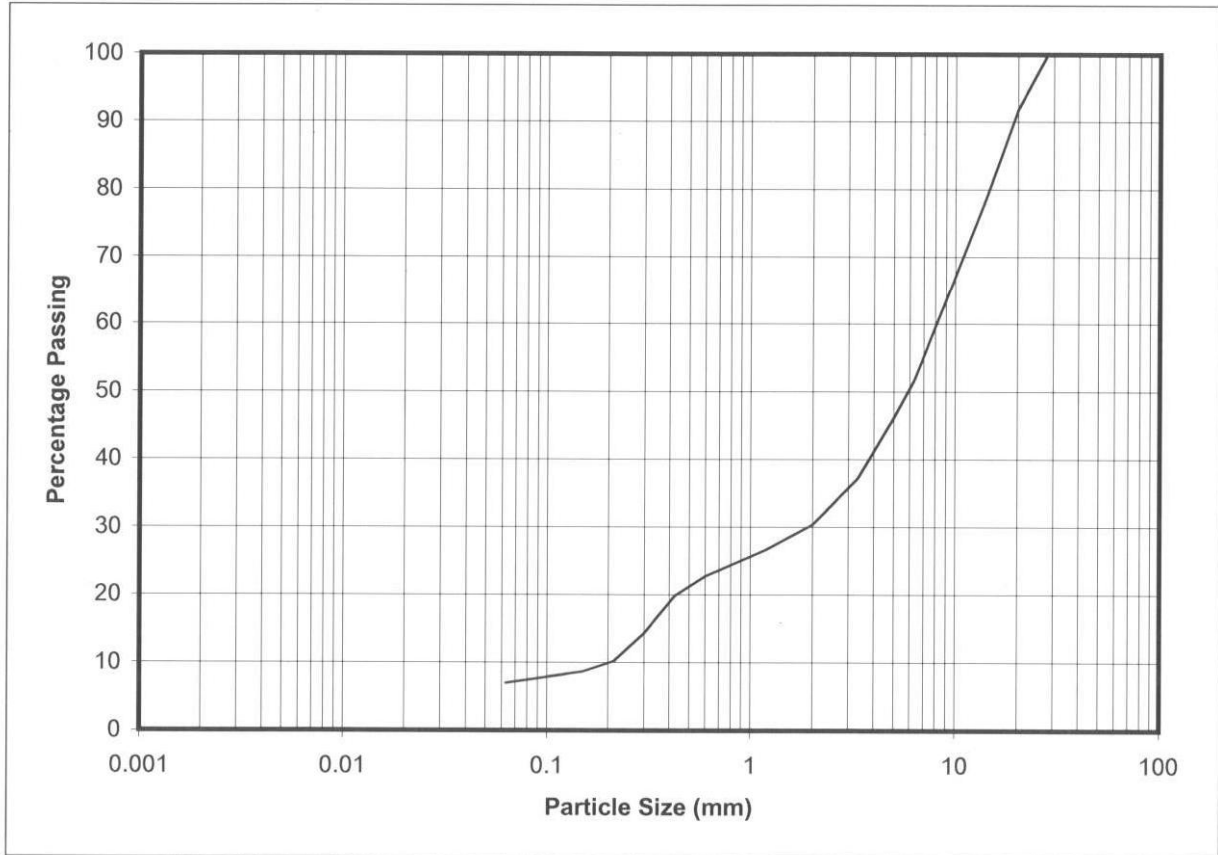
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP15	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.2-1.5	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	100.00
20.00	91.77
14.00	78.42
10.00	67.06
6.300	51.72
5.000	46.12
3.350	37.23
2.000	30.37
1.180	26.64
0.600	22.73
0.425	19.86
0.300	14.34
0.212	10.21
0.150	8.71
0.063	6.98

PARTICLE DIAMETER (mm)	% PASSING
2.00	30.37
0.063	6.98

SOIL FRACTION	TOTAL %
GRAVEL	69.63
SAND	23.39
SILT OR CLAY	6.98

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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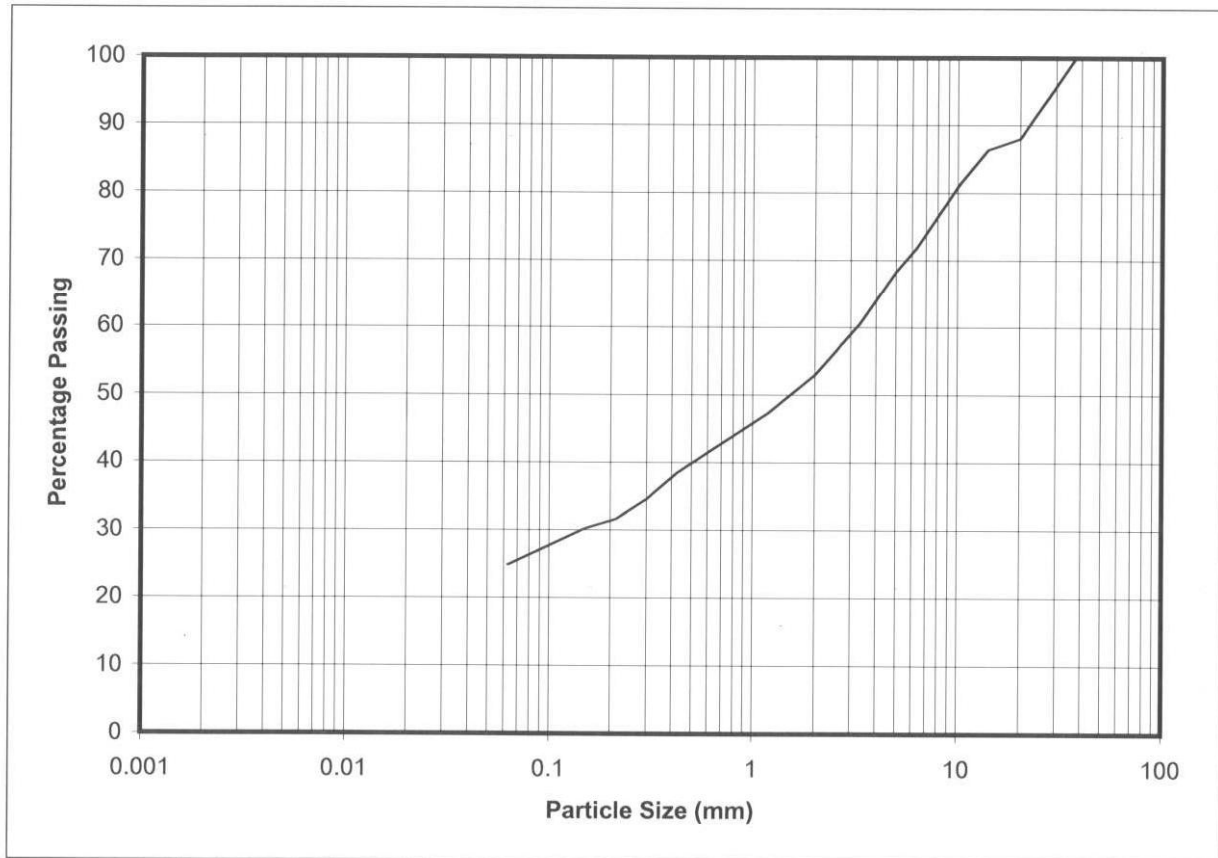
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP16	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.8-1.2	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	94.43
20.00	88.03
14.00	86.33
10.00	80.90
6.300	71.86
5.000	68.27
3.350	60.63
2.000	52.94
1.180	47.28
0.600	41.46
0.425	38.46
0.300	34.57
0.212	31.66
0.150	30.28
0.063	24.86

PARTICLE DIAMETER (mm)	% PASSING
2.00	52.94
0.063	24.86

SOIL FRACTION	TOTAL %
GRAVEL	47.06
SAND	28.08
SILT OR CLAY	24.86

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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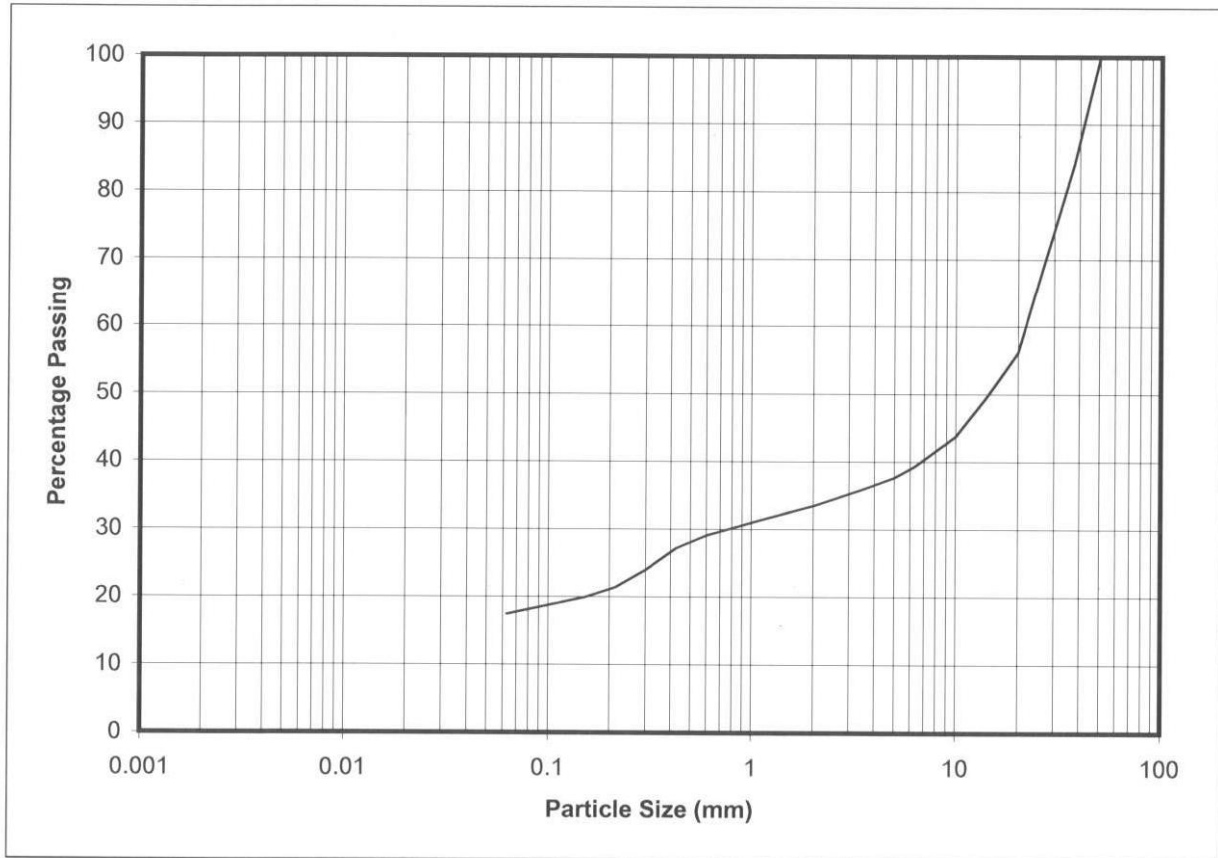


PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL.9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP20	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.8-1.1	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	84.06
28.00	71.29
20.00	56.22
14.00	49.43
10.00	43.76
6.300	39.30
5.000	37.67
3.350	35.73
2.000	33.47
1.180	31.63
0.600	29.11
0.425	27.23
0.300	23.99
0.212	21.42
0.150	19.93
0.063	17.43

PARTICLE DIAMETER (mm)	% PASSING
2.00	33.47
0.063	17.43

SOIL FRACTION	TOTAL %
GRAVEL	66.53
SAND	16.04
SILT OR CLAY	17.43

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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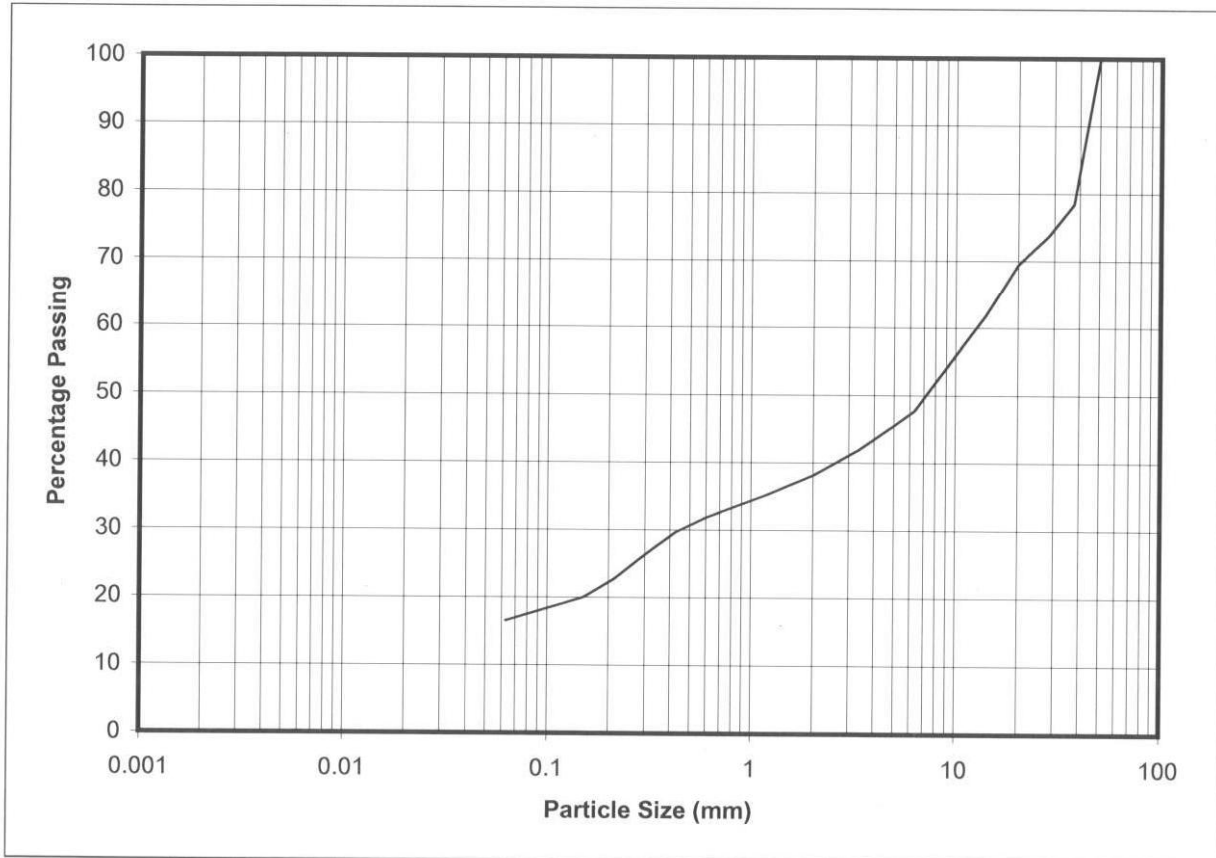
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1

PROJECT : Whitelands Farm, Bicester	SAMPLE	TP21	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.70	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	78.41
28.00	73.69
20.00	69.48
14.00	61.81
10.00	55.88
6.300	47.67
5.000	45.51
3.350	41.86
2.000	38.15
1.180	35.19
0.600	31.87
0.425	29.70
0.300	26.38
0.212	22.74
0.150	20.03
0.063	16.57

PARTICLE DIAMETER (mm)	% PASSING
2.00	38.15
0.063	16.57

SOIL FRACTION	TOTAL %
GRAVEL	61.85
SAND	21.58
SILT OR CLAY	16.57

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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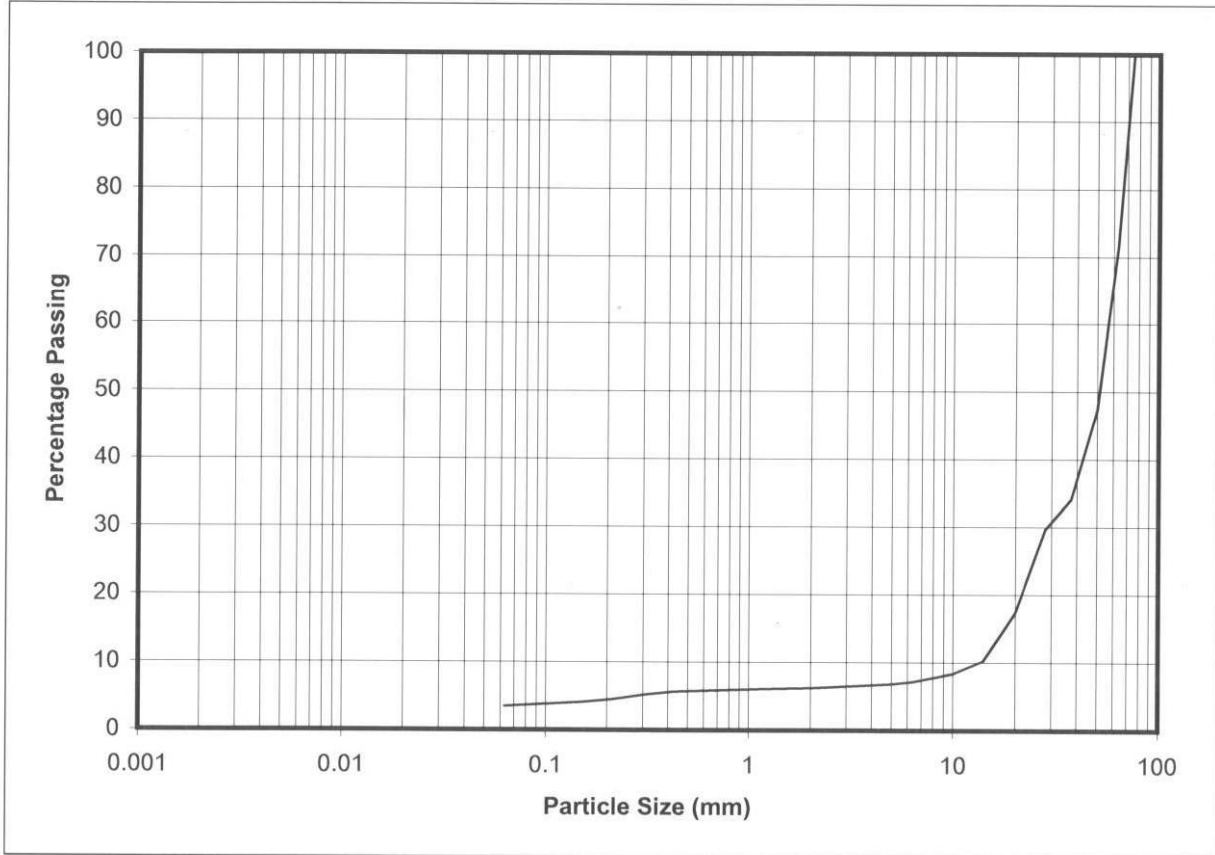
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP22	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.5-0.7	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	71.54
50.00	47.30
37.50	34.09
28.00	29.76
20.00	17.38
14.00	10.26
10.00	8.40
6.300	7.16
5.000	6.89
3.350	6.57
2.000	6.29
1.180	6.08
0.600	5.85
0.425	5.68
0.300	5.19
0.212	4.55
0.150	4.13
0.063	3.50

PARTICLE DIAMETER (mm)	% PASSING
2.00	6.29
0.063	3.50

SOIL FRACTION	TOTAL %
GRAVEL	93.71
SAND	2.79
SILT OR CLAY	3.50

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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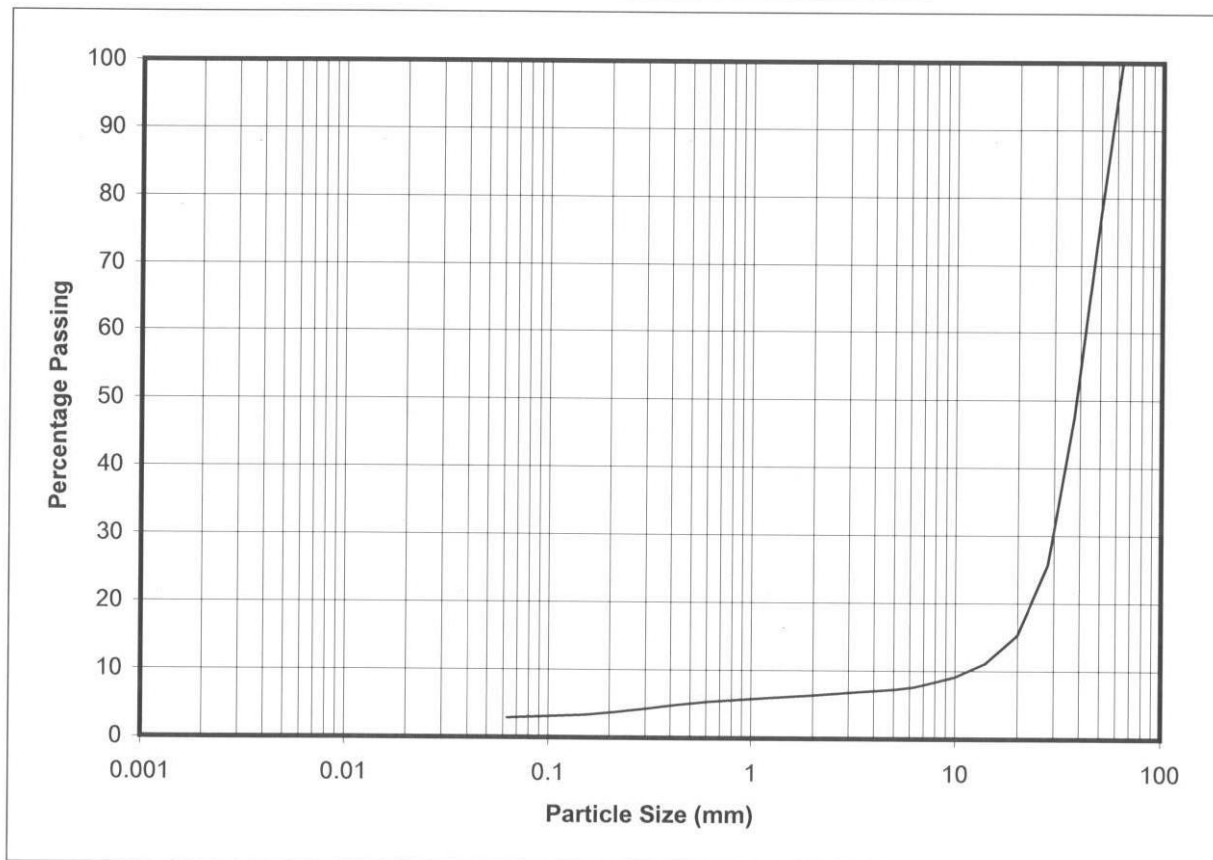
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP26	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.80	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	77.69
37.50	47.51
28.00	25.69
20.00	15.33
14.00	11.11
10.00	9.16
6.300	7.67
5.000	7.31
3.350	6.92
2.000	6.41
1.180	5.97
0.600	5.35
0.425	4.90
0.300	4.31
0.212	3.77
0.150	3.39
0.063	2.91

PARTICLE DIAMETER (mm)	% PASSING
2.00	6.41
0.063	2.91

SOIL FRACTION	TOTAL %
GRAVEL	93.59
SAND	3.50
SILT OR CLAY	2.91

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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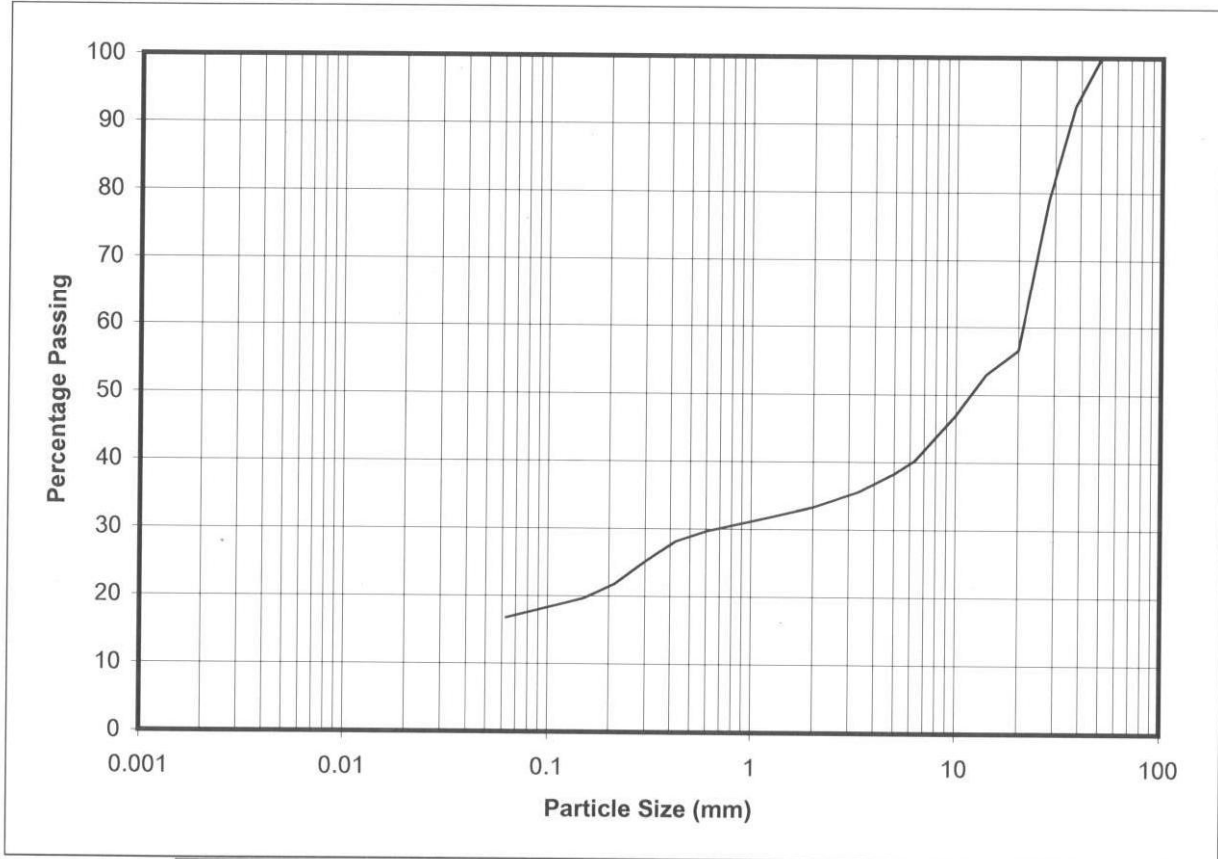
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP27	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.60	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	92.78
28.00	79.05
20.00	56.66
14.00	53.02
10.00	47.00
6.300	40.20
5.000	38.25
3.350	35.57
2.000	33.31
1.180	31.70
0.600	29.68
0.425	28.17
0.300	25.16
0.212	21.80
0.150	19.66
0.063	16.76

PARTICLE DIAMETER (mm)	% PASSING
2.00	33.31
0.063	16.76

SOIL FRACTION	TOTAL %
GRAVEL	66.69
SAND	16.55
SILT OR CLAY	16.76

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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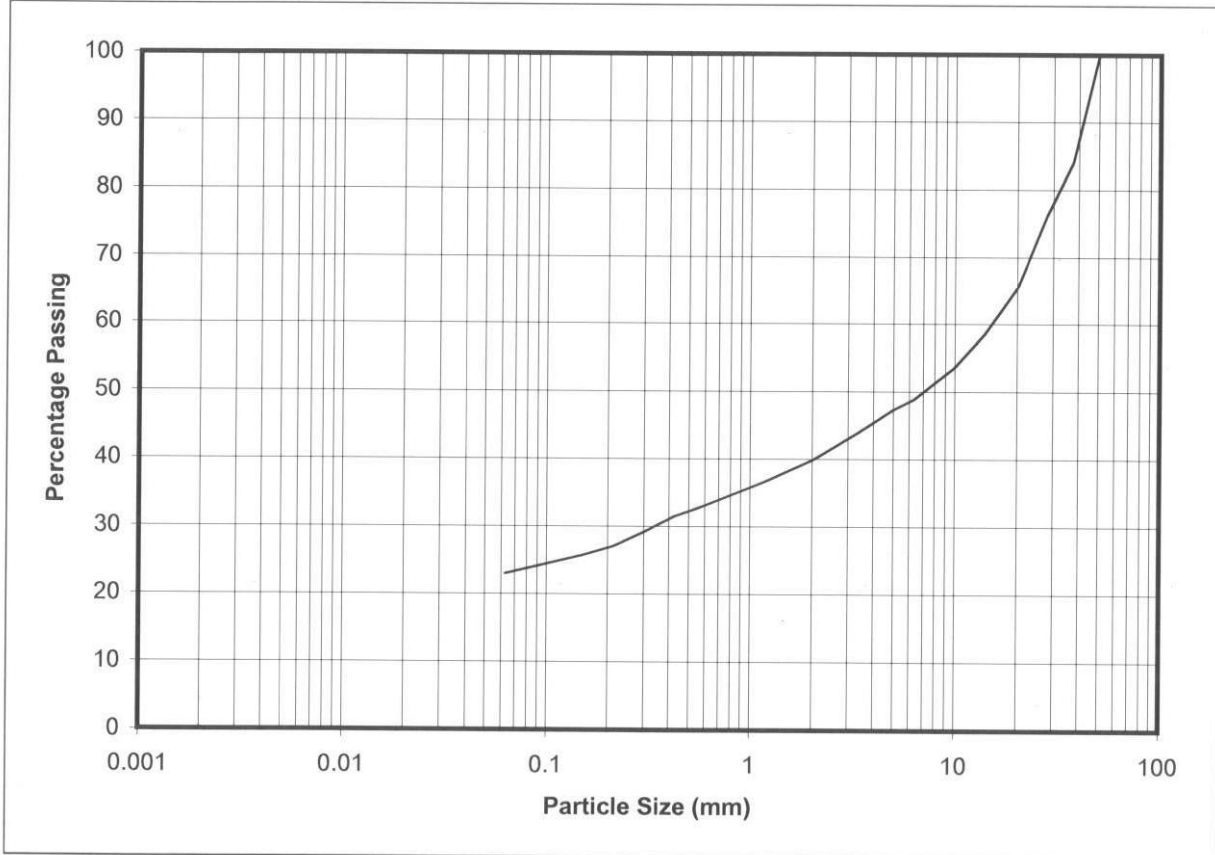
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP29	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.5-1.0	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	84.05
28.00	76.26
20.00	65.35
14.00	58.56
10.00	53.66
6.300	48.86
5.000	47.35
3.350	43.84
2.000	39.83
1.180	36.64
0.600	33.14
0.425	31.50
0.300	29.22
0.212	27.08
0.150	25.72
0.063	23.00

PARTICLE DIAMETER (mm)	% PASSING
2.00	39.83
0.063	23.00

SOIL FRACTION	TOTAL %
GRAVEL	60.17
SAND	16.83
SILT OR CLAY	23.00

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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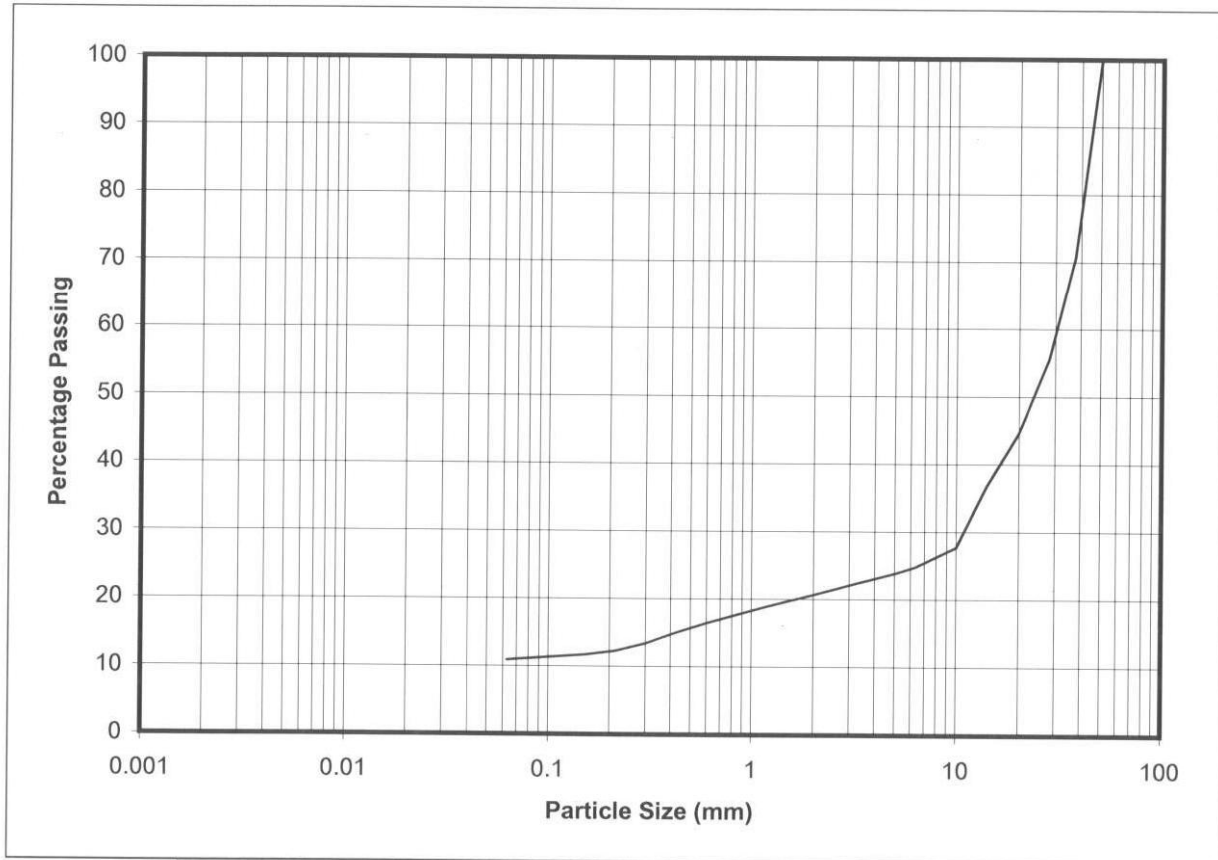
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1

PROJECT : Whitelands Farm, Bicester	SAMPLE	TP33	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.0-1.2	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	70.68
28.00	55.51
20.00	44.65
14.00	36.71
10.00	27.74
6.300	24.80
5.000	23.85
3.350	22.49
2.000	20.67
1.180	18.95
0.600	16.45
0.425	14.99
0.300	13.40
0.212	12.29
0.150	11.72
0.063	10.90

PARTICLE DIAMETER (mm)	% PASSING
2.00	20.67
0.063	10.90

SOIL FRACTION	TOTAL %
GRAVEL	79.33
SAND	9.77
SILT OR CLAY	10.90

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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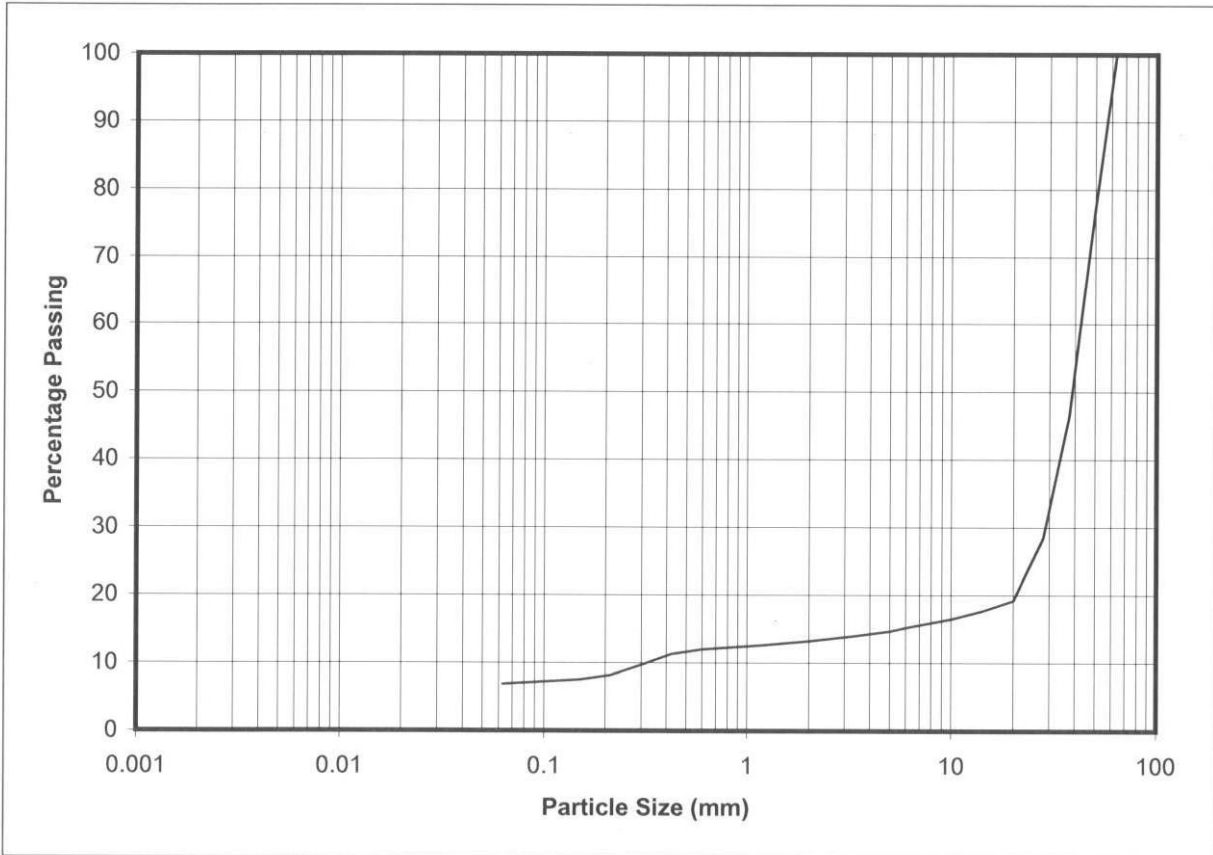
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP45	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.6	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	77.34
37.50	46.43
28.00	28.47
20.00	19.21
14.00	17.63
10.00	16.51
6.300	15.36
5.000	14.72
3.350	13.99
2.000	13.23
1.180	12.64
0.600	11.98
0.425	11.34
0.300	9.71
0.212	8.21
0.150	7.50
0.063	6.89

PARTICLE DIAMETER (mm)	% PASSING
2.00	13.23
0.063	6.89

SOIL FRACTION	TOTAL %
GRAVEL	86.77
SAND	6.34
SILT OR CLAY	6.89

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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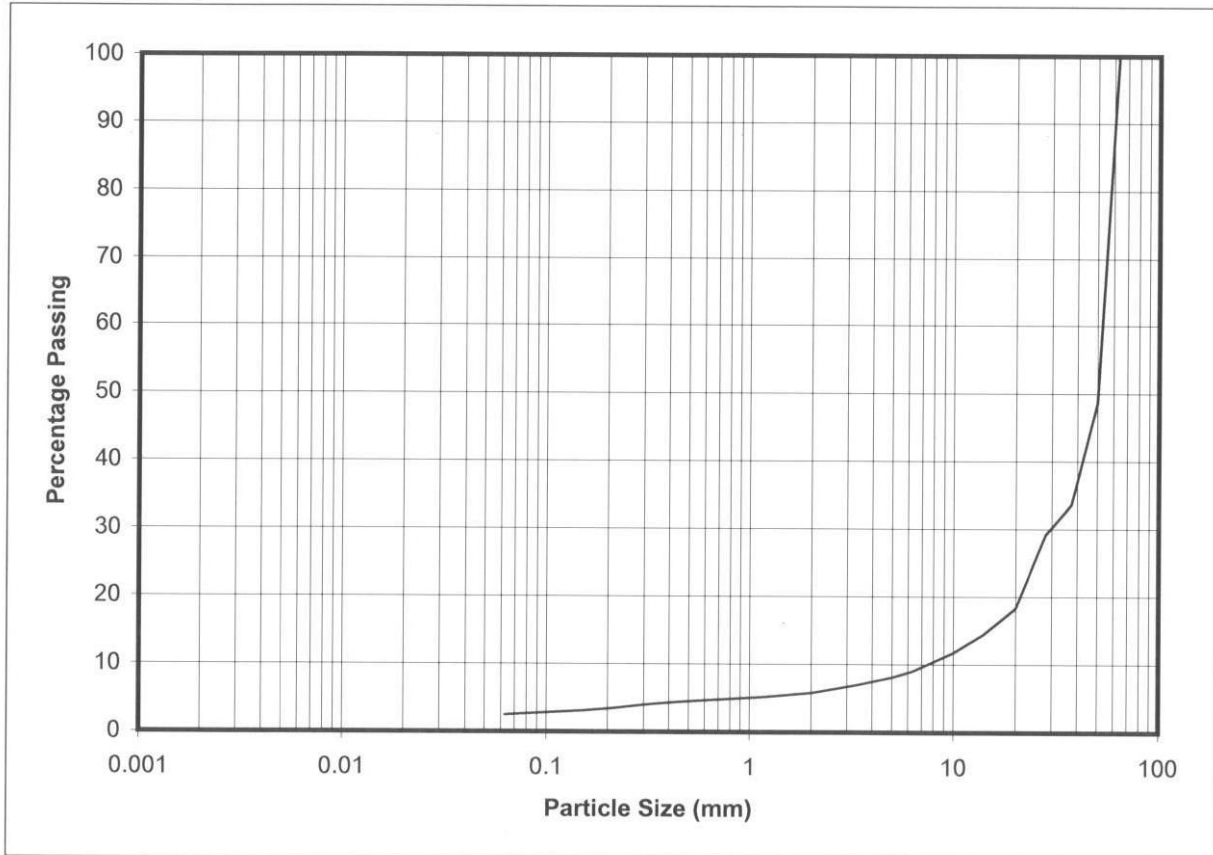


PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1

PROJECT : Whitelands Farm, Bicester	SAMPLE	TP46	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.2-0.6	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
	SILT			SAND			GRAVEL		

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	48.62
37.50	33.62
28.00	29.24
20.00	18.34
14.00	14.45
10.00	11.78
6.300	9.01
5.000	8.11
3.350	7.02
2.000	5.84
1.180	5.17
0.600	4.66
0.425	4.41
0.300	4.01
0.212	3.52
0.150	3.13
0.063	2.52

PARTICLE DIAMETER (mm)	% PASSING
2.00	5.84
0.063	2.52

SOIL FRACTION	TOTAL %
GRAVEL	94.16
SAND	3.32
SILT OR CLAY	2.52

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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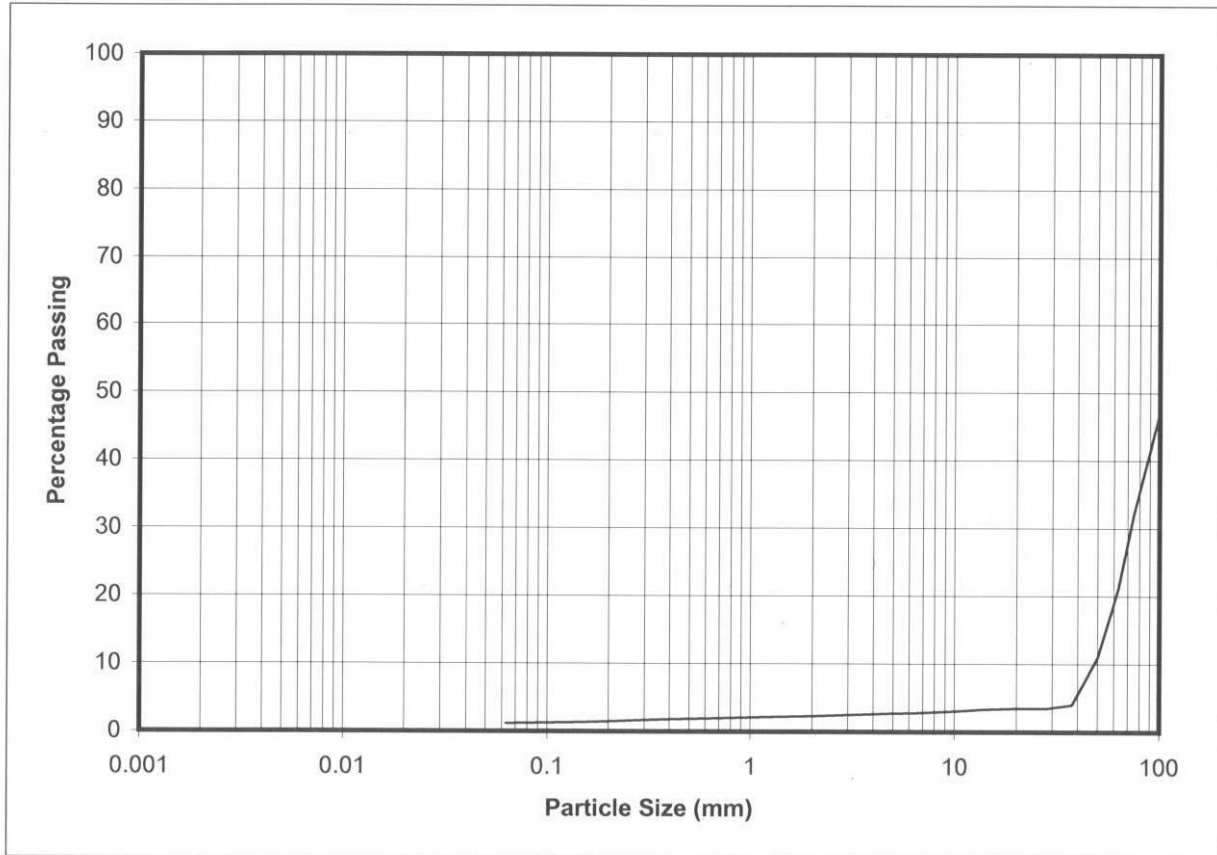
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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ISSUE 1 REV 1



PROJECT : Bicester	SAMPLE	TP49	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.7-1.0	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	59.38
90.00	41.28
75.00	32.09
63.00	21.14
50.00	10.92
37.50	4.01
28.00	3.50
20.00	3.50
14.00	3.37
10.00	3.08
6.300	2.81
5.000	2.73
3.350	2.56
2.000	2.33
1.180	2.15
0.600	1.94
0.425	1.82
0.300	1.67
0.212	1.51
0.150	1.40
0.063	1.18

PARTICLE DIAMETER (mm)	% PASSING
2.00	2.33
0.063	1.18

SOIL FRACTION	TOTAL %
GRAVEL	97.67
SAND	1.16
SILT OR CLAY	1.18

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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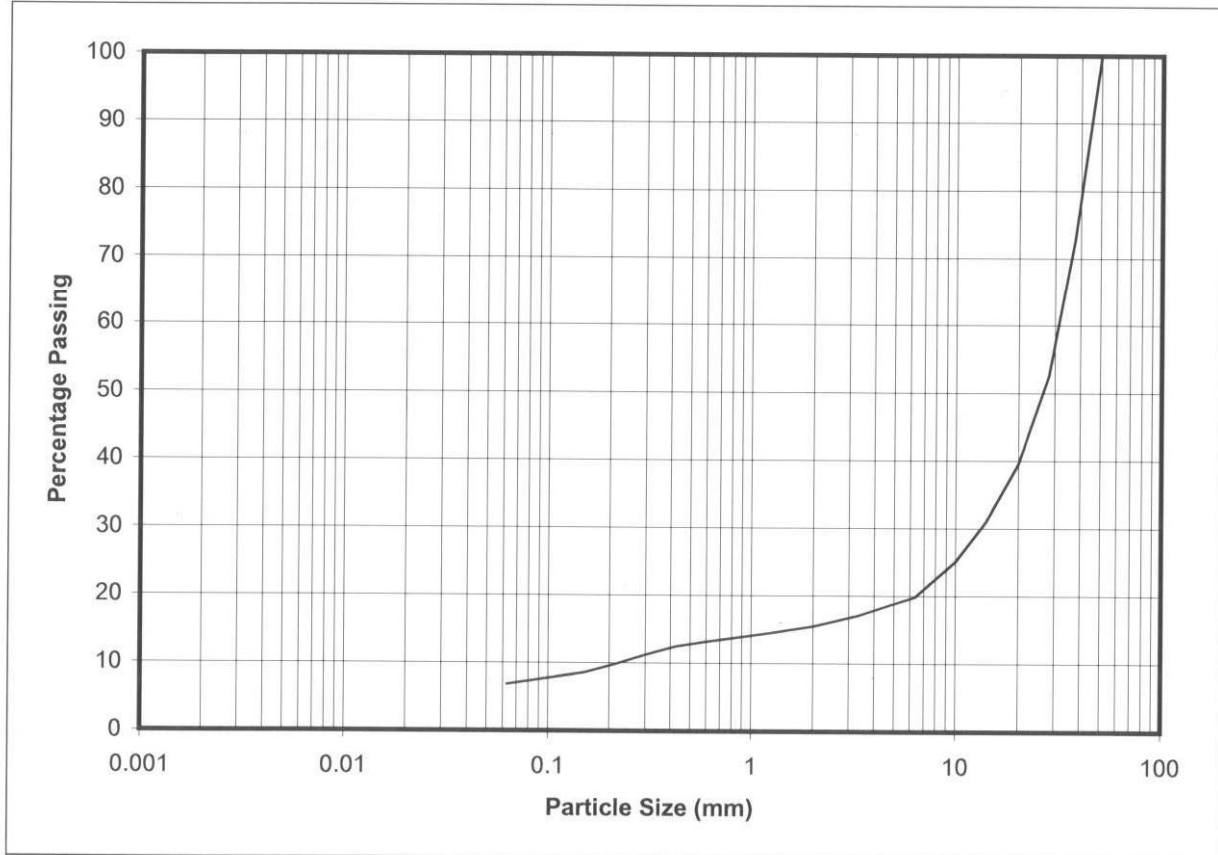
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ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP51	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.0-1.4	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	72.68
28.00	52.45
20.00	39.56
14.00	30.97
10.00	25.14
6.300	19.79
5.000	18.86
3.350	17.12
2.000	15.53
1.180	14.41
0.600	13.17
0.425	12.45
0.300	11.26
0.212	9.83
0.150	8.57
0.063	6.88

PARTICLE DIAMETER (mm)	% PASSING
2.00	15.53
0.063	6.88

SOIL FRACTION	TOTAL %
GRAVEL	84.47
SAND	8.65
SILT OR CLAY	6.88

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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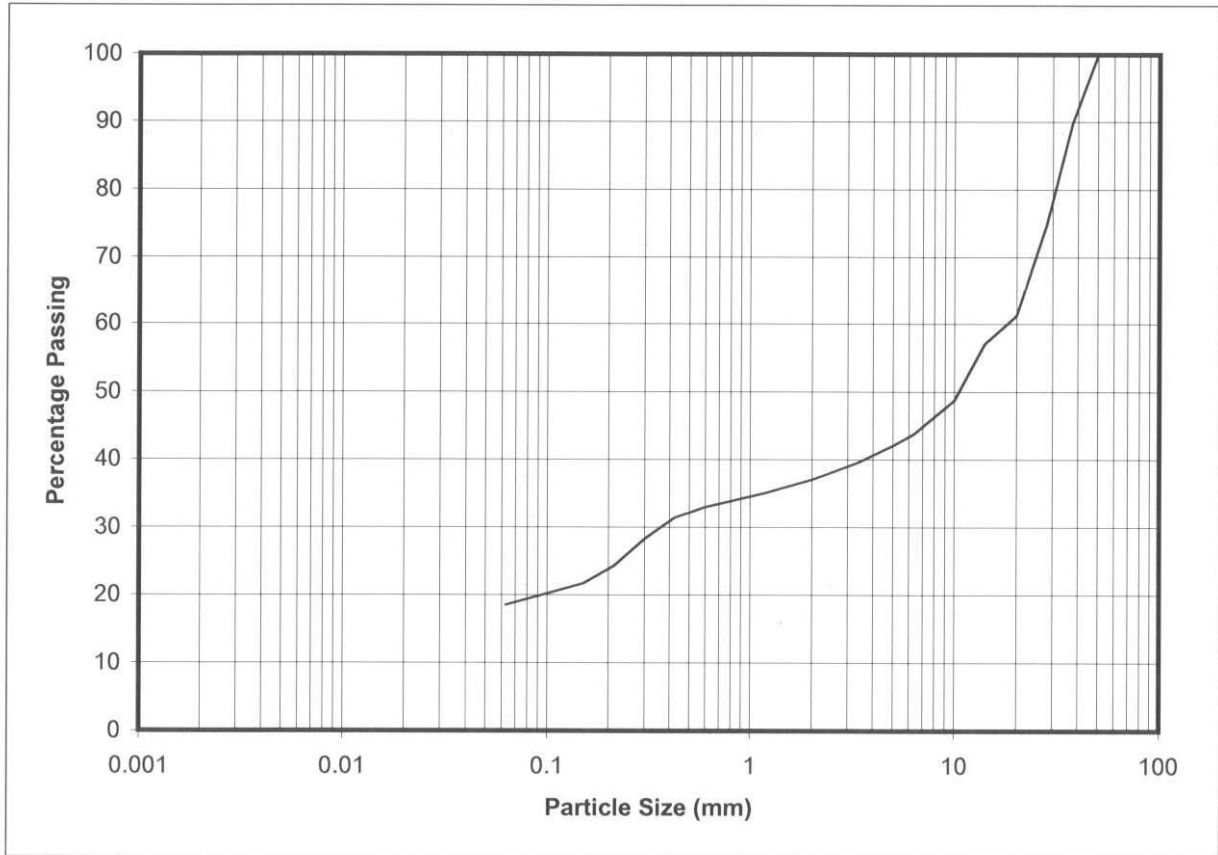
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP52	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.5-1.0	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	100.00				
50.00	100.00				
37.50	89.74				
28.00	74.80				
20.00	61.24				
14.00	56.97				
10.00	48.76				
6.300	43.69				
5.000	42.06				
3.350	39.51				
2.000	37.03	2.00	37.03	GRAVEL	62.97
1.180	35.06				
0.600	32.93				
0.425	31.48				
0.300	28.34				
0.212	24.30				
0.150	21.68				
0.063	18.56	0.063	18.56	SAND	18.47
				SILT OR CLAY	18.56

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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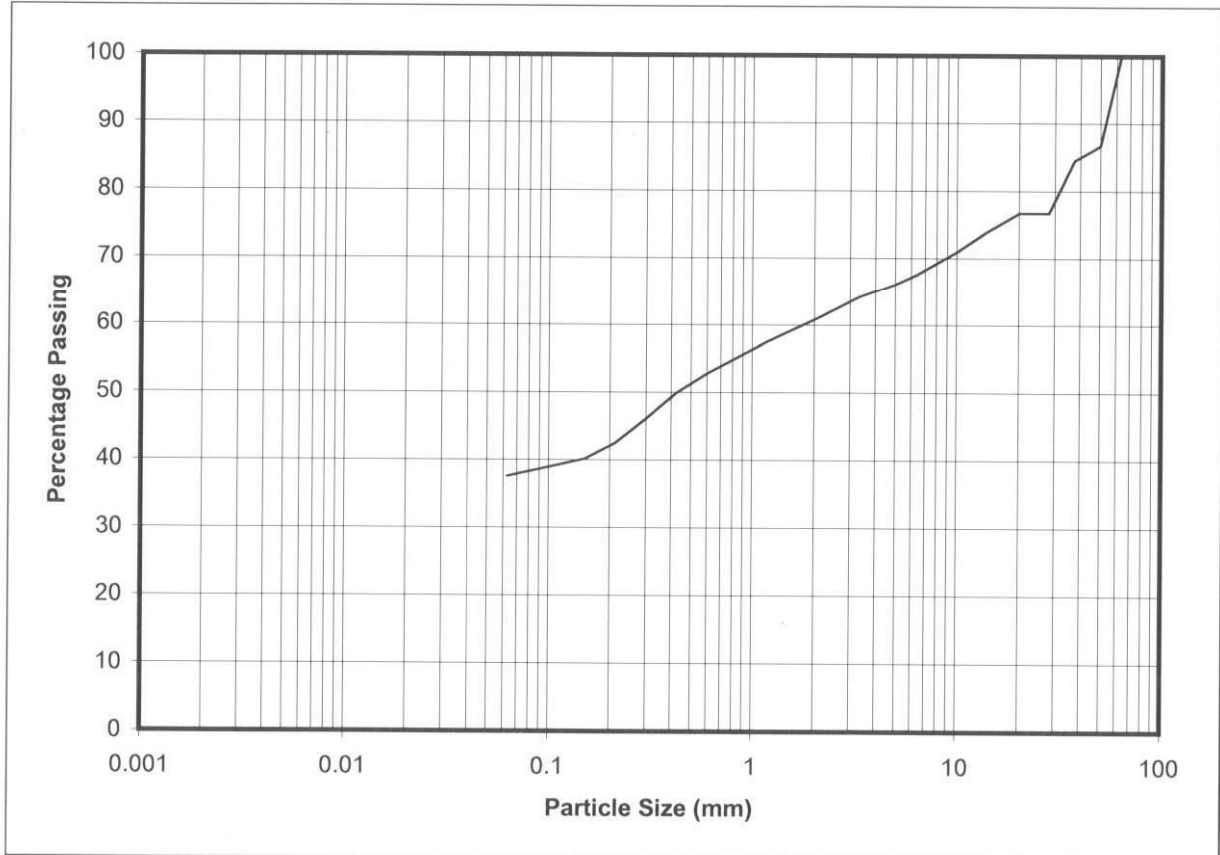
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP55	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.8-1.2	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
	SILT			SAND			GRAVEL		

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	86.67
37.50	84.51
28.00	76.73
20.00	76.73
14.00	73.92
10.00	70.95
6.300	67.50
5.000	66.09
3.350	64.20
2.000	60.79
1.180	57.55
0.600	52.79
0.425	49.94
0.300	46.07
0.212	42.48
0.150	40.13
0.063	37.55

PARTICLE DIAMETER (mm)	% PASSING
2.00	60.79
0.063	37.55

SOIL FRACTION	TOTAL %
GRAVEL	39.21
SAND	23.23
SILT OR CLAY	37.55

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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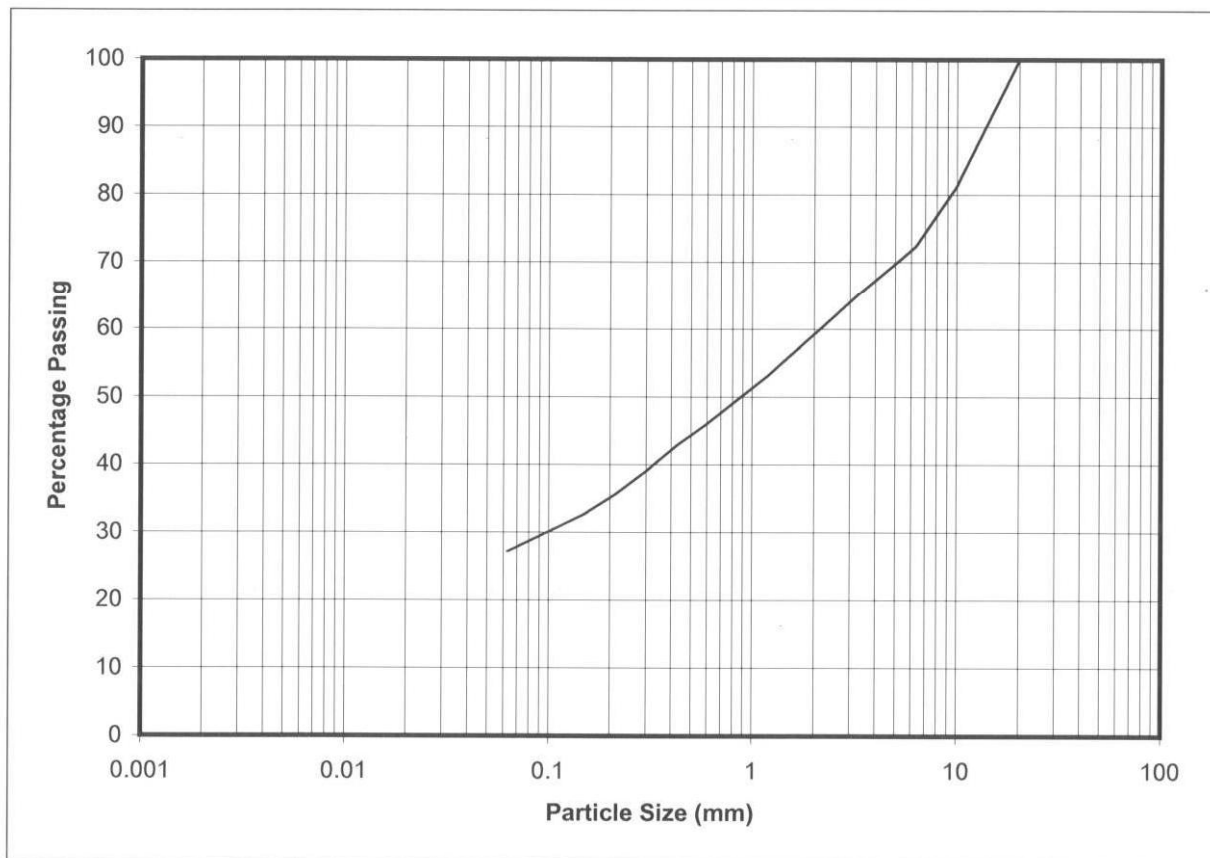
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

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PROJECT : Bicester	SAMPLE	TP61	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.25-0.75	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	100.00
20.00	100.00
14.00	90.37
10.00	81.31
6.300	72.37
5.000	69.77
3.350	65.31
2.000	59.29
1.180	53.06
0.600	46.06
0.425	42.80
0.300	39.05
0.212	35.63
0.150	32.71
0.063	27.14

PARTICLE DIAMETER (mm)	% PASSING
2.00	59.29
0.063	27.14

SOIL FRACTION	TOTAL %
GRAVEL	40.71
SAND	32.15
SILT OR CLAY	27.14

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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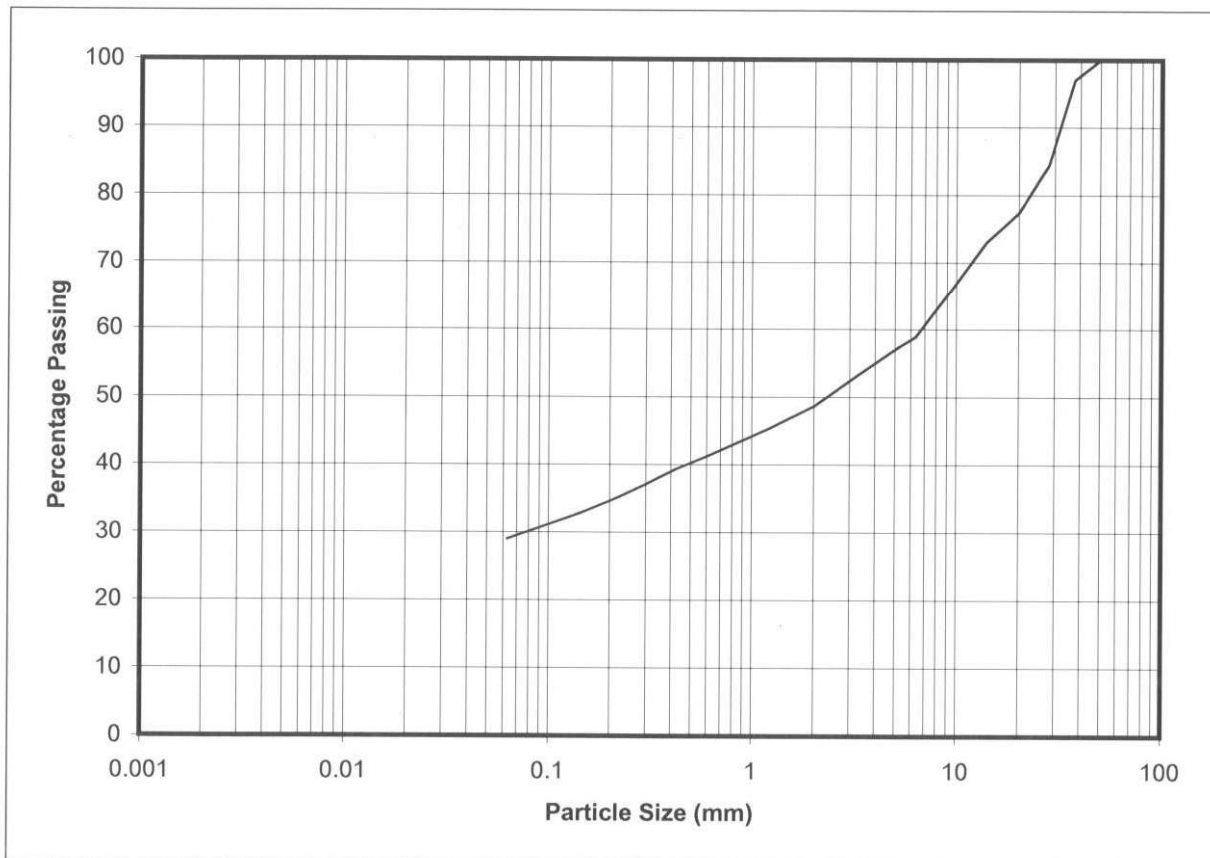
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PROJECT : Whitelands Farm, Bicester	SAMPLE	TP61	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.0-1.5	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	97.03
28.00	84.34
20.00	77.37
14.00	73.02
10.00	66.94
6.300	58.83
5.000	57.06
3.350	53.38
2.000	48.66
1.180	45.19
0.600	41.21
0.425	39.33
0.300	37.08
0.212	34.95
0.150	33.03
0.063	29.01

PARTICLE DIAMETER (mm)	% PASSING
2.00	48.66
0.063	29.01

SOIL FRACTION	TOTAL %
GRAVEL	51.34
SAND	19.65
SILT OR CLAY	29.01

NOTES:
* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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Dabell Avenue, Bulwell
Nottingham, NG6 8WA



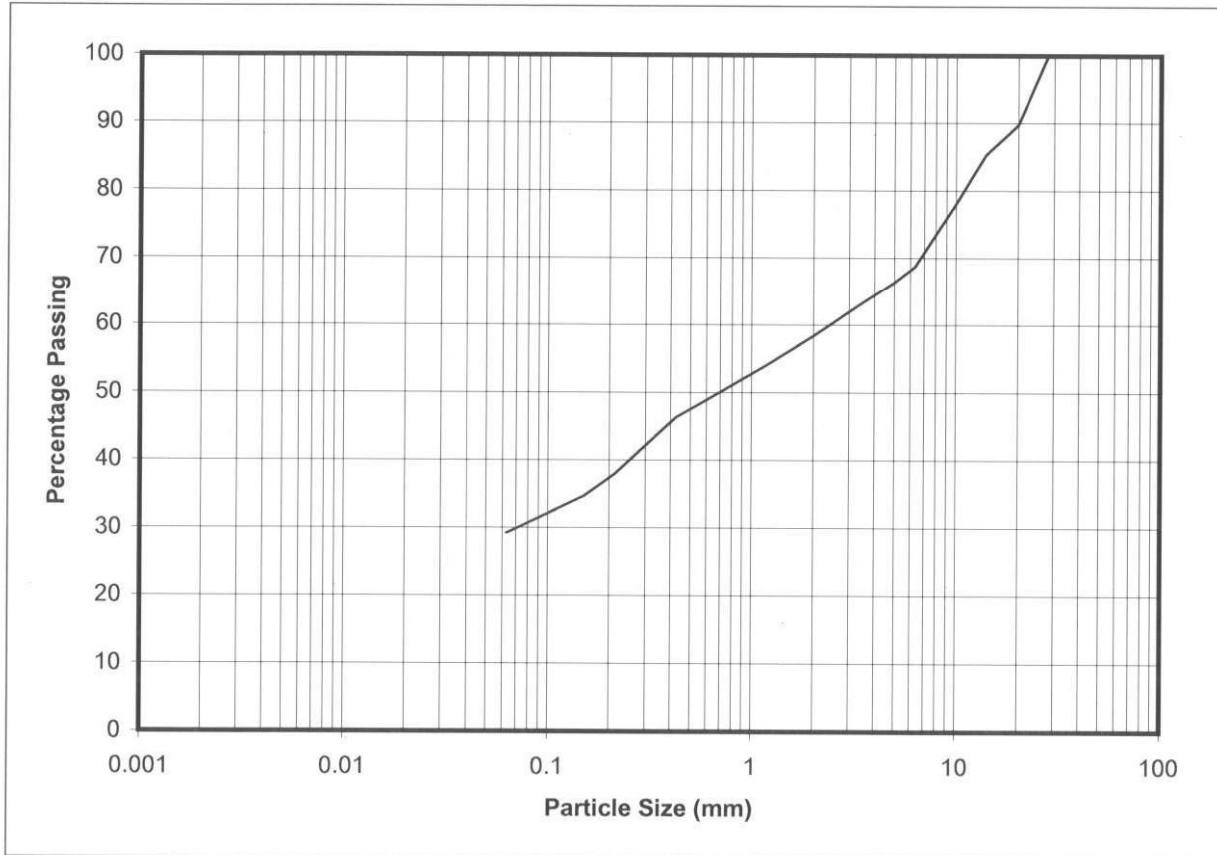
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP61	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.5-2.0	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	100.00
28.00	100.00
20.00	89.78
14.00	85.28
10.00	78.05
6.300	68.72
5.000	66.41
3.350	62.90
2.000	58.36
1.180	54.04
0.600	48.91
0.425	46.33
0.300	42.16
0.212	37.93
0.150	34.66
0.063	29.17

PARTICLE DIAMETER (mm)	% PASSING
2.00	58.36
0.063	29.17

SOIL FRACTION	TOTAL %
GRAVEL	41.64
SAND	29.20
SILT OR CLAY	29.17

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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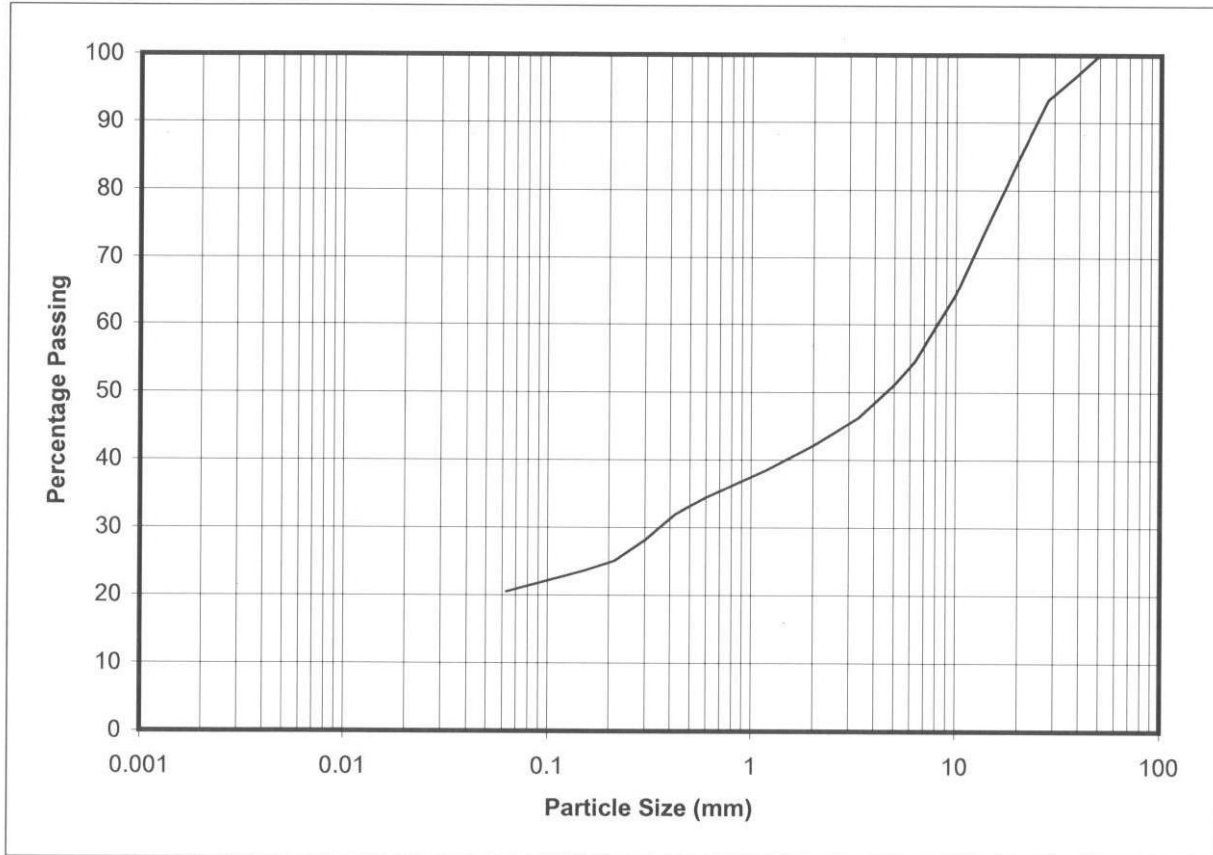
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Whitelands Farm, Bicester	SAMPLE	TP64	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.10-1.65	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE
	SILT			SAND			GRAVEL		

SIEVE SIZE	% PASSING
125.00	100.00
90.00	100.00
75.00	100.00
63.00	100.00
50.00	100.00
37.50	96.64
28.00	93.40
20.00	84.35
14.00	74.22
10.00	64.47
6.300	54.51
5.000	51.09
3.350	46.23
2.000	42.11
1.180	38.42
0.600	34.43
0.425	31.98
0.300	28.16
0.212	25.08
0.150	23.60
0.063	20.55

PARTICLE DIAMETER (mm)	% PASSING
2.00	42.11
0.063	20.55

SOIL FRACTION	TOTAL %
GRAVEL	57.89
SAND	21.56
SILT OR CLAY	20.55

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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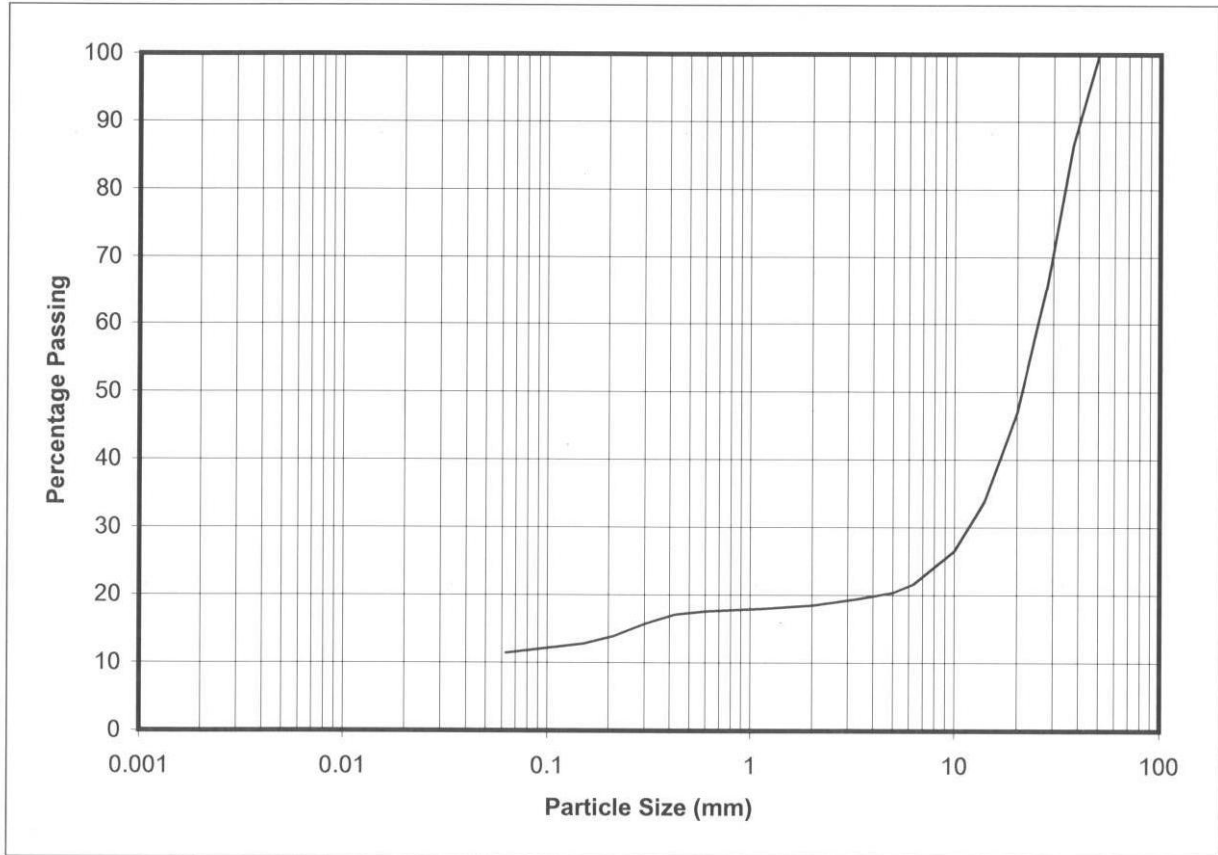
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP65	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	0.3-0.6	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	*
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	100.00				
50.00	100.00				
37.50	86.56				
28.00	65.66				
20.00	46.92				
14.00	33.82				
10.00	26.54				
6.300	21.60				
5.000	20.36				
3.350	19.40				
2.000	18.49	2.00	18.49	GRAVEL	81.51
1.180	18.04				
0.600	17.59				
0.425	17.13				
0.300	15.74				
0.212	13.92				
0.150	12.78				
0.063	11.42	0.063	11.42	SAND	7.07
				SILT OR CLAY	11.42

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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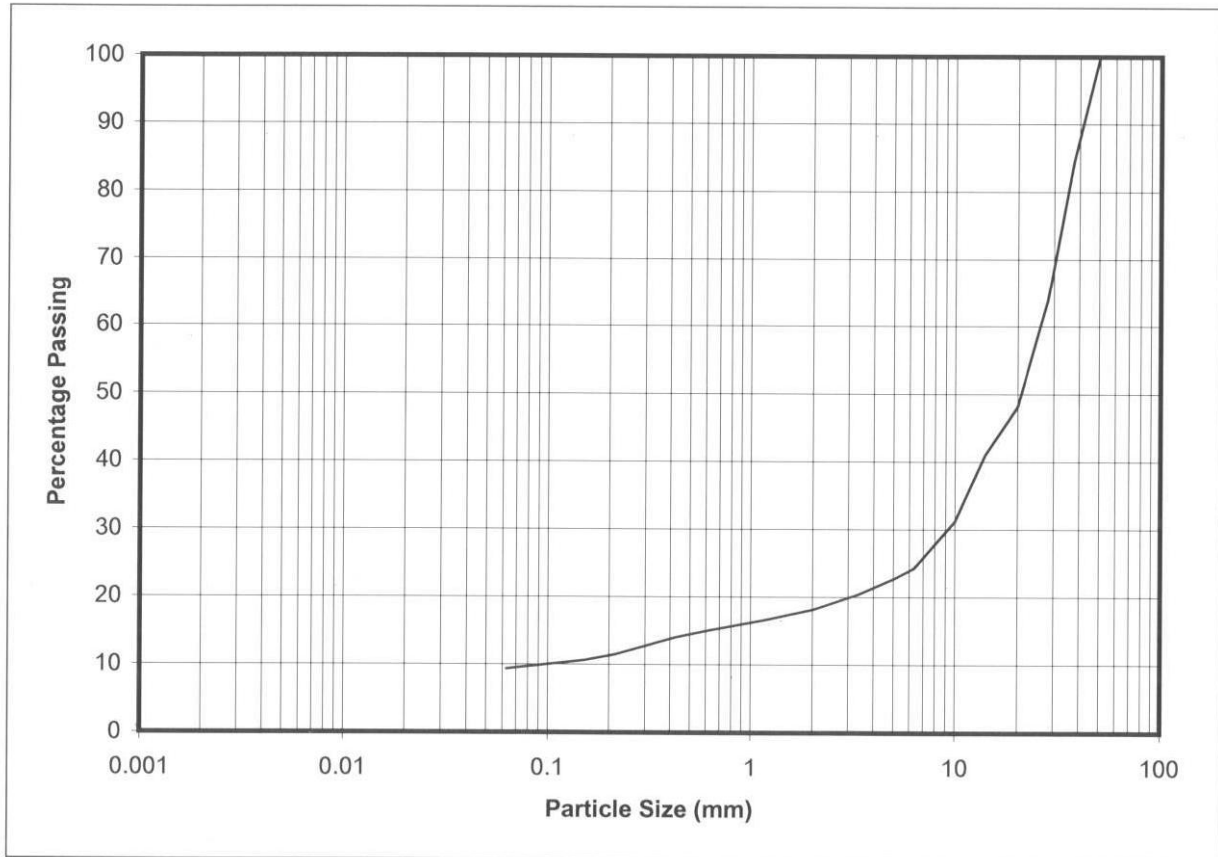
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Whitelands Farm, Bicester	SAMPLE	TP65	LAB NO :	07/0810/S
PROJECT NUMBER : 12370178	DEPTH(m)	1.1-1.5	STORE NO:	



CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	.
	SILT			SAND			GRAVEL			

SIEVE SIZE	% PASSING	PARTICLE DIAMETER (mm)	% PASSING	SOIL FRACTION	TOTAL %
125.00	100.00				
90.00	100.00				
75.00	100.00				
63.00	100.00	2.00	18.15	GRAVEL	81.85
50.00	100.00				
37.50	84.45	0.063	9.35	SAND	8.79
28.00	63.89				
20.00	48.17				
14.00	41.05			SILT OR CLAY	9.35
10.00	31.27				
6.300	24.26				
5.000	22.68				
3.350	20.40				
2.000	18.15				
1.180	16.65				
0.600	14.98				
0.425	14.05				
0.300	12.75				
0.212	11.47				
0.150	10.62				
0.063	9.35				

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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0206

California Bearing Ratio (CBR)

BS1377: part 4: 1990: Clause 7



Environmental Ltd

WSP Environmental Ltd Unit 5 Centurion Business Centre Dabell Avenue, Bulwell, Nottingham NG6 8WA

Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP32	Sample	0.90-1.60m

Test Details

Standard	BS1377: part 4: 1990: Clause 7
Sample Type	Bulk disturbed sample
Sample Description	Soft Light brown/green/grey CLAY
Location	None

Specimen & Equipment Details

Specimen Reference	A	Method of Sample Preparation	Recompacted @ nmc using 2.5kg effort
Diameter	152.08 mm	Bulk Density	1.79 Mg/m3
Length	126.53 mm	Dry Density	1.30 Mg/m3
Specimen Weight	4111.70 g	Initial Moisture Content*	37.2 % (Trimming: 37.2 %)
Mold Weight	4509.90 g	Final Moisture Content	37.2 %
Surcharge Weight	6000.00 g	Material removed > 20mm %	None

* Calculated from initial and dry weights of whole specimen

Soaking Details

Soaking Time	0.00Hrs
Sample Weight after Soaking	0.00 g
Soaking Travel	0.00%

Tested By and Date:	SL:19th June 2007
Checked By and Date:	[REDACTED]
Approved By and Date:	3/7/07



California Bearing Ratio (CBR)

BS1377: part 4: 1990: Clause 7

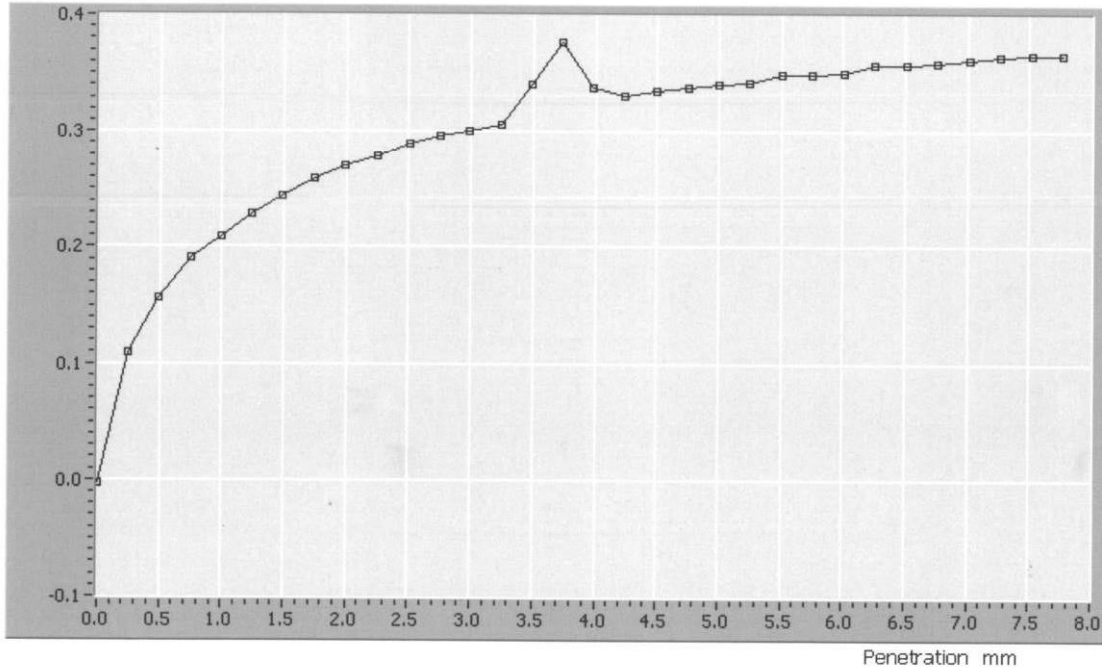


Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP32	Sample	0.90-1.60m

Results - Top			
Penetration	2.50	5.00	mm
Load	0.29	0.34	kN
Standard Load	13.20	20.00	kN
California Bearing Ratio	2.19	1.70	%
Moisture Content (TOP)	35		%

Penetration Stage

Load kN



California Bearing Ratio (CBR)

BS1377: part 4: 1990: Clause 7



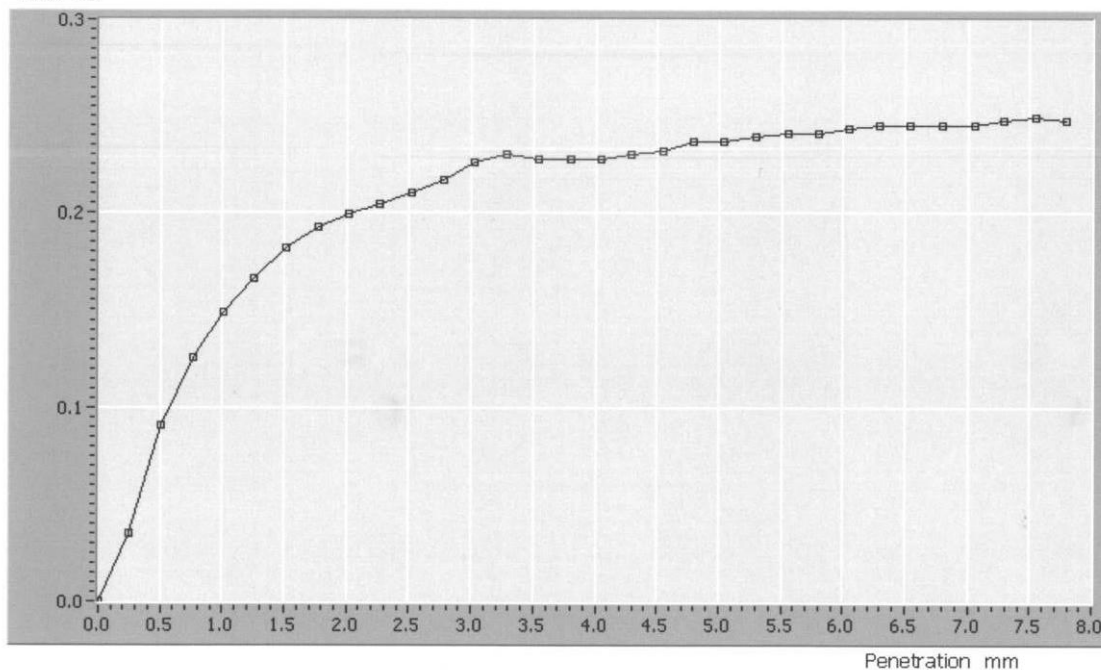
Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP32	Depth	0.9-1.60m

Results - Bottom			
Penetration	2.50	5.00	mm
Load	0.21	0.24	kN
Standard Load	13.20	20.00	kN
California Bearing Ratio	1.59	1.18	%
Moisture Content (Base)	37		%



Penetration Stage (side 2)

Load kN



California Bearing Ratio (CBR)

BS1377: part 4: 1990: Clause 7



Environmental Ltd

WSP Environmental Ltd Unit 5 Centurion Business Centre Dabell Avenue, Bulwell, Nottingham NG6 8WA

Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP48	Sample	0.80-1.10m

Test Details

Standard	BS1377: part 4: 1990: Clause 7
Sample Type	Bulk disturbed sample
Sample Description	Soft Light brown/green/grey CLAY
Location	None

Specimen & Equipment Details

Specimen Reference	A	Method of Sample Preparation	Recompacted @ nmc using 2.5kg effort
Diameter	152.00 mm	Bulk Density	2.07 Mg/m3
Length	126.00 mm	Dry Density	1.71 Mg/m3
Specimen Weight	4736.50 g	Initial Moisture Content*	20.8 % (Trimmings: 20.8 %)
Mold Weight	5065.80 g	Final Moisture Content	20.8 %
Surcharge Weight	6000.00 g	Material removed > 20mm %	None

* Calculated from initial and dry weights of whole specimen

Soaking Details

Soaking Time	0.00Hrs
Sample Weight after Soaking	0.00 g
Soaking Travel	0.00%

Tested By and Date:	SL:18th June 2007
Checked By and Date:	[REDACTED]
Approved By and Date:	3/7/07



California Bearing Ratio (CBR)

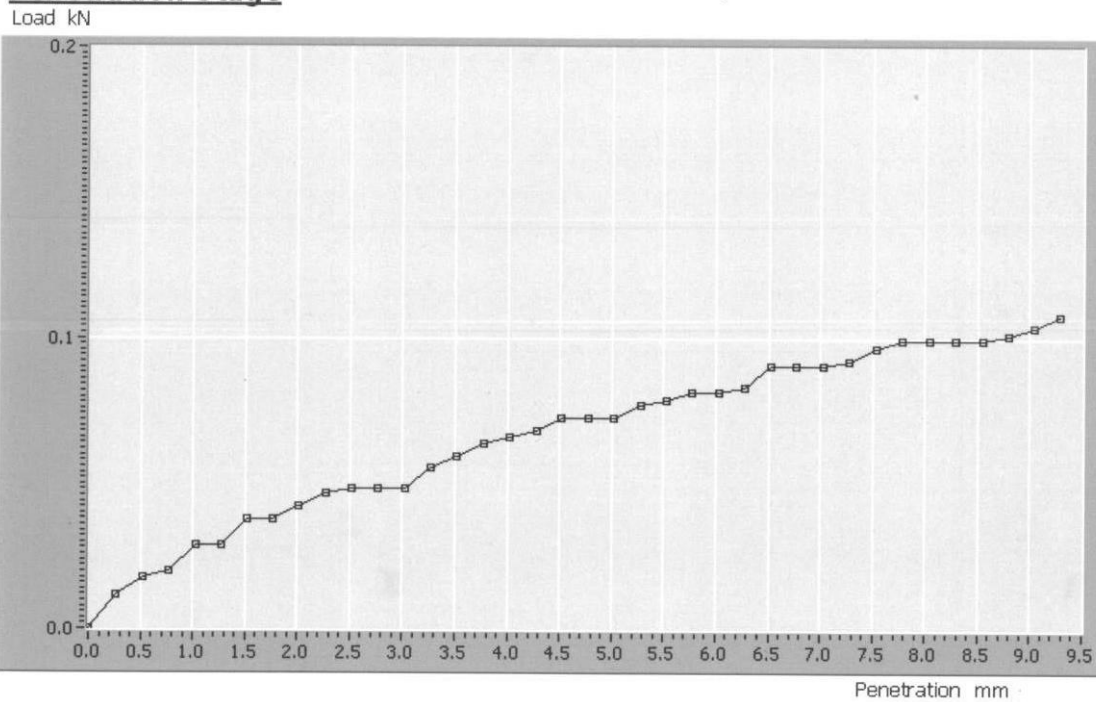
BS1377: part 4: 1990: Clause 7



Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP48	Sample	0.80-1.10m

Results - Top			
Penetration	2.50	5.00	mm
Load	0.05	0.07	kN
Standard Load	13.20	20.00	kN
California Bearing Ratio	0.36	0.36	%
Moisture Content (TOP)	20		%

Penetration Stage



California Bearing Ratio (CBR)

BS1377: part 4: 1990: Clause 7



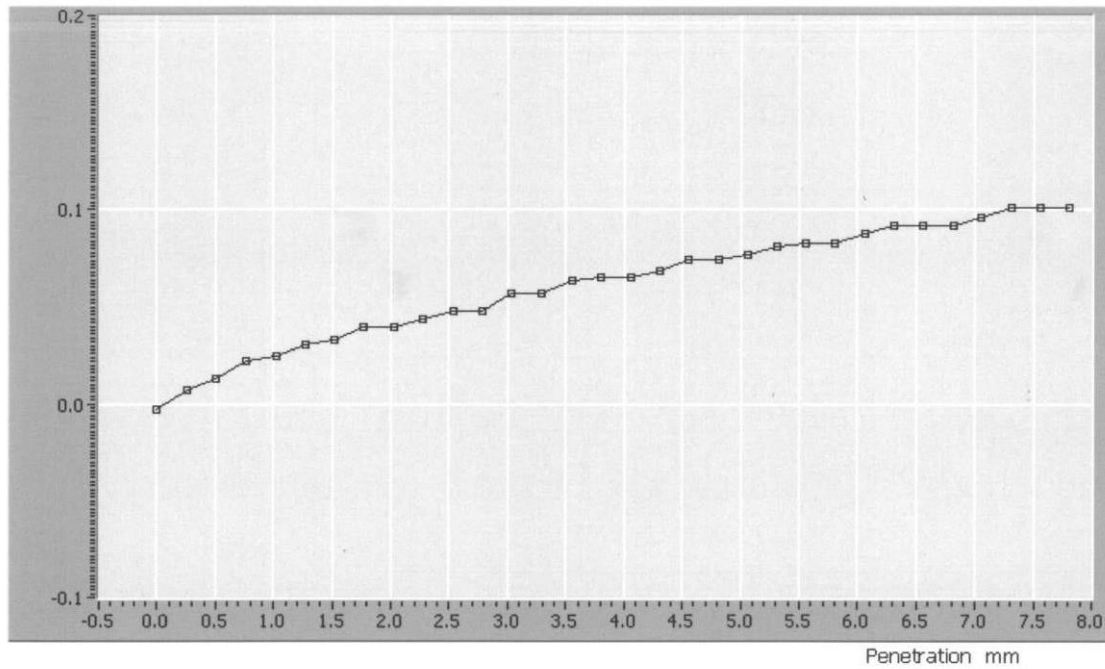
Client	WSP Environmental	Lab Ref	07/0847/S
Project	Bicester	Job	12370178
Borehole	TP48	Depth	0.80-1.10m

Results - Bottom			
Penetration	2.50	5.00	mm
Load	0.05	0.08	kN
Standard Load	13.20	20.00	kN
California Bearing Ratio	0.36	0.38	%
Moisture Content (Base)	20		%



Penetration Stage (side 2)

Load kN





Nicholls Colton

T E S T I N G

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Tel: 0116 253 6333 Fax: 0116 251 4709
e.mail: testing@nicholls-colton.co.uk
website: www.nicholls-colton.co.uk

13 June 2007

For the attention of Mr. M. Beastall

WSP Environmental Laboratories
Unit 5
Centurion Business Centre
Blenheim Industrial Estate
Dabell Avenue
Bulwell
Nottingham
NG6 8WA

Dear Sirs,

12370178 - Bicester, Whitelands Farm

Please find enclosed laboratory reports numbers L07/WSP/005/001 to 035 for testing carried out for this project.

Thank you for instructing us to carry out this work, we trust that everything is to your satisfaction.

We trust that we may be of service to you again.

Yours faithfully,



pp J. Gane JACKSON
Authorised Signatory
Nicholls Colton Testing

JG/sm/L07/WSP/005/001L



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TEST REPORT

BS 1377 DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

2.5Kg Rammer

12370178 - Bicester, Whitelands Farm

Client : WSP Environmental Laboratories	Report no. : L07/WSP/005/001	NCT sample reference : 07-2384	Date of testing : 31.05-08.06.07
Order reference : DC/1291/99	Client sample identification : TP6: 0.80m	Date of receipt : 23.05.07	Date of Issue : 13.06.07

Type of sample and visual description : Green silty clay

Maximum Dry Density (Mg/m³) : **1.68**
 Optimum moisture Content (%) : **21**
 Retained on 37.5mm BS Test Sieve (%) : **0**
 Retained on 20.0mm BS Test Sieve (%) : **0**
 Particle Density (assumed)Mg/m³ : **2.65**

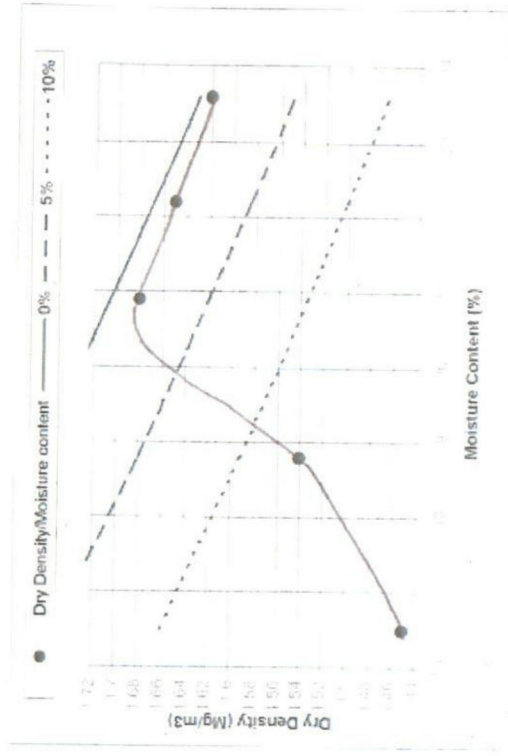
NOTES

1. Samples were prepared in accordance with BS1377:Part 4:1990 Clause 3.2.4.1 using a single sample
2. Testing was in accordance with BS1377:Part 4:1990 Clause 3.3.

[Redacted Signature]

(L. Sorrentino)

J. Gane
 Authorised Signatory
 Nicholls Colton Testing
 Page 1 of 1



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 Blenheim Industrial Estate
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 Nottingham, NG6 8WA



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 e-mail: testing@nicholls-colton.co.uk
 website: www.nicholls-colton.co.uk

TEST REPORT

BS 1377 LABORATORY CBR VALUE

12370178 - Bicester, Whitelands Farm

Client: WSP Environmental Laboratories	Report no: L07WSP/005/010	Date of testing: 06 to 08.06.07
Order reference: DC/1291/99	Date of receipt: 23.05.07	Date of issue: 13.06.07

Location/client ref: TP12, 0.60m (top)

Type of sample and visual description: Brown silty clay with limestone crushed rock

Initial Bulk Density (Mg/m³): 1.57

Initial Dry Density (Mg/m³): 1.22

Material retained on 20mm test sieve (%): 10

Moisture content (%): 30

California Bearing Ratio (CBR) (%): 2.3 (top)

Mean California Bearing Ratio (CBR) (%) : 2.5

NOTES

1. Testing was in accordance with BS 1377, Part 4, 1990, Clause 7.
2. Sample preparation was in accordance with cl 7.2.4.4 method 5, 2%.
3. The test specimen was not soaked prior to testing.
4. 50% CBR result at sample location above; refer to report L07WSP/011.

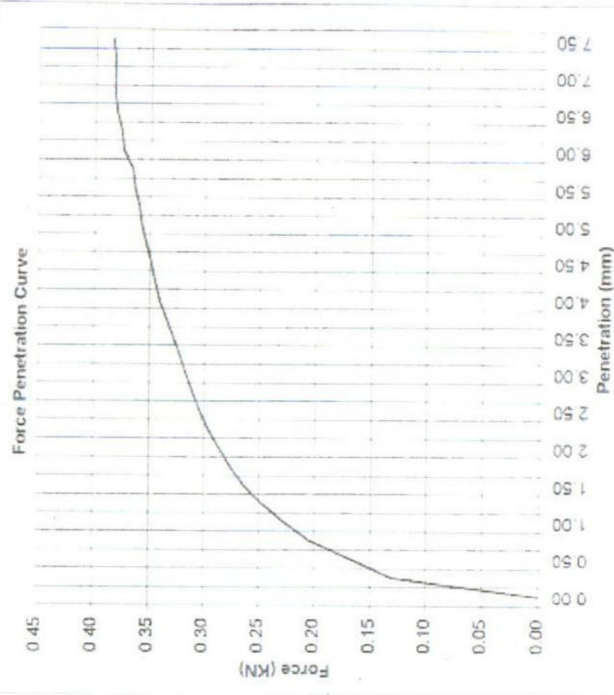
(L. Scarpellino)

Authorised Signatory (J. Gane)

Nicholls Colton Testing

Page 1 of 1

Lab/CR Page 1 of 1 Issued by BK 25.03.04
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TEST REPORT

BS 1377 LABORATORY CBR VALUE

Biacester, Whitelands Farm

Client: WSP Environmental Laboratories	Report no.: L07WSP/005/011	Date of testing: 06 to 08.06.07
Order reference: DC/1291/99	Date of receipt: 23.05.07	Date of issue: 13.06.07

Location/client ref: TP12: 0.60m (bottom)

Type of sample and visual description: Brown silty clay with limestone crushed rock

Initial Bulk Density (Mg/m³): 1.57

Initial Dry Density (Mg/m³): 1.22

Material retained on 20mm test sieve (%): 10

Moisture content (%): 28

California Bearing Ratio (CBR) (%): 2.7 (bottom)

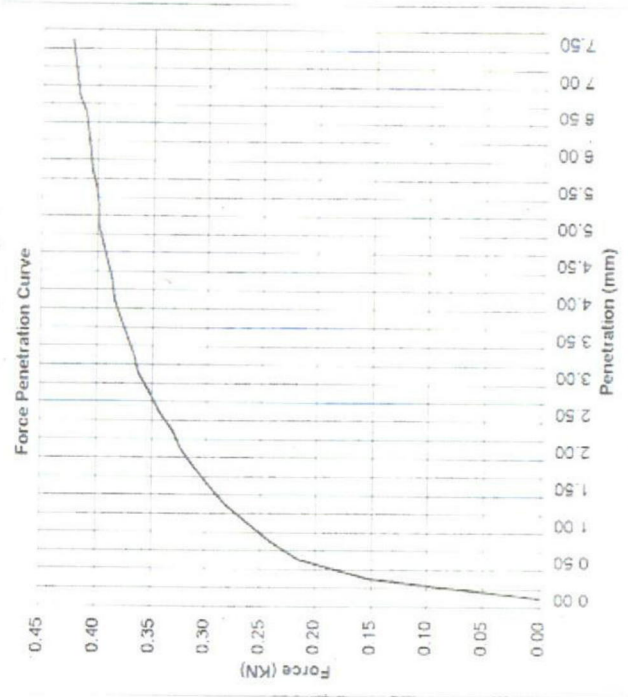
Mean California Bearing Ratio (CBR) (%) : 2.5

- NOTES:
- 1 Testing was in accordance with BS 1377 Part 4: 1990 Clause 7
 - 2 Sample preparation was in accordance with cl 7.4.4 method 5: 2.5kg
 - 3 The test specimen was not soaked prior to testing
 - 4 For CBR result of sample top please refer to report L07WSP010

(L. Sorrentino)

Authorised Signatory (J. Gane)
 Nicholls Colton Testing
 Page 1 of 1

Lab/CR Page 1 of 1 Issued by AK 24.03.04
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 website: www.nicholls-colton.co.uk

TEST REPORT

BS 1377 LABORATORY CBR VALUE

12370178 - Bicester, Whitelands Farm

Client : WSP Environmental Laboratories	Report no : L07/WSP/005/028	Date of testing : 06 to 08.06.07
Order reference : DC/1291/99	Date of receipt : 23.05.07	Date of issue : 13.06.07

Location/client ref TP14 - 0.5m (top)

Type of sample and visual description Brown grey silty clay

Initial Bulk Density (Mg/m³) 1.82

Initial Dry Density (Mg/m³): 1.37

Material retained on 20mm test sieve (%) 0

Moisture content (%) 32

California Bearing Ratio (CBR) (%) 2.1 (top)

Mean California Bearing Ratio (CBR) (%) : 2.1

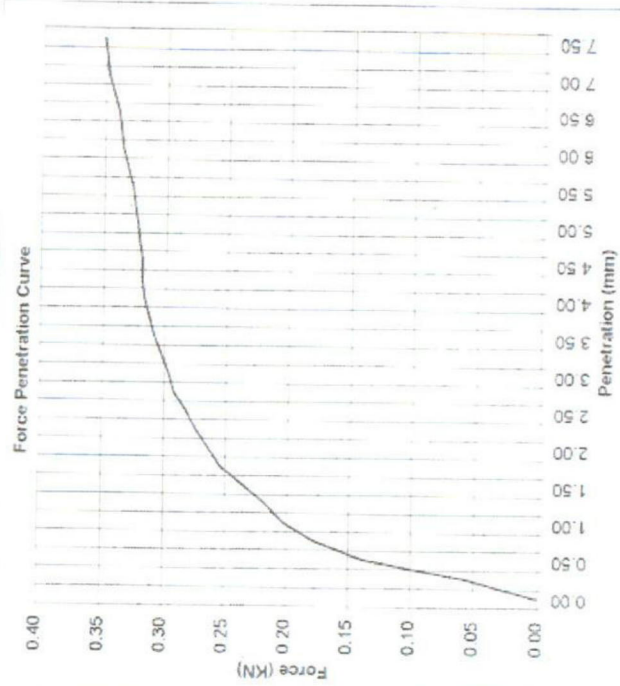
NOTES

- 1 Testing was in accordance with BS 1377 - Part 4, 1990 - Clause 7
- 2 Sample preparation was in accordance with cl 7.2.4.4 method 5.2.5kg
- 3 The test specimen was not soaked prior to testing
- 4 For CBR results sample bottom please refer to report L07/WSP/029

(L. Sorrentino)

Authorised Signatory (J. Gane)
 Nicholls Colton Testing
 Page 1 of 1

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