

APPENDIX C
LABORATORY TEST / MONITORING RESULTS AND TABLES

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD
 Telephone:- 01327 860947/860060 Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured to ISO 9001																									
SAMPLES				CLASSIFICATION TESTS						CLASSIFICATION TESTS				STRENGTH TESTS				CHEMICAL TESTS							
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
BH 101	D	3.00	PI/63	19	46	22	24	93	22	CI	91	0.42	24	-0.11										7.3	0.38
	D	3.50																						7.4	0.58
	D	5.00																							
	D	6.00	PI/63	18	44	21	23	100	23	CI	98	0.41	23	-0.12											
	D	11.00	PI/63	24	52	23	29	100	29	CH	93	0.46	25	0.04											0.88
	D	0.20													10										0.12
	D	0.70																							
	D	1.25	PI/63	19	50	20	29	87	25	CI	84	0.38	22	-0.05											0.15
	D	3.50	PI/63	20	33	18	15	94	14	CL	88	0.61	20	0.14											8.1
	D	4.75	PI/63	19	38	19	20	91	18	CI	81	0.50	21	0.02											0.96
	D	6.50																							
	D	9.20	PI/63	15	58	26	31	91	29	CH	87	0.26	28	-0.36											
	D	9.50																							
	CC	3.50	PI/63	21	48	22	26	94	24	CI	90	0.44	24	-0.04											2.34
	CC	5.00	PI/63	18	43	19	23	99	23	CI	93	0.42	21	-0.06											0.23
	CC	10.00	PI/63	27	81	30	50	96	48	CV	93	0.33	32	-0.07											0.60
	CC	4.50	PI/63	25	55	24	31	97	30	CH	96	0.45	26	0.02											
	CC	12.50																							
	CC	13.50	PI/63	22	50	26	24	91	22	CI	75	0.44	28	-0.17											0.25
Symbols:				U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen												
	D	Disturbed Sample	F	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen																	
	B	Bulk Sample	CC	Continuous Core	HP	Hand Percrometer																			
	W	Water Sample	PSD	Wet Sieving	V	Vane Test																			

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD
 Telephone:- 01327 860947/860060 Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

SAMPLES		CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS				CHEMICAL TESTS		Quality Assured to ISO 9001			
Test Location	Sample Type	Sample Depth -m	Test Type	MC%	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²		φ	pH Value	Soluble Sulphate Content SO4 g/l
BH 106	CC	5.50	PI/63	14	37	17	20	77	15	CI	55	0.38	19	-0.18											
	CC	8.00																							
	CC	12.30	PI/63	25	50	26	25	82	20	CH	60	0.50	28	-0.03										6.8	0.81
	B																								
	B																								
	B																								
	B																								
	B																								
CT A	D	0.10		23											13										
	D	0.30		5																					
	D	1.10	PI/63	20	48	21	27	86	23	CI	84	0.41	23	-0.05											
	D	1.50		20																					
	D	2.00	PI/63	20	41	21	20	99	20	CI	97	0.49	23	-0.05											
CT B	D	0.10		19																					
	D	0.40		10																					
	D	0.70		16																					
	D	1.00	PI/63	19	40	20	20	94	19	CI	91	0.47	22	-0.04											
	D	1.50		20																					
	D	2.00		22																					
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen														
	D	Disturbed Sample	63	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen																	
	B	Bulk Sample	H	Hydrometer	HP	Hand Penetrometer																			
	W	Water Sample	PSD	Wet Sieving	V	Vane Test																			

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Gloucestershire, NN12 8QD
 Telephone:- 01327 860947/860060 Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES		CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS				CHEMICAL TESTS							
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 42.5 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
CT C	D	2.50	PI/63	22	44	21	22	95	21	CI	92	0.50	23	0.03											
	D	3.00		18																					
	D	3.60		20																					
	D	4.00		18	37	19	19	91	17	CI	85	0.48	21	-0.04	9										
	D	4.50	PI/63	18																					
CT D	D	0.10		21																					
	D	0.30		14	47	19	28	82	23	CI	76	0.30	21	-0.19											
	D	0.50	PI/63	14																					
	D	1.00		20	30	17	13	87	11	CL	79	0.77	19	0.46											
	D	1.50	PI/63	23																					
Symbols:	D	2.00		10	48	19	29	88	25	CI	82	0.29	21	-0.18											
	D	0.10		19																					
	D	0.30		17																					
	D	0.60	PI/63	14																					
	D	1.00		15																					
Symbols:	D	1.50		21	45	21	24	85	21	CI	76	0.53	23	0.14											
	D	2.00	PI/63	24																					
	D	2.50		22	43	20	23	98	22	CI	96	0.48	22	0.03											
	D	2.90	PI/63	21																					
				U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen												
			D	Disturbed Sample	63	Passing 63µm	F	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen													
			B	Bulk Sample	H	Hydrometer	CC	Continuous Core	HP	Hand Penetrometer															
			W	Water Sample	PSD	Wet Sieving			V	Vane Test															

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES		CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS				CHEMICAL TESTS							
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
CTE	D	0.10		27																					
	D	0.40		14																					
CTF	D	1.00	PI/63	18	48	20	28	87	24	CI	84	0.38	22	-0.07									7.9	0.04	
	D	1.50		22																					
	D	2.00		19																					
	D	2.50	PI/63	22	43	21	22	99	21	CI	97	0.51	23	0.03											
CTG	D	3.00		17																					
	D	0.10		21																					
	D	0.40		16																					
CTH	D	1.00	PI/63	20	46	20	27	90	24	CI	80	0.43	22	0.01	7										
	D	1.50		15																					
	D	0.10		14																					
CTL	D	0.30	PSD	4																					
	D	0.90	PI/63	21	47	20	27	94	26	CI	81	0.45	22	0.05	11										
	D	1.55		9																					
CTL	D	0.10		17																					
	D	0.40	PSD	16																					
	D	1.00		8																					
D	0.10		14																						

Symbols:
 U Undisturbed Sample
 D Disturbed Sample
 B Bulk Sample
 W Water Sample
 R Remoulded
 63 Passing 63µm
 H Hydrometer
 PSD Wet Sieving
 PI Plasticity Index
 F Filter Paper Suction Tests
 CC Continuous Core
 T Triaxial Undrained
 M Multistage Triaxial
 HP Hand Penetrometer
 V Vane Test
 L 100mm specimen
 S 38mm specimen

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barr, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

CLASSIFICATION TESTS										CLASSIFICATION TESTS				STRENGTH TESTS				CHEMICAL TESTS				
SAMPLES		MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l
	D	8																			8.1	0.08
	D	10																				
CTM	D	12																				
	D	15																				
	D	5										11										
CTN	D	14																				
	D	7																				
	D	9																				
CTO	D	14																				
	D	9																				
CTP	D	24																				
	D	8																				
	D	7																				
CTQ	D	9																				
	D	8																				
CTR	D	12																				
	D	11																				
	D	9																				
CTS	D	13																				
	D																					
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen											
	D	63	Disturbed Sample	H	Passing 63µm Hydrometer	F	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen											
	B	Bulk Sample	PSD	Water Sample	H	Hydrometer	CC	Continuous Core	HP	Hand Penetrometer												
	W	Water Sample			PSD	Wet Sieving			V	Vane Test												

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES				CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS				CHEMICAL TESTS		
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l
TP 1	D	0.40	PSD	7																				
	D	0.10		21											11								7.7	0.19
	D	0.50		4																				
	D	1.00	PSD	5																				
	D	1.50		22																				
TP 2	D	2.50	PI/63	23	42	21	20	94	19	CI	91	0.55	23	0.08										
	D	0.10		17																				
	D	0.50	PSD	7																				
	D	1.00		6																				
	D	1.50		22																				
TP 3	D	2.00		25																				
	D	3.00	PI/63	22	44	23	21	98	21	CI	97	0.50	25	-0.02										
	D	0.20		24																				
	D	0.50	PSD	15																				
TP 4	D	1.00		17																				
	D	1.40		18																				
	D	2.00	PI/63	21	42	20	22	97	21	CI	94	0.50	22	0.06									8.0	0.04
	D	0.10		11											10								7.5	0.17
D	0.50		5																					

Symbols:

- U Undisturbed Sample
- D Disturbed Sample
- B Bulk Sample
- W Water Sample

- R Remoulded
- 63 Passing 63µm Hydrometer
- H Wet Sieving

- PI Plasticity Index
- F Filter Paper Suction Tests
- CC Continuous Core

- T Triaxial Undrained
- M Multistage Triaxial
- HP Hand Penetrometer
- V Vane Test

- L 100mm specimen
- S 38mm specimen

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES		CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS				CHEMICAL TESTS							
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l	
TP 5	D	1.00	PI/63	15	47	21	26	77	20	CI	73	0.32	23	-0.22	12										
	D	2.00		21																					
	D	3.00	PI/63	24	43	22	21	96	20	CI	95	0.55	24	0.08											
	D	0.10		18																					
	D	0.50		9																					
TP 6	D	1.00	PI/63	17	46	20	26	90	24	CI	87	0.37	22	-0.11											
	D	1.50		22																					
	D	2.50	PI/63	24	45	22	23	94	22	CI	94	0.53	24	0.08											
	D	0.10		17																					
	D	0.50		9																					
TP 7	D	1.00		20																					
	D	2.00	PI/63	21	45	21	23	97	23	CI	95	0.47	23	-0.01											
	D	3.00		23																					
	D	0.50		11																					
	D	1.00		23																					
TP 8	D	1.50	PI/63	21	45	21	24	96	23	CI	94	0.47	23	0.02											
	D	2.00		23																					
	D	0.10		27																					
	D	0.40		22																					
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen														
	D	Disturbed Sample	63	Passing 63µm	F	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen															
	B	Bulk Sample	H	Hydrometer	CC	Continuous Core	HP	Hand Penetrometer																	
	W	Water Sample	PSD	Wet Sieving			V	Vane Test																	

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD
 Telephone:- 01327 860947/860060 Fax:- 01327 860430 Email: groundtech@listersgeotechnics.co.uk

SAMPLES		CLASSIFICATION TESTS										CLASSIFICATION TESTS								STRENGTH TESTS				CHEMICAL TESTS	
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
TP 9	D	1.00	PI/63	18	47	20	27	98	26	CI	97	0.38	22	-0.09											
	D	1.50		19																					
	D	2.00		21																					
	D	3.00	PI/63	23	43	21	21	97	21	CI	95	0.54	23	0.09											
	D	0.10		11																					
TP 10	D	0.50	PSD	2																					
	D	1.00		20																					
	D	2.00	PI/63	20	41	21	21	99	20	CI	98	0.49	23	-0.03											
	D	3.00		22																					
	D	0.30		24																					
TP 11	D	0.80	PI/63	13	38	17	21	92	20	CI	86	0.34	19	-0.17	6										
	D	1.20		13																					
	D	1.60		22																					
	D	2.00	PI/63	21	42	20	22	88	19	CI	86	0.51	22	0.06	8										
	D	0.10		27																					
				11																					
				14	44	19	24	33	8	CI	30	0.32	21	-0.22											
				23																					
				23	44	22	22	98	21	CI	95	0.53	24	0.05											

Symbols:
 U Undisturbed Sample
 D Disturbed Sample
 B Bulk Sample
 W Water Sample
 R Remoulded
 63 Passing 63µm
 H Hydrometer
 PSD Water Sieving
 PI Plasticity Index
 F Filter Paper Suction Tests
 CC Continuous Core
 T Triaxial Undrained
 M Multistage Triaxial
 HP Hand Penetrometer
 V Vane Test
 L 100mm specimen
 S 38mm specimen

LABORATORY TEST RESULTS

Project Ref
 14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES		CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS				CHEMICAL TESTS						
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l		
TP 12	D	0.10		20																						
	D	0.50		19																						
	D	1.00	PI/63	21	41	19	22	95	21	CI	89	0.52	21	0.10												
	D	1.50		21																						
	D	2.40	PI/63	25	44	21	23	90	21	CI	87	0.57	23	0.17												
TP 13	D	0.20		27																						
	D	0.50		23																						
	D	1.00	PI/63	15	38	18	21	89	18	CI	80	0.39	20	-0.14												
	D	1.50		16																						
	D	2.00		20																						
TP 14	D	3.40	PI/63	20	36	20	17	87	15	CI	82	0.55	22	0.02												
	D	0.30		14																						
	D	0.50		7																						
TP 15	D	1.00		8																						
	D	1.40	PSD	11																						
	D	0.10		18																						
	D	0.50		5																						
	D	1.00	PSD	10																						
D	1.20		4																							
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	F	Filter Paper Suction Tests	T	Triaxial Undrained	L	100mm specimen	D	Disturbed Sample	M	Multistage Triaxial	S	38mm specimen	B	Bulk Sample	HP	Hand Penetrometer			
		B	Bulk Sample	H	Hydrometer	CC	Continuous Core	V	Vane Test																	
		W	Water Sample	PSD	Wet Sieving																					

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD
 Telephone:- 01327 860947/860060 Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES				CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS				CHEMICAL TESTS							
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l			
TP 16	D	0.10		28											13												
	D	0.50		8																							
	D	1.00	PSD	8																							
	D	1.40		5																							
TP 17	D	0.10		21																							
	D	0.50	PSD	5																							
	D	1.00		4																							
	D	1.50		20																							
TP 18	D	2.00	PI/63	23	47	23	24	94	23	CI	92	0.49	25	0.00										8.0	0.10		
	D	0.50		9																							
	D	1.00	PSD	6																							
	D	0.10		17																							
	D	0.50		7																							
	D	1.00	PSD	11																							
TP 20	D	0.10		10																							
	D	0.50		7																							
	D	1.00	PSD	13																							
	D	1.50		9																							
TP 21	D	0.10		13																							
Symbols: U Undisturbed Sample R Remoulded D Disturbed Sample 63 Passing 63µm B Bulk Sample H Hydrometer W Water Sample PSD Wet Sieving																											
T Triaxial Undrained L 100mm specimen M Multistage Triaxial S 38mm specimen HP Hand Penetrometer V Vane Test																											

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

CLASSIFICATION TESTS										CLASSIFICATION TESTS					STRENGTH TESTS				CHEMICAL TESTS		Quality Assured to ISO 9001					
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²		Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l	
TP 22	D	0.50		7																						
	D	1.00		18																						
	D	1.50	PI/63	21	51	22	29	95	27	CH	94	0.41	24	-0.04												
	D	2.00		21																						
	D	0.10		11																						
TP 23	D	0.50	PSD	4																						
	D	1.00		3																						
	D	1.50		20																						
	D	2.00	PI/63	24	50	22	27	100	27	CI	99	0.48	24	0.06												
	D	0.10		14																						
TP 24	D	0.50		7																						
	D	1.00		5																						
	D	1.50	PI/63	21	49	22	27	99	27	CI	98	0.43	24	-0.03												
	D	2.50		25																						
	D	0.10		12																						
TP 25	D	0.50		12																						
	D	1.00	PSD	8																						
	D	1.50		14																						
	D	0.10		24																						
	D	0.10		24																						
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen															
	D	Disturbed Sample	63	Filter Paper	M	Multistage Triaxial	S	38mm specimen																		
	B	Bulk Sample	H	Hydrometer	HP	Hand Penetrometer																				
	W	Water Sample	PSD	Wet Sieving	V	Vane Test																				
LABORATORY TEST RESULTS															Project Ref 14.08.005a											

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES				CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS				CHEMICAL TESTS			
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
	D	0.50		23																					
	D	1.00	PSD	12																					
	D	1.50		10																					
TP 26	D	0.50		20																					
	D	1.00	PSD	14																					
	D	0.10		19																					
	D	0.50		9																					
TP 28	D	1.00	PSD	2																				8.0	0.06
	D	0.50		11																					
	D	1.00	PSD	6																					
	D	1.50		10																					
	D	0.30		17																					
TP 29	D	0.50		8																					
	D	1.00		2																					
	D	1.20	PSD	4																					
TP 30	D	0.10		26																					
	D	0.50	PSD	7																					
	D	1.00		12																					
	D	1.30		5																					
Symbols:				U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen												
	D	Disturbed Sample	63	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen																	
	B	Bulk Sample	H	Hydrometer	CC	Continuous Core	HP	Hand Penetrometer																	
	W	Water Sample	PSD	Wet Sieving	V	Vane Test																			

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Email: groundtech@listersgeotechnics.co.uk

Fax:- 01327 860430

Quality Assured
to ISO 9001

SAMPLES		CLASSIFICATION TESTS							CLASSIFICATION TESTS							STRENGTH TESTS				CHEMICAL TESTS					
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO ₄ g/l	
TP 31	D	0.10		18																					
	D	0.50	PSD	7																					
	D	0.80		3																					
TP 32	D	0.30		14											11										
	D	0.50	PSD	9																					
	D	1.00		10																					
TP 33	D	0.10		17																					
	D	0.50		4																					
	D	1.00	PSD	10																					
TP 34	D	0.10		21																					
	D	0.50		13																					
	D	1.00	PSD	14																					
	D	1.50		9																					
	D	2.00		21																					
	D	2.50	PI/63	22				88	20	CI	83	0.55	20	0.18											
	D	3.00		24																					
TP 35	D	0.10		17																					
	D	0.50		4																					
	D	1.00	PSD	12																					
Symbols:		U	Undisturbed Sample	R	Remoulded	PI	Plasticity Index	T	Triaxial Undrained	L	100mm specimen														
	D	Disturbed Sample	63	Passing 63µm	F	Filter Paper Suction Tests	M	Multistage Triaxial	S	38mm specimen															
	B	Bulk Sample	H	Hydrometer	CC	Continuous Core	HP	Hand Penetrometer																	
	W	Water Sample	PSD	Wet Sieving			V	Vane Test																	

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
to ISO 9001

SAMPLES				CLASSIFICATION TESTS						CLASSIFICATION TESTS						STRENGTH TESTS				CHEMICAL TESTS					
Test Location	Sample Type	Sample Depth -m	Test Type	MC %	LL %	PL %	PI %	Passing 425 µm %	Modified PI %	Class	Passing 63 µm %	MC/LL	PL+ 2%	Liquidity Index	Loss on Ignition %	Soil Suction kPa	Bulk Density Mg/m ³	Test Type	Cell Pressure kN/m ²	Deviator Stress kN/m ²	Apparent Cohesion kN/m ²	φ	pH Value	Soluble Sulphate Content SO4 g/l	
TP 36	D	0.50	PSD	7																					
TP 37	D	1.00	PSD	3																					
	D	1.40		3																					
	D	0.10		16																					
TP 38	D	0.50		4																					
	D	1.00		10																					
	D	0.10		19																					
TP 39	D	0.50	PSD	8																					
	D	1.40	PI/63	11	47	20	27	93	25	CI	88	0.24	22	-0.35	9										
	D	0.10		13																					
TP 40	D	0.50	PSD	10																					
	D	0.80		7																					
	D	0.10		21																					
D	0.50	PSD	9																						

Symbols:

U Undisturbed Sample
D Disturbed Sample
B Bulk Sample
W Water Sample

R Remoulded
63 Passing 63µm
H Hydrometer
PSD Wet Sieving

PI Plasticity Index
F Filter Paper Suction Tests
CC Continuous Core

T Triaxial Undrained
M Multistage Triaxial
HP Hand Penetrometer
V Vane Test

L 100mm specimen
S 38mm specimen

LABORATORY TEST RESULTS

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

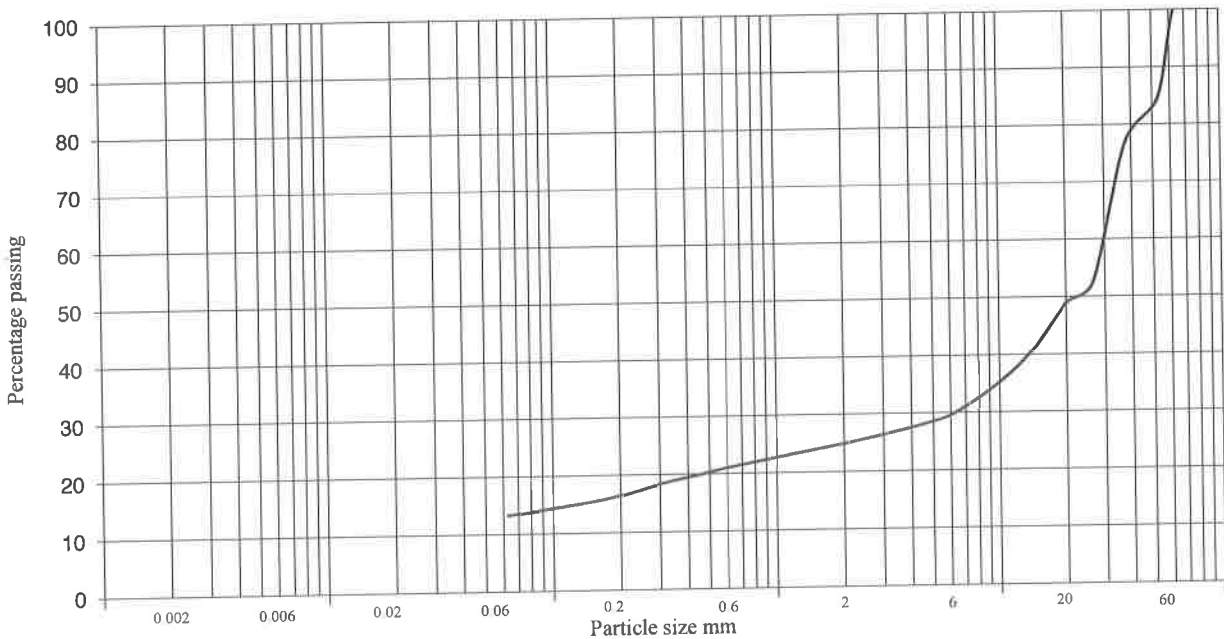
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire Test Location: TP 19 Sample Depth: 1.00m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g):		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
		75mm			
		63mm			
		50mm	84.58		
		37.5mm	76.72		
		26.5mm	52.46		
		20mm	48.92		
		14mm	40.67		
		10mm	35.27		
		6.3mm	30.04		
		5mm	28.59		
		3.5mm	26.83		
		2mm	24.94		
		1.18mm	23.24		
		600µm	21.04		
		425µm	19.68		
		300µm	18.42		
		212µm	16.74		
		150µm	15.46		
		63µm	13.29		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: CT G

Sample Depth: 0.30m -0.90m

Sample Description:

Hydrometer No.:

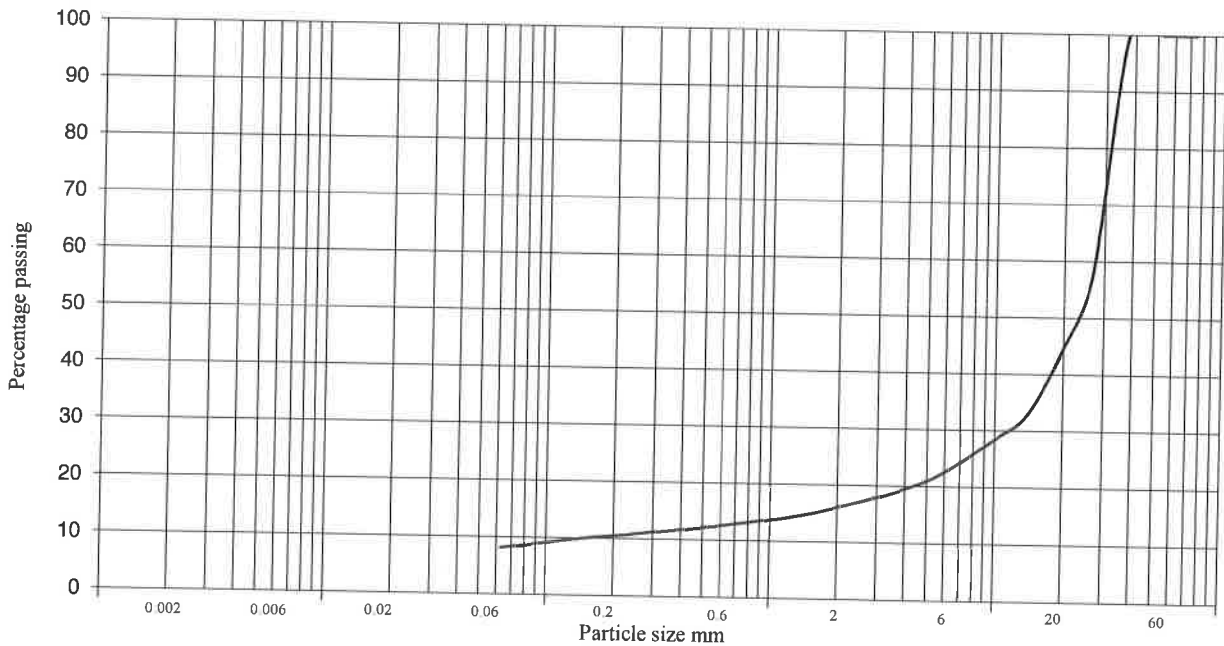
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm			
26.5mm	57.04		
20mm	44.67		
14mm	33.03		
10mm	28.43		
6.3mm	23.14		
5mm	20.97		
3.5mm	18.56		
2mm	16.15		
1.18mm	14.21		
600µm	12.57		
425µm	11.87		
300µm	11.23		
212µm	10.55		
150µm	10.02		
63µm	8.15		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

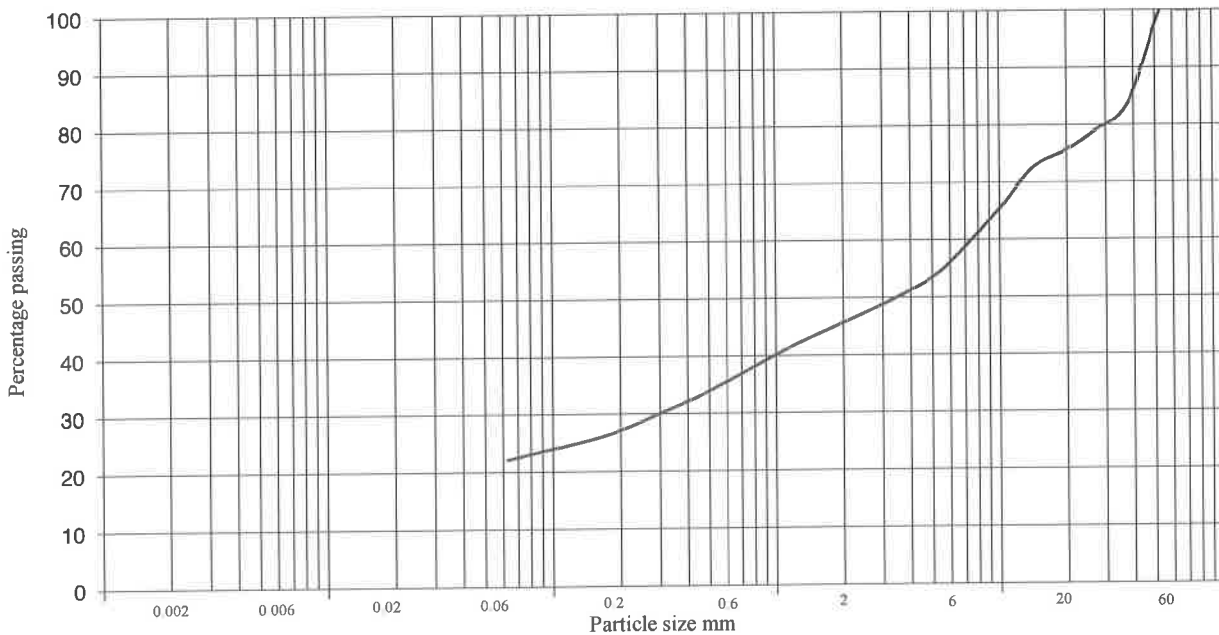
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire Test Location: CT H Sample Depth: 0.40m -1.00m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g):		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
		75mm			
		63mm			
		50mm			
		37.5mm	83.66		
		26.5mm	78.86		
		20mm			
		14mm	72.53		
		10mm	65.43		
		6.3mm	56.95		
		5mm	53.54		
		3.5mm	49.75		
		2mm	45.73		
		1.18mm	41.66		
		600µm	35.59		
		425µm	32.64		
		300µm	30.09		
		212µm	27.57		
		150µm	25.68		
		63µm	22.18		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: CTL

Sample Depth: 1.00m -1.20m

Sample Description:

Hydrometer No.:

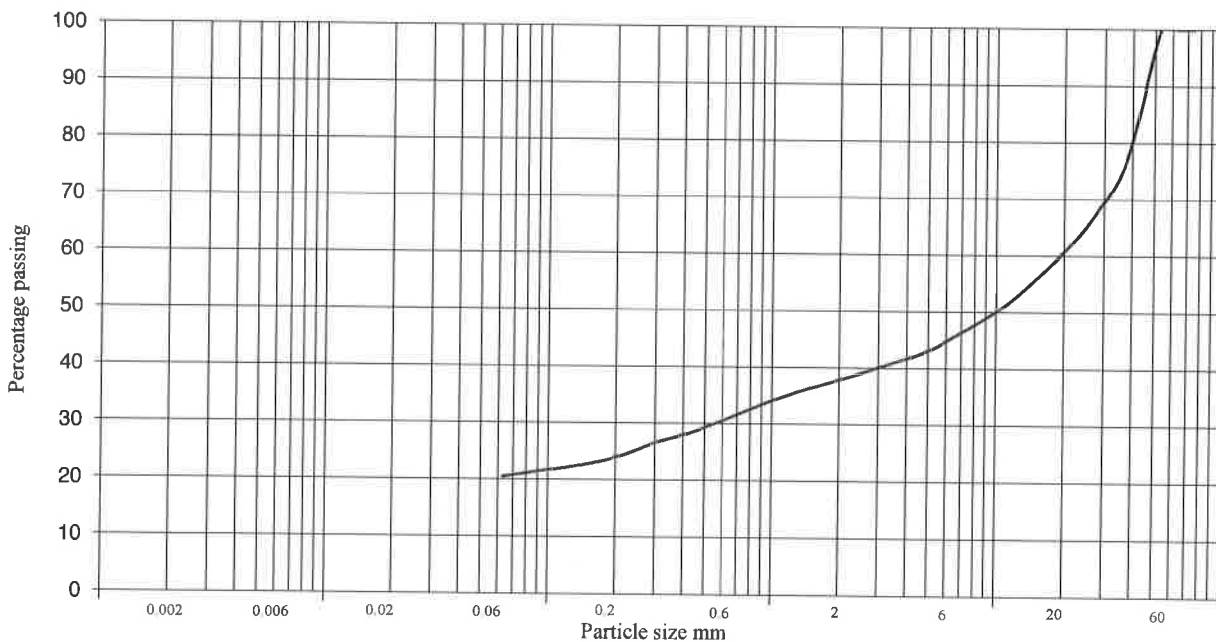
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	76.74		
26.5mm	66.63		
20mm	60.78		
14mm	54.87		
10mm	50.08		
6.3mm	45.33		
5mm	43.14		
3.5mm	40.70		
2mm	37.91		
1.18mm	35.21		
600µm	30.57		
425µm	28.35		
300µm	26.63		
212µm	24.32		
150µm	22.86		
63µm	20.47		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

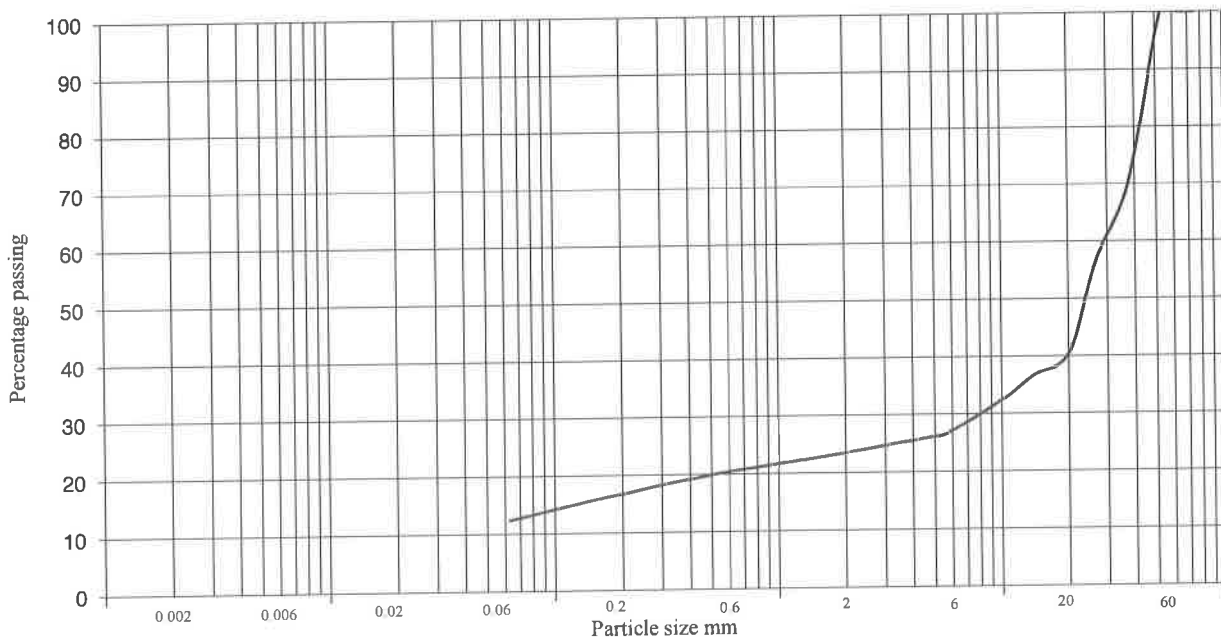
West Waddy ADP LLP
Site: Land to the East of Woodstock, Oxfordshire

Test Location: CT M
Sample Depth: 0.40m -0.75m
Sample Description:

Hydrometer No.:
SG Gs:
Water Visc. (N):
Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	70.33		
26.5mm	56.48		
20mm	40.45		
14mm	36.88		
10mm	32.43		
6.3mm	27.63		
5mm	26.17		
3.5mm	25.02		
2mm	23.48		
1.18mm	22.10		
600µm	20.47		
425µm	19.37		
300µm	18.28		
212µm	16.93		
150µm	15.78		
63µm	12.38		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

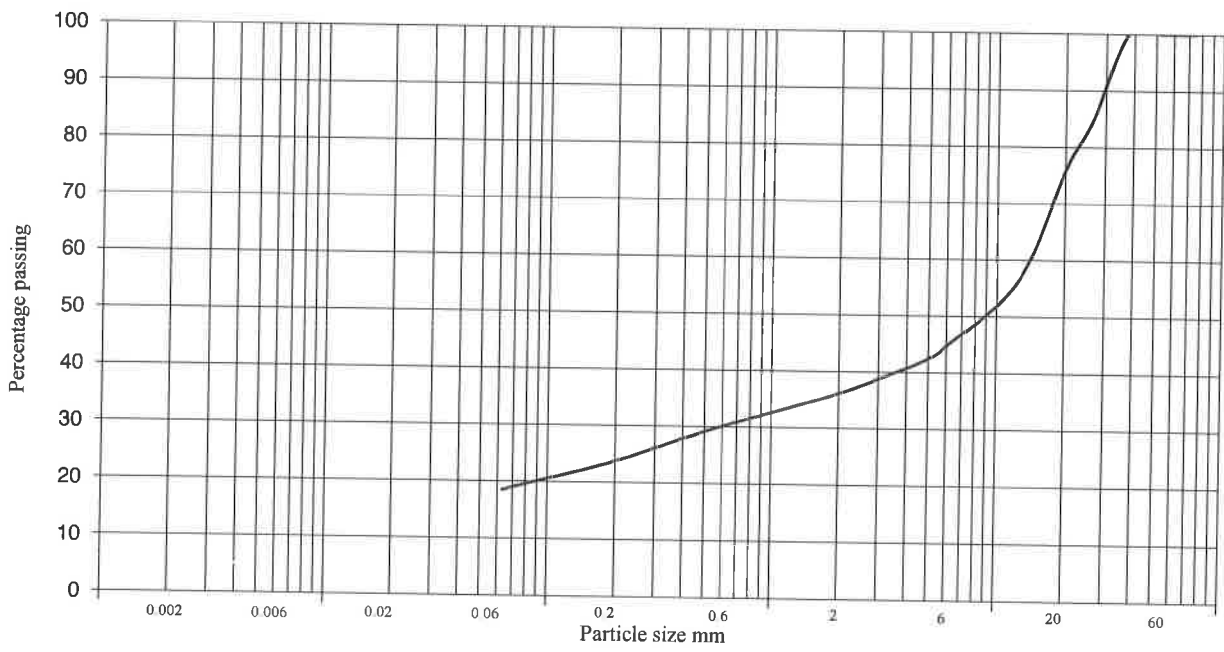
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
Test Location:	CTN	75mm			
Sample Depth:	0.75m -1.10m	63mm			
Sample Description:		50mm			
Hydrometer No.:		37.5mm			
SG Gs:		26.5mm	85.09		
Water Visc. (N):		20mm	75.91		
Dry Mass of Soil after pretreatment (g):		14mm	60.01		
		10mm	51.96		
		6.3mm	45.49		
		5mm	42.46		
		3.5mm	39.56		
		2mm	36.20		
		1.18mm	33.53		
		600µm	30.15		
		425µm	28.30		
		300µm	26.19		
		212µm	24.13		
		150µm	22.41		
		63µm	18.57		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: CT O

Sample Depth: 0.50m -0.70m

Sample Description:

Hydrometer No.:

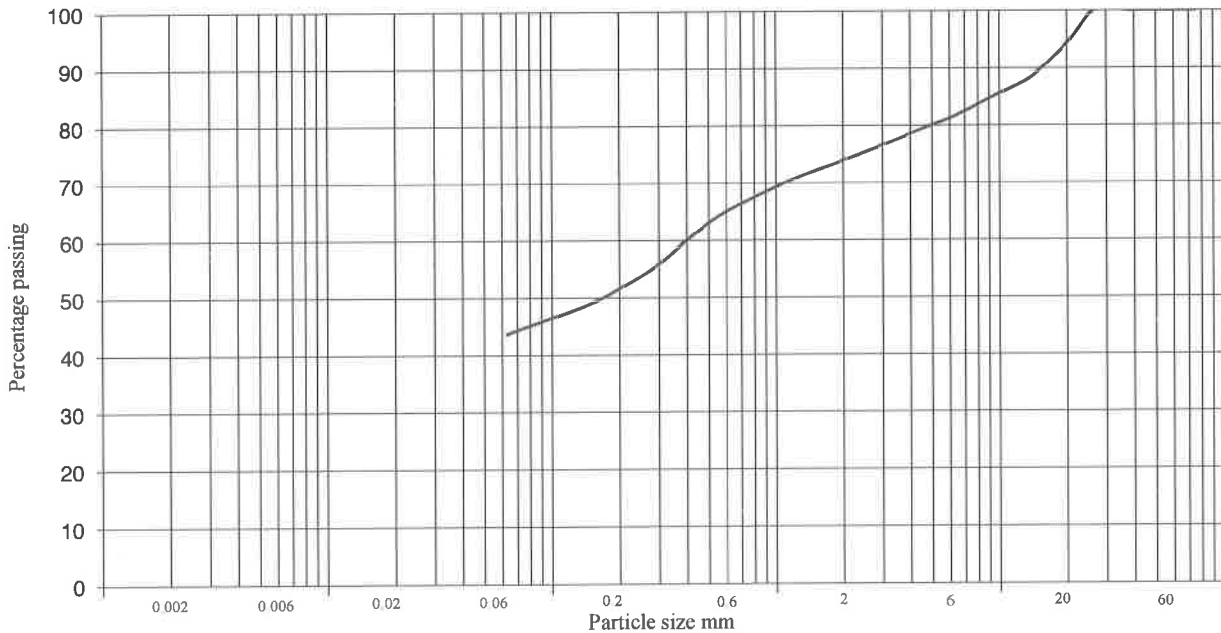
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm			
26.5mm			
20mm	94.33		
14mm	88.68		
10mm	85.60		
6.3mm	81.59		
5mm	80.06		
3.5mm	77.39		
2mm	73.95		
1.18mm	70.60		
600µm	65.03		
425µm	60.91		
300µm	55.87		
212µm	52.22		
150µm	49.10		
63µm	43.69		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured ISO 9001

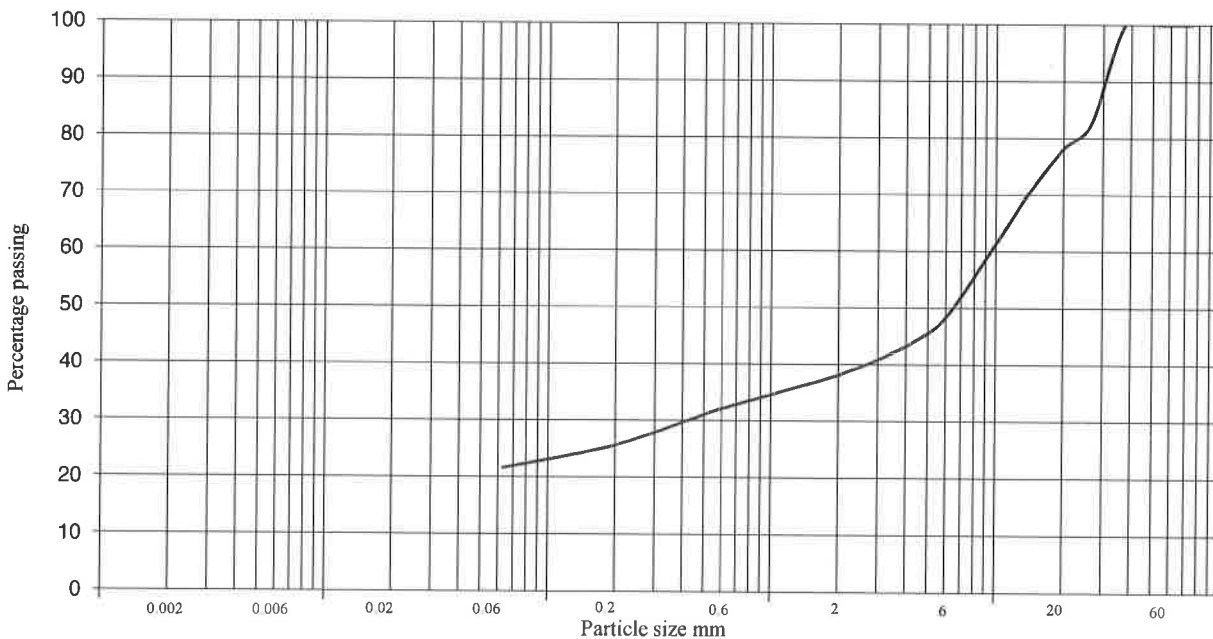
West Waddy ADP LLP		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
Site:	Land to the East of Woodstock, Oxfordshire	75mm			
		63mm			
Test Location:	CT P	50mm			
Sample Depth:	0.50m -1.10m	37.5mm			
Sample Description:		26.5mm	82.52		
		20mm	78.17		
		14mm	70.33		
		10mm	61.37		
		6.3mm	49.45		
		5mm	45.54		
		3.5mm	41.72		
		2mm	38.10		
		1.18mm	35.41		
		600µm	32.08		
		425µm	30.02		
		300µm	27.86		
		212µm	25.88		
		150µm	24.42		
		63µm	21.57		

Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

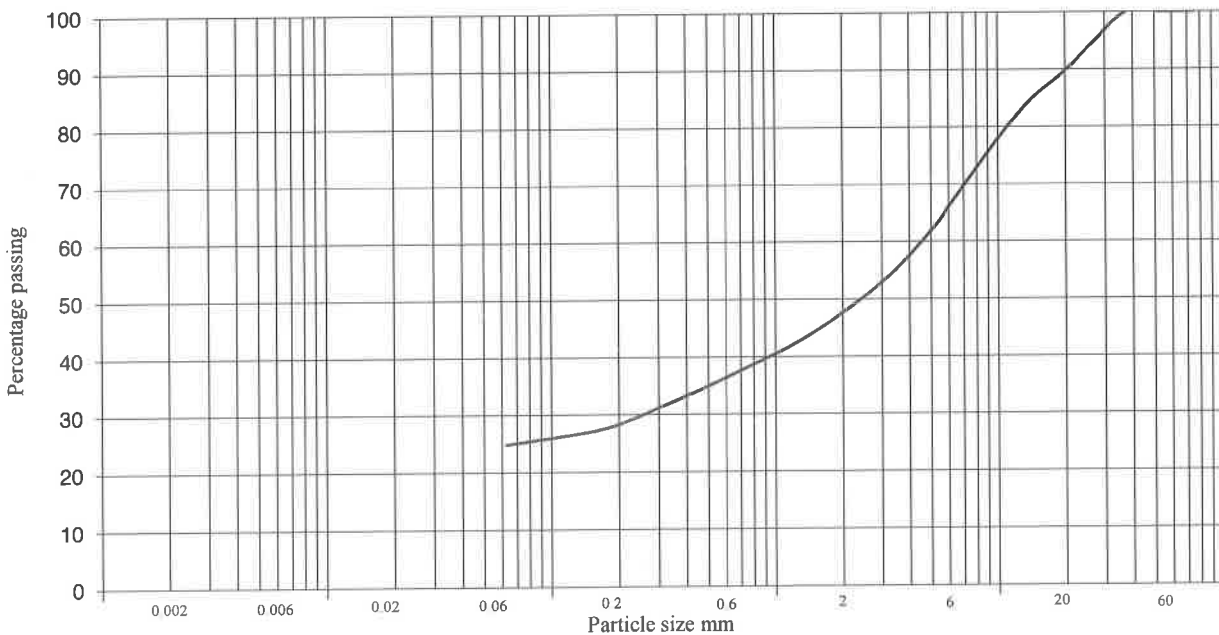
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire Test Location: CT Q Sample Depth: 0.50m -0.70m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g):		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
		75mm			
		63mm			
		50mm			
		37.5mm			
		26.5mm	94.71		
		20mm			
		14mm	84.78		
		10mm	77.92		
		6.3mm	67.29		
		5mm	61.92		
		3.5mm	54.64		
		2mm	47.68		
		1.18mm	42.02		
		600µm	36.45		
		425µm	33.75		
		300µm	31.19		
		212µm	28.68		
		150µm	27.04		
		63µm	24.88		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: CT S

Sample Depth: 0.40m -0.70m

Sample Description:

Hydrometer No.:

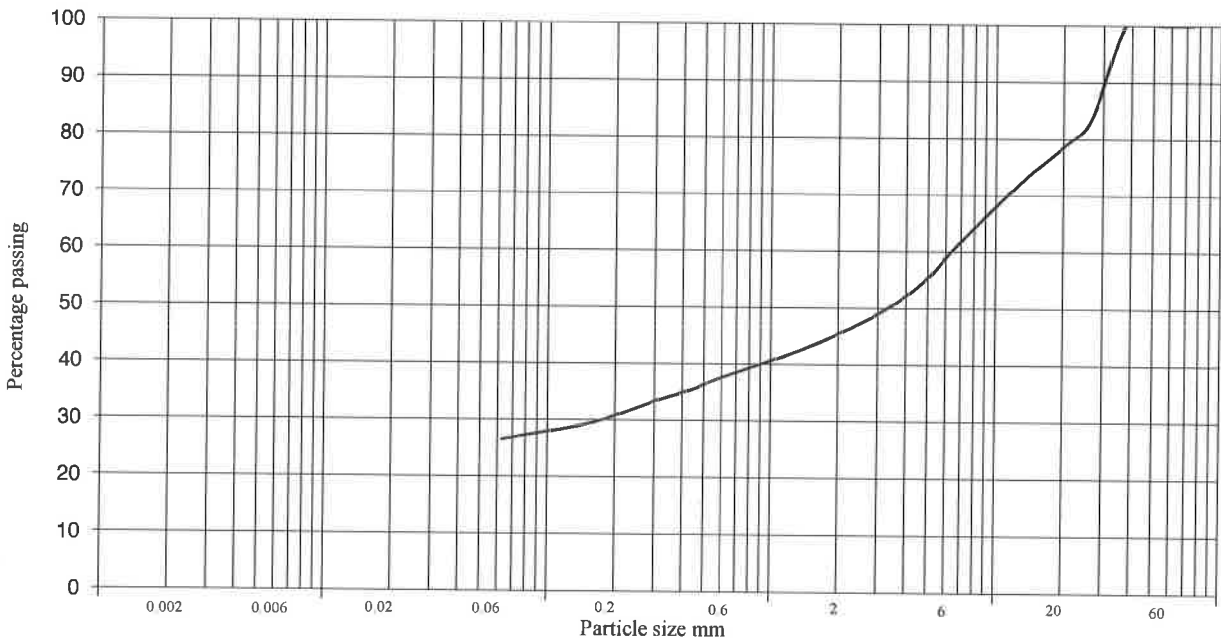
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm			
26.5mm	83.42		
20mm	78.63		
14mm	73.56		
10mm	68.00		
6.3mm	59.92		
5mm	55.42		
3.5mm	50.14		
2mm	45.49		
1.18mm	41.68		
600µm	37.60		
425µm	35.27		
300µm	33.40		
212µm	31.18		
150µm	29.31		
63µm	26.52		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

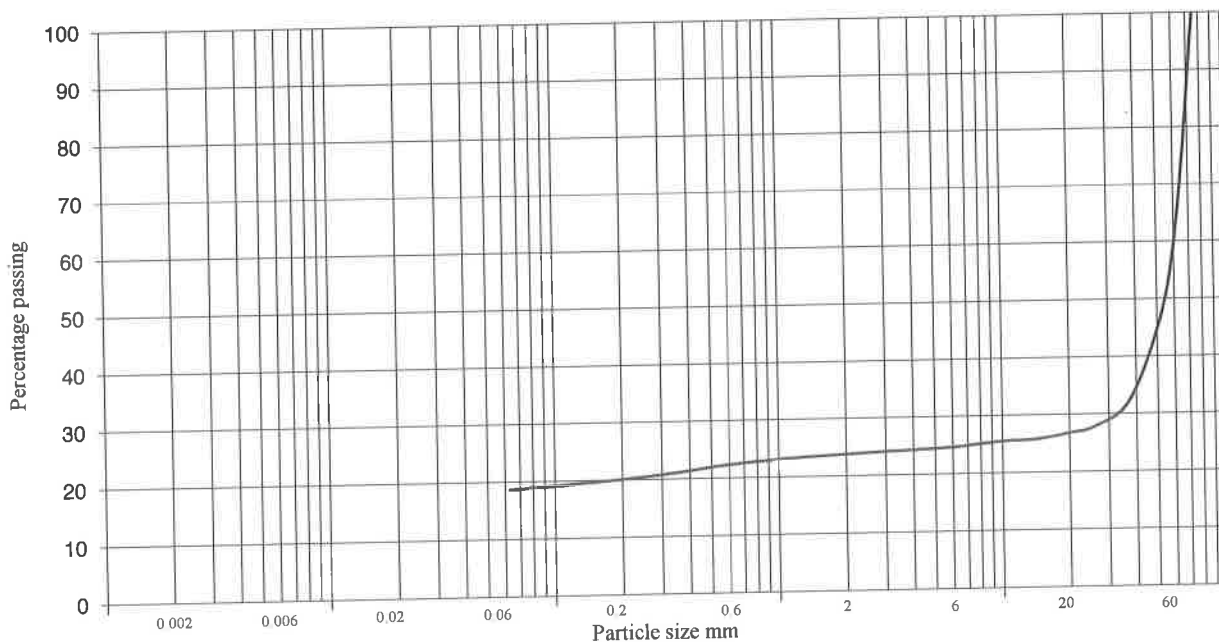
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
Test Location:	TP 1	75mm			
Sample Depth:	1.00m	63mm	66.79		
Sample Description:		50mm	48.17		
		37.5mm	32.54		
		26.5mm	28.02		
		20mm	26.81		
		14mm	25.80		
		10mm	25.55		
		6.3mm	24.75		
		5mm	24.49		
Hydrometer No.:		3.5mm	24.21		
SG Gs:		2mm	23.81		
Water Visc. (N):		1.18mm	23.31		
Dry Mass of Soil after pretreatment (g):		600µm	22.35		
		425µm	21.56		
		300µm	20.80		
		212µm	20.21		
		150µm	19.71		
		63µm	18.74		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Test Method: BS 1377 : Part 2 : 1990 : 9.2

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 2

Sample Depth: 0.50m

Sample Description:

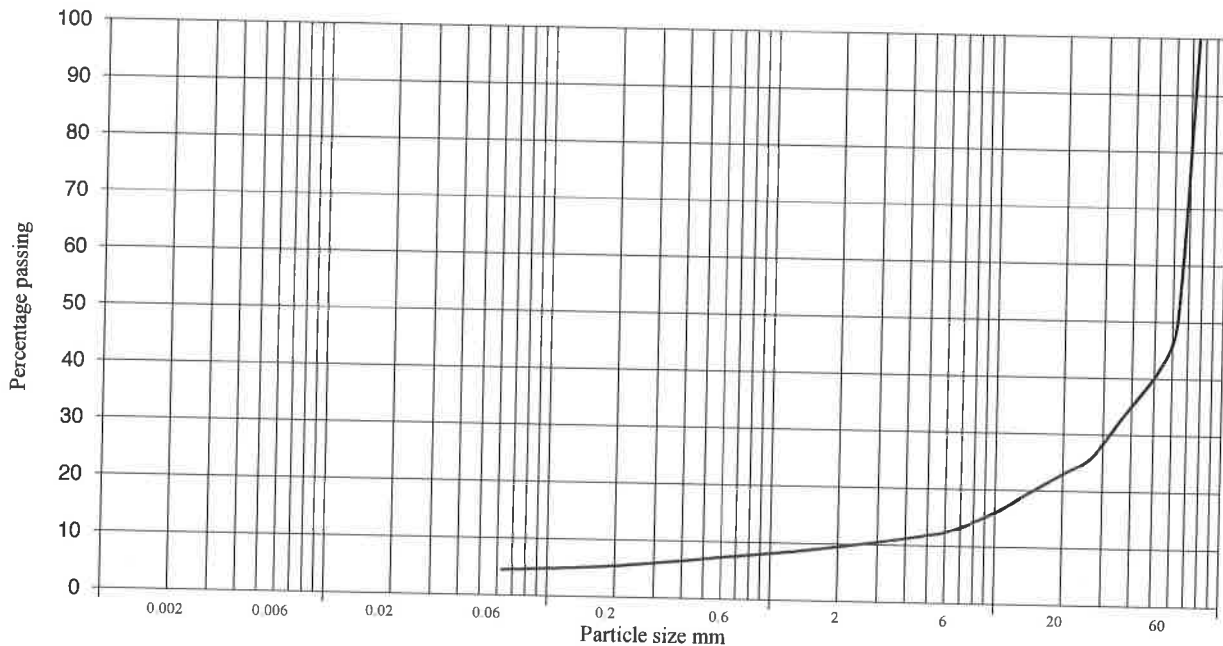
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm	49.76		
50mm			
37.5mm	33.70		
26.5mm	25.98		
20mm	23.04		
14mm	19.52		
10mm	16.05		
6.3mm	12.73		
5mm	11.88		
3.5mm	10.80		
2mm	9.57		
1.18mm	8.46		
600µm	7.31		
425µm	6.68		
300µm	6.13		
212µm	5.56		
150µm	5.17		
63µm	4.48		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured ISO 9001

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 3

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

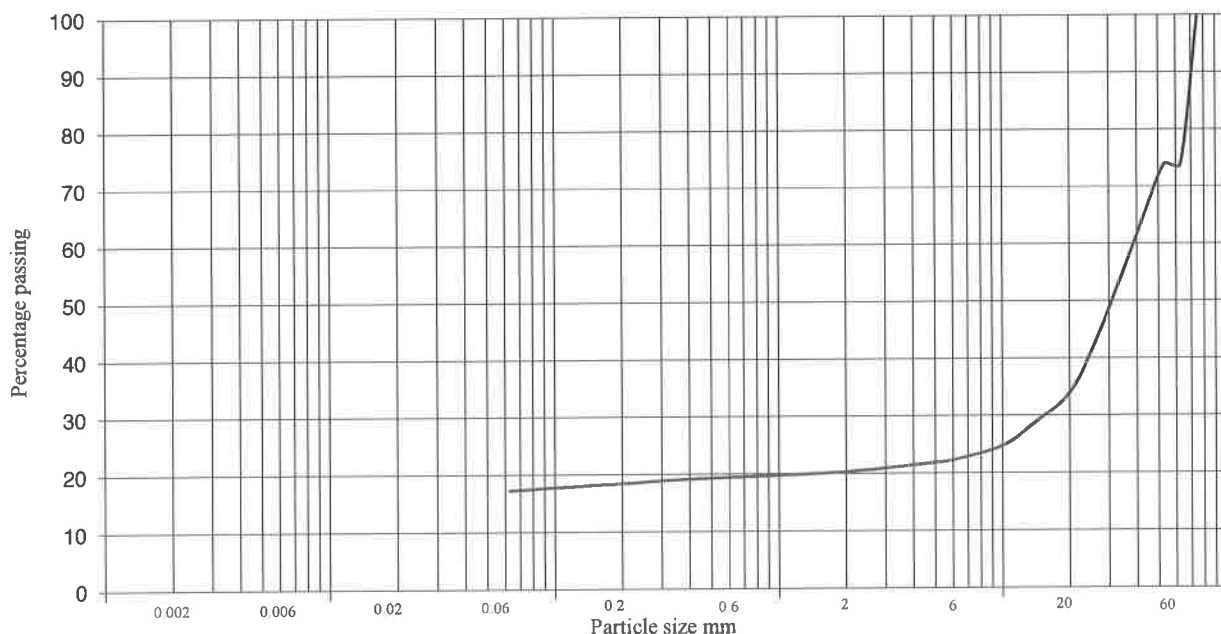
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm	73.86		
50mm			
37.5mm			
26.5mm	43.56		
20mm	33.93		
14mm	28.80		
10mm	24.74		
6.3mm	22.46		
5mm	21.87		
3.5mm	21.12		
2mm	20.30		
1.18mm	19.84		
600µm	19.39		
425µm	19.17		
300µm	18.87		
212µm	18.43		
150µm	18.15		
63µm	17.24		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 9

Sample Depth: 0.50m

Sample Description:

Hydrometer No.:

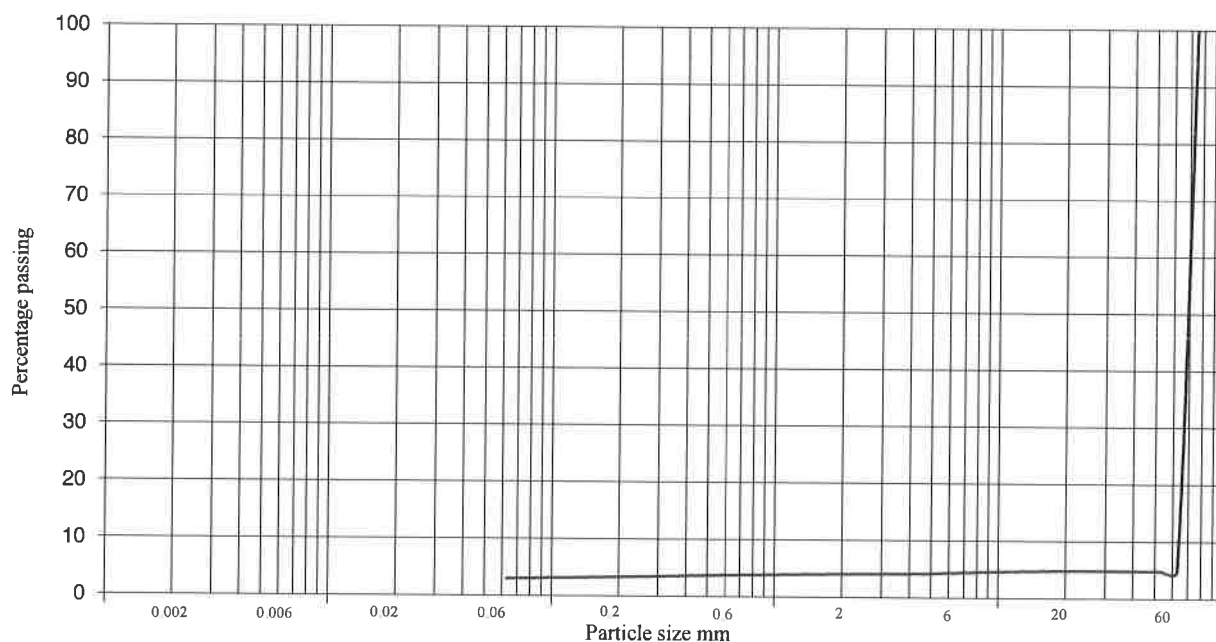
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	70.96		
63mm	4.88		
50mm			
37.5mm			
26.5mm			
20mm			
14mm			
10mm	4.63		
6.3mm	4.41		
5mm	4.27		
3.5mm	4.17		
2mm	4.09		
1.18mm	3.96		
600µm	3.78		
425µm	3.66		
300µm	3.53		
212µm	3.38		
150µm	3.27		
63µm	3.01		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

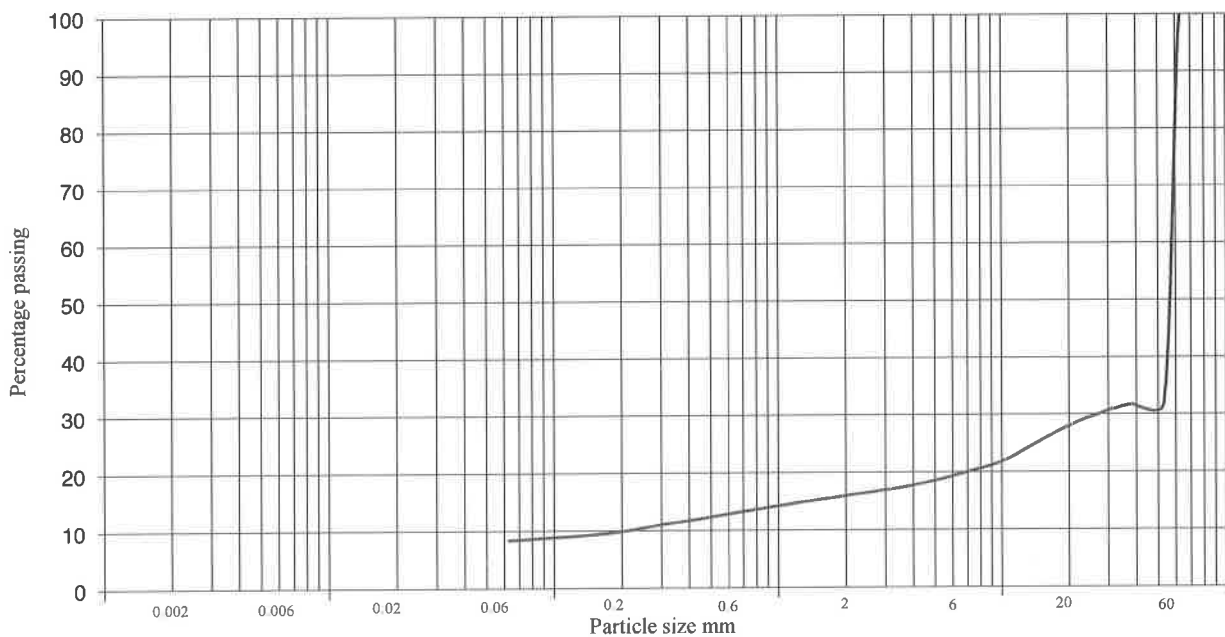
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire Test Location: TP 14 Sample Depth: 1.40m Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g):		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
		75mm			
		63mm			
		50mm	31.80		
		37.5mm			
		26.5mm			
		20mm	28.01		
		14mm	24.88		
		10mm	21.82		
		6.3mm	19.56		
		5mm	18.54		
		3.5mm	17.21		
		2mm	15.95		
		1.18mm	14.67		
		600µm	12.83		
		425µm	11.85		
		300µm	11.00		
		212µm	10.00		
		150µm	9.34		
		63µm	8.36		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 15

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

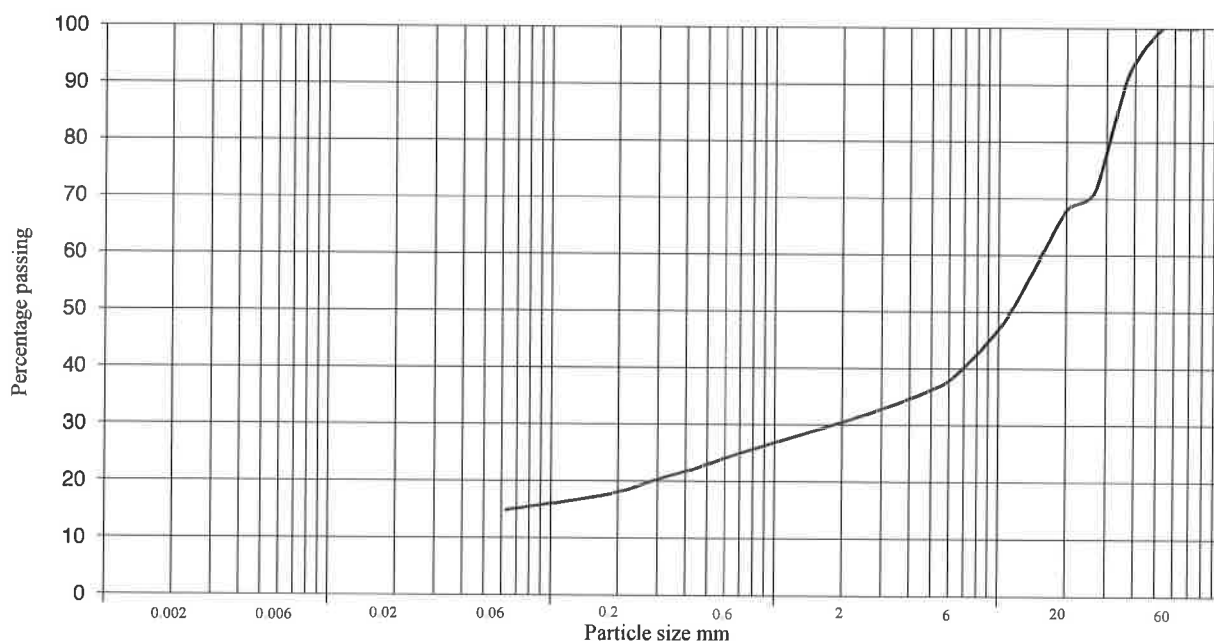
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	91.76		
26.5mm	71.23		
20mm	67.96		
14mm	56.80		
10mm	46.92		
6.3mm	38.58		
5mm	36.30		
3.5mm	33.56		
2mm	30.53		
1.18mm	27.81		
600µm	24.13		
425µm	22.07		
300µm	20.35		
212µm	18.37		
150µm	17.16		
63µm	14.86		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

West Waddy ADP LLP
Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 16

Sample Depth: 1.00m

Sample Description:

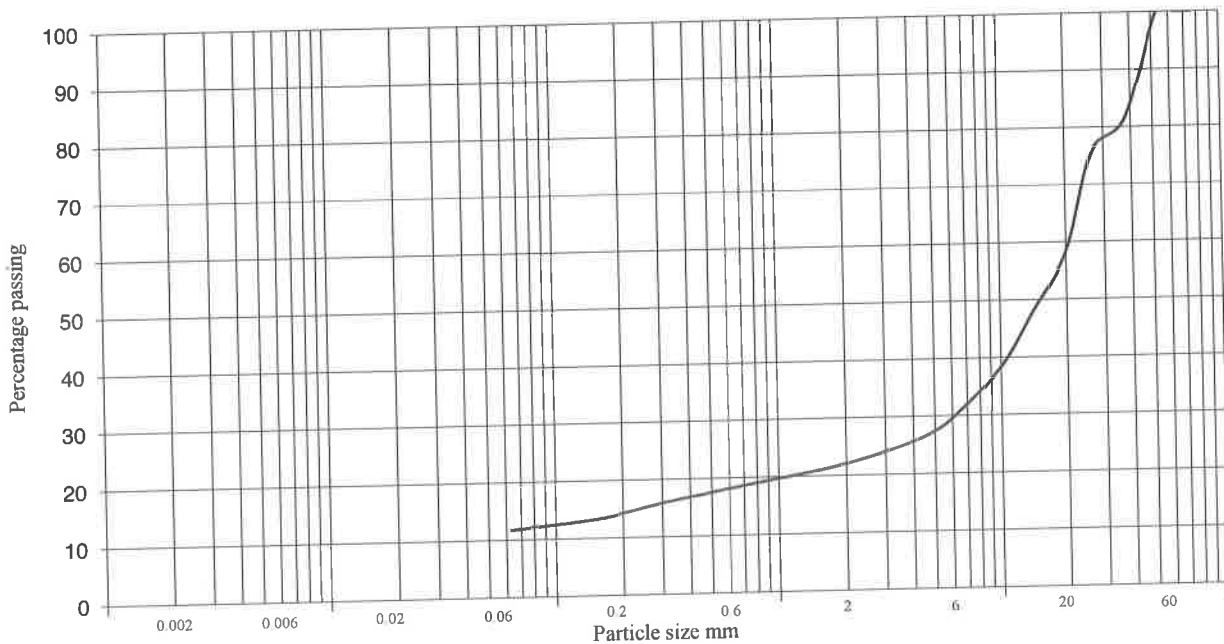
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	81.33		
26.5mm	75.75		
20mm	58.47		
14mm	47.80		
10mm	38.41		
6.3mm	30.40		
5mm	27.45		
3.5mm	24.68		
2mm	22.15		
1.18mm	20.26		
600µm	18.21		
425µm	17.04		
300µm	15.96		
212µm	14.57		
150µm	13.42		
63µm	11.84		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 17

Sample Depth: 0.50m

Sample Description:

Hydrometer No.:

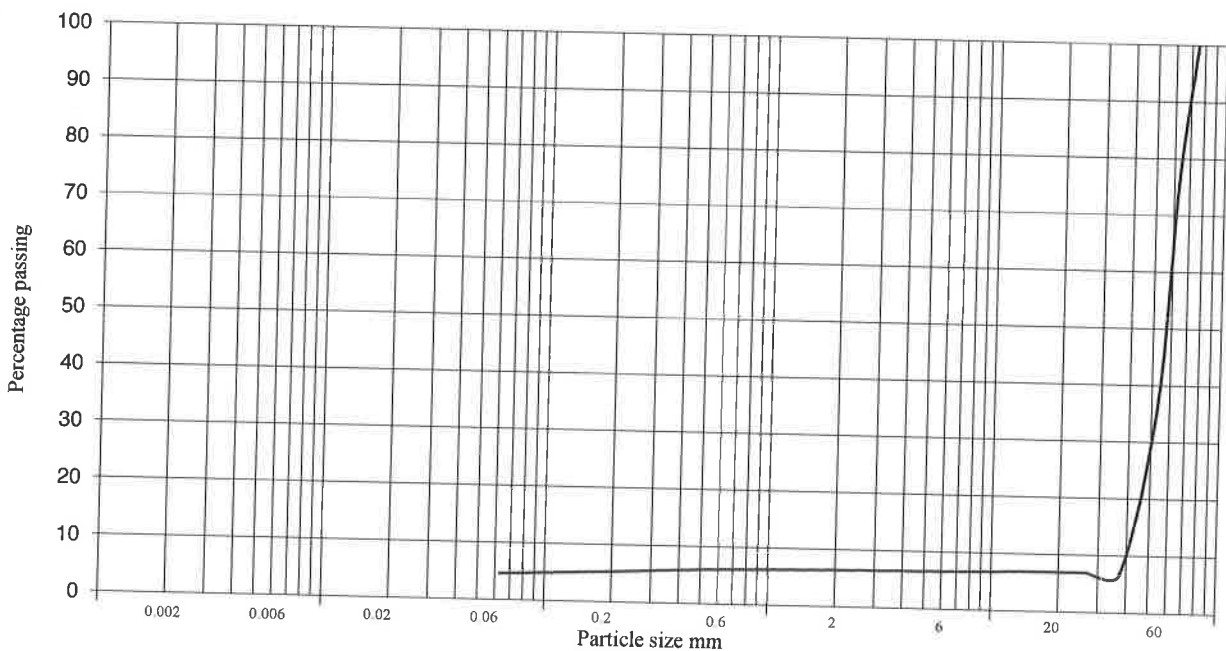
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm	75.58		
50mm	36.08		
37.5mm	6.89		
26.5mm			
20mm			
14mm			
10mm			
6.3mm	6.59		
5mm	6.53		
3.5mm	6.48		
2mm	6.39		
1.18mm	6.25		
600µm	6.03		
425µm	5.83		
300µm	5.60		
212µm	5.32		
150µm	5.12		
63µm	4.57		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

West Waddy ADP LLP
Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 18

Sample Depth: 1.00m

Sample Description:

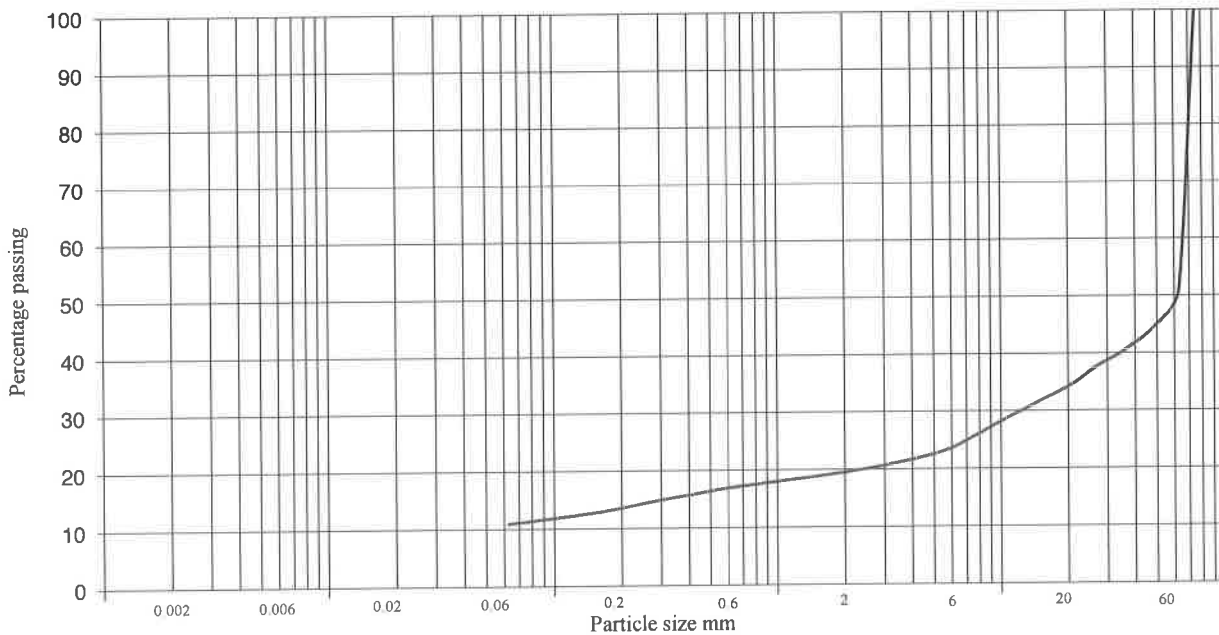
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	51.16		
63mm			
50mm			
37.5mm	40.96		
26.5mm			
20mm	34.23		
14mm	31.14		
10mm	28.22		
6.3mm	24.03		
5mm	22.61		
3.5mm	21.04		
2mm	19.54		
1.18mm	18.33		
600µm	16.92		
425µm	15.89		
300µm	14.90		
212µm	13.75		
150µm	12.73		
63µm	10.91		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured ISO 9001

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 20

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

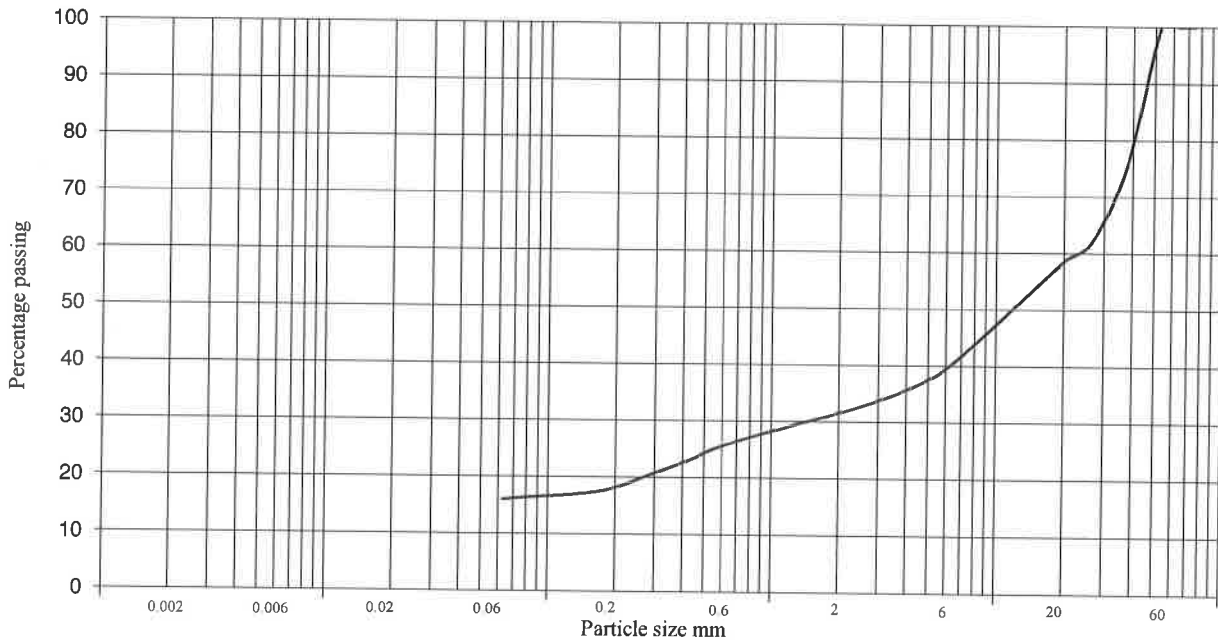
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	75.26		
26.5mm	62.14		
20mm	58.56		
14mm	52.90		
10mm	47.29		
6.3mm	40.17		
5mm	37.57		
3.5mm	34.51		
2mm	31.60		
1.18mm	29.09		
600µm	25.60		
425µm	23.05		
300µm	20.80		
212µm	18.53		
150µm	17.28		
63µm	16.02		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

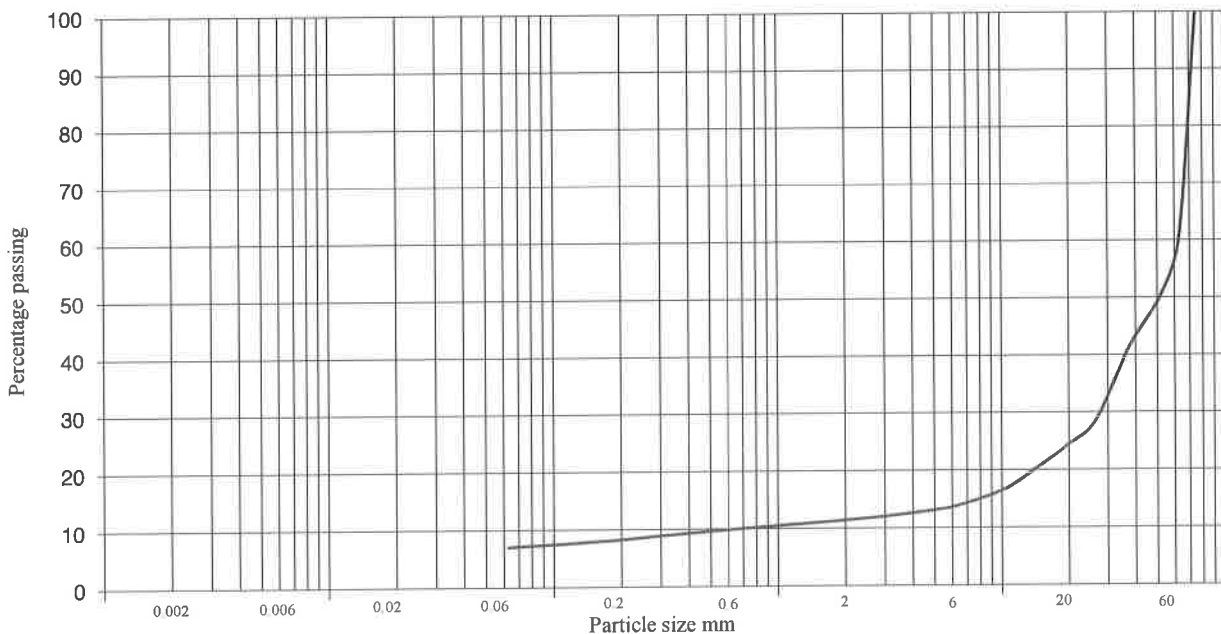
West Waddy ADP LLP		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
Site:	Land to the East of Woodstock, Oxfordshire	75mm	60.77		
		63mm			
Test Location:	TP 22	50mm			
		37.5mm	41.41		
Sample Depth:	0.50m	26.5mm	28.65		
		20mm	24.49		
Sample Description:		14mm	20.09		
		10mm	16.45		
		6.3mm	13.81		
		5mm	13.09		
		3.5mm	12.25		
		2mm	11.41		
		1.18mm	10.70		
		600µm	9.84		
		425µm	9.35		
		300µm	8.85		
		212µm	8.30		
		150µm	7.88		
		63µm	7.01		

Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 24

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

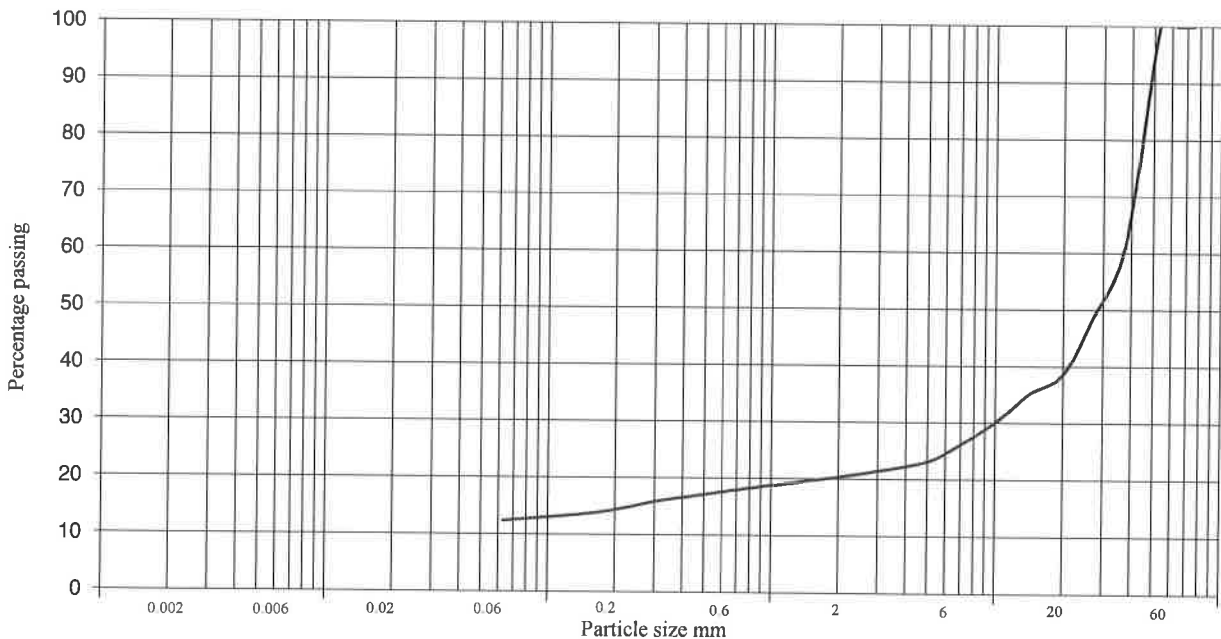
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	61.24		
26.5mm	47.92		
20mm	38.64		
14mm	35.13		
10mm	30.11		
6.3mm	25.12		
5mm	23.14		
3.5mm	21.78		
2mm	20.34		
1.18mm	19.20		
600µm	17.59		
425µm	16.71		
300µm	15.84		
212µm	14.54		
150µm	13.65		
63µm	12.36		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 25

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

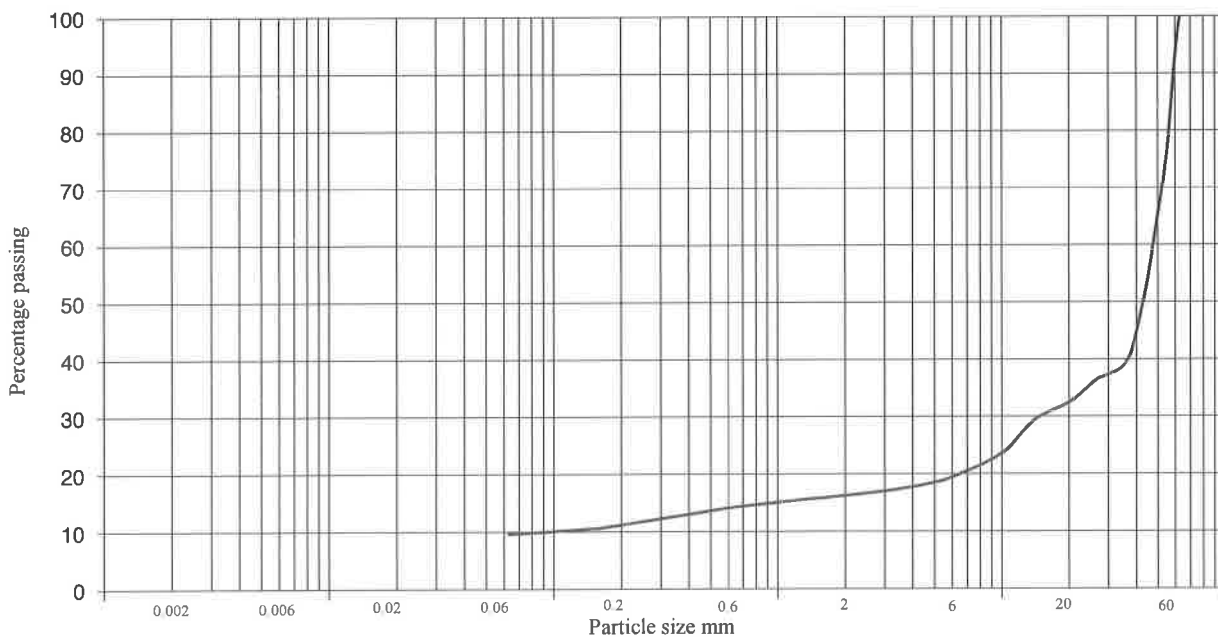
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm	71.78		
37.5mm	40.89		
26.5mm	36.49		
20mm	32.48		
14mm	29.43		
10mm	23.62		
6.3mm	19.81		
5mm	18.56		
3.5mm	17.31		
2mm	16.26		
1.18mm	15.40		
600µm	14.14		
425µm	13.17		
300µm	12.28		
212µm	11.36		
150µm	10.58		
63µm	9.65		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 26

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

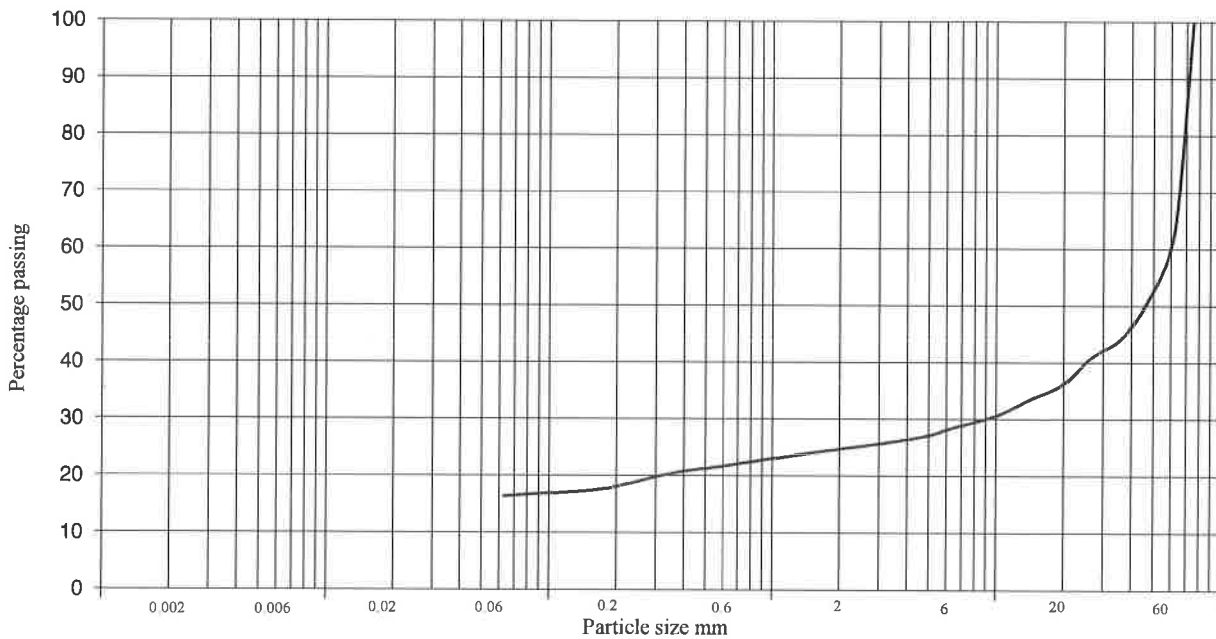
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm	64.39		
50mm			
37.5mm	45.00		
26.5mm	40.89		
20mm	36.30		
14mm	33.51		
10mm	30.63		
6.3mm	28.44		
5mm	27.16		
3.5mm	25.96		
2mm	24.75		
1.18mm	23.51		
600µm	21.69		
425µm	20.93		
300µm	19.81		
212µm	18.29		
150µm	17.47		
63µm	16.38		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

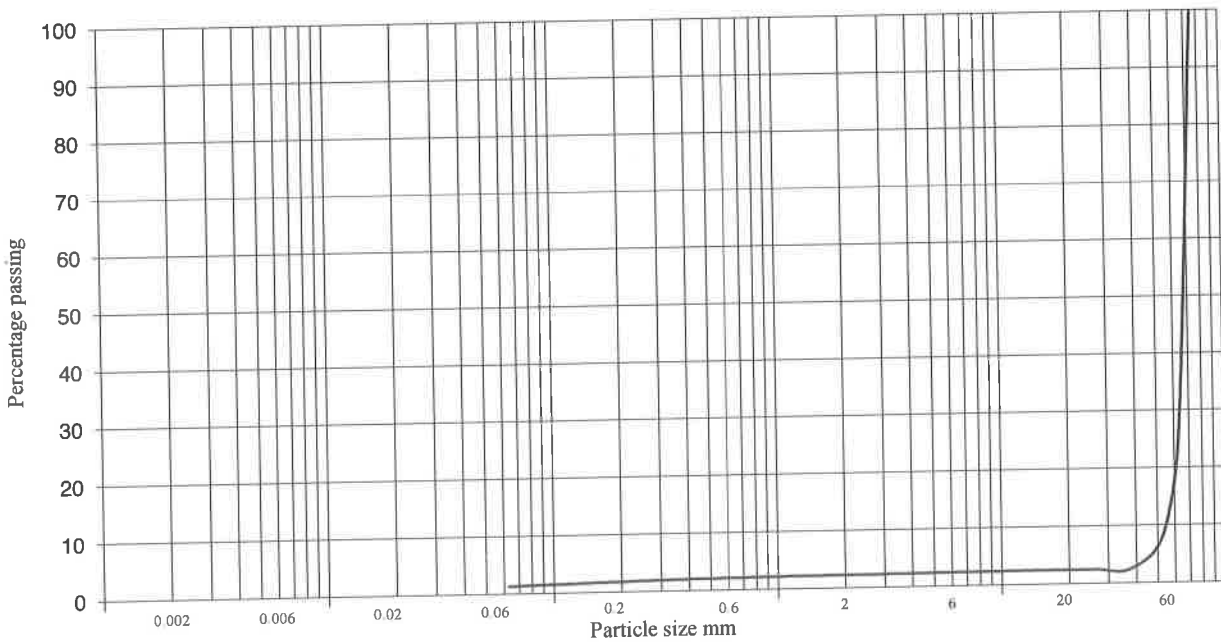
Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured ISO 9001

West Waddy ADP LLP Site: Land to the East of Woodstock, Oxfordshire		Test Method: BS 1377 : Part 2 : 1990 : 9.2			
		BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
Test Location:	TP 27	75mm			
Sample Depth:	1.00m	63mm	25.85		
Sample Description: Hydrometer No.: SG Gs: Water Visc. (N): Dry Mass of Soil after pretreatment (g):		50mm	8.29		
		37.5mm	2.45		
		26.5mm			
		20mm			
		14mm			
		10mm			
		6.3mm	2.37		
		5mm	2.36		
		3.5mm	2.31		
		2mm	2.28		
		1.18mm	2.20		
		600µm	2.10		
		425µm	2.02		
		300µm	1.93		
		212µm	1.81		
	150µm	1.69			
	63µm	1.32			



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 28

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

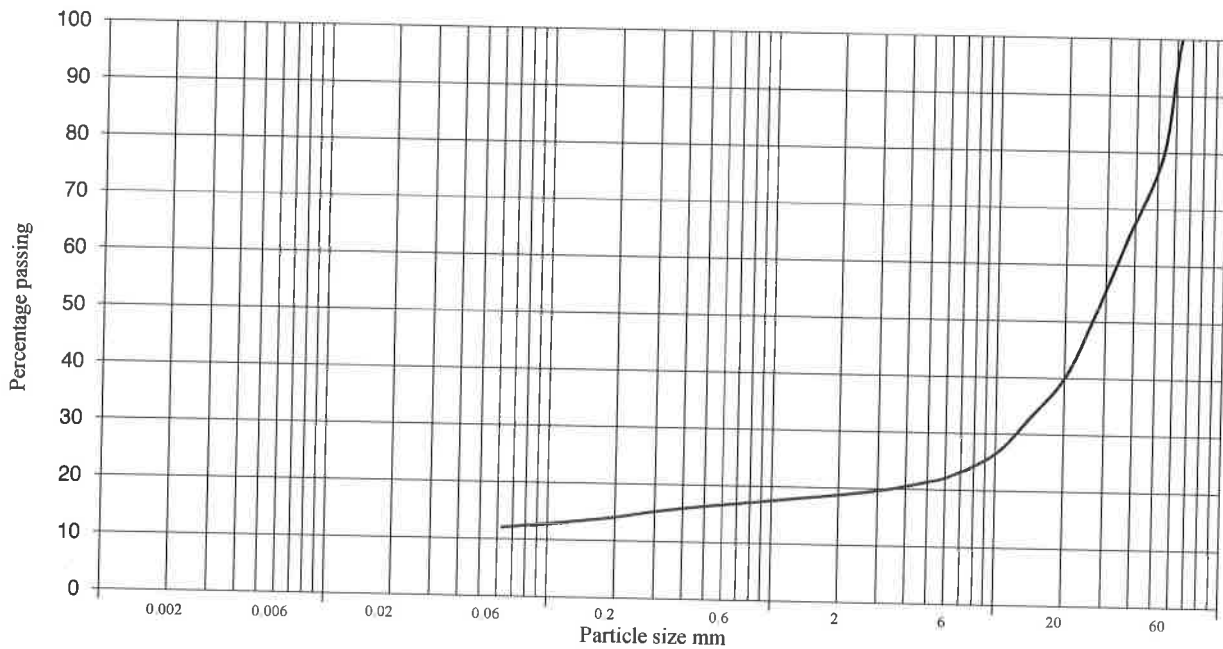
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm	79.64		
37.5mm			
26.5mm	50.34		
20mm	39.97		
14mm	32.72		
10mm	26.52		
6.3mm	22.45		
5mm	21.37		
3.5mm	19.97		
2mm	18.77		
1.18mm	17.83		
600µm	16.65		
425µm	15.99		
300µm	15.22		
212µm	14.27		
150µm	13.52		
63µm	12.02		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 29

Sample Depth: 1.20m

Sample Description:

Hydrometer No.:

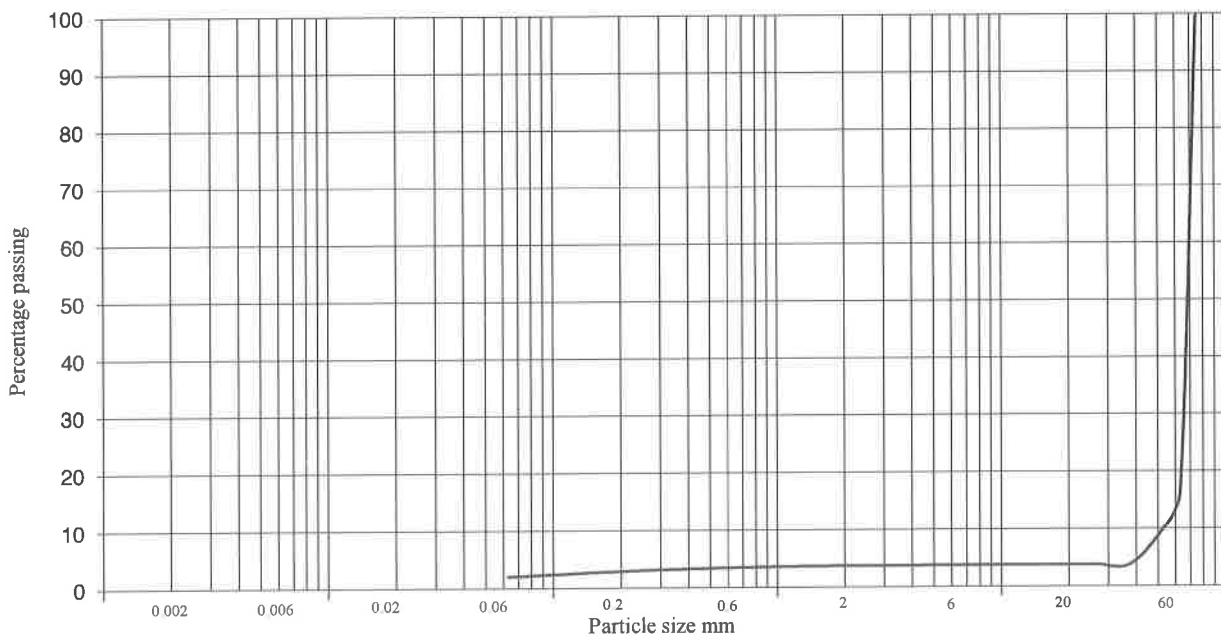
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	52.79		
63mm	16.39		
50mm			
37.5mm	3.78		
26.5mm			
20mm			
14mm			
10mm			
6.3mm	3.75		
5mm	3.74		
3.5mm	3.72		
2mm	3.69		
1.18mm	3.62		
600µm	3.44		
425µm	3.30		
300µm	3.12		
212µm	2.89		
150µm	2.70		
63µm	2.02		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 30

Sample Depth: 0.50m

Sample Description:

Hydrometer No.:

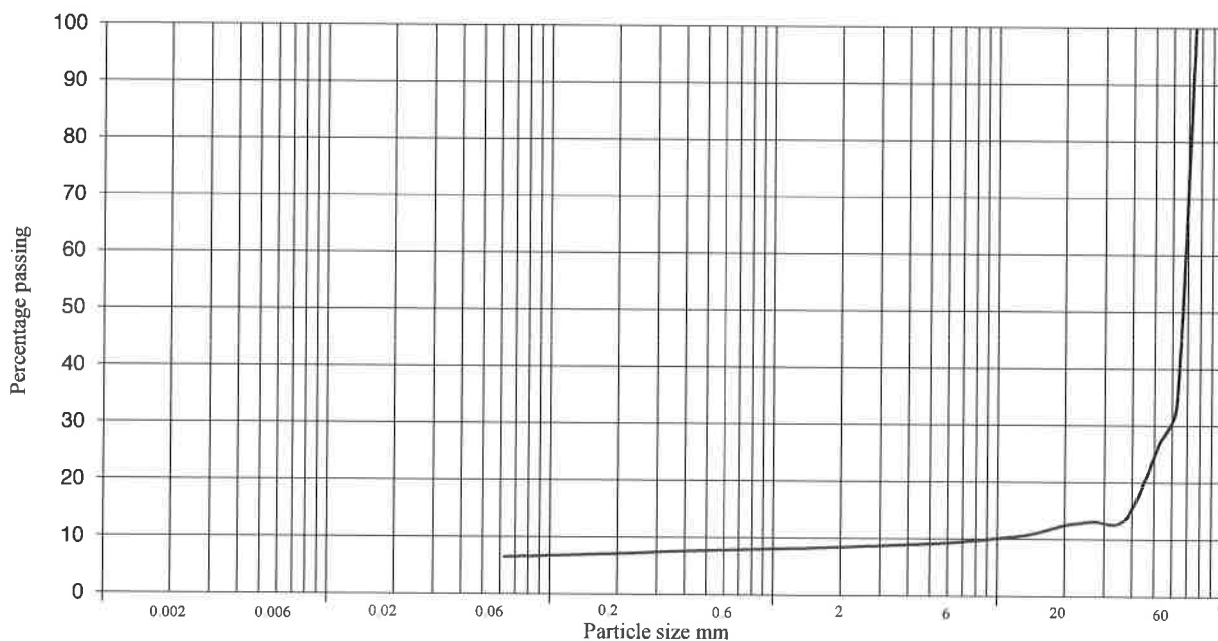
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm	40.62		
63mm			
50mm	27.10		
37.5mm	13.74		
26.5mm			
20mm	12.46		
14mm	10.84		
10mm	10.12		
6.3mm	9.35		
5mm	9.12		
3.5mm	8.82		
2mm	8.46		
1.18mm	8.16		
600µm	7.83		
425µm	7.65		
300µm	7.42		
212µm	7.15		
150µm	6.95		
63µm	6.47		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 31

Sample Depth: 0.50m

Sample Description:

Hydrometer No.:

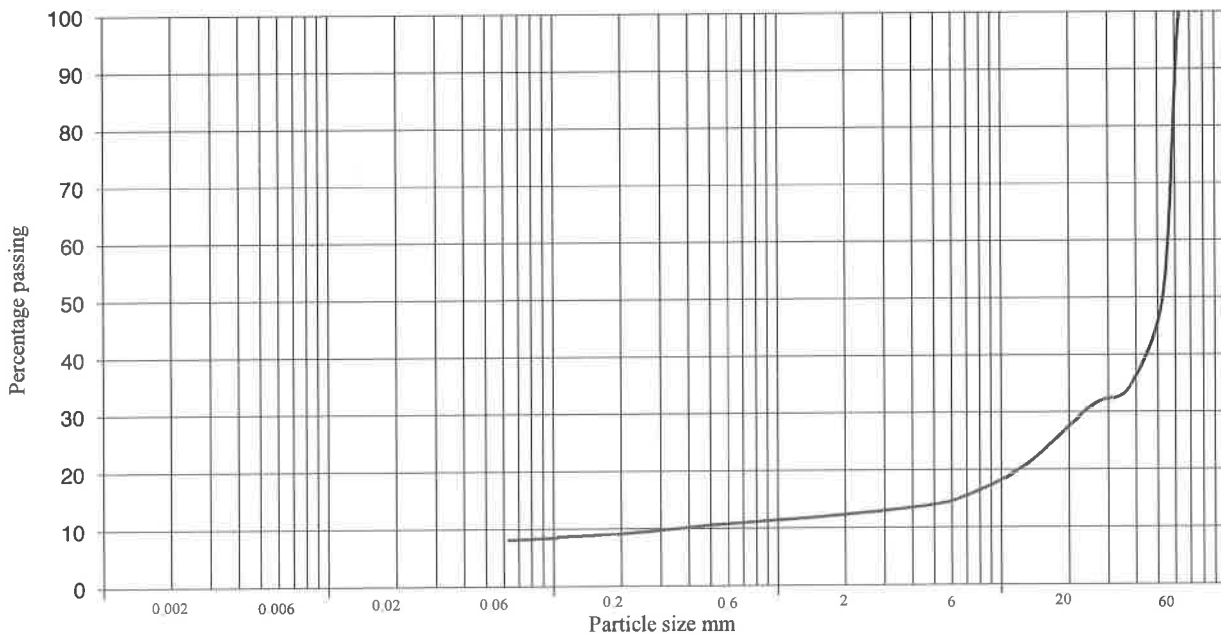
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm	50.73		
37.5mm	34.57		
26.5mm	31.74		
20mm	27.63		
14mm	22.11		
10mm	18.25		
6.3mm	14.87		
5mm	14.01		
3.5mm	13.19		
2mm	12.32		
1.18mm	11.61		
600µm	10.82		
425µm	10.33		
300µm	9.74		
212µm	9.22		
150µm	8.79		
63µm	8.11		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

Quality Assured
ISO 9001

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 32

Sample Depth: 0.50m

Sample Description:

Hydrometer No.:

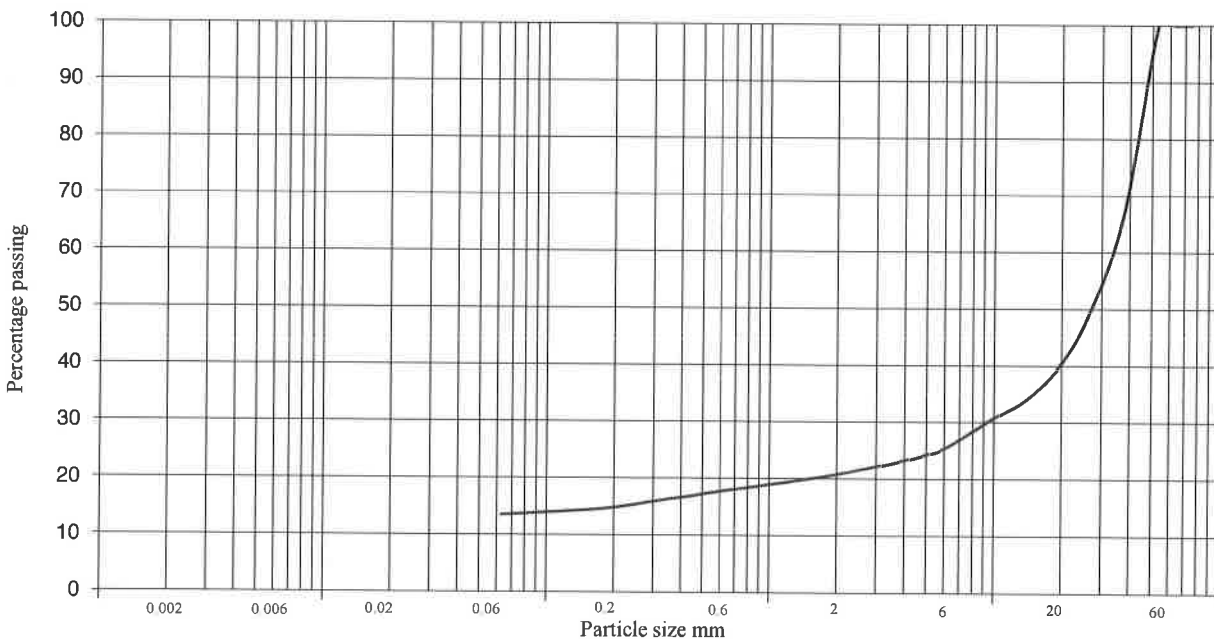
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm	66.58		
26.5mm	49.30		
20mm	40.53		
14mm	34.27		
10mm	30.85		
6.3mm	25.88		
5mm	24.33		
3.5mm	22.64		
2mm	20.83		
1.18mm	19.37		
600µm	17.75		
425µm	16.79		
300µm	15.95		
212µm	14.97		
150µm	14.38		
63µm	13.52		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

Test Method: BS 1377 : Part 2 : 1990 : 9.2

West Waddy ADP LLP
Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 33

Sample Depth: 1.00m

Sample Description:

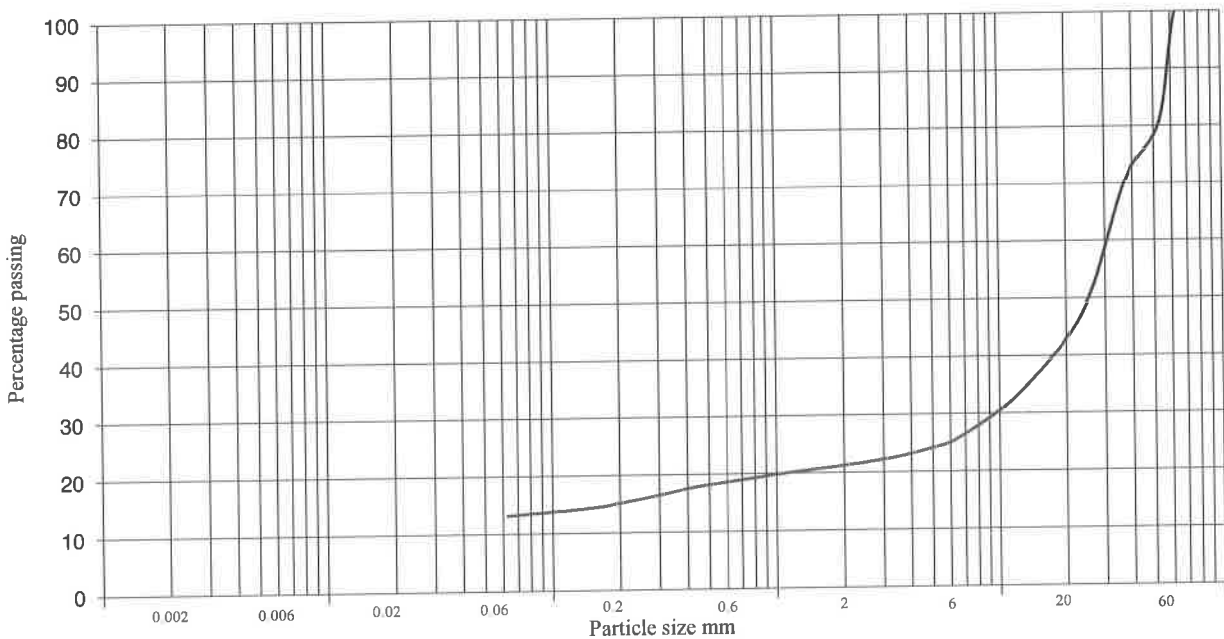
Hydrometer No.:

SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm	80.66		
37.5mm	71.03		
26.5mm	52.08		
20mm	42.94		
14mm	35.89		
10mm	30.54		
6.3mm	25.49		
5mm	24.18		
3.5mm	22.56		
2mm	21.26		
1.18mm	20.19		
600µm	18.62		
425µm	17.76		
300µm	16.47		
212µm	15.35		
150µm	14.38		
63µm	13.16		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 34

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

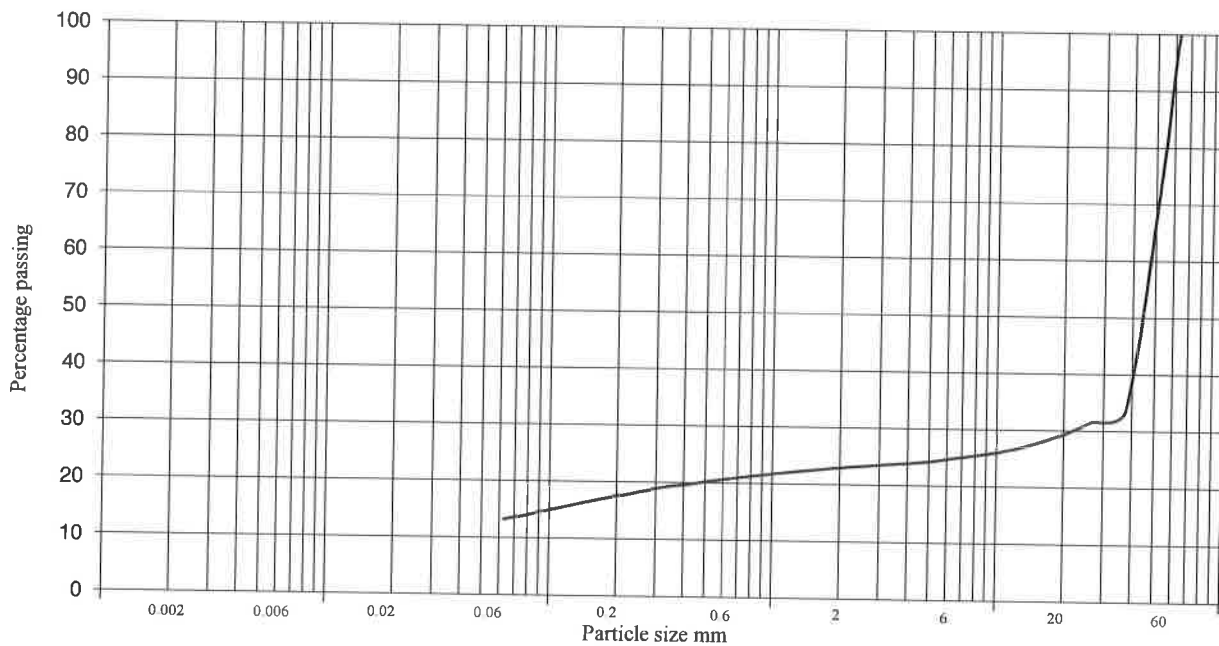
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm	74.65		
37.5mm	33.63		
26.5mm			
20mm	29.33		
14mm	27.32		
10mm	25.98		
6.3mm	24.82		
5mm	24.24		
3.5mm	23.67		
2mm	22.95		
1.18mm	22.03		
600µm	20.64		
425µm	19.74		
300µm	18.94		
212µm	17.76		
150µm	16.60		
63µm	13.20		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality
Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 35

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

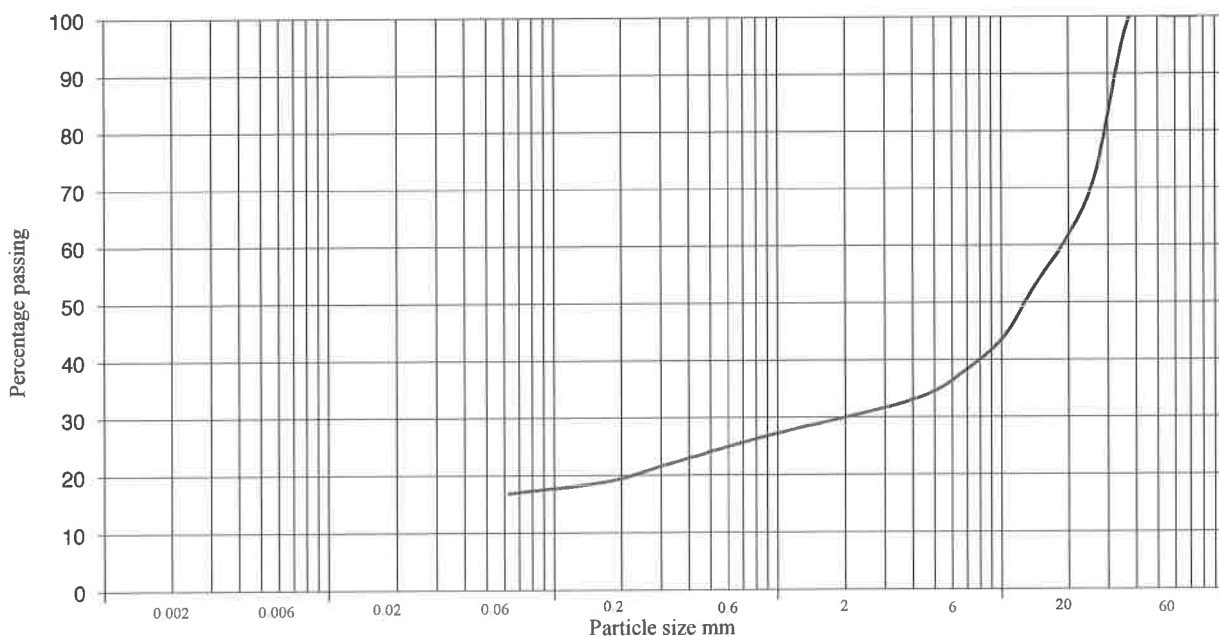
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm			
50mm			
37.5mm			
26.5mm	73.00		
20mm	61.87		
14mm	52.95		
10mm	43.54		
6.3mm	37.07		
5mm	34.58		
3.5mm	32.20		
2mm	30.00		
1.18mm	27.97		
600µm	24.99		
425µm	23.27		
300µm	21.63		
212µm	19.70		
150µm	18.56		
63µm	16.87		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a

GroundTech Laboratories

Geotechnical Testing Facility

Slapton Hill Barn, Blakesley Road, Slapton, Towcester, Northants. NN12 8QD

Telephone:- 01327 860947/860060

Fax:- 01327 860430

Email: groundtech@listersgeotechnics.co.uk

**Quality Assured
ISO 9001**

West Waddy ADP LLP

Site: Land to the East of Woodstock, Oxfordshire

Test Location: TP 36

Sample Depth: 1.00m

Sample Description:

Hydrometer No.:

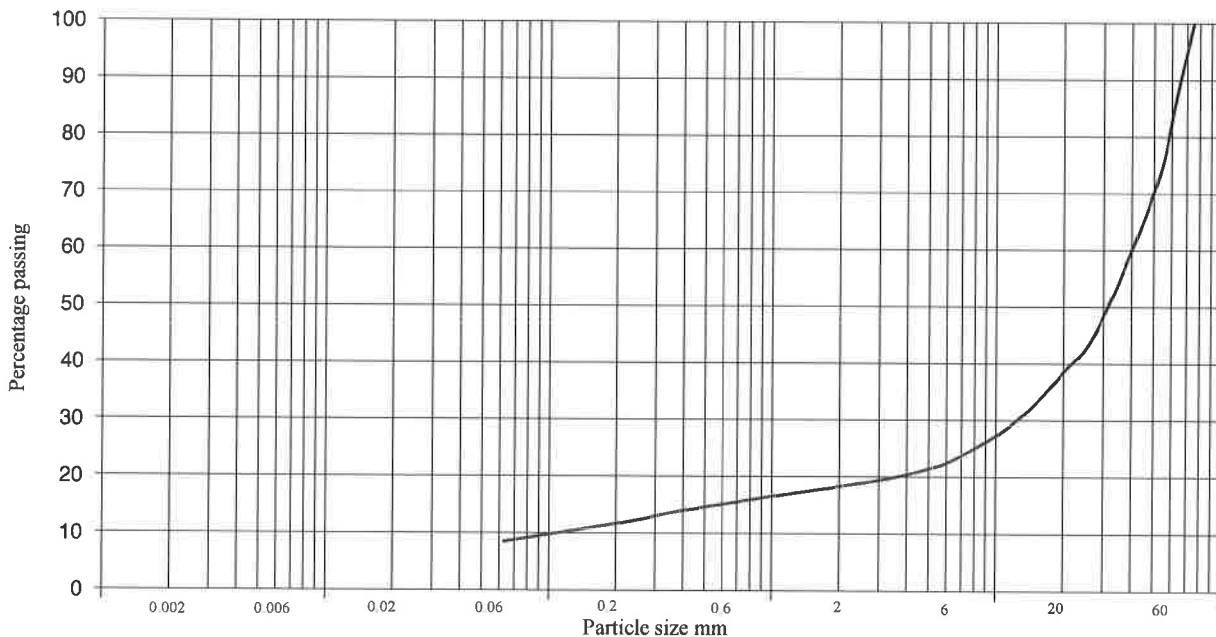
SG Gs:

Water Visc. (N):

Dry Mass of Soil after pretreatment (g):

Test Method: BS 1377 : Part 2 : 1990 : 9.2

BS test sieve	Cumulative Passing - %	Hydrometer Particle Diameter	Cumulative Passing - %
75mm			
63mm	86.86		
50mm	73.34		
37.5mm	57.33		
26.5mm	44.27		
20mm	38.58		
14mm	32.01		
10mm	27.33		
6.3mm	22.89		
5mm	21.47		
3.5mm	19.78		
2mm	18.36		
1.18mm	17.03		
600µm	15.14		
425µm	14.22		
300µm	13.06		
212µm	11.87		
150µm	10.91		
63µm	8.52		



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES
	SILT			SAND			GRAVEL			

PARTICLE SIZE DISTRIBUTION

Project Ref
14.08.005a