

TEST REPORT:		DETERMINATION OF THE PARTICLE SIZE DISTRIBUTION OF SOIL MATERIALS	
		BS 1377 : Part 2 : 1990 : clause 9.2 : Wet Sieving	
REPORT NUMBER:	F14-146115-133191-1a	CLIENT:	S W Attwood and Partners
SAMPLE NUMBER:	133191/1	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REFERENCE:	samp1	SITE:	Reservoir Site, Southleas
DATE RECEIVED:	02.05.2014	SUPPLIER:	Details Not Supplie
DATE SAMPLED	29.04.2014	MATERIAL :	Brown CLAY
SAMPLED BY:	Client	CLASSIFICATION:	Class 2A wet cohesive material
DATE TESTED	02-09.05.2014	LOCATION:	Isle of Sheppey
TESTED BY:	KK/MG	PREPARATION METHOD:	BS 1377:Part 1:1990 clause 7.3 & 7.4.5
ORIENTATION OF TEST SPECIMEN		VARIATIONS:	No variations
WITHIN ORIGINAL SPECIMEN:	N/A	TYPE OF SAMPLE:	Disturbed

RESULT:

BS TEST SIEVE	PERCENTAGE PASSING	SPECIFICATION FOR HIGHWAY WORKS	
		GRADING SPECIFICATION LIMITS	
mm	%		
125	100	100	100
100	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5.0	100		
3.35	100		
2.00	100	80	100
1.18	100		
0.600	100		
0.425	99		
0.300	99		
0.212	99		
0.150	99		
0.063	98	15	100

REMARKS: Amended test report. This test report supersedes test report number F14-146115-133191-1
The material tested complies with the grading specification requirements stated above .

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
Report Format: L/Rep S6a/9
Northdown House, Ashford Road
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Kent ME17 1QW

For and on behalf of CET



Approved Signatory
15-May-14

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TEST REPORT : DETERMINATION OF THE MOISTURE CONTENT OF SOIL MATERIAL
BS 1377:Part 2:1990 clause 3.2 - oven drying method

REPORT No.:	F14-146115-133191-2a	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133191/2	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REF:	samp1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	29.04.2014	SUPPLIER:	Details Not Supplied
SAMPLED BY:	Client	MATERIAL:	Brown CLAY
DATE RECEIVED:	02.05.2014	LOCATION:	Isle of Sheppey
DATE TESTED:	02-06.05.2014	ACCEPT STD.:	Contract Specification
TESTED BY:	KK/NR	PREPARATION METHOD:	BS1377:Part1:1990 clauses 7.3 and 7.4.5
TYPE OF SAMPLE:	Disturbed	VARIATIONS:	None

ORIENTATION OF TEST SPECIMEN WITHIN
ORIGINAL SAMPLE : N/A

RESULTS:

SPECIFICATION REQUIREMENTS			
		Lower Limit	Upper Limit
		(%)	(%)
MATERIAL MOISTURE CONTENT:	29 %	N/A	N/A

REMARKS: Amended test report. This test report supersedes test report number F14-146115-133191-2
Specification details not available

Remaining sample will be retained for a
minimum of 28 days from date of report.

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Report format : L/Rep S2 / rev.8

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TEST REPORT : DETERMINATION OF THE PLASTICITY INDEX OF SOIL
BS 1377:Part 2:1990 clause 5.4

REPORT No.:	F14-146115-133191-3a	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133191/3	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REF:	samp1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	29.04.2014	SUPPLIER:	Details Not Supplied
SAMPLED BY:	Client	MATERIAL:	Brown CLAY
DATE RECEIVED:	02.05.2014	LOCATION:	Isle of Sheppey
DATE TESTED:	09-13.05.2014	ACCEPT STD:	Contract Specification
TESTED BY:	JM	PREPARATION METHOD:	BS 1377:Part 1:1990
TYPE OF SAMPLE:	Disturbed	VARIATIONS:	No Variations

ORIENTATION OF TEST SPECIMEN WITHIN ORIGINAL SAMPLE: N/A

RESULT:

TEST DETAILS	TEST RESULT	SPECIFICATION DETAILS		
		Lower Limits		Upper Limits
THE LIQUID LIMIT OF THE SAMPLE: BS 1377: Part 2: 1990 clause 4.4 (1 point)	70%	N/A	-	N/A
THE PLASTIC LIMIT OF THE SAMPLE: To BS1377 : Part2 : 1990 cl 5.3	19%	N/A	-	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	51			
The Percentage Passing 425µm Test Sieve :	99			
Sample History :	The material was tested after washing through a 425µm test sieve			

REMARKS: Amended test report. This test report supersedes test report number F14-146115-133191-3
Specification details not applicable.

Remaining sample will be retained for a minimum of 28 days from date of report.

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REPORT FORMAT: L/Rep S3S4/rev.6

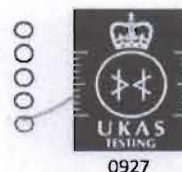
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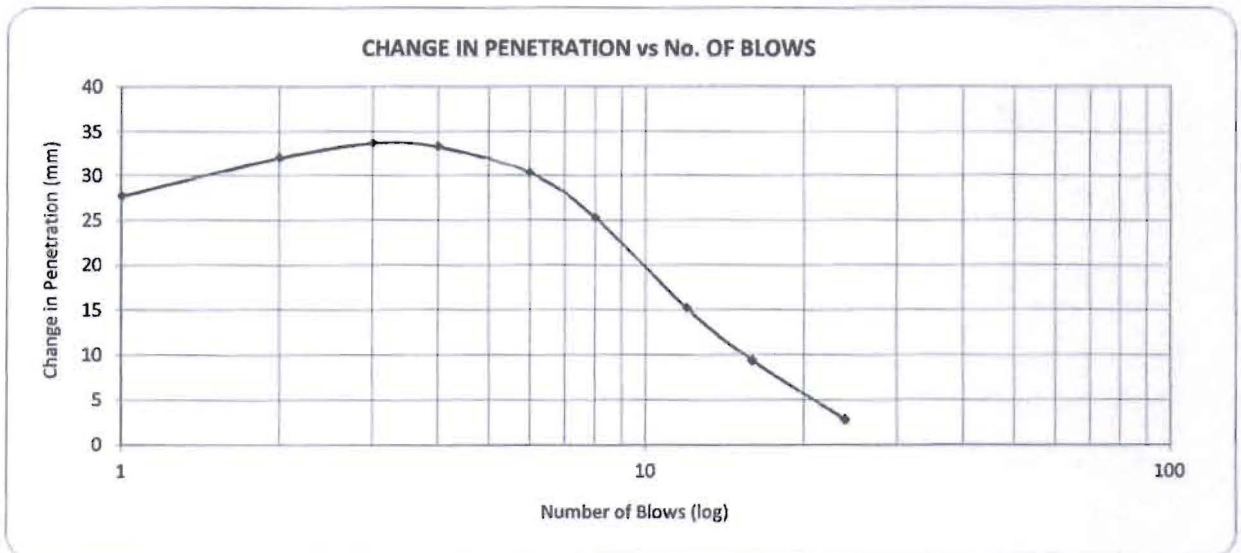
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TEST REPORT: DETERMINATION OF MOISTURE CONDITION VALUE (M.C.V.)
BS 1377 Part 4 : 1990 Clause 5.4 - Natural Moisture Content (Lab Test)

REPORT No.:	F14-146115-133191-4a	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133191/4	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REF:	samp	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	29.04.2014	SUPPLIER:	Details Not Supplied
SAMPLED BY:	Client	MATERIAL:	Brown CLAY
DATE RECEIVED:	02.05.2014	CUT LOCATION:	N/A
DATE TESTED:	10-13.05.2014	FILL LOCATION:	Isle of Sheppey
TESTED BY:	CD	CERTIFICATE OF SAMPLING:	No
ORIENTATION OF TEST SPECIMEN		VARIATIONS FROM STANDARD:	None
WITHIN ORIGINAL SAMPLE:	N/A	TYPE OF SAMPLE:	Disturbed

RESULTS:

MOISTURE CONDITION VALUE	:	13.2
NATURAL MOISTURE CONTENT (%)	:	24
PERCENTAGE RETAINED 20mm (%)	:	0.0
INTERPRETATION OF CURVE	:	Steepest straight line
PREPARATION METHOD	:	BS 1377: Part 4: 1990 clause 5.4 (Natural and sieved through 20mm test sieve)

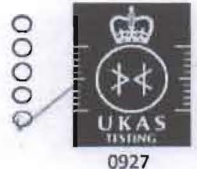


REMARKS: Amended test report. This test report supersedes test report number F14-146115-133191-4

For and on behalf of CET

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Remaining sample will be retained for a minimum of 28 days from date of report.

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TYPE OF TEST: DETERMINATION OF COEFFICIENT OF PERMEABILITY UNDER CONSTANT HEAD CONDITIONS
IN A TRIAXIAL CELL: BS 1377: Part 6: 1990 Clause 6

REPORT No.:	F14-146115-133191-5	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133191/5	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REF:	samp1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	29.04.2014	SUPPLIER:	Details Not Supplied
SAMPLED BY:	Client	MATERIAL:	Brown/orange clay
DATE RECEIVED:	02.05.2014	LOCATION:	Isle of Sheppey
DATE TESTED:	06-20.05.2014	ACCEPT STD:	Contract Specification
TESTED BY:	CLT	ORIENTATION OF TEST SPECIMEN	
TYPE OF SAMPLE:	Undisturbed	WITHIN ORIGINAL SPECIMEN:	N/A

RESULT:

Lab Reference	133191/5	
Client Reference	samp1	
	<u>Initial</u>	<u>Final</u>
Diameter (mm)	101	N/A
Height (mm)	99	N/A
Bulk Density (Mg/m ³)	1.894	2.059
Moisture Content (%)	32.2	33
Dry Density (Mg/m ³)	1.433	1.548

Saturation Stage: Performed in accordance with Clause 5.4.3

Initial pore pressure coefficient, B:	0.3
Final pore pressure coefficient, B:	0.98
Duration of stage	7 days

Consolidation Stage:

Effective pressure	100 kPa
Duration of state	3 days

Permeability stage

Pressure difference across specimen:	20 kPa
Mean effective stress	90 kPa
Duration of stage	2 days
Coefficient of Permeability (Kv) at 20°C	2.5 X 10 ⁻¹⁰ m/s

REMARKS:

Bulk sample will be kept for a minimum
28 days from date of test.

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Report Format: L/Rep UDSS/rev.1

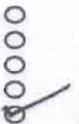
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TYPE OF TEST:		DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION	
		BS 1377 : Part 7 : 1990	
REPORT No.:	F14-146115-133191-6	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133191/6	ADDRESS:	Newhook Farm, Lower Road, Eastchurch, Kent
CLIENT REF:	samp1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	29.04.2014	SUPPLIER:	Details Not Supplied
SAMPLED BY:	Client	MATERIAL:	Brown/orange CLAY
DATE RECEIVED:	02.05.2014	LOCATION:	Isle of Sheppey
DATE TESTED:	06-16.05.2014	ACCEPT STD:	Contract Specification
TESTED BY:	CLT	ORIENTATION OF TEST SPECIMEN	
TYPE OF SAMPLE:	Disturbed	WITHIN ORIGINAL SPECIMEN:	N/A

RESULT:

SPECIMEN LENGTH (mm)	203
SPECIMEN DIAMETER (mm)	100
MOISTURE CONTENT (%)	30.0
BULK DENSITY (Mg/m³)	1.796
DRY DENSITY (Mg/m³)	1.382
RATE OF STRAIN (%/min)	1.5
LATEX MEMBRANE THICKNESS (mm)	0.6
MEMBRANE CORRECTION (kPa)	2.2
CELL PRESSURE (kPa)	200
MAXIMUM DEVIATION STRESS (kPa)	211
STRAIN AT FAILURE (%)	20
SHEAR STRENGTH (Cu): kPa	105
MODE OF FAILURE:	Plastic Failure (Barrelling)

REMARKS:

Bulk sample will be kept for a minimum 28 days from date of test.

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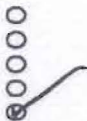
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Approved Signatory
 16-May-14

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TEST REPORT:	DETERMINATION OF THE PARTICLE SIZE DISTRIBUTION OF SOIL MATERIALS		
	BS 1377 : Part 2 : 1990 : clause 9.2 : Wet Sieving		
REPORT NUMBER:	F14-146115-133805-1	CLIENT:	S W Attwood and Partners
SAMPLE NUMBER:	133805/1	ADDRESS:	Newhook Farm,Lower Road, Eastchurch, Kent
CLIENT REFERENCE:	Wallend	SITE:	Reservoir Site, Southleas
DATE RECEIVED:	15.05.2014	SUPPLIER:	Site Won
DATE SAMPLED	15.05.2014	MATERIAL :	Brown Clay
SAMPLED BY:	Client	CLASSIFICATION:	Class 2A wet cohesive material
DATE TESTED	16-19.05.2014	LOCATION:	Reservoir Site
TESTED BY:	Michael Gray	PREPARATION METHOD:	BS 1377:Part 1:1990 clause 7.3 & 7.4.5
ORIENTATION OF TEST SPECIMEN		VARIATIONS:	No variations
WITHIN ORIGINAL SPECIMEN:	N/A	TYPE OF SAMPLE:	Disturbed

RESULT:		SPECIFICATION FOR HIGHWAY WORKS		
		GRADING SPECIFICATION LIMITS		
BS TEST SIEVE	PERCENTAGE PASSING			
mm	%			
125	100	100	-	100
100	100			
90	100			
75	100			
63	100			
50	100			
37.5	100			
28	100			
20	100			
14	100			
10	100			
6.3	100			
5.0	100			
3.35	100			
2.00	99	80	-	100
1.18	99			
0.600	99			
0.425	99			
0.300	99			
0.212	99			
0.150	99			
0.063	99	15	-	100

REMARKS:


The material tested complies with the grading specification requirements stated above .

For and on behalf of CET

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1


Report Format: L/Rep S6a/9



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02-Jun-14

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TEST REPORT :

DETERMINATION OF THE MOISTURE CONTENT OF SOIL MATERIAL
BS 1377:Part 2:1990 clause 3.2 - oven drying method

REPORT No.:

F14-146115-133805-2

CLIENT:

S W Attwood and Partners

SAMPLE No.:

133805/2

ADDRESS:

Newhook Farm,Lower Road, Eastchurch, Kent

CLIENT REF:

Wallend

SITE:

Reservoir Site, Southleas

DATE SAMPLED:

15/05/2014

SUPPLIER:

Site Won

SAMPLED BY:

Client

MATERIAL:

Brown Clay

DATE RECEIVED:

15/05/2014

LOCATION:

Reservoir Site

DATE TESTED:

15/05/2014

ACCEPT STD.:

Contract Specification

TESTED BY:

Keith Kellow

PREPARATION METHOD:

BS1377:Part1:1990 clauses 7.3 and 7.4.5

TYPE OF SAMPLE:

?

VARIATIONS:

None

ORIENTATION OF TEST SPECIMEN WITHIN

ORIGINAL SAMPLE : N/A

RESULTS:

SPECIFICATION REQUIREMENTS			
		Lower Limit	Upper Limit
		(%)	(%)
MATERIAL MOISTURE CONTENT:	35 %	N/A	N/A

REMARKS:
Specification details not available

For and on behalf of CET

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
Report format : L/Rep S2 / rev.8



Approved Signatory
31-May-14

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TEST REPORT : DETERMINATION OF THE PLASTICITY INDEX OF SOIL
BS 1377:Part 2:1990 clause 5.4

REPORT No.:	F14-146115-133805-3	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133805/3	ADDRESS:	Newhook Farm,Lower Road, Eastchurch, Kent
CLIENT REF:	Wallend	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	15.05.2014	SUPPLIER:	Site Won
SAMPLED BY:	Client	MATERIAL:	Brown Clay
DATE RECEIVED:	15.05.2014	LOCATION:	Reservoir Site
DATE TESTED:	23-24.05.2014	ACCEPT STD:	Contract Specification
TESTED BY:	JMG	PREPARATION METHOD:	BS 1377:Part 1:1990
TYPE OF SAMPLE:	Disturbed	VARIATIONS:	No Variations

ORIENTATION OF TEST SPECIMEN WITHIN ORIGINAL SAMPLE: N/A

RESULT:

TEST DETAILS	TEST RESULT	SPECIFICATION DETAILS		
		Lower Limits		Upper Limits
THE LIQUID LIMIT OF THE SAMPLE: BS 1377: Part 2: 1990 clause 4.4 (1 point)	78%	N/A	-	N/A
THE PLASTIC LIMIT OF THE SAMPLE: To BS1377 : Part2 : 1990 cl 5.3	24%	N/A	-	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	54			
The Percentage Passing 425µm Test Sieve :	99			
Sample History :	The material was tested after washing through a 425µm test sieve			

REMARKS:
Specification details not applicable.

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
REPORT FORMAT: L/Rep S3S4/rev.6

For and on behalf of CET



Approved Signatory
02-Jun-14

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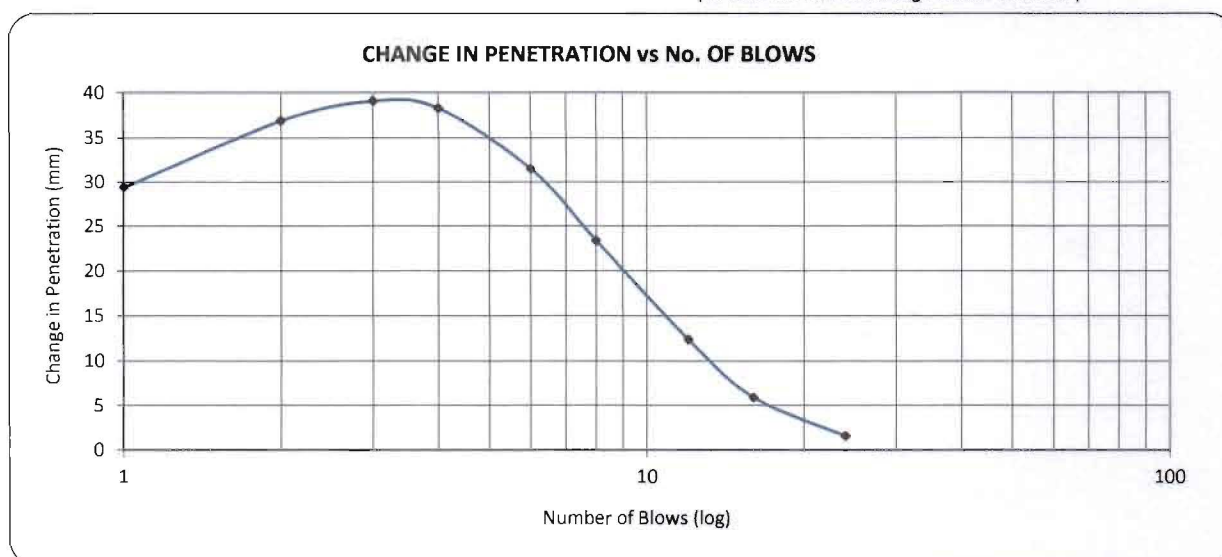


TEST REPORT: DETERMINATION OF MOISTURE CONDITION VALUE (M.C.V.)
BS 1377 Part 4 : 1990 Clause 5.4 - Natural Moisture Content (Lab Test)

REPORT No.:	F14-146115-133805-4	CLIENT:	S W Attwood and Partners
SAMPLE No.:	133805/4	ADDRESS:	Newhook Farm,Lower Road, Eastchurch, Kent
CLIENT REF:	Wallend	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	15.05.2014	SUPPLIER:	Site Won
SAMPLED BY:	Client	MATERIAL:	Brown Clay
DATE RECEIVED:	15.05.2014	CUT LOCATION:	N/A
DATE TESTED:	16-19.05.2014	FILL LOCATION:	Reservoir Site
TESTED BY:	Simon Rowe-Leete	CERTIFICATE OF SAMPLING:	No
ORIENTATION OF TEST SPECIMEN		VARIATIONS FROM STANDARD:	None
WITHIN ORIGINAL SAMPLE:	N/A	TYPE OF SAMPLE:	Disturbed

RESULTS:

MOISTURE CONDITION VALUE	:	13.1
NATURAL MOISTURE CONTENT (%)	:	39
PERCENTAGE RETAINED 20mm (%)	:	4.3
INTERPRETATION OF CURVE	:	Steepest straight line
PREPARATION METHOD	:	BS 1377: Part 4: 1990 clause 5.4 (Natural and sieved through 20mm test sieve)



REMARKS:

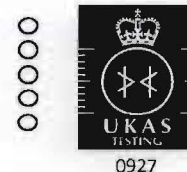
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Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
Report Format: L/Rep S10a rev.3

Approved Signatory
31-May-14

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Nick Ring - Principal Technician



TEST REPORT : DETERMINATION OF THE MOISTURE CONTENT OF SOIL MATERIAL
BS 1377:Part 2:1990 clause 3.2 - oven drying method

REPORT No.:	F13-146115-128464-1	CLIENT:	S W Attwood and Partners
SAMPLE No.:	128464/1	ADDRESS:	Parsonage Farm,Bredgar, Kent
CLIENT REF:	NHSS1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	20/11/2013	SUPPLIER:	Insitu
SAMPLED BY:	Client	MATERIAL:	Clay
DATE RECEIVED:	21/11/2013	LOCATION:	Reservoir Site
DATE TESTED:	22-23.11.13	ACCEPT STD.:	Contract Specification
TESTED BY:	KJ	PREPARATION METHOD:	BS1377:Part1:1990 clauses 7.3 and 7.4.5
TYPE OF SAMPLE:	Disturbed	VARIATIONS:	None

ORIENTATION OF TEST SPECIMEN WITHIN
ORIGINAL SAMPLE : N/A

RESULTS:

SPECIFICATION REQUIREMENTS			
		Lower Limit	Upper Limit
		(%)	(%)
MATERIAL MOISTURE CONTENT:	34 %	N/A	N/A

REMARKS:
Specification details not available

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
Report format : L/Rep S2 / rev.8

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TEST REPORT : DETERMINATION OF THE PLASTICITY INDEX OF SOIL
BS 1377:Part 2:1990 clause 5.4

REPORT No.:	F13-146115-128464-2	CLIENT:	S W Attwood and Partners
SAMPLE No.:	128464/2	ADDRESS:	Parsonage Farm, Bredgar, Kent
CLIENT REF:	NHSS1	SITE:	Reservoir Site, Southleas
DATE SAMPLED:	20/11/2013	SUPPLIER:	Insitu
SAMPLED BY:	Client	MATERIAL:	Clay
DATE RECEIVED:	21/11/2013	LOCATION:	Reservoir Site
DATE TESTED:	22-29.11.13	ACCEPT STD:	Contract Specification
TESTED BY:	KJ/NR	PREPARATION METHOD:	BS 1377:Part 1:1990
TYPE OF SAMPLE:	Disturbed	VARIATIONS:	No Variations

ORIENTATION OF TEST SPECIMEN WITHIN ORIGINAL SAMPLE: N/A

RESULT:

TEST DETAILS	TEST RESULT	SPECIFICATION DETAILS	
		Lower Limits	Upper Limits
THE LIQUID LIMIT OF THE SAMPLE: BS 1377: Part 2: 1990 clause 4.4 (1 point)	63%	N/A	- N/A
THE PLASTIC LIMIT OF THE SAMPLE: To BS1377 : Part2 : 1990 cl 5.3	23%	N/A	- N/A
THE PLASTICITY INDEX OF THE SAMPLE:	40		
The Percentage Passing 425µm Test Sieve :	99		
Sample History :	The material was tested after washing through a 425µm test sieve		

REMARKS:

Specification details not applicable.

Remaining sample will be retained for a minimum of 28 days from date of report.

Page 1 of 1
REPORT FORMAT: L/Rep 53S4/rev.6

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TEST REPORT :

TESTED BY: NC

TYPE OF SAMPLE: Disturbed

RESULT:

Total Organic Carbon	%	<1.0	3.0	5.0	6.0
Loss on Ignition	%	5.2	-	-	10.0
BTEX (Sum)	mg/kg	<0.3	6.00	-	-
PCB's (7 Congeners)	mg/kg	<0.03	1.00	-	-
Mineral Oil >C ₁₀ to C ₄₀)	mg/kg	<16.1	500	-	-
PAH	mg/kg	<1.7	100	-	-
pH	-	7.7	-	>6	-

REMARKS:

04-Dec-13

○ ○ ○ ○ ○

TEST REPORT : CHEMICAL ANALYSIS TEST REPORT

REPORT No.:	F13-146115-128464-3b	CLIENT:	S W Attwood and Partners
SAMPLE No.:	128464/3	ADDRESS:	Parsonage Farm, Bredgar, Kent
CLIENT REF:	NHSS1		
DATE SAMPLED:	20/11/2013	SITE:	Reservoir Site, Southleas
SAMPLED BY:	Client	SUPPLIER:	Insitu
DATE RECEIVED	21/11/2013	MATERIAL:	Clay
DATE TESTED:	22.11-04.12.13	LOCATION:	Reservoir Site
TESTED BY:	NC	TYPE OF SAMPLE:	Disturbed

RESULT: WASTE ACCEPTANCE CRITERIA - ELUATE ANALYSIS

2 : 1 Eluate		
pH	units	7.7
Electrical Conductivity	µS/cm	3070

8 : 1 Eluate		
pH	units	7.3
Electrical Conductivity	µS/cm	1724

REMARKS:

For and on behalf of CET



Approved Signatory
04-Dec-13

Jon Champion - National Operations Manager
John Newbery - Laboratory Manager
Matt Oliver- Site Manager
Adrian McGilvery - Senior Technician
Nick Ring - Principal Technician

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Page 1 of 1

Report Format: L/Rep ICRCL / rev.1

Northdown House, Ashford Road
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Registered in England No. 02527130



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Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Sawflies

Scientific Analysis Laboratories Ltd
Certificate of Analysis

3 Crittall Drive
Springwood Industrial
Estate
Braintree
Essex
CM7 2RT
Tel : 01376 560120
Fax : 01376 552923

Report Number: 407115-1

Date of Report: 22-Jul-2014

Customer: CET Infrastructure
Northdown House
Harrietsham Maidstone Kent
ME17 1QW

Customer Contact: Ms Tracy Laing

Customer Job Reference: 146850(135521)

Customer Purchase Order: 576642/K2

Customer Site Reference: S W Attwood + Partners

Date Job Received at SAL: 08-Jul-2014

Date Analysis Started: 09-Jul-2014

Date Analysis Completed: 22-Jul-2014

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22



Report checked
and authorised by :
Miss Claire Brown
Customer Service Manager

Issued by :
Miss Claire Brown
Customer Service Manager

C. Brown

SAL Reference: 407115					
Project Site: S W Attwood + Partners					
Customer Reference: 146850(135521)					
Soil					
Analysed as Soil					
Soil Suite					
SAL Reference			407115 001		
Customer Sample Reference			South Lees Reservoir - 135521		
Supplier			Site Won		
Date Sampled			07-JUL-2014		
Sample Description			Light grey/ brown clay		
Determinand	Method	Test Sample	LOD	Units	
Arsenic	T257	A40	2.0	mg/kg	9.7
Boron (water-soluble)	T82	A40	1	mg/kg	<1
Cadmium	T257	A40	0.1	mg/kg	<0.1
Chromium	T245	A40	0.5	mg/kg	43
Copper	T245	A40	1.0	mg/kg	28
Lead	T257	A40	0.5	mg/kg	20
Mercury	T245	A40	1.0	mg/kg	<1.0
Nickel	T257	A40	0.5	mg/kg	41
Selenium	T257	A40	3	mg/kg	<3
Zinc	T257	A40	0.5	mg/kg	85
Asbestos ID	T27	A40			Asbestos not detected
Chromium VI	T6	A40	1	mg/kg	<1
pH	T7	A40			7.9

Index to symbols used in 407115-1

Value	Description
A40	Assisted dried < 40C
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Notes

Where an asbestos result of none detected is reported, this is obtained from analysis of a representative sub sample.

Method Index

Value	Description
T27	PLM
T257	ICP/OES (SIM) (Aqua Regia Extraction)
T245	ICP/OES(Aqua Regia Extraction)
T7	Probe
T6	ICP/OES
T82	ICP/OES (Sim)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Arsenic	T257	A40	2.0	mg/kg	U	001
Boron (water-soluble)	T82	A40	1	mg/kg	N	001
Cadmium	T257	A40	0.1	mg/kg	U	001
Chromium	T245	A40	0.5	mg/kg	U	001
Copper	T245	A40	1.0	mg/kg	U	001
Lead	T257	A40	0.5	mg/kg	U	001
Mercury	T245	A40	1.0	mg/kg	U	001
Nickel	T257	A40	0.5	mg/kg	U	001
Selenium	T257	A40	3	mg/kg	U	001
Zinc	T257	A40	0.5	mg/kg	U	001
Asbestos ID	T27	A40			SU	001
Chromium VI	T6	A40	1	mg/kg	N	001
pH	T7	A40			U	001