

Summary of Geotechnical Laboratory results

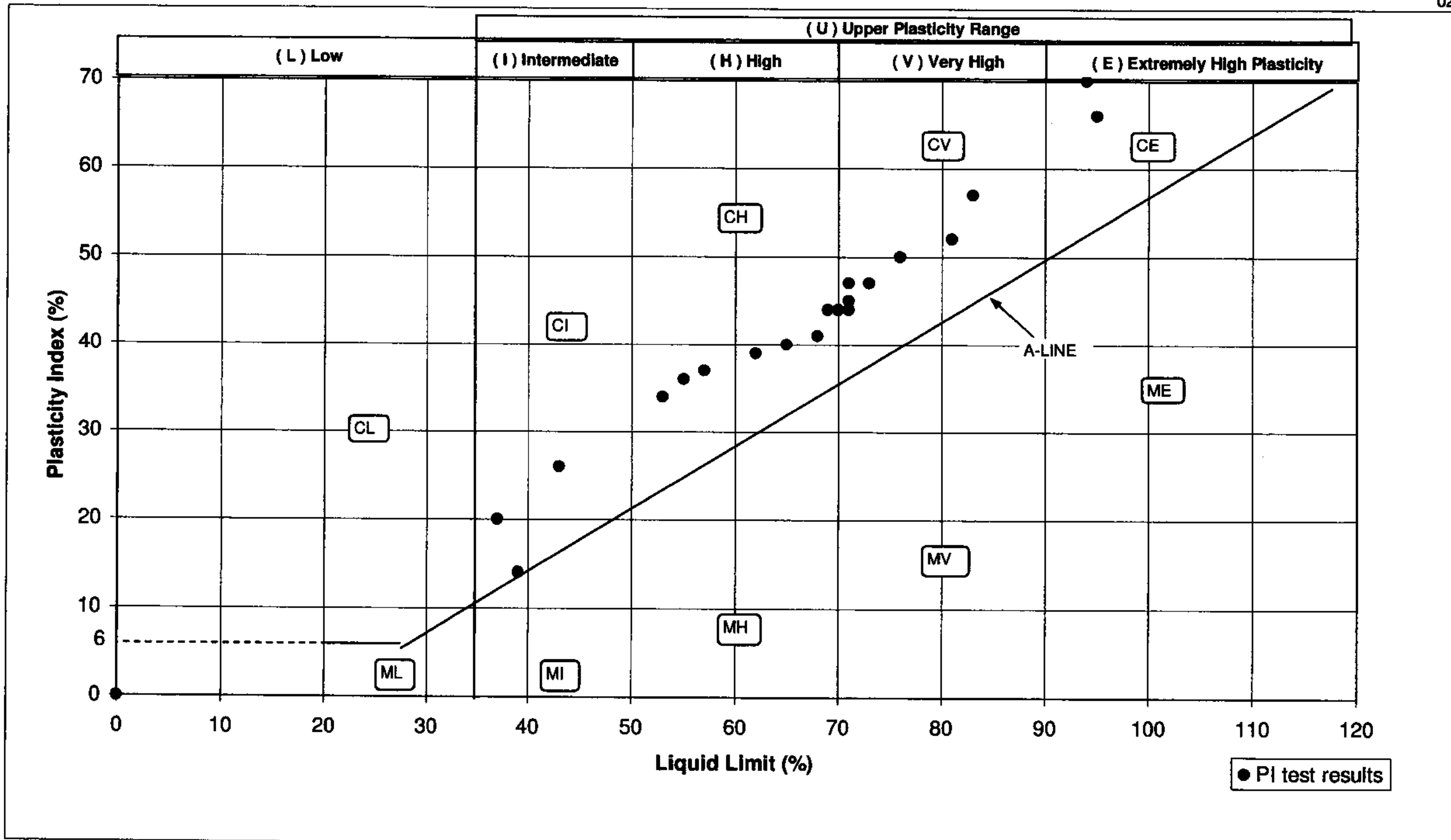
Sample Data						Classification									Compaction			Chemical					Strength & Compression testing										Remarks	
						BS 1377:Part 2									BS1377:Part 4			BS 1377:Part 3					BS 1377:Part's 5 & 7											
BH/TP/WS No	Sample No	Specimen Ref	Sample Type	Deppth From (m)	Depth to (m)	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity index %	Plasticity category	Material passing 425um %	Bulk Density Mg/m3	Dry Density Mg/m3	Particle Size Distribution	Particle Density Mg/m3	CBR	MCV	Compaction	Water Soluble Suphate g/l *	pH *	Organic Matter % **	Loss on Ignition % **	Water Soluble Chloride g/l *	Triaxial Type	Diameter mm	Cell Pressure kPa	Corrected Deviator Stress kPa	Undrained Shear Strength CU kPa	Strain @ Failure %	Mode of Failure	Hand Shear Vane Kpa	One dimensional Consolidation *		
BH103	B			0.25	0.75														0.04	8.1														
BH103	D			1.20	1.65	16		IS	IS																									
BH103	B			3.00	3.50																													
BH103	D			5.55		28	70	25	45	CH	100																							
BH103	U100			5.90	6.35	27						1.99	1.57											UU	104	178	118	59	12	B				
BH103	U100			8.10	8.55	25						2.08	1.66											UU	103	243	244	122	5	B				
BH103	D			9.30	9.75	26	57	28	29	CH	95																							
BH103	U100			10.30	10.75	26						2.03	1.61											UU	103	310	254	127	3	B				
BH103	U100			12.00	12.45																													
BH103	D			14.60		25																												
BH103	U100			16.30	16.75	24						2.04	1.65											UU	103	485	286	143	7	B				
BH103	D			17.00		24	63	25	38	CH	100																							
BH103	U100			18.50	1.95	25						2.03	1.62											UU	104	566	214	107	6	B				
BH103	D			20.00		25	68	26	42	CH	100																							
BH103	D			22.05		25																												
BH103	D			23.00															2.61	7.0														
BH103	D			24.20		26																												
BH103	D			25.00		27																												
BH105	D			0.95		22																												
BH105	B			1.20	1.70	21	55	19	36	CH	100																							
BH105	B			5.00	5.50														0.02	8.5														
BH105	D			5.95		28	71	25	46	CV	98																							
BH105	U			6.10	6.55	29						1.94	1.50											UU	103	176	166	83	6	B				
BH105	D			6.85															0.69	7.7														
BH105	D			8.80		26																												
BH105	U			10.10	10.55	25						2.02	1.61											UU	102	304	285	142	6.1	B				
BH105	D			11.10		26	89	25	64	CV	100																							

Summary of Geotechnical Laboratory results

Sample Data						Classification										Compaction			Chemical					Strength & Compression testing										Remarks
						BS 1377:Part 2										BS1377:Part 4			BS 1377:Part 3					BS 1377:Part's 5 & 7										
BH/TP/WS No	Sample No	Specimen Ref	Sample Type	Deppth From (m)	Depth to (m)	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity index %	Plasticity category	Material passing 425um %	Bulk Density Mg/m3	Dry Density Mg/m3	Particle Size Distribution	Particle Density Mg/m3	CBR	MCV	Compaction	Water Soluble Suphate g/l *	pH *	Organic Matter % **	Loss on Ignition % **	Water Soluble Chloride g/l *	Triaxial Type	Diameter mm	Cell Pressure kPa	Corrected Deviator Stress kPa	Undrained Shear Strength CU kPa	Strain @ Failure %	Mode of Failure	Hand Shear Vane Kpa	One dimensional Consolidation *		
BH106	B			3.70	4.20														0.51	8.8														
BH106	B			4.60	5.10																													
BH106	B			6.80	7.30																													
BH106	D			7.30		27	75	28	47	CV	100																							
BH106	U			7.80	8.25	28						2.03	1.58											UU	103	136	162	81	8.1	C				
BH106	U			9.50	9.95	27						1.98	1.57											UU	103	288	213	106	5.0	B				
BH106	D			10.00		26	81	28	53	CV	100																							
BH106	U			11.60	12.05	28						1.96	1.54											UU	103	356	183	92	4.8	B				
BH106	U			13.40	13.85	25						2.07	1.66											UU	103	407	199	100	5.7	B				
BH106	D			15.80		23	68	25	43	CH	100																							
BH106	U			17.20	17.65	23																												
BH106	U			19.00	19.45	25						2.08	1.67											UU	103	549	331	165	5.6	B				
BH106	U			21.10	21.55	26						2.12	1.68											UU	103	641	372	186	10.7	C				
BH106	U			23.50	23.95	26						2.06	1.64											UU	103	677	260	260	4.1	B				
BH106	D			24.50		26	79	25	54	CV	100																							
WS3	B			1.50	2.00														1.53	8.4														
WS4	B			1.30	1.90	26	40	19	21	CI	84																							
WS6	B			2.40	2.60	19	43	20	23	CI	90																							
WS7	B			2.50	2.60														0.43	7.0														
WS10	B			0.70	0.90	23	46	22	24	CI	100																							
TP1	B			0.70	1.10																													
TP4	D			0.30	0.60	28																												
TP4	B			2.50	2.56																													
TP5	D			1.30	1.45	25	48	23	25	CI	100																							
TPM2	D			1.10	1.50	30	48	20	28	CI	94																							



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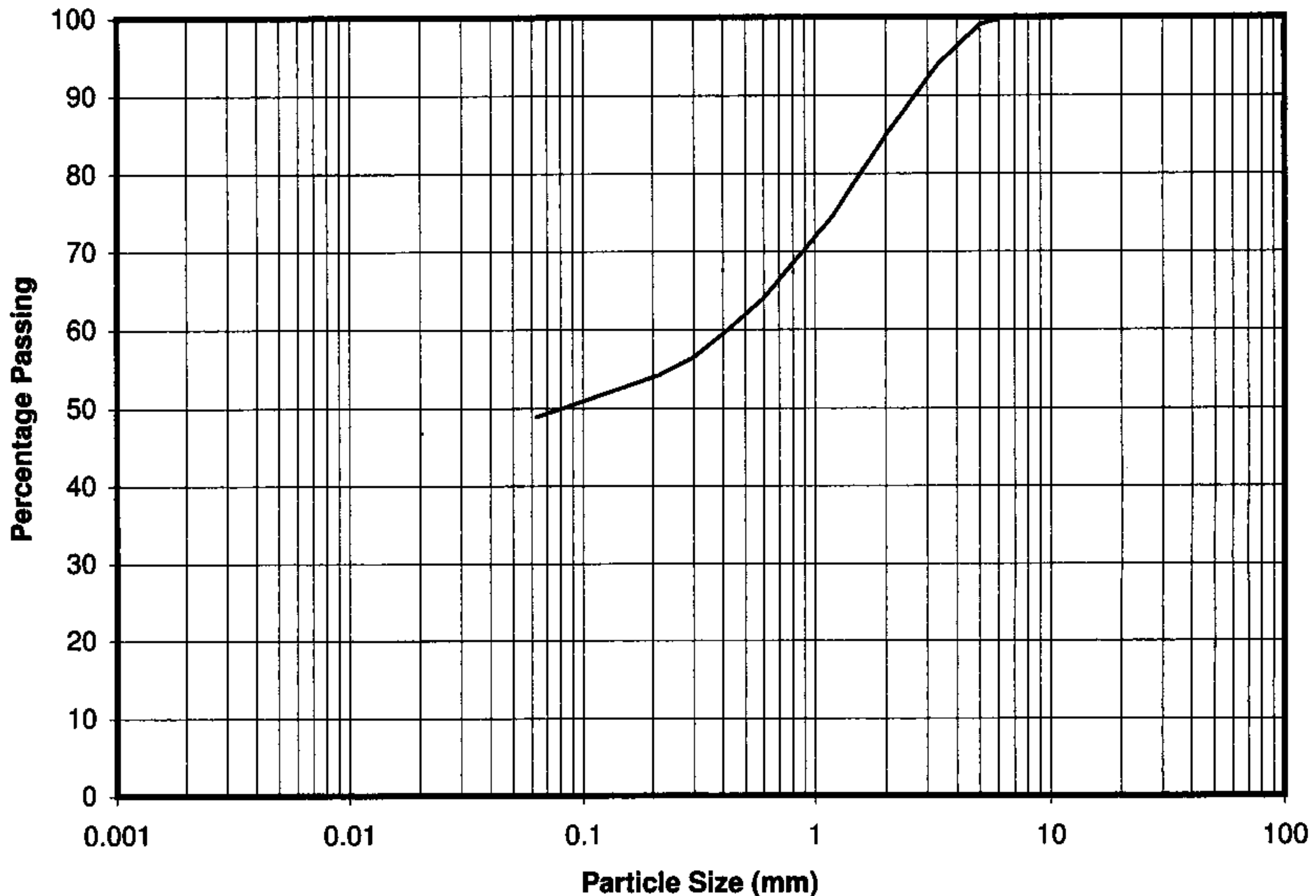
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Osnaburgh Street	SAMPLE	101	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	5.0-5.5	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	100.00
14.00	100.00
10.00	100.00
6.300	100.00
5.000	99.11
3.350	94.20
2.000	84.92
1.180	74.49
0.600	64.05
0.425	60.12
0.300	56.56
0.212	54.24
0.150	52.72
0.063	48.88

PARTICLE DIAMETER (mm)	% PASSING
2.00	84.92
0.063	48.88

SOIL FRACTION	TOTAL %
GRAVEL	15.08
SAND	36.04
SILT OR CLAY	48.88

NOTES:

* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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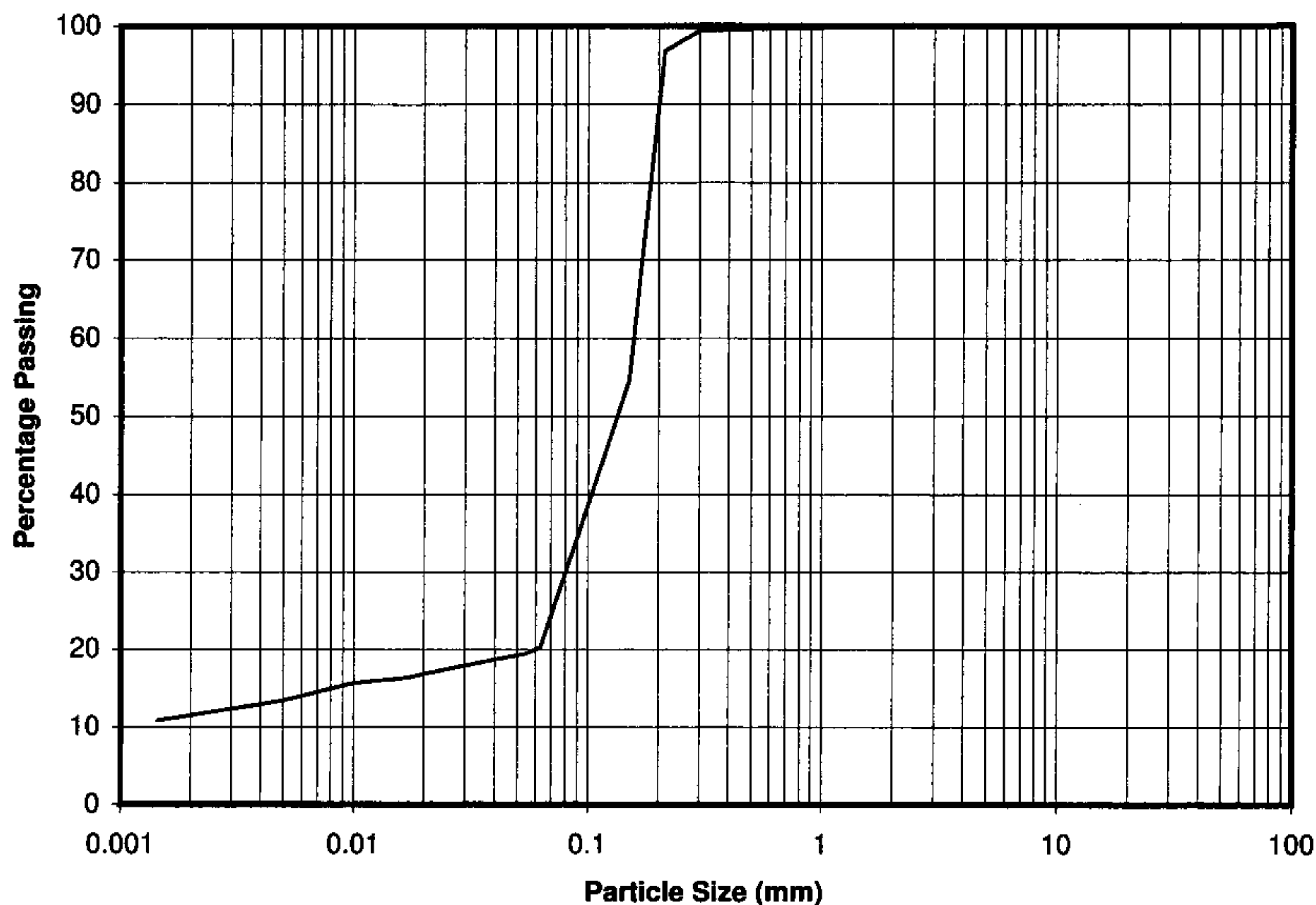
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 and 9.5 1990

RP06 30/08/05

ISSUE 1 REV1



PROJECT : Osnabourgh Street	SAMPLE	101	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	49.20	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	100.00
5.000	100.00
3.350	100.00
2.000	100.00
1.180	99.81
0.600	99.65
0.425	99.57
0.300	99.42
0.212	96.86
0.150	54.59
0.063	20.32

PARTICLE DIAMETER (mm)	% PASSING
2.00	100.00
0.063	20.32
0.002	10.85

SOIL FRACTION	TOTAL %
GRAVEL	0.00
SAND	79.68
SILT	9.47
CLAY	10.85

NOTES:

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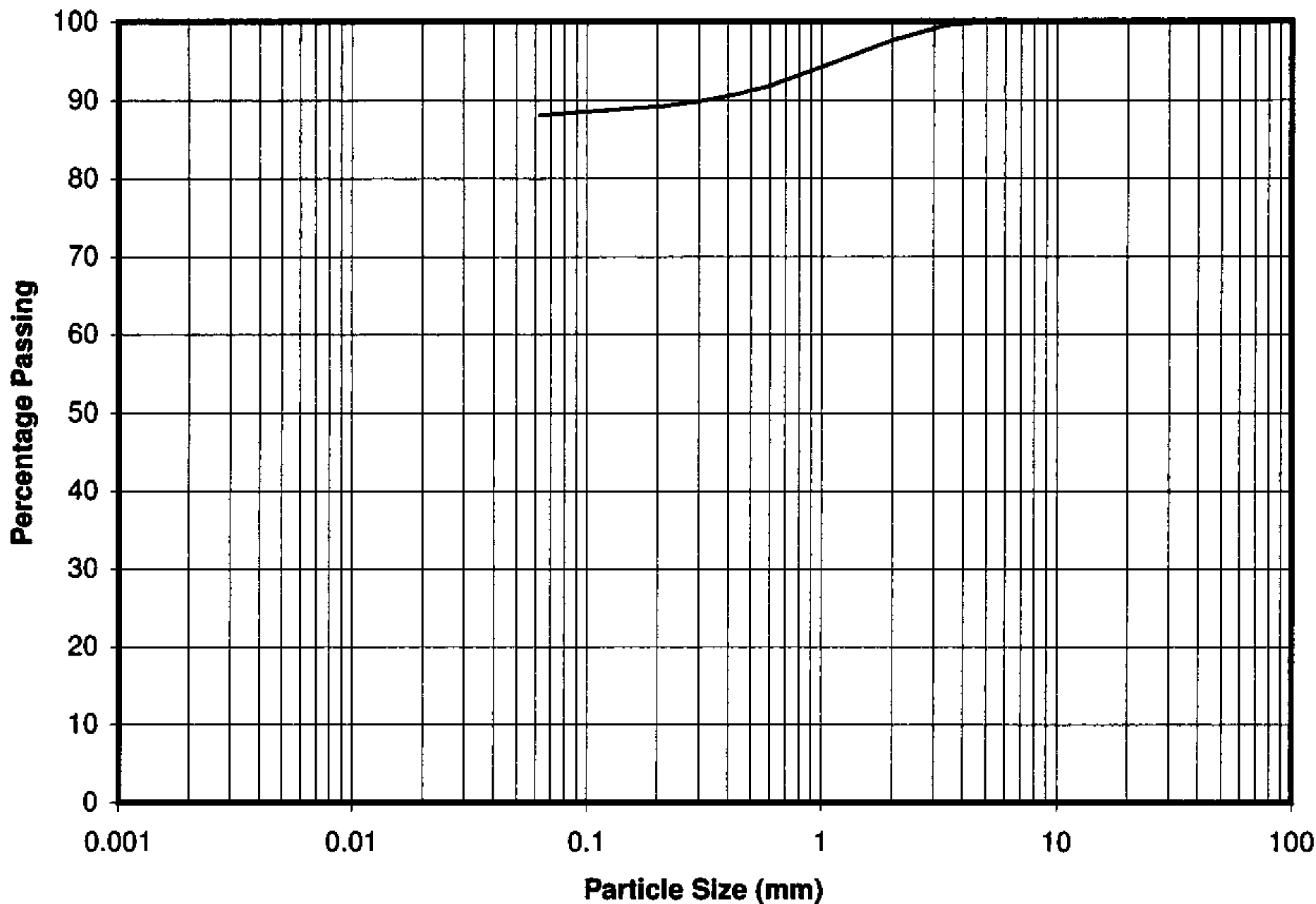
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Osnabourgh Street	SAMPLE	102	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	2.0-3.0	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	100.00
14.00	100.00
10.00	100.00
6.300	100.00
5.000	100.00
3.350	99.47
2.000	97.67
1.180	95.08
0.600	91.89
0.425	90.77
0.300	89.87
0.212	89.28
0.150	88.96
0.063	88.16

PARTICLE DIAMETER (mm)	% PASSING
2.00	97.67
0.063	88.16

SOIL FRACTION	TOTAL %
GRAVEL	2.33
SAND	9.51
SILT OR CLAY	88.16

NOTES:

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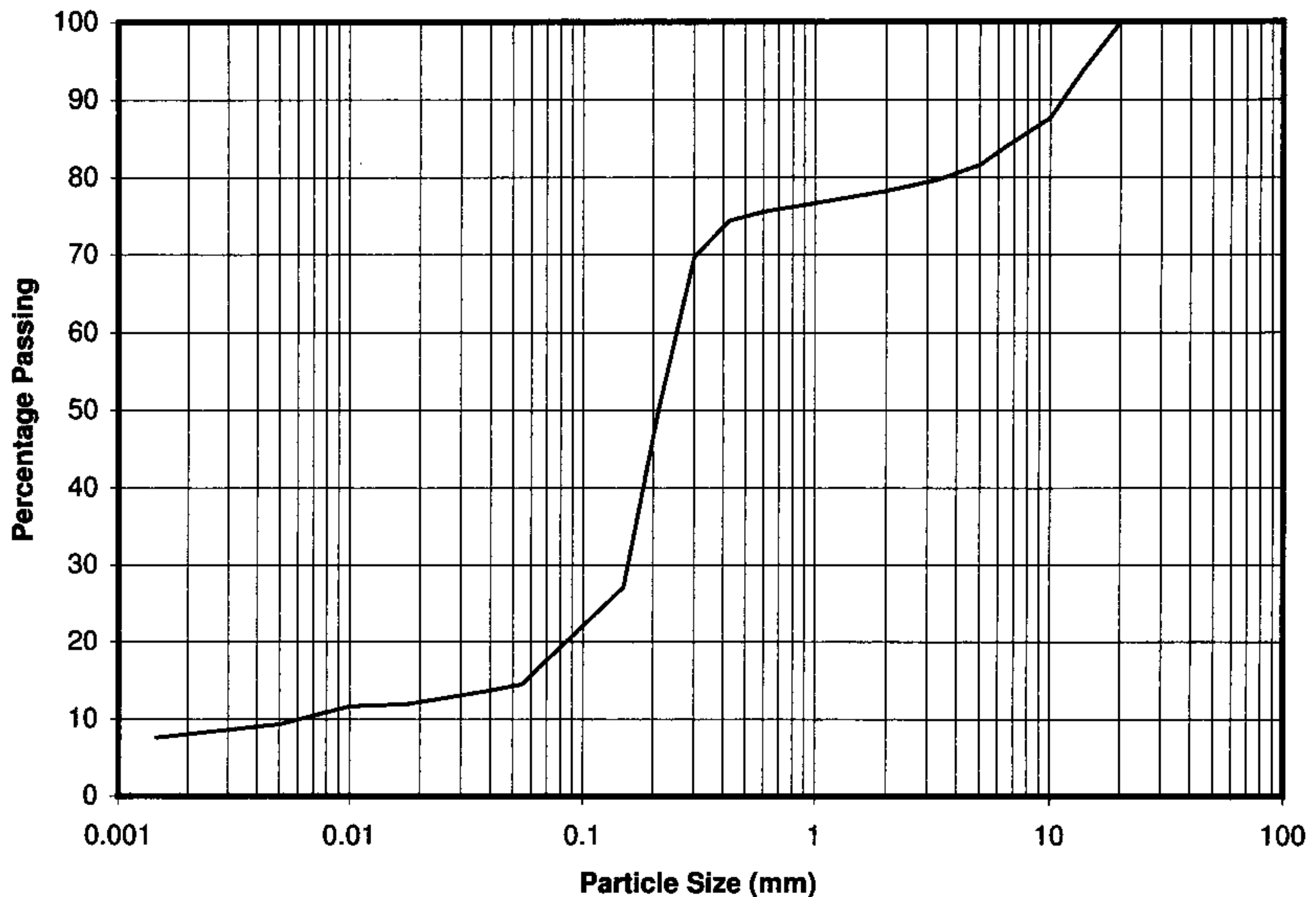
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 and 9.5 1990

RP06 30/08/05

ISSUE 1 REV1



PROJECT : Osnabourgh Street	SAMPLE	102	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	47.00	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	93.90
10.00	87.63
6.300	83.76
5.000	81.60
3.350	79.67
2.000	78.26
1.180	77.04
0.600	75.52
0.425	74.35
0.300	69.67
0.212	50.32
0.150	27.12
0.063	16.36

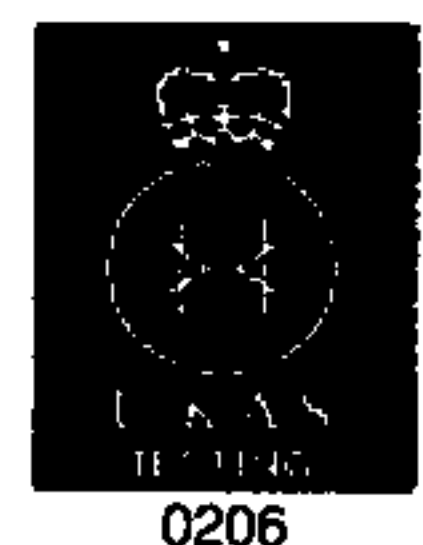
PARTICLE DIAMETER (mm)	% PASSING
2.00	78.26
0.063	16.36
0.002	7.59

SOIL FRACTION	TOTAL %
GRAVEL	21.74
SAND	61.91
SILT	8.77
CLAY	7.59

NOTES:

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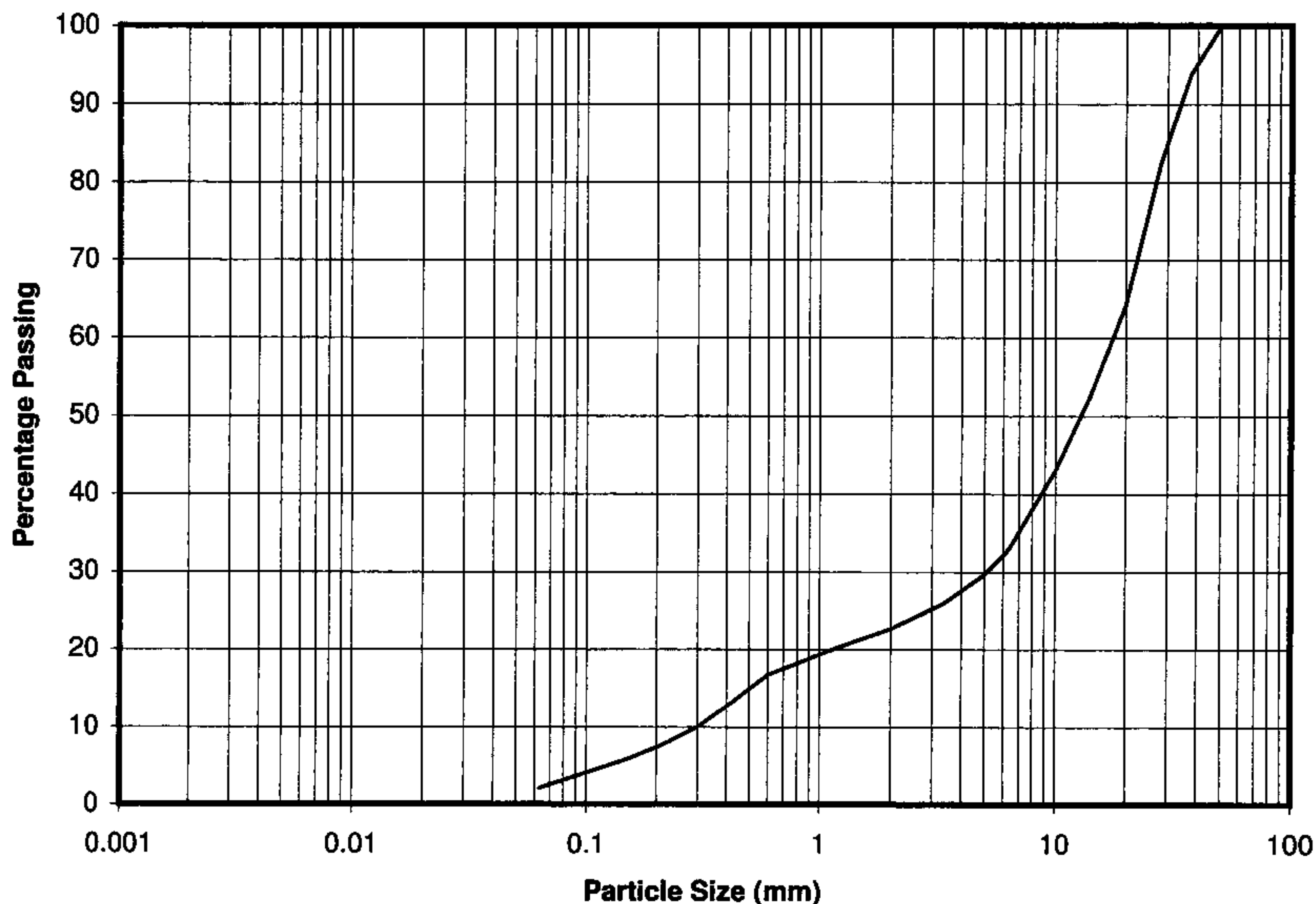
PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1



PROJECT : Osnabourgh Street	SAMPLE	103	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	3.0-3.5	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	93.77
28.00	82.45
20.00	64.26
14.00	52.43
10.00	43.10
6.300	32.92
5.000	29.65
3.350	25.98
2.000	22.67
1.180	20.22
0.600	16.68
0.425	13.29
0.300	10.02
0.212	7.68
0.150	5.88
0.063	2.14

PARTICLE DIAMETER (mm)	% PASSING
2.00	22.67
0.063	2.14

SOIL FRACTION	TOTAL %
GRAVEL	77.33
SAND	20.53
SILT OR CLAY	2.14

NOTES:

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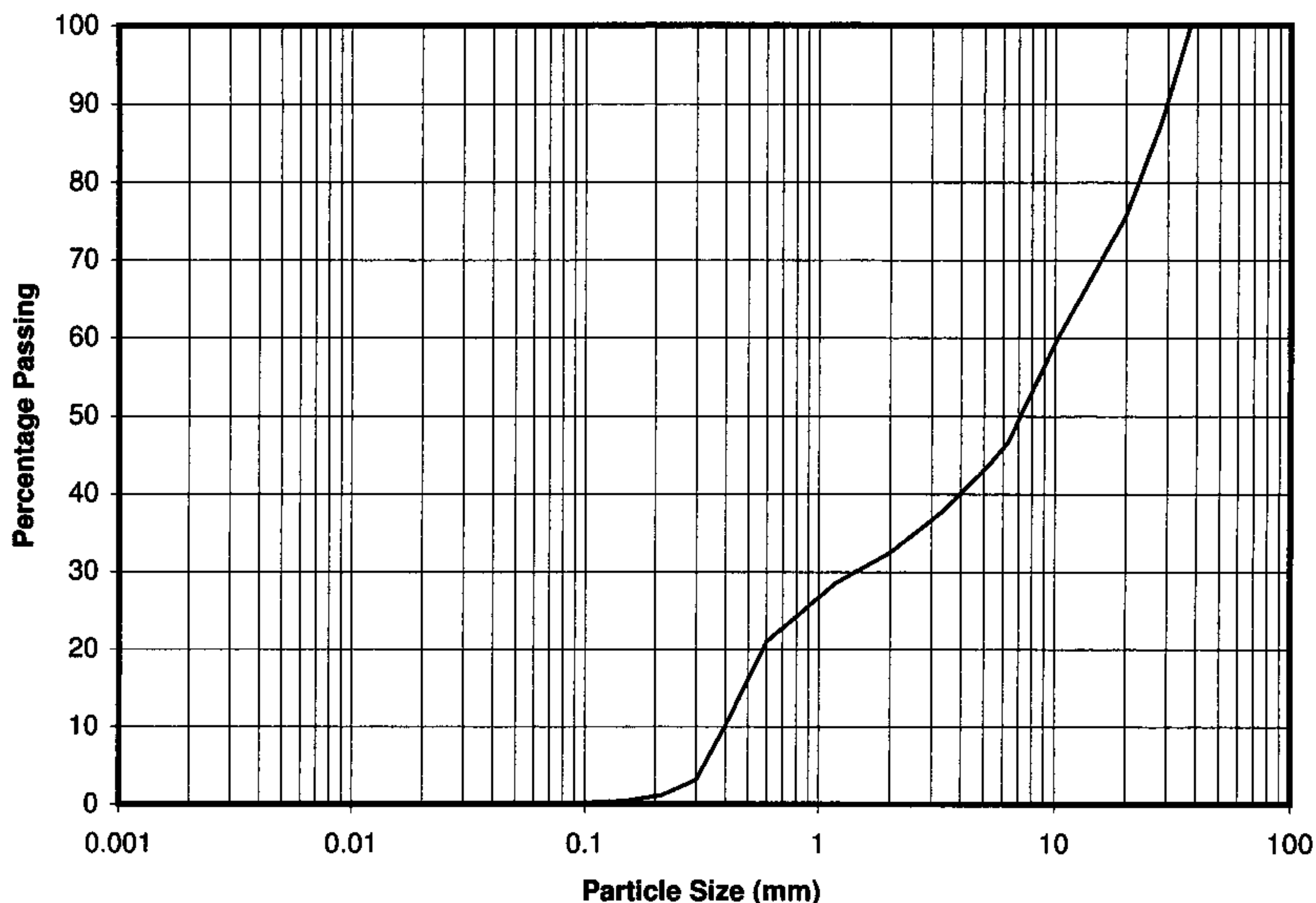
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnabourgh Street	SAMPLE	105	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	5.0-5.5	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	87.42
20.00	75.77
14.00	67.24
10.00	59.34
6.300	46.75
5.000	43.14
3.350	37.82
2.000	32.52
1.180	28.62
0.600	21.05
0.425	11.72
0.300	3.16
0.212	1.18
0.150	0.48
0.063	0.00

PARTICLE DIAMETER (mm)	% PASSING
2.00	32.52
0.063	0.00

SOIL FRACTION	TOTAL %
GRAVEL	67.48
SAND	32.52
SILT OR CLAY	0.00

NOTES:

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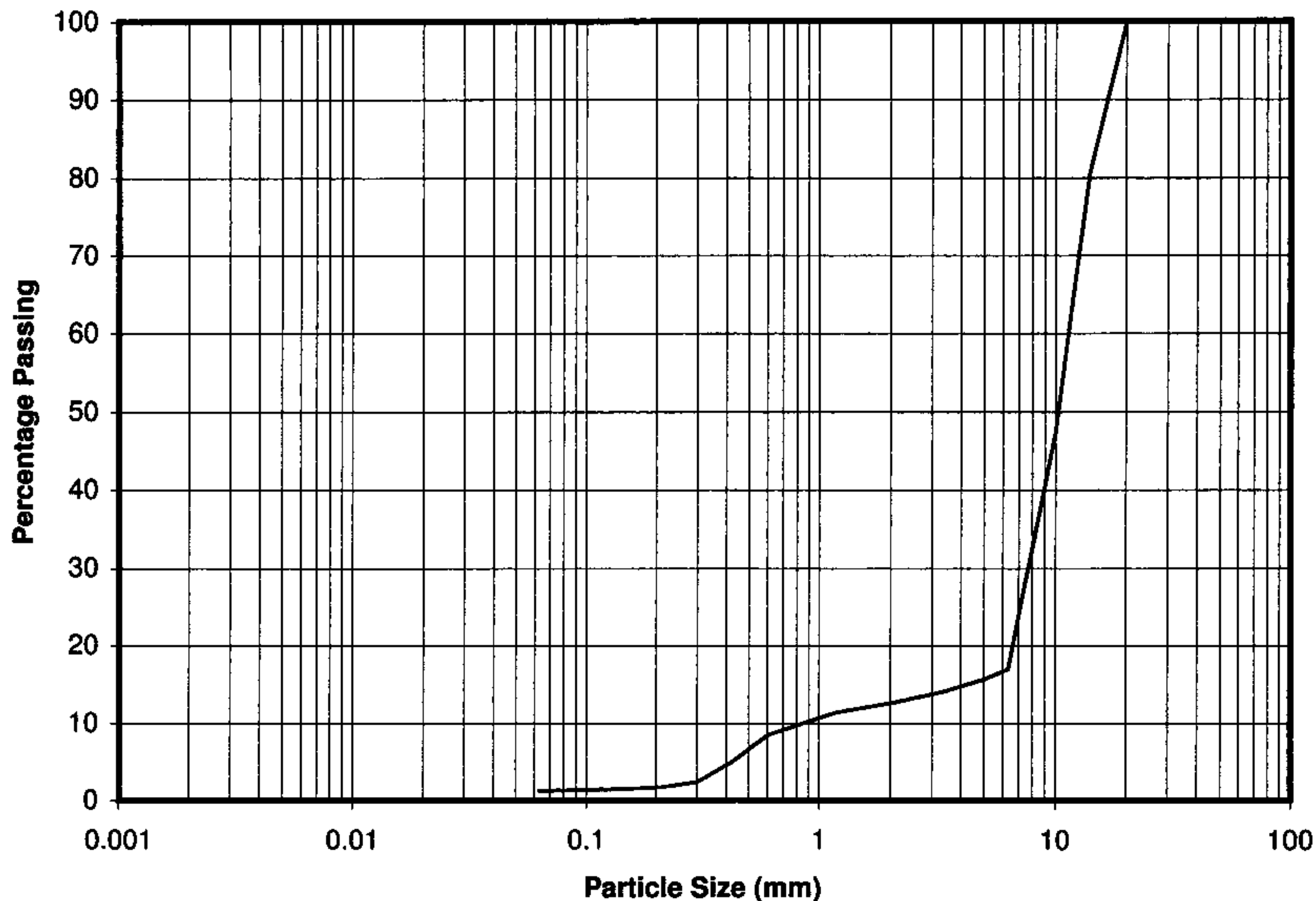
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnabourgh Street	SAMPLE	106	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	4.6-5.15	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	80.59
10.00	47.56
6.300	17.00
5.000	15.65
3.350	14.07
2.000	12.59
1.180	11.41
0.600	8.47
0.425	5.12
0.300	2.42
0.212	1.76
0.150	1.53
0.063	1.24

PARTICLE DIAMETER (mm)	% PASSING
2.00	12.59
0.063	1.24

SOIL FRACTION	TOTAL %
GRAVEL	87.41
SAND	11.34
SILT OR CLAY	1.24

NOTES:

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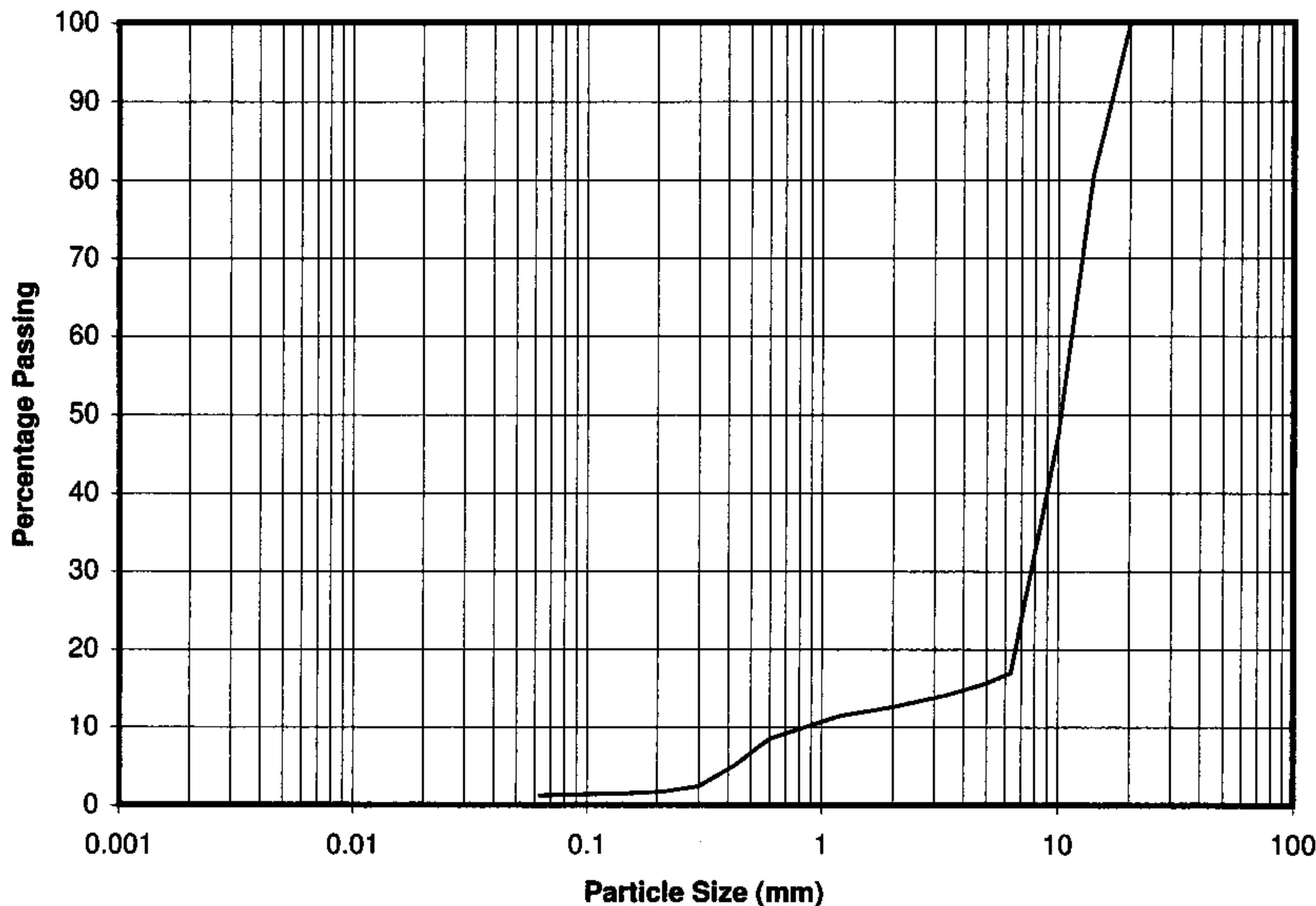
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnabourgh Street	SAMPLE	106	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	4.6-5.15	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	80.59
10.00	47.56
6.300	17.00
5.000	15.65
3.350	14.07
2.000	12.59
1.180	11.41
0.600	8.47
0.425	5.12
0.300	2.42
0.212	1.76
0.150	1.53
0.063	1.24

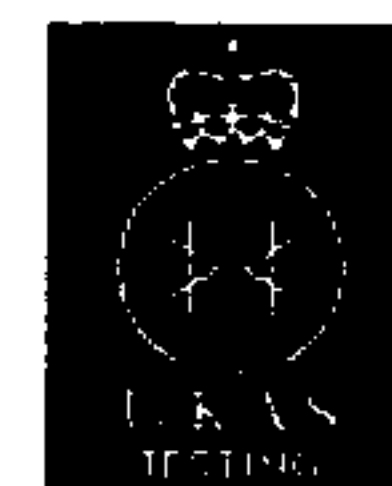
PARTICLE DIAMETER (mm)	% PASSING
2.00	12.59
0.063	1.24

SOIL FRACTION	TOTAL %
GRAVEL	87.41
SAND	11.34
SILT OR CLAY	1.24

NOTES:

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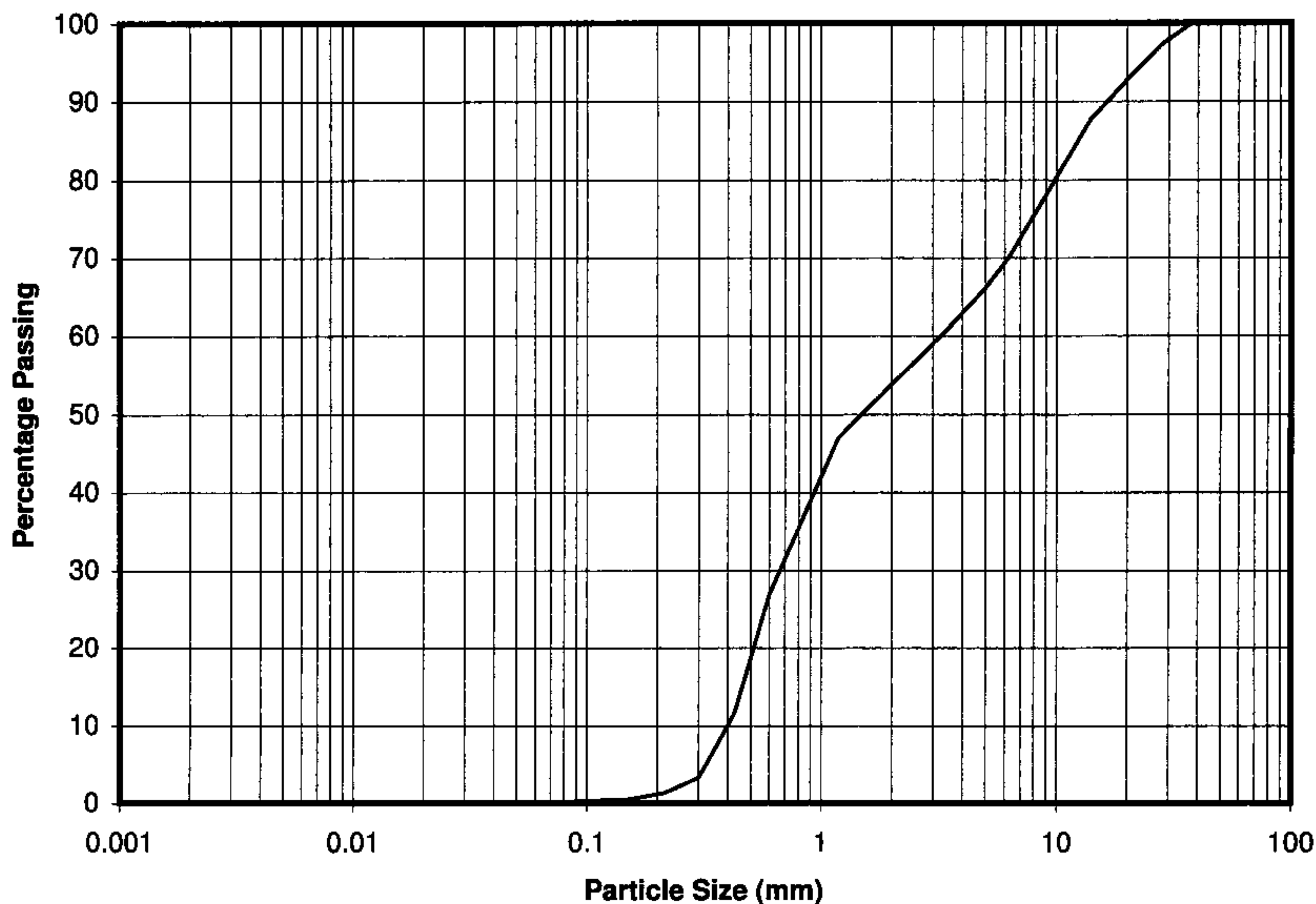
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnabourgh Street	SAMPLE	106	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	6.8-7.3	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	97.33
20.00	92.88
14.00	87.77
10.00	80.49
6.300	70.36
5.000	66.16
3.350	60.50
2.000	53.87
1.180	47.00
0.600	26.98
0.425	11.59
0.300	3.32
0.212	1.31
0.150	0.52
0.063	0.09

PARTICLE DIAMETER (mm)	% PASSING
2.00	53.87
0.063	0.09

SOIL FRACTION	TOTAL %
GRAVEL	46.13
SAND	53.78
SILT OR CLAY	0.09

NOTES:

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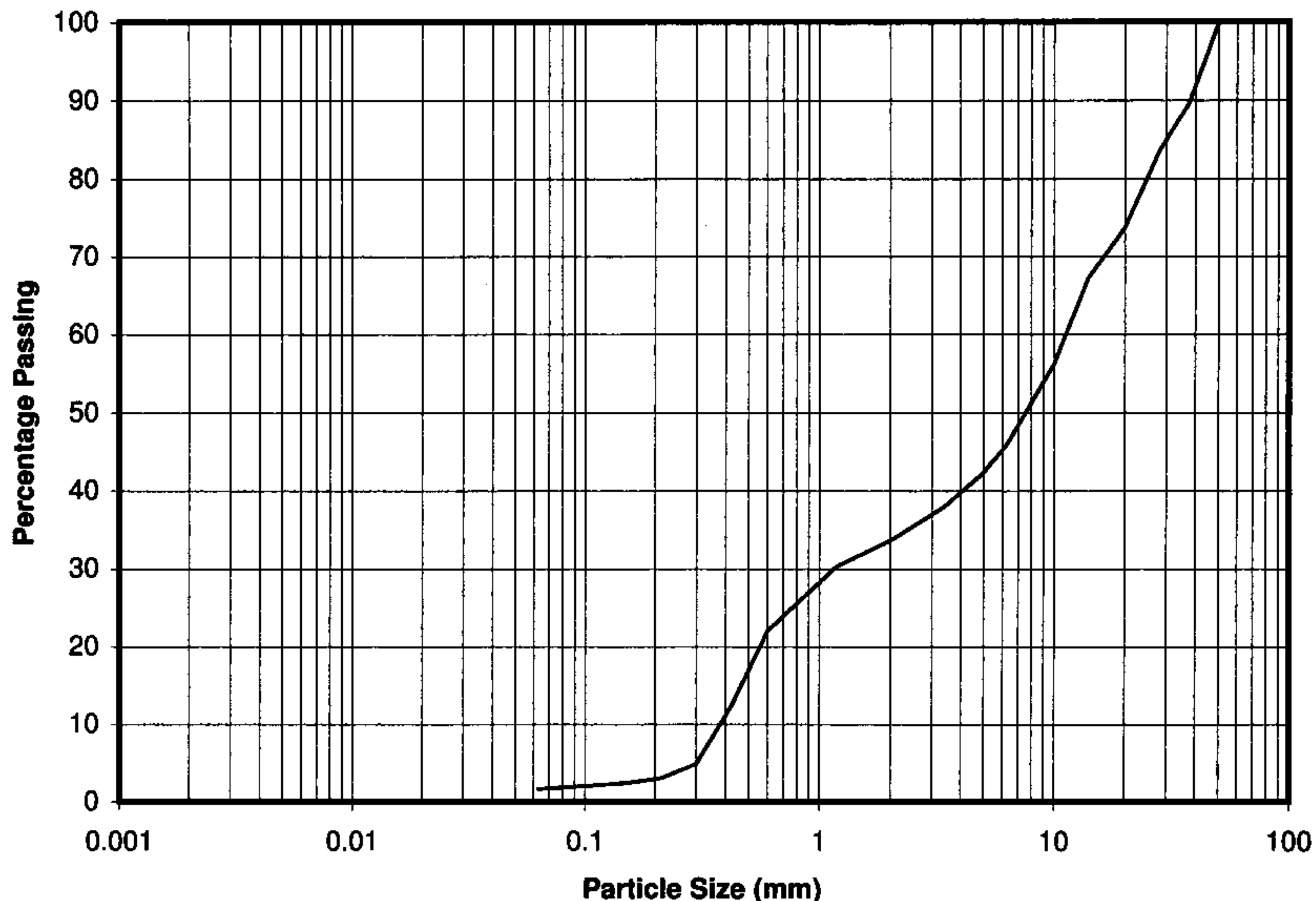
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PARTICLE SIZE DISTRIBUTION TEST : BS1377 : PART 2: CL9.2 1990

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnaburgh Street	SAMPLE	TP1	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	0.7-1.1	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	89.58
28.00	83.61
20.00	73.77
14.00	67.31
10.00	56.32
6.300	46.15
5.000	42.35
3.350	37.89
2.000	33.69
1.180	30.37
0.600	22.04
0.425	12.57
0.300	4.95
0.212	3.07
0.150	2.43
0.063	1.62

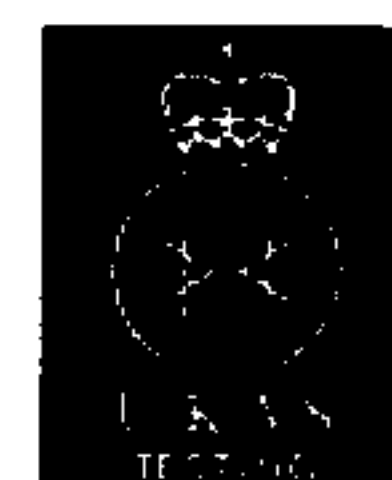
PARTICLE DIAMETER (mm)	% PASSING
2.00	33.69
0.063	1.62

SOIL FRACTION	TOTAL %
GRAVEL	66.31
SAND	32.07
SILT OR CLAY	1.62

NOTES:

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Unit 5, Centurion Business Park
Dabell Avenue, Bulwell
Nottingham, NG6 8WA



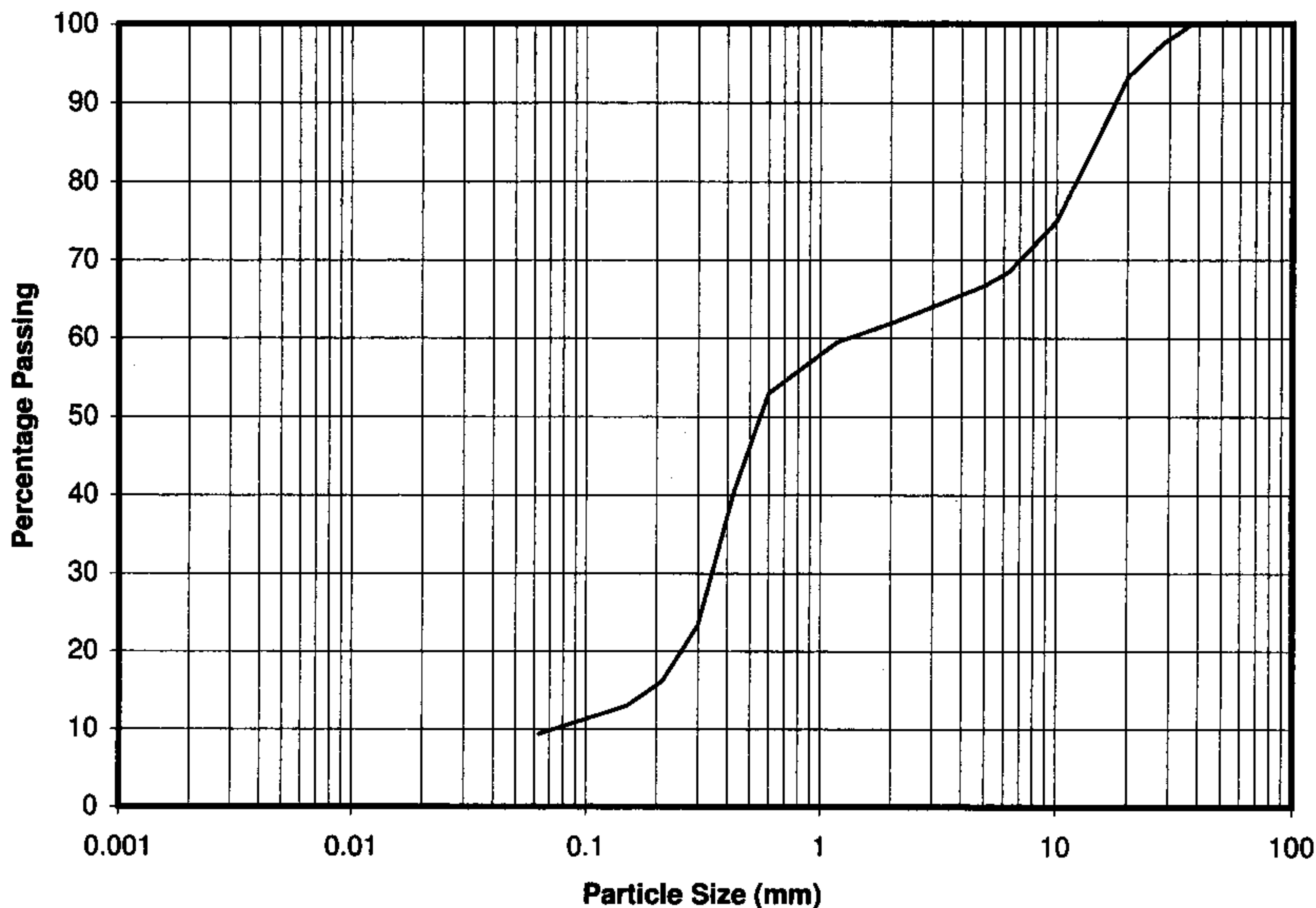
0206

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

RP05 30/08/05

ISSUE 1 REV 1

PROJECT : Osnabourgh Street	SAMPLE	TP4	LAB NO :	07/552/S
PROJECT NUMBER : 12040881	DEPTH(m)	2.50	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	97.49
20.00	93.25
14.00	83.65
10.00	74.95
6.300	68.58
5.000	66.74
3.350	64.63
2.000	61.91
1.180	59.54
0.600	53.01
0.425	40.51
0.300	23.48
0.212	16.19
0.150	13.00
0.063	9.34

PARTICLE DIAMETER (mm)	% PASSING
2.00	61.91
0.063	9.34

SOIL FRACTION	TOTAL %
GRAVEL	38.09
SAND	52.56
SILT OR CLAY	9.34

NOTES:

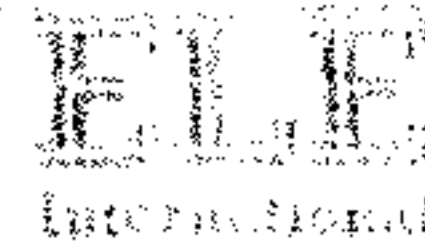
* SIZE PARTICLES ABOVE 60mm CLASSIFY AS COBBLES

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



0206

**Undrained Shear Strength in Triaxial
Compression without measurement of Pore
Pressure (Quick Undrained)**



Client	MJ Consulting	Lab Ref	06-0552/S
Project	Osmanburgh Street	Job	12040881 001
Borehole	BE1101	Sample	BE1101 850-895m

Test & Sample Details

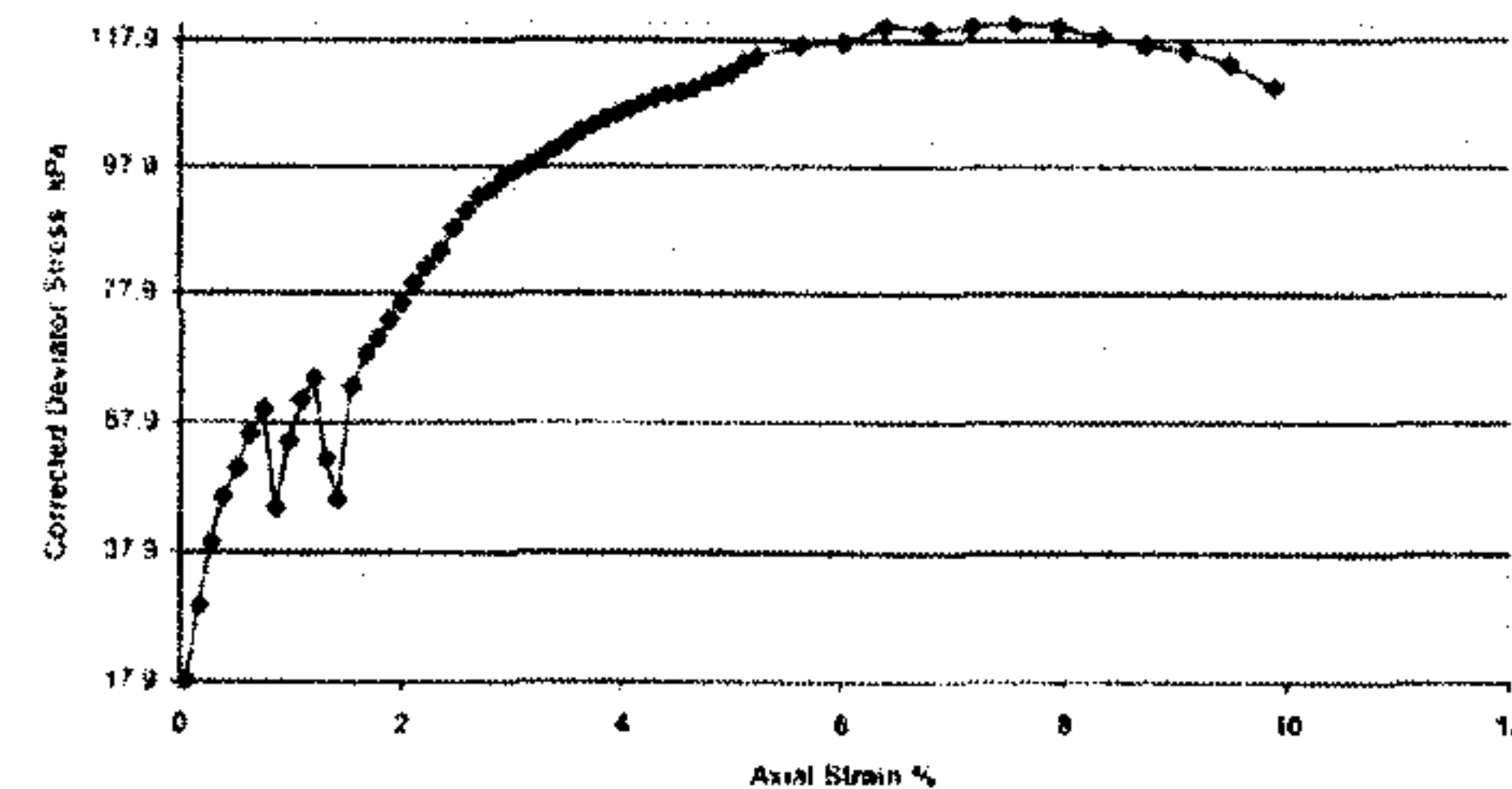
Standard	BS 1377 Part 7 Clause 8	Sample Depth	8.50 m
Sample Type	Undisturbed sample - open drive	Particle Density	2.65 Mg/m ³
Sample Description	Grey/dark grey/brown/dark brown firm slightly fissile laminated CLAY	Lab Temperature	21.0 deg C
Variations from Procedure	None		

Specimen Details

Specimen Reference	A1	Stage Reference	1
Depth within Sample	21.00 mm	Description	As above
Initial Height	195.57 mm	Orientation within Sample	vertical
Preparation	Undisturbed	Initial Diameter	102.93 mm
Initial Bulk Density	2.07 Mg/m ³	Initial Moisture Content*	26.9 % (Trimming: 25.4 %)
Initial Dry Density	1.63 Mg/m ³	Membrane Thickness	0.30 mm
Comments	none		

* Calculated from initial and dry weights of whole specimen

Shearing Stage (Stress Vs Axial Strain %)



**Undrained Shear Strength in Triaxial
Compression without measurement of Pore
Pressure (Quick Undrained)**



Client	MJ Consulting	Lab Ref	06-0552/S
Project	Osmanburgh Street	Job	12040881 001
Borehole	BE1101	Sample	BE1101 850-895m

Shear Conditions

Rate of Axial Strain	0.5%/min	Cell Pressure	258.5 kPa
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Conditions at Failure

Failure Criterion	Max Deviator Stress or Max allowed Strain		
Maximum Corrected Deviator Stress	120 kPa	Shear Strength	60 kPa
Axial Strain	7.55%		
Deviator Stress Correction	0.0 kPa		
Final Density	2.07 Mg/m ³	Final Moisture Content	26.9 %

Tested By and Date	SL 12 01/07
Checked By and Date	
Approved By and Date	

Mode of Failure

Undrained Shear Strength in Triaxial Compression without measurement of Pore Pressure (Quick Undrained)

ELE
International

Client	MJ Consulting	Lab Ref	06-0552-S
Project	Osnaburgh Street	Job	12040881-001
Borehole	BH101	Sample	BH101-1050-1095m

Test & Sample Details

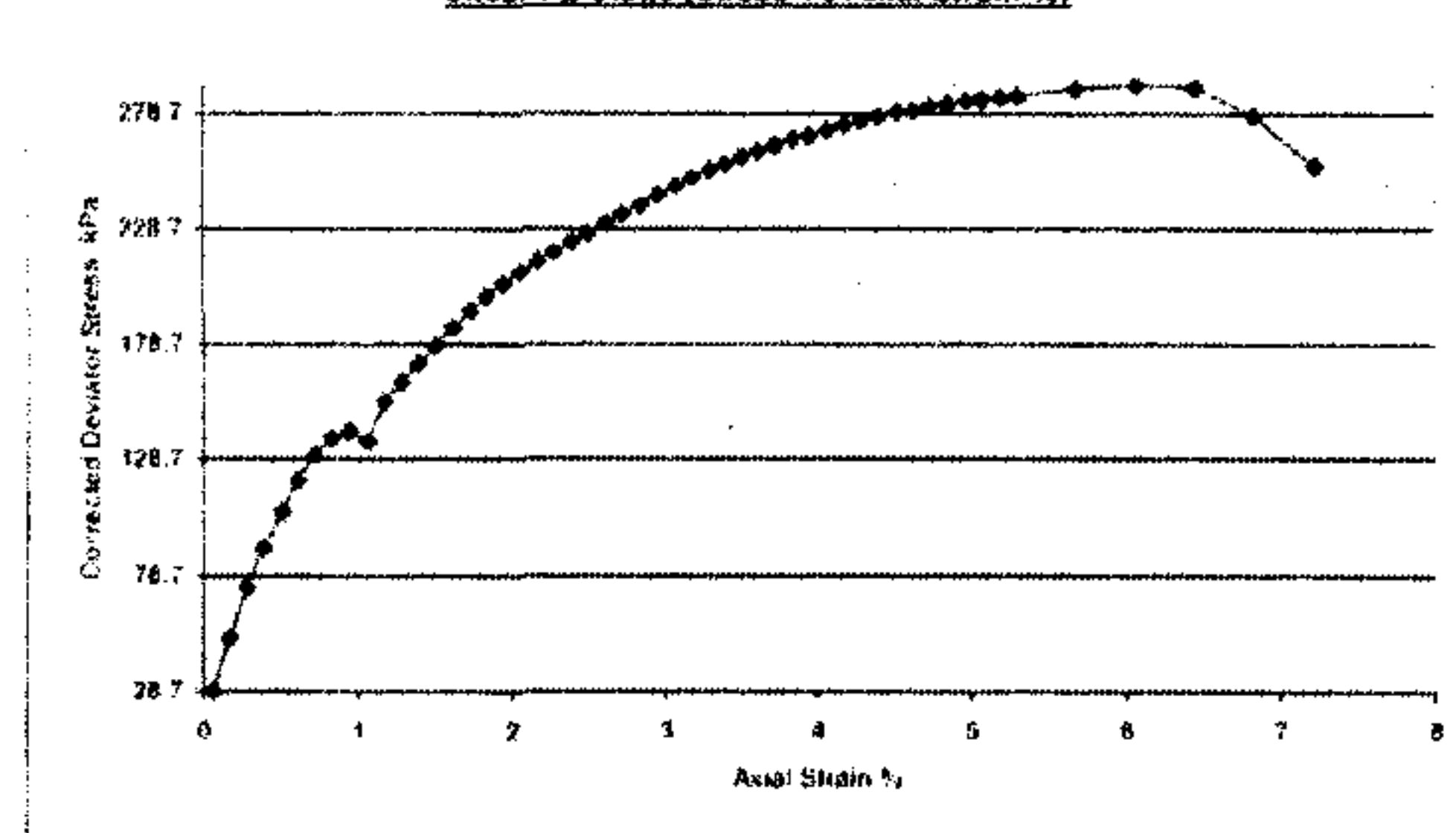
Standard	BS 1377 Part 7, Clause 8	Sample Depth	10.50 m
Sample Type	Undisturbed sample - open drive	Particle Density	2.65 Mg/m ³
Sample Description	Grey-dark grey firm-silt matrix laminated fissured CLAY	Lab. Temperature	20.2 deg. C
Variations from Procedure	None		

Specimen Details

Specimen Reference	A1	Stage Reference	1
Depth within Sample	15.00 mm	Description	As above
Initial Height	201.22 mm	Orientation within Sample	vertical
Preparation	Undisturbed	Initial Diameter	103.63 mm
Initial Bulk Density	2.07 Mg/m ³	Initial Moisture Content ^a	25.8 % (Trimming: 25.9 %)
Initial Dry Density	1.64 Mg/m ³	Membrane Thickness	0.30 mm
Comments	none		

^a Calculated from initial and dry weight of whole specimen

Shearing Stage (Stress Vs Axial Strain %)



Undrained Shear Strength in Triaxial Compression without measurement of Pore Pressure (Quick Undrained)

ELE
International

Client	MJ Consulting	Lab Ref	06-0552-S
Project	Osnaburgh Street	Job	12040881-001
Borehole	BH101	Sample	BH101-1050-1095m

Shear Conditions

Rate of Axial Strain	0.005%/min	Cell Pressure	119.1 kPa
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Conditions at Failure

Failure Criterion	Max Deviator Stress or Max allowed Strain		
Maximum Corrected Deviator Stress	270 kPa	Shear Strength	145 kPa
Axial Strain	6.07%		
Deviator Stress Correction	0.5 kPa		
Final Density	2.07 Mg/m ³	Final Moisture Content	25.8 %

Tested By and Date	SL 13/01/07
Checked By and Date	
Approved By and Date	

Mode of Failure

Undrained Shear Strength in Triaxial Compression without measurement of Pore Pressure (Quick Undrained)

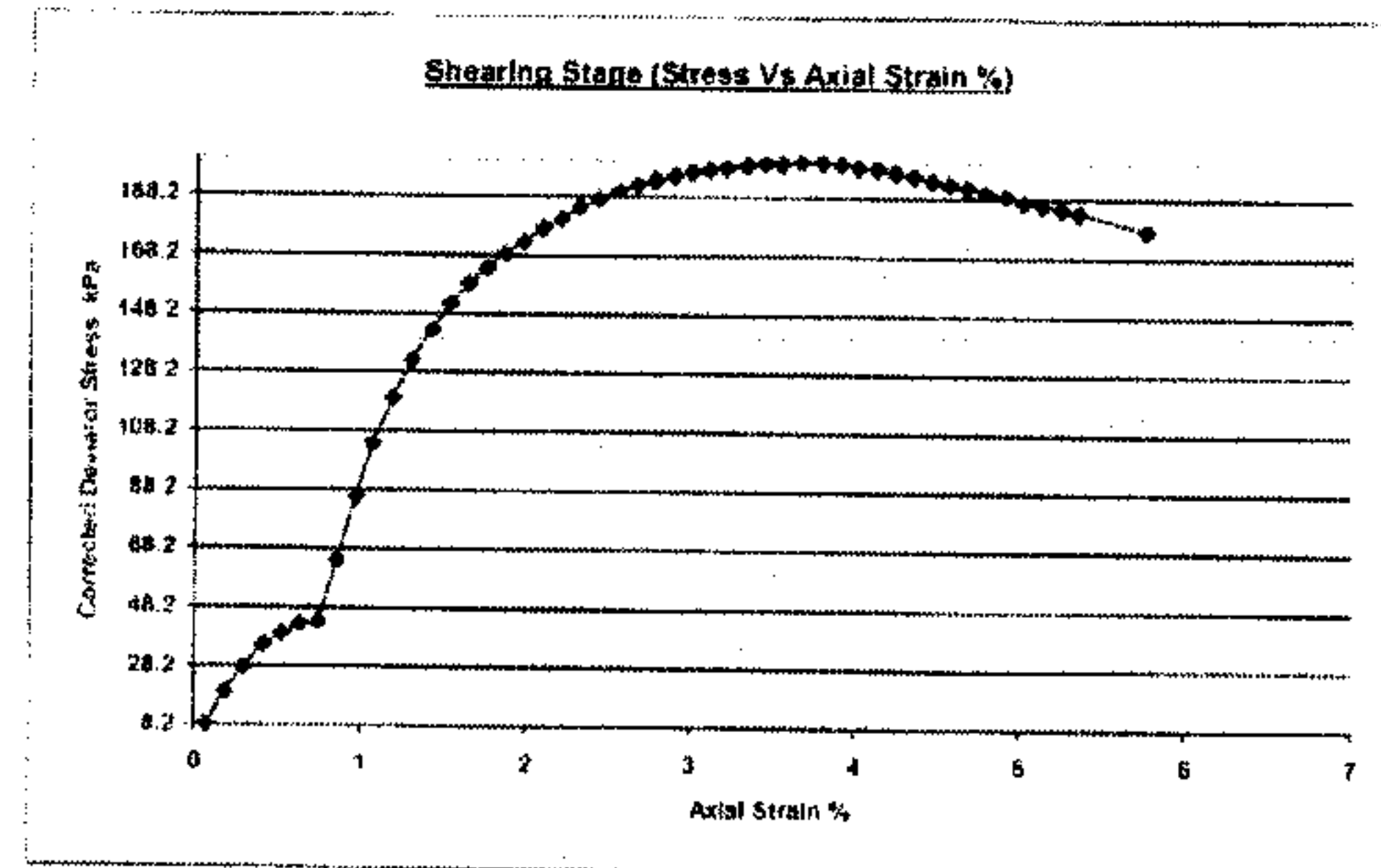
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International

Client	MJ Consulting	Lab Ref	06/552/S
Project	Osanburgh Street	Job	12040881 001
Borehole	BH101	Sample	BH101 1250-1295m

Test & Sample Details			
Standard	BS 1377 Part 7 - Clause 8	Sample Depth	12.50 m
Sample Type	Undisturbed sample - open drive	Particle Density	2.65 Mg/m ³
Sample Description	Grey/dark grey fine-stiff friable laminated fissured CLAY	Lab. Temperature	21.0 deg C
Variations from Procedure	None		

Specimen Details			
Specimen Reference	A1	Stage Reference	1
Depth within Sample	16.50 mm	Description	As above
Initial Height	198.50 mm	Orientation within Sample	vertical
Preparation	Undisturbed	Initial Diameter	102.85 mm
Initial Bulk Density	2.10 Mg/m ³	Initial Moisture Content*	25.4 %
Initial Dry Density	1.62 Mg/m ³	Membrane Thickness	0.30 mm
Comments	none		

* Calculated from initial and dry weights of whole specimen



Undrained Shear Strength in Triaxial Compression without measurement of Pore Pressure (Quick Undrained)

FILE
International

Client	MJ Consulting	Lab Ref	06/552/S
Project	Osanburgh Street	Job	12040881 001
Borehole	BH101	Sample	BH101 1250-1295m

Shear Conditions			
Rate of Axial Strain	0.0025/min	Cell Pressure	370.1 kPa
Conditions at Failure			
Failure Criterion	Max Deviator Stress or Max allowed Strain		
Maximum Corrected Deviator Stress	290.0 kPa	Shear Strength	150.0 kPa
Axial Strain	3.5 %		
Deviator Stress Correction	0.1 kPa		
Final Density	2.10 Mg/m ³	Final Moisture Content	25.4 %

Tested By and Date:	SL1501117
Checked By and Date:	
Approved By and Date:	

Mode of Failure