



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Raygate,
Nr Hoveham, West Sussex BN12 4SP

WTN

06028

DATE

29/10

TIME ON SITE

TIME OFF SITE

DUTY OF CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 6 DIGIT EWC)

☐ Soil & Stones
170504

☐ Mixed Construction & Demo Waste
170904

☐ Concrete
170301

☐ Other

☐ Hardcore
170307

☐ Description of waste:

☐ Bituminous mixture (tarmac)
170302

☐ CL:AIRE

SUB
SOIL EWC

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☒ LOOSE 14000m³

☐ GRAB LOOSE _____ m³

☐ SKIP _____ YDS

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE _____

OTHER WORK

☒ COLLECT ☐ WAIT & LOAD

☐ DAY WORK

☐ DELIVER ☐ EXCHANGE

☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME

THREKHAM HOMES
CRANLEIGH

SITE ADDRESS

BY SIGNING SECTION B I CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY

PRINT NAME

SIGNATURE

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME

SIGNATURE

VEHICLE REG

RES. CARRIER NO. C8DU27297

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

THREKHAM HOMES
LITTLEHAMPTON

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER

TIME

Customers ordering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 20 minutes of loading/unloading.



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Witlands Lane, Faygate,
Nr Horsham, West Sussex RH12 4SP

17

WTN

06027

DATE

29/20

TIME ON SITE

TIME OFF SITE

DUTY OF CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 6 DIGIT EWC)

- ☐ Spoil & Stones
170504
- ☐ Concrete
170901
- ☐ Hardcore
170107
- ☐ Bituminous mixture (tarmac)
170302

- ☐ Mixed Construction & Demo Waste
170904
- ☐ Other
- ☐ Description of waste:
- ☐ CL/AIRE:

Soil EWC
Soil

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☒ LOOSE 11000 m³

☐ GRAB LOOSE _____ m³

☐ SKIP _____ YDS

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE

- ☐ COLLECT ☐ WAIT & LOAD
- ☐ DELIVER ☐ EXCHANGE

OTHER WORK

- ☐ DAY WORK
- ☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME

Thatcham Homes

SITE ADDRESS

CRANBURY

BY SIGNING SECTION B: CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY

PRINT NAME

SIGNATURE

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME

SEAN

SIGNATURE

VEHICLE REG

BELL 102

REG. CARRIER NO. CB0U227297

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

Thatcham Homes
LITTLEHAMPTON

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER

29/20

TIME

Customers ordering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 20 minutes of loading/unloading.



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Paygate,
Nr Horsham, West Sussex RH12 4EP

WTN

05278

DATE

3

9

20

TIME ON SITE

15

29

TIME OFF SITE

DUTY OF CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 6 DIGIT EWC)

☐ Soil & Stones
170504

☐ Concrete
170101

☐ Hardcore
170102

☐ Bituminous mixture (tarmac)
170302

☐ Mixed Construction & Demo Waste
170504

☒ Other *x 1 Load Sub Soil*

☐ Description of waste:

☐ CL:AIRE

EWC

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☐ LOOSE _____ m³

☒ GRAB LOOSE *15* m³

☐ SKIP _____ YDS

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE _____

☐ COLLECT ☐ WAIT & LOAD

☐ DELIVER ☐ EXCHANGE

OTHER WORK

☐ DAY WORK

☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME *Thokeham Homes*

SITE ADDRESS *Elmbridge Rd*

Cranleigh

BY SIGNING SECTION B: CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY

PRINT NAME: _____

SIGNATURE: _____

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME *K. Hester* SIGNATURE _____

VEHICLE REG. *BN1 MUK* REG. CARRIER NO. 0800227397

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

Thokeham Homes
L/Hampton

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER TIME

Customers ordering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 20 minutes of loading/unloading.

**BELL & SONS**

CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Faygate,
Walsingham, Norfolk, NR21 4SD

WTM

05282

DATE

TIME ON SITE

TIME OFF SITE

29/10
13:57
15:35**DUTY OF CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE****SECTION A: DESCRIPTION OF WASTE/MATERIAL**

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 6 DIGIT EWC)

☐ Soil & Stones
170504☐ Concrete
170101☐ Hardcore
170107☐ Bituminous mixture (tarmac)
170302☐ Mixed Construction & Demo Waste
170904☒ Other☐ Description of waste:☐ CLARE

EWC

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☐ LOOSE m³☒ GRAB LOOSE m³☐ SKIP YDS☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE

☐ COLLECT ☐ WAIT & LOAD☐ DELIVER ☐ EXCHANGE

OTHER WORK

☐ DAY WORK☐ HAULAGE TO**SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)**

COMPANY NAME: Thakeham Homes

SITE ADDRESS: Elmbridge Dr

BY SIGNING SECTION B, I CAN CONFIRM THAT I HAVE FULFILLED MY DUTY

PRINT NAME: E. McILKIN SIGNATURE: [Signature]

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME: K. HORTON SIGNATURE: [Signature]

VEHICLE REG: BA11 MVE REG. CARRIER NO. CB0227297

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT: Thakeham Homes

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER: 29/10 TIME: []

Customers entering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 20 minutes of loading/unloading.



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Faygate,

WTN

05281

DATE

3/9/20

TIME ON SITE

17:00

TIME OFF SITE

18:15

DUTY OF CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK) OR STATE OTHER AND ENTER 6 DIGIT EWC

☐ Soil & Stones
170304

☐ Mixed Construction & Demo Waste
170904

☐ Concrete
170101

☒ Other

EWC

☐ Hardcore
170107

☐ Description of waste:

☐ Bituminous mixture (tarmac)
170302

☐ CL:AIRE:

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☐ LOOSE _____ m³

☒ CRAB LOOSE 5 m³

☐ SKIP _____ YDS

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE _____

OTHER WORK

☐ COLLECT ☐ WAIT & LOAD

☐ DAY WORK

☐ DELIVER ☐ EXCHANGE

☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME Tholeham Homes

SITE ADDRESS Elmbridge Rd

Ordnford

BY SIGNING SECTION B, I CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY

PRINT NAME: [Signature]

SIGNATURE: [Signature]

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME K. Hexton

SIGNATURE: [Signature]

VEHICLE REG Bellville

REG. CARRIER NO. C80U227287

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

Tholeham Homes
L/Hampton

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER TIME

Customers ordering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 20 minutes of loading/unloading.



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Faygate,
St Albans, Herts SG8 4JF

WTN

05280

DATE

05/02

TIME ON SITE

0800

TIME OFF SITE

0115

WASTE CARE CONTROLLED WASTE/MATERIAL TRANSFER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 5 DIGIT EWC)

☐ Soil & Stones
170504

☐ Mixed Construction & Demo Waste
170904

☐ Concrete
170101

☒ Other

EWC

☐ Hardcore
170107

☐ Description of waste:

☐ Bituminous mixture (tarmac)
170302

☐ CL:AIRE

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☐ LOOSE _____ m³

☒ GRAB LOOSE 15 m³

☐ SKIP _____ yds

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE _____

OTHER WORK _____

☐ COLLECT ☐ WAIT & LOAD

☐ DAY WORK

☐ DELIVER ☐ EXCHANGE

☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME: Thakeham Homes

SITE ADDRESS: Elmbridge Rd
Ewerley

BY SIGNING SECTION B, I CAN CONFIRM THAT I HAVE FULFILLED MY DUTY

PRINT NAME: [Signature]

SIGNATURE: [Signature]

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME: L. Hextall

SIGNATURE: [Signature]

VEHICLE REG: B611 MKL

REG. CARRIER NO: CBDU237297

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

Thakeham Homes
L/Hampton

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

DATE OF TRANSFER

05/02

TIME

0800

Customers ordering vehicles off the public road do so entirely at their own risk. Warning time will only apply after 25 minutes of loading/unloading.



BELL & SONS
CONSTRUCTION LIMITED

North Grange Farm House, Wimlands Lane, Faygate,
Nr Horsham, West Sussex RH12 4EP

WTN

06185

DATE

31/12/20

TIME ON SITE

14:00

TIME OFF SITE

ER NOTE

SECTION A: DESCRIPTION OF WASTE/MATERIAL

SIC CODE 41201 | 41202

1. DESCRIBE WASTE OR MATERIAL BEING TRANSFERRED (TICK OR STATE OTHER AND ENTER 6 DIGIT EWC)

☐ Soil & Stones
170504

☐ Mixed Construction & Demo Waste
170904

☐ Concrete
170101

☒ Other

Topsoil

EWC

☐ Hardcore
170107

☐ Description of waste:

☐ Bituminous mixture (tarmac)
170302

☐ CL:AIRE:

2. HOW IS THE WASTE/MATERIAL CONTAINED (TICK) AND QUANTITY (WRITE IN QUANTITY)

☐ LOOSE _____ m³

☒ GRAB LOOSE 15 m³

☐ SKIP _____ YDS

☐ OTHER (PLEASE DESCRIBE AND GIVE QUANTITY)

SKIP SIZE

☐ COLLECT ☐ WAIT & LOAD

☐ DELIVER ☐ EXCHANGE

OTHER WORK

☐ DAY WORK

☐ HAULAGE TO

SECTION B: CURRENT HOLDER OF WASTE/MATERIAL (SITE/CUSTOMER/PRODUCER)

COMPANY NAME THALHAM

SITE ADDRESS WILLOW BROOK EMBRIDGE RD

CRAWLEY

BY SIGNING SECTION B: CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY

PRINT NAME:

SIGNATURE:

SECTION C: PERSON COLLECTING THE WASTE/MATERIAL

DRIVER NAME D. MAREN

SIGNATURE:

VEHICLE REG GT4 LPP

REG. CARRIER NO. CBDU227297

SECTION D: THE TRANSFER POINT (DISPOSAL POINT)

NAME AND ADDRESS OF PLACE OF TRANSFER/DISPOSAL POINT

THALHAM CORNFIELD CLOSE

WASTE DISPOSAL/WASTE MANAGEMENT LICENCE NO.

LITTLE HAMPTON

DATE OF TRANSFER

TIME

Customers ordering vehicles off the public road do so entirely at their own risk. Waiting time will apply after 30 minutes of loading/unloading.



Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket

Final Report

Report No.: 21-08971-1
Initial Date of Issue: 26-Mar-2021
Client: Southern Testing Laboratories Ltd
Client Address: Keeble House, Stuart Way
East Grinstead
West Sussex
RH19 4QA
Contact(s): Timon Greenwood
Project: GL6947 North Grange Fm. Wimlands Ln.
Quotation No.: Q20-21432
Order No.: GL6947_1
No. of Samples: 1
Turnaround (Wkdays): 5
Date Approved: 26-Mar-2021

Date Received: 22-Mar-2021
Date Instructed: 22-Mar-2021
Results Due: 26-Mar-2021

Approved By:

Details: Glynn Harvey, Technical Manager

Project: GL6947 North Grange Fm. Wimlands Ln.									
Client: Southern Testing Laboratories Ltd			Chemtest Job No.:		21-08971				
Quotation No.: Q20-21432			Chemtest Sample ID.:		1164088				
			Sample Location:		13828				
			Sample Type:		SOIL				
			Date Sampled:		17-Mar-2021				
			Asbestos Lab:		COVENTRY				
			SOP		Units				
			Accret		LOD				
ACM Type			U	2192	N/A				
Asbestos Identification			U	2192	N/A	No Asbestos Detected			
ACM Detection Stage			U	2192	N/A				
Moisture			N	2030	%	0.020	17		
Soil Colour			N	2040		N/A	Brown		
Other Material			N	2040		N/A	Roots		
Soil Texture			N	2040		N/A	Sand		
pH			M	2010		4.0	7.1		
Sulphate (2:1 Water Soluble) as SO4			M	2120	g/l	0.010	< 0.010		
Cyanide (Total)			M	2300	mg/kg	0.50	0.70		
Sulphide (Easily Liberatable)			N	2325	mg/kg	0.50	12		
Arsenic			M	2450	mg/kg	1.0	< 1.0		
Cadmium			M	2450	mg/kg	0.10	< 0.10		
Chromium			M	2450	mg/kg	1.0	4.3		
Copper			M	2450	mg/kg	0.50	5.4		
Mercury			M	2450	mg/kg	0.10	0.11		
Nickel			M	2450	mg/kg	0.50	2.1		
Lead			M	2450	mg/kg	0.50	44		
Selenium			M	2450	mg/kg	0.20	< 0.20		
Zinc			M	2450	mg/kg	0.50	16		
Chromium (Hexavalent)			N	2490	mg/kg	0.50	< 0.50		
Organic Matter			M	2625	%	0.40	1.7		
TPH >C6-C10			N	2670	mg/kg	1.0	< 1.0		
TPH >C10-C21			N	2670	mg/kg	1.0	8.6		
TPH >C21-C40			N	2670	mg/kg	1.0	41		
Total TPH >C6-C40			M	2670	mg/kg	10	49		
Naphthalene			M	2700	mg/kg	0.10	< 0.10		
Acenaphthylene			M	2700	mg/kg	0.10	< 0.10		
Acenaphthene			M	2700	mg/kg	0.10	< 0.10		
Fluorene			M	2700	mg/kg	0.10	< 0.10		
Phenanthrene			M	2700	mg/kg	0.10	< 0.10		
Anthracene			M	2700	mg/kg	0.10	< 0.10		
Fluoranthene			M	2700	mg/kg	0.10	0.78		
Pyrene			M	2700	mg/kg	0.10	0.87		
Benzo[a]anthracene			M	2700	mg/kg	0.10	< 0.10		
Chrysene			M	2700	mg/kg	0.10	< 0.10		
Benzo[b]fluoranthene			M	2700	mg/kg	0.10	< 0.10		
Benzo[k]fluoranthene			M	2700	mg/kg	0.10	< 0.10		

Results - Soil

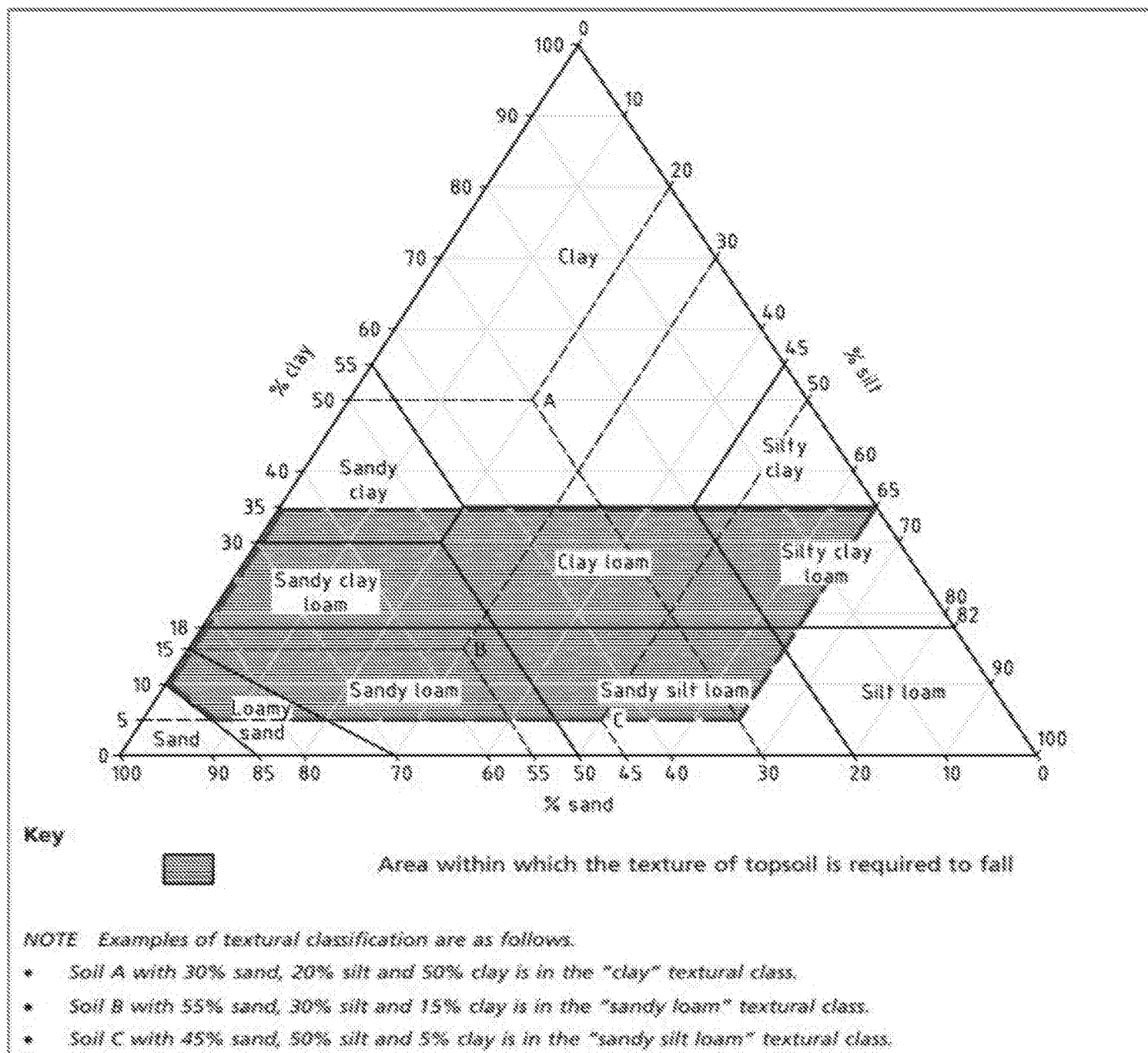
Project: GL6947 North Grange Fm. Wimlands Ln.									
Client: Southern Testing Laboratories Ltd			Chemtest Job No.:		21-08971				
Quotation No.: Q20-21432			Chemtest Sample ID.:		1164088				
			Sample Location:		13628				
			Sample Type:		SOIL				
			Date Sampled:		17-Mar-2021				
			Asbestos Lab:		COVENTRY				
Determinand			Accred.	SQP	Units	LQD			
Benzo[a]pyrene			M	2700	mg/kg	0.10	< 0.10		
Indeno(1,2,3-c,d)Pyrene			M	2700	mg/kg	0.10	< 0.10		
Dibenz[a,h]Anthracene			M	2700	mg/kg	0.10	< 0.10		
Benzof[g,h,i]perylene			M	2700	mg/kg	0.10	< 0.10		
Total Of 16 PAH's			M	2700	mg/kg	2.0	< 2.0		
Total Phenols			M	2920	mg/kg	0.30	< 0.30		

Results - Topsoil Report

BS 3882:2015

Chemtest Job No.: 21-08971
 Chemtest Sample ID.: 1164088
 Client Sample Ref.:
 Sample Location: 13828
 Client Sample ID.:
 Top Depth (m):
 Bottom Depth (m):
 Date Sampled: 17-Mar-2021
 Time Sampled:

Parameter	Units	Multipurpose Range	Result	Compliant with Multipurpose Range? (Y/N)	Compliant with Specific Purpose Range? (Y/N)		
Texture					Acid	Low F	Calc.
Clay content	%		8.1				
Silt content	%		15				
Sand content	%		77				
Soil texture class		See Attached Chart	Sandy Loam	YES			
Mass Loss on Ignition							
Clay 5-20%		3.0-20	4.6	YES	YES	YES	YES
Clay 20-35%		5.0-20					
Stone Content	% m/m						
>2mm		0-30	7.6	YES			
>20mm		0-10	< 0.020	YES			
>50mm		0	< 0.020	YES			
Soil pH value		5.5-8.5	7.1	YES	NO	YES	NO
Carbonate (Calcareous only)	%		1.0				YES
Electrical Conductivity	µS/cm	If >3300 do ESP	2100	YES			
Available Nutrient Content							
Nitrogen %		>0.15	0.010	NO	NO		NO
Extractable phosphorus	mg/l	16-140	20	YES	YES	YES	YES
Extractable potassium	mg/l	121-1500	65	NO	NO		NO
Extractable magnesium	mg/l	51-600	25	NO	NO		NO
Carbon : Nitrogen Ratio		<20:1	269.5/1	NO	NO	NO	NO
Exchangeable sodium	%	<15	0.78				
Available Calcium	mg/l		140				
Available Sodium	mg/l		7.0				
Phytotoxic Contaminants (by soil pH)		< 6.0 6.0-7.0 > 7.0					
Zinc (Nitric Acid extract)	mg/kg	<200 <200 <300	27	YES			
Copper (Nitric Acid extract)	mg/kg	<100 <135 <200	8.7	YES			
Nickel (Nitric Acid extract)	mg/kg	<60 <75 <110	< 5.0	YES			
Visible Contaminants	% mm						
>2mm		<0.5	0.000	YES			
..... of which plastics		<0.25	0.000	YES			
..... man-made sharps		zero in 1kg	0.000	YES			

Texture Classification Chart

Permission to reproduce extracts from BS 3882:2015 is granted by BSI.

British Standards can be obtained in PDF or hard copy formats from the BSI online shop: www.bsigroup.com/Shop or by contacting BSI Customer Services for hardcopies only: Tel: +44 (0)20 8996 9001, Email: cservices@bsigroup.com.

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.
2030	Moisture and Stone Content of Soils (Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description (Requirement of MCERTS)	Soil description	As received soil is described based upon BS 5930
2115	Total Nitrogen in Soils	Nitrogen	Determination by elemental analyser
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2260	Carbonate	Carbonate	Titration
2300	Cyanides & Thiocyanate in Soils	Free (or easily liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2400	Cations	Cations	ICP-MS
2420	Phosphate	Phosphate	Spectrophotometry - Discrete analyser
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2620	LOI 440	LOI 440 Trommel Fines	Determination of the proportion by mass that is lost from a soil by ignition at 440°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[a,h]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols. Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

-
- A - Date of sampling not supplied
 - B - Sample age exceeds stability time (sampling to extraction)
 - C - Sample not received in appropriate containers
 - D - Broken Container
 - E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

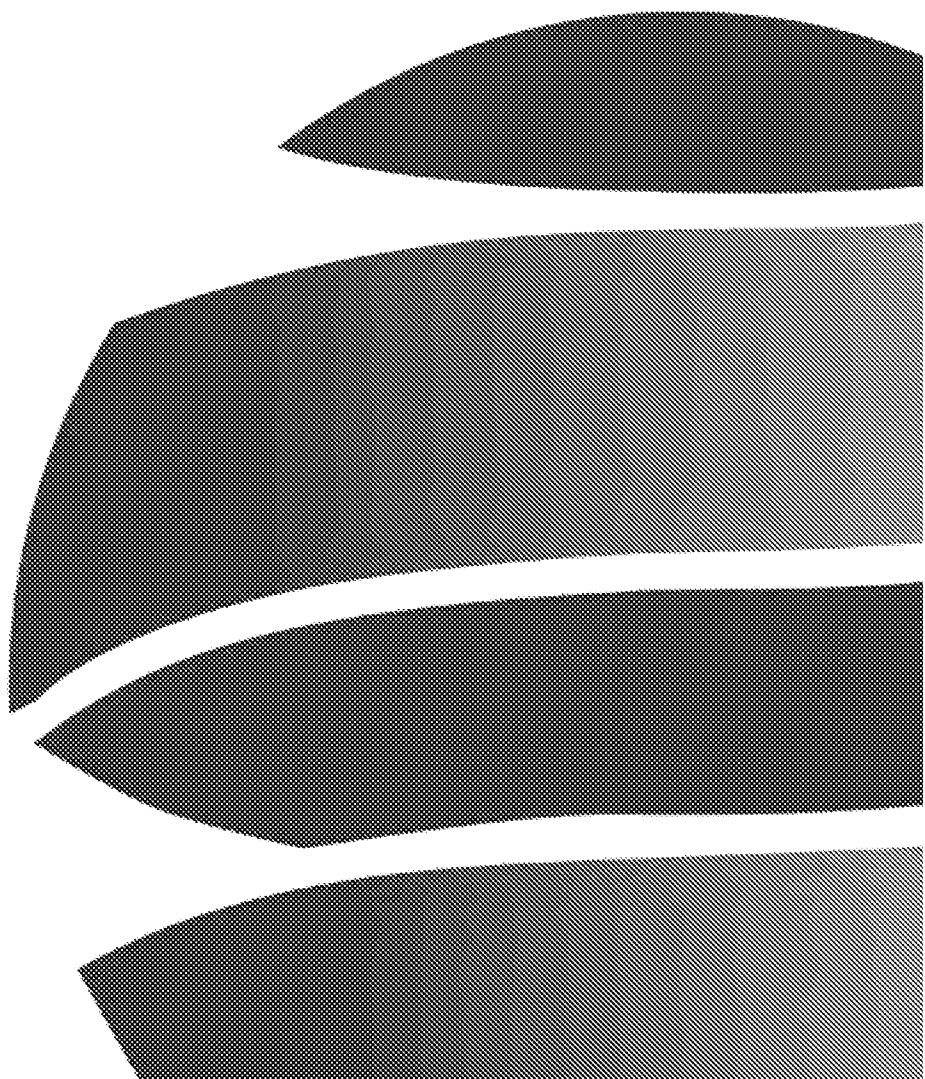
If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



APPENDIX E

Visual Inspection Records and Additional Client Photographs



ID	GE18103
Project Name	Cornfield Close
Client	Thakeham
Engineers	
 Fiona Goode	

Project Manager	No users
-----------------	----------

Location	Littlehampton
Date	19/05/2021

Details of Hole	(3 records)
-----------------	-------------

Hole ID	Plot 24 2
Plot No./Position	Plot 24 retest
Date of Hole	19/05/2021, 14:15
Hole Type	HP
Final Depth	0.62

Ground Conditions	(1 record)
-------------------	------------

Top Depth	Base Depth	General description of stratum
0	0.62	Dark brown slightly silty gravelly CLAY with frequent roots and rootlets and occasional flint gravel Taram beneath

Samples	(2 records)
---------	-------------

Top Depth	Base Depth	Sample type	Sample reference
0.25		ES	1
0.55		ES	2

Pass/Fail	(X) Pass () Fail
-----------	----------------------

Remarks

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph



Description

Plot 24

Hole ID

Plot 16

Plot No./Position

Plot 16

Date of Hole

19/05/2021, 14:26

Hole Type

HP

Final Depth

0.6

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.23	Dark brown slightly silty gravelly CLAY with frequent roots and rootlets

0.23	0.6	Firm grey and orange mottled slightly gravelly CLAY Taram underneath
------	-----	---

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.15		ES	1
0.45		ES	2

Pass/Fail

☒ Pass

☐ Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph



Description

Plots 16 and 17

Hole ID Plot 17

Plot No./Position Plot 17

Date of Hole 19/05/2021, 14:38

Hole Type HP

Final Depth 0.60

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.23	Dark brown slightly silty gravelly CLAY with frequent roots and rootlets
0.23	0.60	Firm grey and orange mottled gravelly CLAY Taram underneath

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1

(X) Pass

Pass/Fail

() Fail

Remarks

Photo of Spoil

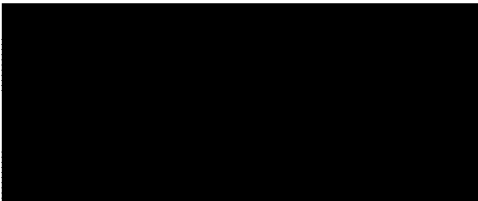


Photo of hole with tape in place



Approved By

No users

ID	GE18103
Project Name	Cornfield Close
Client	Thakeham
Engineers	
 Fiona Goode	
Project Manager	
 Laura Legate	
Location	Littlehampton
Date	04/06/2021

Details of Hole

(6 records)

Hole ID	Plot 18
Plot No./Position	Plot 18
Date of Hole	04/06/2021, 10:48
Hole Type	HP
Final Depth	0.6
Ground Conditions	

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.2	Dark brown slightly silty slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel
0.2	0.6	Firm orange and grey mottled gravelly CLAY with occasional rootlets Taram underneath

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.4		ES	2

Pass/Fail ☒ (X) Pass
☐ () Fail

Remarks

Photo of Spoil

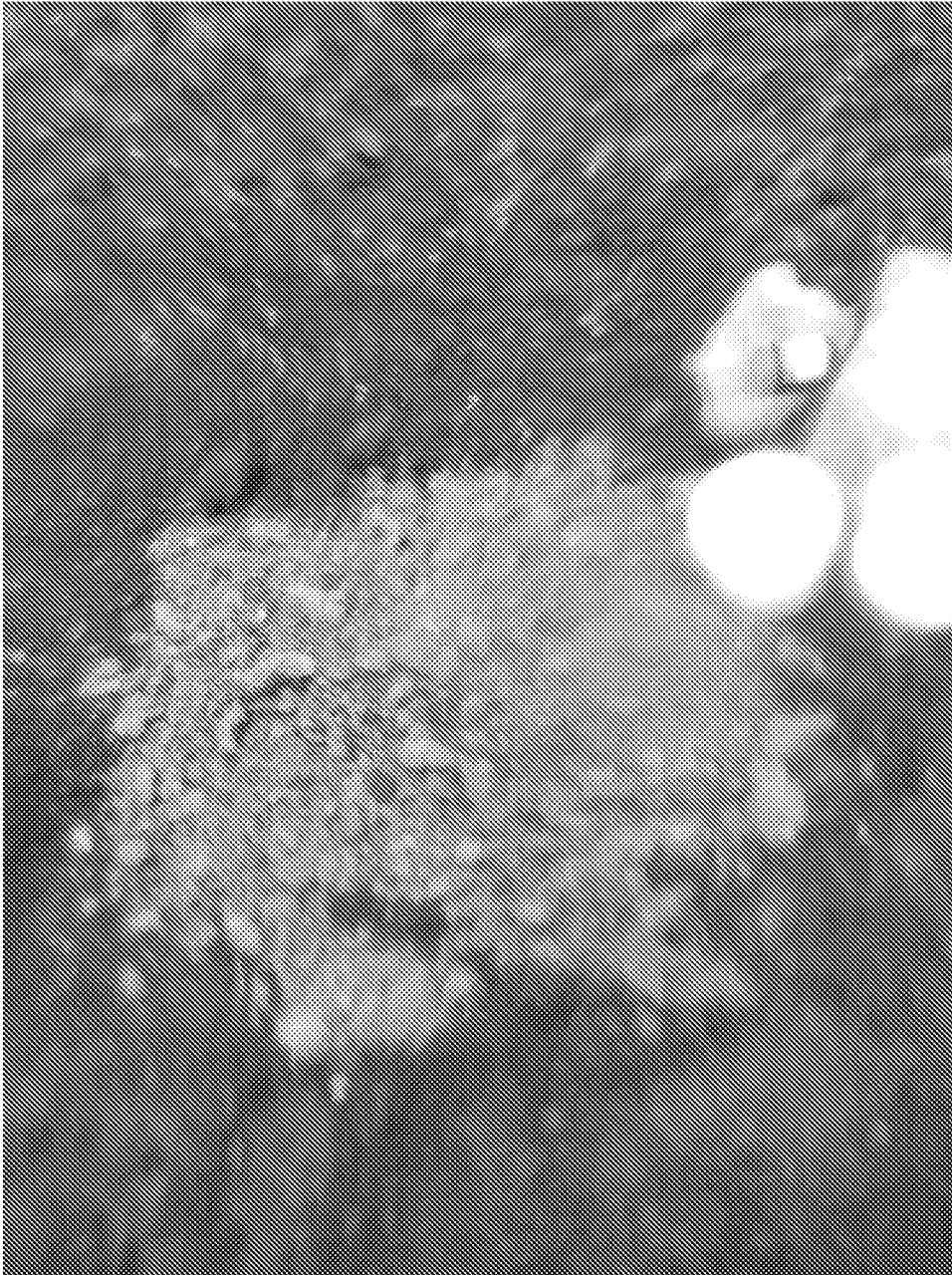


Photo of hole with tape in place



Hole ID Plot 19

Plot No./Position Plot 19

Date of Hole 04/06/2021, 10:57

Hole Type HP

Final Depth 0. 55

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.25	Dark brown slightly silty slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel
0.25	0.55	Firm orange and grey mottled gravelly CLAY with occasional rootlets Taram underneath

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0.15		ES	1

Pass/Fail (X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID Plot 20

Plot No./Position Plot 20

Date of Hole 04/06/2021, 11:05

Hole Type HP

Final Depth 0.6

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Dark brown slightly silty slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel
0.15	0.6	Firm orange and grey mottled gravelly CLAY with occasional rootlets Taram underneath

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0.5		ES	1

Pass/Fail (X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID Plot 21

Plot No./Position Plot 21

Date of Hole 04/06/2021, 11:11

Hole Type HP

Final Depth 0.6

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.2	Dark brown slightly silty slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel
0.2	0.6	Firm orange and grey mottled gravelly CLAY with occasional rootlets Taram underneath

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1

Pass/Fail

(X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph



Description

Plots 18-21

Hole ID Plot 22

Plot No./Position Plot 22

Date of Hole 04/06/2021, 11:16

Hole Type HP

Final Depth 0

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0.05		ES	1

Pass/Fail (X) Pass
() Fail

Remarks Topsoil being laid photos of progress and samples of surface topsoil collected

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph



Description

Plots 22 and 23

Hole ID Plot 23

Plot No./Position Plot 23

Date of Hole 04/06/2021, 11:19

Hole Type HP

Final Depth 0

Samples

(1 record)

Top Depth	Base Depth	Sample type	Sample reference
0		ES	1

 Pass/Fail
☒ (X) Pass
☐ () Fail

 Remarks
 Soils being laid whilst engineer present. Taram visible around edges subsoil laid and Topsoil being laid

Photo of Spoil



Photo of hole with tape in place



Approved By

No users

Photographs of Plot 23 - completed cover system (provided by Client)



Plate 1 – Photograph showing depth of soil cover system



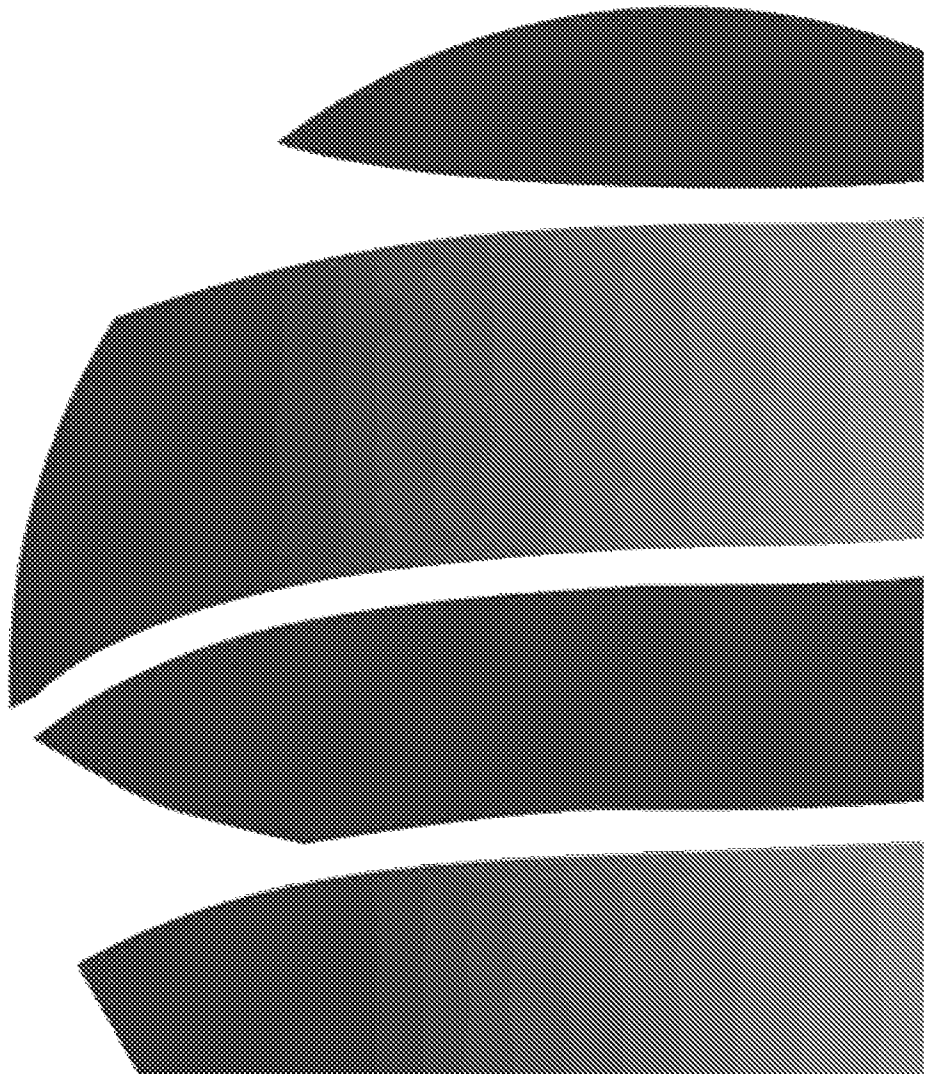
Plate 2 – Photograph showing subsoil and hi-vis taram beneath soil cover



Plate 3 – Photograph with tape in place showing inspection pit dug in Plot 23

APPENDIX F

Independent Geochemical Laboratory Results





Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY

Analytical Report Number: 21-33865

Issue: 1

Date of Issue: 16/06/2021

Contact: Fiona Goode

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q19-01488

Order No: PO-4045

Customer Reference: GE18103

Date Received: 21/05/2021

Date Approved: 16/06/2021

Details: Cornfield Close

Approved by:

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 21-33865, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
238139	Plot 16 0.15	19/05/2021	21/05/2021	Silty loam	
238140	Plot 16 0.45	19/05/2021	21/05/2021	Silty loam	
238141	Plot 17 0.10	19/05/2021	21/05/2021	Silty loam	
238142	Plot 24 2 0.25	19/05/2021	21/05/2021	Silty loam	
238143	Plot 24 2 0.55	19/05/2021	21/05/2021	Silty loam	
238144	S/S Stockpile 0.55	19/05/2021	21/05/2021	Silty loam	

Results Summary

2683

Report No.: 21-33865, issue number 1

ELAB Reference	238139	238140	238141	238142	238143	238144
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 16	Plot 16	Plot 17	Plot 24.2	Plot 24.2	S/S Stockpile
Sample Depth (m)	0.15	0.45	0.10	0.25	0.55	0.55
Sampling Date	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021

Determinand	Codes	Units	LOD						
Soil sample preparation parameters									
Material removed	N	%	0.1	< 0.1	24.4	16.6	15.1	23.4	44.2
Description of Inert material removed	N		0	None	Stones	Stones	Stones	Stones	Stones
Metals									
Arsenic	M	mg/kg	1	10.5	n/t	13.1	25.5	n/t	11.3
Beryllium	U	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	1.1
Cadmium	M	mg/kg	0.5	< 0.5	n/t	< 0.5	< 0.5	n/t	0.8
Chromium	M	mg/kg	5	25.6	n/t	27.4	28.5	n/t	32.8
Copper	M	mg/kg	5	31.2	39.3	32.7	34.9	35.9	21.8
Lead	M	mg/kg	5	79.8	n/t	92.6	122	n/t	31.1
Mercury	M	mg/kg	0.5	< 0.5	n/t	< 0.5	< 0.5	n/t	< 0.5
Nickel	M	mg/kg	5	15.1	17.5	14.9	15.4	14.9	29.7
Selenium	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
Vanadium	M	mg/kg	5	32.7	n/t	38.3	41.3	n/t	45.8
Zinc	M	mg/kg	5	84.8	132	117	124	128	74.3
Anions									
Water Soluble Chloride	M	mg/kg	40	56	n/t	69	58	n/t	< 40
Water Soluble Sulphate	M	g/l	0.02	0.12	n/t	0.26	0.23	n/t	0.02
Inorganics									
Carbonate	N	%	0.1	n/t	0.5	0.8	n/t	0.5	0.3
Elemental Sulphur	M	mg/kg	20	< 20	n/t	< 20	< 20	n/t	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	n/t	< 0.8	< 0.8	n/t	< 0.8
Total Sulphide	N	mg/kg	2	< 2	n/t	< 2	< 2	n/t	< 2
Total Cyanide	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
Acid Soluble Sulphate (SO ₄)	U	%	0.02	0.04	n/t	0.07	0.07	n/t	0.03
Water Soluble Boron	N	mg/kg	0.5	0.6	n/t	1.1	1.1	n/t	< 0.5

Results Summary

Report No.: 21-33865, issue number 1

ELAB Reference	238139	238140	238141	238142	238143	238144
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 16	Plot 16	Plot 17	Plot 24.2	Plot 24.2	S/S Stockpile
Sample Depth (m)	0.15	0.45	0.10	0.25	0.55	0.55
Sampling Date	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021

Determinand	Codes	Units	LOD						
Miscellaneous									
Electrical Conductivity (CaSO ₄ extract)	N	uS/cm	50	n/t	2510	2520	n/t	2480	2200
Carbon Nitrogen Ratio	N	ratio	0.1	n/t	17.1	16.4	n/t	17.3	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	4.75	5.93	n/t	4.72	2.25
pH	M	pH units	0.1	8.1	9.5	7.5	7.9	7.8	8.1
Density	N	g/ml	0	n/t	1.12	1.13	n/t	1.13	1.13
Soil Organic Matter	U	%	0.1	n/t	n/t	n/t	n/t	n/t	0.9
Total Carbon	N	%	0.01	n/t	2.8	3.4	n/t	2.7	n/t
Total Organic Carbon	N	%	0.01	1.1	n/t	2.3	2.0	n/t	0.39
Total Nitrogen	N	%	0.01	n/t	0.16	0.21	n/t	0.16	n/t
Extractable Potassium	N	mg/l	20	n/t	209	214	n/t	209	171
Extractable Magnesium	N	mg/l	20	n/t	112	116	n/t	89	64
Extractable Phosphate	N	mg/l	1	n/t	104	124	n/t	115	n/t
Extractable Calcium	N	mg/l	20	n/t	n/t	n/t	n/t	n/t	4800
Extractable Sodium	N	mg/l	20	n/t	n/t	n/t	n/t	n/t	< 20
Sand content	NS	%	1	n/t	64	63	n/t	71	37
Silt content	NS	%	1	n/t	28	31	n/t	25	41
Clay content	NS	%	1	n/t	9	6	n/t	4	22
Stones > 2mm	NS	%	1	n/t	18	17	n/t	19	27
Stones > 20mm	NS	%	1	n/t	< 1	< 1	n/t	< 1	36
Stones > 50mm	NS	%	1	n/t	< 1	< 1	n/t	< 1	n/t
Stones > 75mm	NS	%	1	n/t	n/t	n/t	n/t	n/t	< 1
Total Visible Contaminants	N	%	0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
Plastics	N	%	0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
Sharps	N	n/kg	0	n/t	0	0	n/t	0	0
Phenols									
Total Phenols	N	mg/kg	6	< 6	n/t	< 6	< 6	n/t	< 6
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	n/t	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	n/t	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	n/t	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	n/t	< 0.1
Phenanthrene	M	mg/kg	0.1	0.1	n/t	0.3	0.2	n/t	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	n/t	< 0.1
Fluoranthene	M	mg/kg	0.1	0.5	n/t	1.0	0.7	n/t	< 0.1
Pyrene	M	mg/kg	0.1	0.4	n/t	0.8	0.6	n/t	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	0.4	n/t	0.6	0.4	n/t	< 0.1
Chrysene	M	mg/kg	0.1	0.4	n/t	0.6	0.5	n/t	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	0.4	n/t	0.6	0.5	n/t	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.5	n/t	0.6	0.6	n/t	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	0.4	n/t	0.6	0.5	n/t	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.3	n/t	0.4	0.5	n/t	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	n/t	0.1	0.1	n/t	< 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.4	n/t	0.6	0.5	n/t	< 0.1
Total PAH(16)	M	mg/kg	0.4	3.9	n/t	6.4	5.2	n/t	< 0.4

Results Summary

Report No.: 21-33865, issue number 1

ELAB Reference	238139	238140	238141	238142	238143	238144
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 16	Plot 16	Plot 17	Plot 24 2	Plot 24 2	S/S Stockpile
Sample Depth (m)	0.15	0.45	0.10	0.25	0.55	0.55
Sampling Date	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021

Determinand	Codes	Units	LOD						
BTEX									
Benzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0
Toluene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0
Xylenes	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0
MTBE	N	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0
TPH CWG									
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	< 1.0	n/t	1.0	< 1.0	n/t	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	< 1.0	n/t	1.8	< 1.0	n/t	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	< 1.0	n/t	1.4	< 1.0	n/t	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	1.7	n/t	9.7	7.5	n/t	< 1.0
>C35-C40 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	2.0	n/t	11.7	8.6	n/t	< 1.0
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	2.0	n/t	13.5	8.9	n/t	< 1.0

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-33865, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
238139	0.15	Plot 16	Brown soil, stones, wood	No asbestos detected	n/t	n/t	n/t	n/t
238141	0.10	Plot 17	Brown sandy soil, stones, brick, clinker, wood	No asbestos detected	n/t	n/t	n/t	n/t
238142	0.25	Plot 24 2	Brown sandy soil, stones, concrete, brick, clinker, organics	No asbestos detected	n/t	n/t	n/t	n/t
238144	0.25	S/S Stockpile	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-33865, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid neutralisation capacity	N	Air dried sample	25/05/2021		
Extractable cations - BS3882	N	Air dried sample	27/05/2021		ICPMS
Visible Contaminants	N		25/05/2021		
Sulphide	N	As submitted sample	25/05/2021	109	Colorimetry
Hexavalent chromium	N	As submitted sample	24/05/2021	110	Colorimetry
pH	M	Air dried sample	27/05/2021	113	Electromeric
Electrical conductivity of soil	N	Air dried sample	28/05/2021	114	Electromeric
Acid Soluble Sulphate	U	Air dried sample	26/05/2021	115	Ion Chromatography
Phenols in solids	N	As submitted sample	24/05/2021	121	HPLC
Elemental Sulphur	M	Air dried sample	25/05/2021	122	HPLC
Loss on ignition at 450 deg C	M	Air dried sample	27/05/2021	129	Gravimetry
PAH (GC-FID)	M	As submitted sample	24/05/2021	133	GC-FID
Extr. Phos	N	Air dried sample	27/05/2021	140	ICPMS
Water soluble anions	M	Air dried sample	25/05/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	25/05/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	25/05/2021	181	GC-MS
BTEX in solids	M	As submitted sample	25/05/2021	181A	GC-MS
Water soluble boron	N	Air dried sample	25/05/2021	202	Colorimetry
Total cyanide	M	As submitted sample	24/05/2021	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	26/05/2021	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	21/05/2021	271	
Asbestos identification	U	Air dried sample	26/05/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	25/05/2021	300	ICPMS
Soil organic matter	U	Air dried sample	27/05/2021	BS1377:P3	Titrimetry

Tests marked N are not UKAS accredited



Report Information

Report No.: 21-33865, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

LOD	LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination. Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed. ELAB are unable to provide an interpretation or opinion on the content of this report. The results relate only to the sample received. PCB congener results may include any coeluting PCBs Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.
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Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



2683



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-34156

Issue: Preliminary Report

Date of Issue: 14/06/2021

Contact: Fiona Goode

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q19-01488

Order No: PO-4100

Customer Reference: GE18103

Date Received: 07/06/2021

Date Approved: 14/06/2021

Details: Cornfield Close, Littlehampton

Approved by:

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 21-34156, issue number 0

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
239931	Plot 18 0.10	04/06/2021	07/06/2021	Silty loam	
239932	Plot 18 0.40	04/06/2021	07/06/2021	Silty loam	
239933	Plot 19 0.15	04/06/2021	07/06/2021	Silty loam	
239934	Plot 20 0.50	04/06/2021	07/06/2021	Silty loam	
239935	Plot 21 0.10	04/06/2021	07/06/2021	Silty loam	
239936	Plot 22 0.45	04/06/2021	07/06/2021	Silty loam	
239937	T/A Stockpile Stockpile	04/06/2021	07/06/2021	Silty loam	

Results Summary

Report No.: 21-34156, issue number 0

ELAB Reference	239931	239932	239933	239934	239935	239936	239937
Customer Reference							
Sample ID							
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 18	Plot 18	Plot 19	Plot 20	Plot 21	Plot 22	T/A Stockpile
Sample Depth (m)	0.10	0.40	0.15	0.50	0.10	0.45	Stockpile
Sampling Date	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Material removed	N	%	0.1	< 0.1	< 0.1	11.7	< 0.1
Description of Inert material removed	N		0	None	None	Stones	None
Metals							
Arsenic	M	mg/kg	1	10.3	n/t	12.1	10.8
Beryllium	U	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0
Cadmium	M	mg/kg	0.5	< 0.5	n/t	< 0.5	< 0.5
Chromium	M	mg/kg	5	20.9	n/t	24.0	33.2
Copper	M	mg/kg	5	29.3	27.2	32.2	27.3
Lead	M	mg/kg	5	99.0	n/t	96.9	44.8
Mercury	M	mg/kg	0.5	< 0.5	n/t	< 0.5	< 0.5
Nickel	M	mg/kg	5	13.0	19.1	15.8	26.7
Selenium	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0
Vanadium	M	mg/kg	5	30.2	n/t	33.0	44.8
Zinc	M	mg/kg	5	104	66.3	108	84.4
Anions							
Water Soluble Chloride	M	mg/kg	40	< 40	n/t	< 40	< 40
Water Soluble Sulphate	M	g/l	0.02	0.13	n/t	0.17	0.08
Inorganics							
Carbonate	N	%	0.1	n/t	0.5	n/t	n/t
Elemental Sulphur	M	mg/kg	20	< 20	n/t	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	n/t	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	n/t	< 2	< 2
Total Cyanide	M	mg/kg	1	1.2	n/t	1.2	1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.05	n/t	0.06	0.03
Water Soluble Boron	N	mg/kg	0.5	1.2	n/t	1.0	0.8
Miscellaneous							
Electrical Conductivity (CaSO4 extract)	N	uS/cm	50	n/t	2330	n/t	n/t
Carbon Nitrogen Ratio	N	ratio	0.1	n/t	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	3.30	n/t	n/t
pH	M	pH units	0.1	8.2	8.1	8.1	7.8
Density	N	g/ml	0	n/t	1.12	n/t	n/t
Soil Organic Matter	U	%	0.1	n/t	1.3	n/t	n/t
Total Carbon	N	%	0.01	n/t	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01	1.8	n/t	1.6	0.86
Total Nitrogen	N	%	0.01	n/t	n/t	n/t	n/t
Extractable Potassium	N	mg/l	20	n/t	68	n/t	n/t
Extractable Magnesium	N	mg/l	20	n/t	61	n/t	n/t
Extractable Phosphate	N	mg/l	1	n/t	n/t	n/t	n/t
Extractable Calcium	N	mg/l	20	n/t	4070	n/t	n/t
Extractable Sodium	N	mg/l	20	n/t	< 20	n/t	n/t
Sand content	NS	%	1	n/t	to follow	n/t	n/t
Silt content	NS	%	1	n/t	to follow	n/t	n/t
Clay content	NS	%	1	n/t	to follow	n/t	n/t
Stones > 2mm	NS	%	1	n/t	to follow	n/t	n/t
Stones > 20mm	NS	%	1	n/t	to follow	n/t	n/t
Stones > 50mm	NS	%	1	n/t	to follow	n/t	n/t
Stones > 75mm	NS	%	1	n/t	to follow	n/t	n/t
Total Visible Contaminants	N	%	0.01	n/t	< 0.01	n/t	n/t
Plastics	N	%	0.01	n/t	< 0.01	n/t	n/t
Sharps	N	n/kg	0	n/t	0	n/t	n/t
Phenols							
Total Phenols	N	mg/kg	6	< 6	n/t	< 6	< 6

Results Summary

Report No.: 21-34156, issue number 0

ELAB Reference				239931	239932	239933	239934	239935	239936	239937
Customer Reference										
Sample ID										
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				Plot 18	Plot 18	Plot 19	Plot 20	Plot 21	Plot 22	T/A Stockpile
Sample Depth (m)				0.10	0.40	0.15	0.50	0.10	0.45	Stockpile
Sampling Date				04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021
Determinand	Codes	Units	LOD							
Polyaromatic hydrocarbons										
Naphthalene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.2	n/t	0.2	< 0.1	0.2	< 0.1	0.2
Anthracene	M	mg/kg	0.1	< 0.1	n/t	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Fluoranthene	M	mg/kg	0.1	0.9	n/t	0.7	0.3	0.9	< 0.1	1.1
Pyrene	M	mg/kg	0.1	0.7	n/t	0.5	0.2	0.7	< 0.1	0.9
Benzo(a)anthracene	M	mg/kg	0.1	0.5	n/t	0.3	0.1	0.5	< 0.1	0.5
Chrysene	M	mg/kg	0.1	0.6	n/t	0.4	0.2	0.8	< 0.1	0.6
Benzo(b)fluoranthene	M	mg/kg	0.1	0.6	n/t	0.5	0.2	0.6	< 0.1	0.5
Benzo(k)fluoranthene	M	mg/kg	0.1	0.6	n/t	0.4	0.2	0.6	< 0.1	0.7
Benzo(a)pyrene	M	mg/kg	0.1	0.6	n/t	0.4	0.2	0.6	< 0.1	0.6
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.6	n/t	0.4	0.1	0.6	< 0.1	0.5
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.1	n/t	0.2	< 0.1	0.3	< 0.1	0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.7	n/t	0.6	0.2	0.7	< 0.1	0.6
Total PAH(16)	M	mg/kg	0.4	6.1	n/t	4.7	1.8	6.5	< 0.4	6.5
BTEX										
Benzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
TPH CWG										
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	< 1.0	n/t	5.1	< 1.0	1.7	< 1.0	2.0
>C35-C40 Aromatic	M	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	< 1.0	n/t	5.3	< 1.0	2.4	< 1.0	3.1
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	< 1.0	n/t	5.3	< 1.0	2.4	< 1.0	3.1

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193

Report No.: 21-34156, issue number 0

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
239931	0.10	Plot 18	Brown soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
239933	0.15	Plot 19	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
239934	0.50	Plot 20	Brown soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
239935	0.10	Plot 21	Brown soil, stones, plant-material	No asbestos detected	n/t	n/t	n/t	n/t
239936	0.45	Plot 22	Brown sandy soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
239937	Stockpile	T/A Stockpile	Brown soil, stones, plant-material	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-34156, issue number 0

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid neutralisation capacity	N	Air dried sample	10/06/2021		
Extractable cations - BS3882	N	Air dried sample	11/06/2021		ICPMS
Visible Contaminants	N		09/06/2021		
Sulphide	N	As submitted sample	09/06/2021	109	Colorimetry
Hexavalent chromium	N	As submitted sample	09/06/2021	110	Colorimetry
pH	M	Air dried sample	11/06/2021	113	Electromeric
Electrical conductivity of soil	N	Air dried sample	11/06/2021	114	Electromeric
Acid Soluble Sulphate	U	Air dried sample	10/06/2021	115	Ion Chromatography
Phenols in solids	N	As submitted sample	09/06/2021	121	HPLC
Elemental Sulphur	M	Air dried sample	09/06/2021	122	HPLC
Loss on ignition at 450 deg C	M	Air dried sample	09/06/2021	129	Gravimetry
PAH (GC-FID)	M	As submitted sample	09/06/2021	133	GC-FID
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Total organic carbon/Total sulphur	N	Air dried sample	10/06/2021	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	08/06/2021	271	
Asbestos identification	U	Air dried sample	10/06/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	09/06/2021	300	ICPMS
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Deviation Codes

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| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
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| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

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