

Our Ref: JD/SKT/BC/J14366

Southern Testing Laboratories Ltd
Keeble House, Stuart Way
East Grinstead, West Sussex RH19 4QA

22nd May 2020

Angmering Community Land Trust
Angmering Community Centre
Foxwood Avenue
Angmering
West Sussex
BN14 4FU

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Co. Secretary
J N Joseph
Consultant
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D Hingworth BSc FGS

c/o Mr B Howse, The Howse Wallis Partnership

Dear Sirs,

Supplementary Investigation & Laboratory Analysis for Asbestos in Soil at: Land South of Mayflower Way, Angmering, West Sussex
National Grid Reference: TQ 07260 03280
Geology: River Terrace Deposits (undifferentiated sand/silt/clay) over New Pit Chalk

1 Authority

Our authority for carrying out this work is contained in a confirmation of instruction written by Mr B Howse of The Howse Wallis Partnership, on behalf of their client the Angmering Community Land Trust, accepting our quotation ref Q200327-2 (dated 17th February 2020).

2 Background and Objectives

The site is an area of vacant land to the south of Mayflower Way in Angmering, which is to be developed for residential use, comprising houses with private gardens, an orchard/landscaping and car parking, as indicated on Figure 3B (attached). Previous intrusive investigations undertaken by Southern Testing in August 2017 (report ref: J13227) found Asbestos Containing Materials (ACMs) in the form of cement fragments in two of the trial pits (TP101 at 1.0m and TP103 at 0.3m bgl.), with loose fibres of chrysotile (white) asbestos identified by laboratory analysis in TP101 and TP105 (both measured as <0.001%). Please see enclosed plan for details.

The aim of this investigation was to obtain additional samples of the Made Ground from across the site to screen for asbestos, predominantly within proposed areas of gardens/landscaping/orchard.

3 Scope

This letter report presents the findings of our supplementary site investigation works and our interpretation of this data. As with any site there may be differences in soil conditions between exploratory hole positions.

The findings and opinions conveyed via this Site Investigation Report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Limited believes are reliable. Nevertheless, Southern Testing Laboratories Limited cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

The site investigation was conducted and this report has been prepared for the sole internal use and reliance of the Angmering Community Land Trust and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorization of Southern Testing Laboratories Limited. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

Recommendations contained in this report may not be appropriate to alternative development schemes.

A wider contamination and any geotechnical assessment were outside the requested scope of works, as was any waste assessment.

4 Site Visit - 10th March 2020

In order to further investigate the presence of ACMs within the Made Ground across the site, 9 No. machine dug trial pits were excavated within the proposed garden areas across the site to depths of between 1.1–3.4m bgl. Please see enclosed site plan for details.

Copies of the trial pit logs are attached and a summary of the soils found in the trial holes undertaken (TP301 – TP309) is given below:

Depth (m)	Soil Type	Description
GL – 0.10/0.30m	TOPSOIL	Grey-brown sandy gravelly CLAY with fine to coarse angular flint, chalk, brick fragments and charcoal.
0.10/0.30m – 0.15/0.65m	MADE GROUND (Absent from TP309)	Grey-brown sandy gravelly CLAY with fine to coarse gravel of angular flint, chalk, brick fragments and ash. Organic matter and glass present in TP303.
0.25/0.45m – 0.55/2.2m	MADE GROUND (TP304, 305 & 306 only)	Dark brown silty gravelly CLAY with plastic, glass, coarse brick, charcoal and wood, with a car tyre, plastic sheet, concrete and timber in TP306 only.
0.25/2.2m – 1.1/2.3m	CLAY	Firm red- brown slightly sandy silty CLAY.
1.5 – 3.3m	CLAY (Proven in TP301 only)	Firm yellow-brown silty slightly sandy gravelly CLAY. Gravel comprises fine to medium sub-rounded flint and coarse angular to sub-angular flint.

The Made Ground depths encountered across the site during this and the previous phase of investigations are typically in the range 0.5–1.0m. However, deeper Made Ground (to 2.2m bgl) was encountered in trial pit TP306 in the west of the site.

No suspected asbestos containing materials (ACMs) were visually identified during this phase of site works.

5 Laboratory analysis

A sample of the Made Ground from eight of the trial pits (TP301 – TP308) was subject to laboratory screening for asbestos; TP309 was not included since no Made Ground was encountered in this trial hole. No ACMs or loose asbestos fibres were identified in any of the samples tested from TP301 – TP308 during this phase of investigation (laboratory certificate of analysis attached).

6 Conclusions

As discussed, fragments of asbestos cement were previously visually identified in two trial pits (TP101 & TP103), with loose fibres of chrysotile (white) asbestos subsequently identified by laboratory analysis in two trial pits (TP101 & TP105).

However, no ACMs were visually identified on site, or by subsequent laboratory analysis, during this most recent investigation works, which targeted the proposed garden areas.

Therefore, on the basis of the investigation works undertaken to date it does not appear that ACMs are widespread throughout the Made Ground which is present across the site. However, such material is inherently variable and therefore there is always the potential for pockets of asbestos or for asbestos containing materials to be present, which have not been detected in the sampling.

As per the recommendations provided in our previous report (ref. J13227 – July 2017), given the physical composition of the shallow made ground soils across the site, and the fact that some of the material is impacted with asbestos, within proposed gardens, soft-landscaped areas and the orchard, these materials should be stripped down onto natural soils and removed from site. Where Made Ground soils are in excess of 600mm thick, these soils should be stripped down to 600mm below finished levels and a deter to dig layer installed, with levels made up with site-won clean natural soils and imported certified clean topsoil.

For the orchard in particular, and other areas where tree planting is proposed, an additional depth of clean soil may be required to assist growth. This should be confirmed with the specialist contractor.

Where ACMs are visually identifiable within the Made Ground (ie. the asbestos cement fragments found in TP101 & TP105) such material will be classified as hazardous waste. However, where loose fibres are present and the quantification analysis result is less than the hazardous waste limit of 0.1% (to date the concentrations of loose fibres identified were less than the laboratory limit of detection which is <0.001%), this Made Ground should be classified for off-site disposal following current waste legislation.

It may be possible to retain Made Ground containing Asbestos on site as it will capped in some areas by car parking/permanent hardstanding. However, consideration would be need to be given to the protection of on-site and off-site receptors during construction works. In addition, clean corridors would need to be provided for any new services which are to be laid through the site. The presence of Asbestos in the Made Ground would also need to be documented in the Health and Safety File, for any future maintenance work.

These recommendations are subject to the approval of the regulatory authorities.

Yours faithfully,



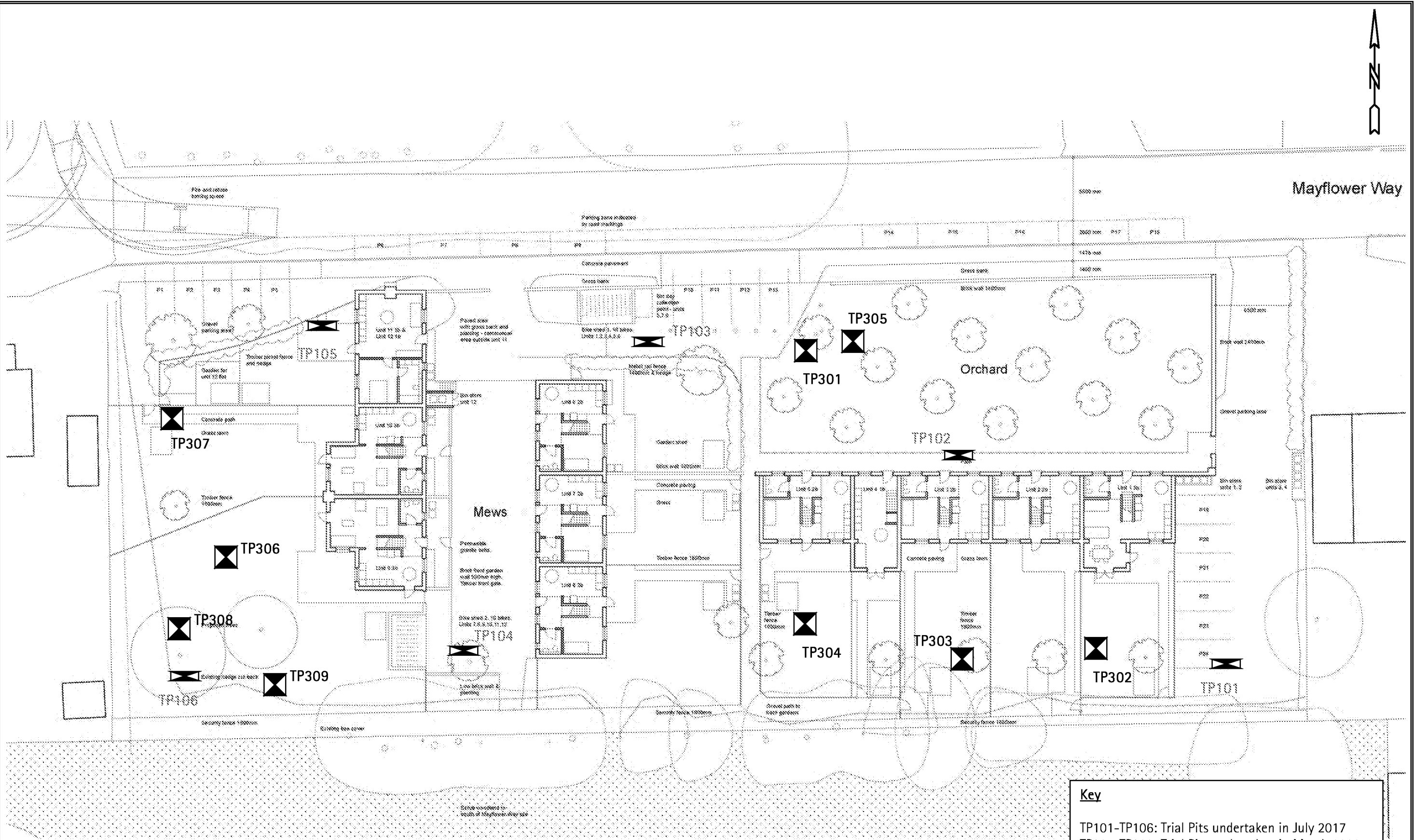
S Toms BSc (Hons) MSc MEnvSc PIEMA

For and on behalf of

Southern Testing Laboratories Limited

encs.

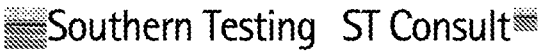




Key

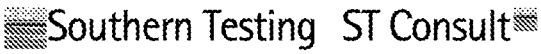
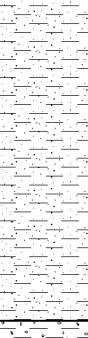
TP101-TP106: Trial Pits undertaken in July 2017
TP301-TP309: Trial Pits undertaken in March 2020

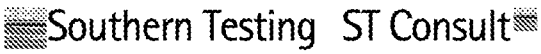
NB: Positions of Boreholes and/or Trial Pits are only indicative unless dimensioned			
Site: Mayflower Way, Angmering		STL: J14366	Fig No: 3B
Date: 10-12 March 2020		Site Plan – Contamination Sampling Locations (not to scale)	
 Southern Testing Southern Testing: Keeble House, Stuart Way, East Grinstead, West Sussex RH19 4QA ST Consult: Twigden Barns, Brixworth Road, Creton, Northampton NN6 8NN  ST Consult Asbestos was previously found in TP101, TP103 & TP105 (report ref. J13227)			

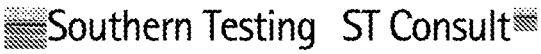
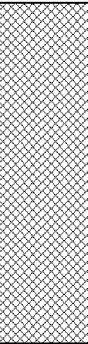
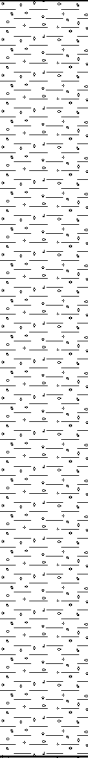
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Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: DK	
Location: Angmering											
Client: Angmering Community Land Trust											

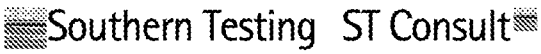
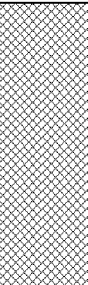
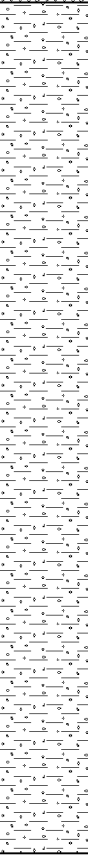
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description	
Depth (m)	Type	Results						
0.15	ES						Grass over MADE GROUND comprising brown sandy gravelly CLAY with abundant fine to coarse brick, tile, felt, concrete, barbed wire, timber, plastic fragments and whole re-inforced concrete fence posts. Fragments of asbestos containing materials in the form of cement sheeting were observed.	1
0.15	ES							
1.00	ES			(1.30)		1.30	Firm to stiff, high strength orange brown gravelly sandy CLAY. Gravels comprise fine to coarse subrounded to subangular flint.	2
1.00	ES							
1.50	D						Becoming increasingly gravelly	
1.50	HP	UCS(kPa)=270.00		(1.10)				
2.00	D					2.40	Medium dense orange brown clayey sandy GRAVEL. Gravels comprise fine to coarse subrounded to subangular flint.	3
2.00	PPT	N=12(450)						
2.50	PPT	N=13(450)		(0.50)		2.90	Medium dense, pale orange brown mottled white chalky fine to coarse sandy GRAVEL. Gravels comprise fine to coarse subrounded to subangular flint and fine to medium subrounded chalk.	4
3.00	D							
3.50	D			(0.60)		3.50	Pit terminated at 3.50m.	

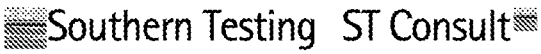
Pit Dimension (m)		Pit Stability:		Water Strikes:	
Width:	0.45	Unstable to 1.3m bgl due to the presence of made ground soils		Dry	
Length:	2.20				
Depth:	3.50				

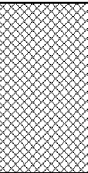
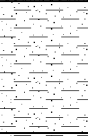
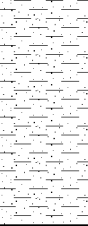
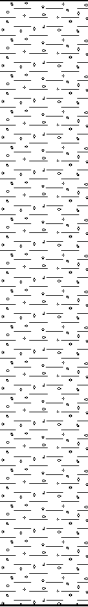
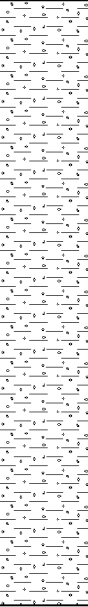
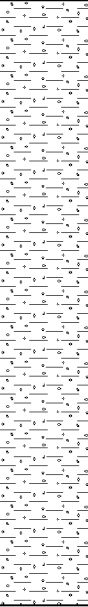
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Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: DK		
Location: Angmering												
Client: Angmering Community Land Trust												
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description					
Depth (m)	Type	Results										
0.15	ES			(0.30)		0.30	Grass over dry brown sandy clayey TOPSOIL with frequent fine roots and occasional fine to medium flint gravel.		1			
0.15	ES						Dry, pale orange brown sandy CLAY with abundant fine to medium chalk gravel and fine to coarse flint gravel.					
0.40	ES					0.70	Stiff, high strength orange brown sandy CLAY with rare fine to medium flint gravel.					
0.40	ES						Pockets of firm to stiff grey clay.					
1.00	D	UCS(kPa)=310.00		(2.10)		2.80	Firm high strength orange brown gravelly CLAY. Gravels comprise fine to coarse subangular to subrounded flint.		2			
1.00	HP						Pockets of firm to stiff grey clay.					
1.50	D						UCS(kPa)=250.00	Pockets of firm to stiff grey clay.				
1.50	HP							Pockets of firm to stiff grey clay.				
2.00	D	UCS(kPa)=180.00		(0.20)		3.00	Pit terminated at 3.00m.		3			
2.00	HP						Pockets of firm to stiff grey clay.					
2.50	D						UCS(kPa)=160.00	Pockets of firm to stiff grey clay.				
2.50	HP							Pockets of firm to stiff grey clay.				
3.00	D	UCS(kPa)=140.00		(0.20)		3.00	Pit terminated at 3.00m.		4			
3.00	HP						Pockets of firm to stiff grey clay.					
Pit Dimension (m)			Pit Stability:				Water Strikes:					
Width:		0.45	Pit sides stable in the short term				Dry					
Length:		2.10										
Depth:		3.00										

				Start - End Date: 24/07/2017		Project ID: J13227		Machine Type: JCB 3CX		TP103 Sheet 1 of 1	
Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: DK	
Location: Angmering											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.10	ES			(0.25)		0.25	Grass over brown sandy clayey TOPSOIL with occasional roots and flint gravel. Dry, pale brown silty CLAY with occasional flint gravel, weak chalk gravel and fine roots. Stiff, pale orange brown silty CLAY with rare roots. Stiff, high strength orange brown silty sandy CLAY with occasional flint gravel and rare fine roots.		1		
0.10	ES										
0.30	ES										
0.30	ES										
1.00	D	UCS(kPa)=410.00		(0.40)		0.40					
1.00	HP										
1.50	HP										
2.00	D										
2.00	HP	UCS(kPa)=170.00		(2.10)		0.80					
2.50	HP										
3.00	D										
3.00	D										
3.00	D	UCS(kPa)=150.00		(0.80)		2.90	Firm to stiff, pale grey mottled orange brown silty gravelly SAND. Gravels comprise fine to medium subrounded chalk and fine to coarse subrounded flint.		3		
3.70											
						3.70	Pit terminated at 3.70m.		4		
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.45		Pit sides stable in the short term				Dry				
Length:	2.00										
Depth:	3.70										

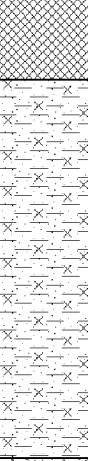
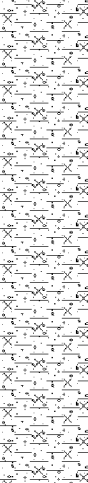
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Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: DK	
Location: Angmering											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.15 0.15	ES ES			(0.90)		0.90	Grass over MADE GROUND comprising brown sandy clayey TOPSOIL with abundant fine to coarse flint gravel, brick, metal and occasional timber fragments.				
0.60 0.60	ES ES										
1.00 1.00	D HP	UCS(kPa)=410.00		(2.00)		2.90	Firm to stiff, high to very high strength orange brown silty CLAY with occasional fine to medium subrounded flint gravel.		1		
1.50	HP	UCS(kPa)=210.00									
2.00 2.00	D HP	UCS(kPa)=160.00									
2.50	PPT	N=12(450)		(1.00)		3.90	Medium dense, pale grey gravelly fine to coarse SAND. Gravels comprise fine to coarse subrounded flint and fine to medium subrounded chalk.		3		
3.00 3.00	D PPT	N=26(450)									
							Pit terminated at 3.90m.		4		
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.45		Pit sides stable in the short term				Dry				
Length:	2.10										
Depth:	3.90										

				Start - End Date: 24/07/2017		Project ID: J13227		Machine Type: JCB 3CX		TP105 Sheet 1 of 1		
Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: DK		
Location: Angmering												
Client: Angmering Community Land Trust												
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description					
Depth (m)	Type	Results										
0.40	ES			(0.75)		0.75	Grass over MADE GROUND comprising grey-brown mottled black silty sandy CLAY with abundant re-inforced concrete posts, metal fragments, rubber tyres, glass, timber and plastic. Fragments of asbestos containing materials in the form of cement sheeting were observed.					
0.40	ES											
1.00	HP	UCS(kPa)=250.00		(2.25)		3.00	Firm high strength orange brown gravelly CLAY. Gravels comprise fine to coarse subangular to subrounded flint.		1			
1.20	D											
1.50	HP	UCS(kPa)=220.00										
2.00	D											
2.00	HP	UCS(kPa)=160.00									2	
2.30	D											
2.50	HP	UCS(kPa)=120.00										
3.00	HP	UCS(kPa)=110.00					Pit terminated at 3.00m.		3			
									4			
Pit Dimension (m)			Pit Stability:				Water Strikes:					
Width:	0.45		Pit sides stable in the short term				Dry					
Length:	2.00											
Depth:	3.00											

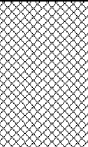
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www.southerntesting.co.uk tel:01342 333100 www.stconsult.co.uk tel:01604 500020				24/07/2017		J13227		JCB 3CX		Sheet 1 of 1	
Project Name: Land Off Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger:	
Location: Angmering										DK	
Client: Angmering Community Land Trust											

Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description	
Depth (m)	Type	Results						
0.15	ES			(0.45)		0.45	Grass over MADE GROUND comprising brown sandy gravelly CLAY with abundant fine to coarse brick, tile, felt, concrete, timber, plastic fragments.	
0.15	ES							
0.60	D	UCS(kPa)=360.00		(0.35)		0.80	Stiff, high strength, pale orange brown silty fine sandy CLAY.	
0.60	HP							
1.00	D	UCS(kPa)=350.00		(0.60)		1.40	Stiff, high to very high strength orange brown sandy silty CLAY.	1
1.00	HP							
1.50	D	N=17(450)		(1.60)		3.00	Stiff/Medium dense, orange brown silty CLAY/GRAVEL. Gravels comprise fine to coarse subrounded to subangular flint.	
1.50	PPT							
2.00	D	N=14(450)		(1.60)		3.00	Becoming increasingly gravelly	2
2.00	PPT							
2.50	D	N=9(450)		(1.60)		3.00	Lenses of orange brown sandy CLAY	
2.50	PPT							
						3.00	Pit terminated at 3.00m.	3
								4

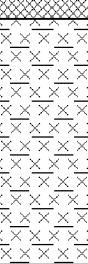
Pit Dimension (m)		Pit Stability:		Water Strikes:	
Width:	0.45	Pit sides stable in the short term		Dry	
Length:	2.10				
Depth:	3.00				

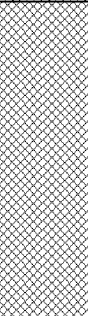
 Southern Testing ST Consult www.southerntesting.co.uk tel:01342 333100 www.stconsult.co.uk tel:01604 500020				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP301 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.25	ES			(0.15)		0.15	Soft greyish brown sandy gravelly CLAY. Gravel comprises fine to coarse angular flint, chalk and brick fragments. MADE GROUND		1		
				(0.35)			Soft dark greyish brown gravelly SILT/CLAY. Gravel comprises fine to coarse brick fragments, chalk and ash. MADE GROUND				
0.70	HP	UCS(kPa)=150		(1.00)		0.50	Firm (friable) reddish brown slightly sandy silty CLAY. Sand is fine.		2		
1.45	D HP	UCS(kPa)=130				1.50	Firm yellowish brown silty slightly sandy gravelly CLAY. Gravel comprises fine to medium subrounded flint and coarse angular to subangular flint (frost shattered flint). Sand is fine.				
1.70	HP	UCS(kPa)=150							3		
2.40	HP	UCS(kPa)=130		(1.80)							
2.90	D HP	UCS(kPa)=100					2.8m -3.3m: Becoming very silty and slightly gravelly. Slightly damp.		4		
3.10	HP	UCS(kPa)=160				3.30	Pit terminated at 3.30m.				
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.55		Pit stable				Dry on completion.				
Length:	1.90										
Depth:	3.30										

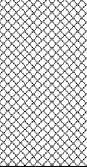
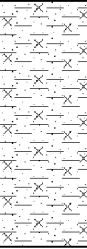
				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP302 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.10	ES	UCS(kPa)=180		(0.20)		0.20	Grass over soft dark brown silty gravelly CLAY. Gravel comprises fine to coarse subangular to angular brick, flint chalk and charcoal.		1		
0.25	ES			(0.25)		0.45	Firm (friable) dark greyish brown sandy gravelly CLAY. Gravel comprises angular to subangular brick, flint, chalk and charcoal.				
							MADE GROUND				
0.75	HP			(0.65)			Firm (friable) orangish/reddish brown slightly sandy silty CLAY. Sand is fine.				
0.90	D						1.10	Pit terminated at 1.08m.		4	
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.50		Pit stable				Dry on completion.				
Length:	1.80										
Depth:	1.10										

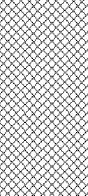
				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP303 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.30	ES			(0.10)		0.10	Grass over dark brown soft SILT/CLAY with roots.				
				(0.40)			Firm light and dark brown speckled black sandy gravelly CLAY with organic material. Gravel comprises fine to coarse brick, glass fragments, and flint. MADE GROUND				
				(0.75)		0.50	Soft to firm (friable) reddish brown slightly sandy silty CLAY. Sand is fine.				
					Pit terminated at 1.25m.						
Pit Dimension (m)			Pit Stability:					Water Strikes:			
Width:		0.50	Pit Stable					Dry on completion.			
Length:		2.00									
Depth:		1.25									

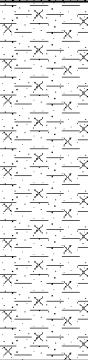
				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP304 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.20	ES	UCS(kPa)=150		(0.30)			Grass over dark brown very gravelly silty CLAY with roots and rare brick fragments.		1 2 3 4		
0.35	ES			(0.15)		0.30	Firm to stiff orangish brown slightly gravelly silty CLAY. Gravel comprises fine angular brick and flints fragments. MADE GROUND				
0.60	ES			(0.25)		0.45	Firm dark brown speckled black silty gravelly CLAY. With plastic and glass fragments. Gravel comprises fine to coarse brick, charcoal, wood and possible chalk. MADE GROUND				
0.90	HP			(0.60)		0.70	Firm (friable) reddish/orangish brown silty slightly sandy CLAY. Sand is fine.				
1.00	D						1.30	Pit terminated at 1.30m.			
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.50		Pit stable				Dry on completion.				
Length:	1.85										
Depth:	1.30										

 Southern Testing ST Consult www.southerntesting.co.uk tel:01342 333100 www.stconsult.co.uk tel:01604 500020				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP305 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.20	ES			(0.25)		0.25	Grass over soft dark greyish brown silty gravelly CLAY with roots. Gravel comprises fine to coarse angular flint. MADE GROUND		1		
0.35	ES			(0.30)		0.55	Firm (friable) dark greyish brown silty slightly sandy gravelly CLAY. Gravel comprises fine to medium chalk, organic material, roots and flint. MADE GROUND				
1.00	D			(0.65)		1.20	Firm (friable) orangish redish brown sandy SILT/CLAY. Sand is fine				
							Pit terminated at 1.20m.		4		
Pit Dimension (m)			Pit Stability:						Water Strikes:		
Width:	0.50		Pit Stable						Dry on completion.		
Length:	1.10										
Depth:	1.20										

				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP306 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.10	ES			(0.25)		0.25	Grass over greyish brown SILT/CLAY. Gravel comprises fine to coarse brick fragments and chalk fragments.		1 2 3 4		
0.40	ES			(1.95)			Variable made ground comprising fine to coarse brick, flint and charcoal, cobbles of flint, plastic sheeting, woods material, boulder sized concrete, and a car tyre. The material is contained with a clay matrix. MADE GROUND				
1.90	ES						1.1m - 2.3m: Western face only: Inferred orangish brown silty sandy CLAY.				
				(0.10)		2.20 2.30	Firm (friable) orangish brown silty sandy CLAY. Sand is fine. Pit terminated at 2.30m.				
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.65		Pit collapsing within made ground material. Underlying natural material is stable.				Dry on completion.				
Length:	2.10										
Depth:	2.30										

				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP307 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.25	ES	UCS(kPa)=180		(0.10)		0.10	Grass over greyish brown gravelly CLAY with roots.		1 2 3 4		
				(0.45)			Soft light to dark greyish brown slightly sandy gravelly CLAY. Gravel comprises fine to coarse flint, chalk brick fragments and rare pieces of metal.				
0.65	ES					0.55	Firm (friable) silty slightly sandy CLAY. Sand is fine.				
0.80	HP				(0.65)		1.20	Pit terminated at 1.20m.			
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:		0.50	Pit Stable				Dry on completion.				
Length:		1.90									
Depth:		1.20									

				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP308 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.30	ES	UCS(kPa)=190		(0.10)		0.10	Grass over silty gravelly CLAY with roots. Gravel comprises fine to coarse chalk. Firm silty sandy gravelly CLAY. Gravel comprises fine to coarse chalk, brick, flint and rare metal pieces.		1 2 3 4		
0.70	ES			(0.55)		0.65	Firm (friable) reddish orangish brown silty sandy CLAY. Sand is fine.				
1.00	HP			(0.55)		1.20	Pit terminated at 1.20m.				
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.50		Pit stable				Dry on completion.				
Length:	1.90										
Depth:	1.20										

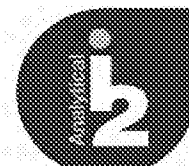
 Southern Testing ST Consult www.southerntesting.co.uk tel:01342 333100 www.stconsult.co.uk tel:01604 500020				Start - End Date: 10/03/2020		Project ID: J14366		Machine Type: JCB 3X		TP309 Sheet 1 of 1	
Project Name: Land South of Mayflower Way				Remarks:		Co-ordinates:		Level (m AOD):		Logger: JD	
Location: Angmering, West Sussex											
Client: Angmering Community Land Trust											
Samples and Insitu Testing			Level (m AOD)	Thickness (m)	Legend	Depth (m bgl)	Stratum Description				
Depth (m)	Type	Results									
0.25	ES			(0.25)		0.25	Grass over dark greyish brown silty gravelly CLAY with roots. Gravel comprise fine to coarse flint, chalk and charcoal.		1		
0.40	ES			(0.95)			Firm (friable) orangish/reddish brown silty sandy CLAY with rare fine to medium subangular flint. Sand is fine.				
0.60	ES							1.20	Pit terminated at 1.20m.		4
Pit Dimension (m)			Pit Stability:				Water Strikes:				
Width:	0.50		Pit stable				Dry on completion.				
Length:	2.00										
Depth:	1.20										



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///CERTS



Environmental Science

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Herts,
WD18 8YS

Analytical Report Number : 17-55680

Replaces Analytical Report Number : 17-55680, issue no. 1

Project / Site name:	Land South of Mayflower Way, Angmering	Samples received on:	27/07/2017
Your job number:	J13227	Samples instructed on:	27/07/2017
Your order number:	J13227-1	Analysis completed by:	10/08/2017
Report Issue Number:	2	Report issued on:	10/08/2017
Samples Analysed:	9 soil samples		

Signed:

Dr Irma Doyle
Senior Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting

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Analytical Report Number: 17-55680

Project / Site name: Land South of Mayflower Way, Angmering

Your Order No: J13227-1

Lab Sample Number	790201	790202	790203	790204	790205
Sample Reference	TP101	TP101	TP102	TP103	TP103
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.15	1.00	0.15	0.10	0.30
Date Sampled	24/07/2017	24/07/2017	24/07/2017	24/07/2017	24/07/2017
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	18	14
Total mass of sample received	kg	0.001	NONE	0.49	0.48
				0.45	0.43
				0.41	

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile	-	-	Chrysotile
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	-	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	< 0.001	-	-	< 0.001
Asbestos Quantification Total	%	0.001	ISO 17025	-	< 0.001	-	-	< 0.001

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.6	7.8	7.4	-	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	-	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.017	0.047	0.0076	-	0.0053
Sulphide	mg/kg	1	MCERTS	1.2	7.7	< 1.0	-	< 1.0
Organic Matter	%	0.1	MCERTS	4.6	3.3	4.5	-	2.4

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.18	0.21	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.79	0.67	0.54	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.28	0.37	0.17	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	2.3	2.9	1.6	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	2.2	2.8	1.6	-	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	1.9	0.87	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.2	1.6	0.78	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.2	1.9	0.97	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1.2	1.8	0.55	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.2	2.1	0.79	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.90	1.4	0.59	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.25	0.41	0.13	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.96	1.5	0.63	-	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	13.7	19.5	9.18	-	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.9	9.3	6.7	-	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.4	0.3	-	0.4
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	-	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	24	24	-	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	22	16	-	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	120	130	53	-	43
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	15	14	-	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	1.4	-	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	87	140	63	-	57

Pesticide and Herbicide Screen

Pesticides/Herbicides Screen in Soil	P/A	N/A	NONE	-	-	Absent	Absent	-
Organochlorine Pesticides (OCP)								
DDD	mg/kg	0.01	NONE	-	-	-	-	-
DDE	mg/kg	0.01	NONE	-	-	-	-	-

Analytical Report Number: 17-55680

Project / Site name: Land South of Mayflower Way, Angmering

Your Order No: J13227-1

Lab Sample Number	790206	790207	790208	790209	
Sample Reference	TP104	TP104	TP105	TP106	
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)	0.15	0.60	0.40	0.15	
Date Sampled	24/07/2017	24/07/2017	24/07/2017	24/07/2017	
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	12	15
Total mass of sample received	kg	0.001	NONE	0.45	0.46

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	7.6	7.6	6.6
Total Cyanide	mg/kg	1	MCERTS	-	< 1	< 1	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.016	0.011	0.022
Sulphide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Organic Matter	%	0.1	MCERTS	-	4.4	4.3	4.5

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	0.22	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	0.14	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	1.9	0.32
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	0.61	0.09
Fluoranthene	mg/kg	0.05	MCERTS	-	0.31	4.9	0.69
Pyrene	mg/kg	0.05	MCERTS	-	0.28	4.4	0.63
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.19	2.3	0.33
Chrysene	mg/kg	0.05	MCERTS	-	0.20	2.1	0.33
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	0.22	2.5	0.31
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	0.11	1.1	0.30
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	0.18	1.8	0.29
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.16	1.3	0.23
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	0.33	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.20	1.2	0.25

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	1.85	24.6	3.77
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	17	9.3	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.6	0.4	0.6
Chromium (hexavalent)	mg/kg	4	MCERTS	-	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	29	22	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	28	25	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	79	77	67
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	17	14	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	150	180	150

Pesticide and Herbicide Screen

Pesticides/Herbicides Screen in Soil	P/A	N/A	NONE	Present	-	-	-
Organochlorine Pesticides (OCP)							
DDD	mg/kg	0.01	NONE	0.04	-	-	-
DDE	mg/kg	0.01	NONE	0.14	-	-	-



Analytical Report Number: **17-55680**
Project / Site name: **Land South of Mayflower Way, Angmering**
Your Order No: **J13227-1**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
790202	TP101	1.00	142	Loose Fibres	Chrysotile	< 0.001	< 0.001
790205	TP103	0.30	114	Loose Fibres	Chrysotile	< 0.001	< 0.001

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



Analytical Report Number : 17-55680

Project / Site name: Land South of Mayflower Way, Angmering

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
790201	TP101	None Supplied	0.15	Light brown loam and clay with gravel and vegetation.
790202	TP101	None Supplied	1.00	Light brown clay and sand with gravel and vegetation.
790203	TP102	None Supplied	0.15	Light brown loam and clay with gravel and vegetation.
790204	TP103	None Supplied	0.10	Light brown loam and clay with gravel and vegetation.
790205	TP103	None Supplied	0.30	Light brown clay and sand with vegetation.
790206	TP104	None Supplied	0.15	Light brown loam and clay with gravel and vegetation.
790207	TP104	None Supplied	0.60	Brown loam and clay with gravel and vegetation.
790208	TP105	None Supplied	0.40	Brown loam and sand with gravel and vegetation.
790209	TP106	None Supplied	0.15	Brown loam and clay with gravel and vegetation.

Analytical Report Number : 17-55680

Project / Site name: Land South of Mayflower Way, Angmering

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in ouse method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
Organochlorine pesticides in soil	Determination of organochlorine pesticides in soil by GC-MS	In-house method		W	NONE
Pesticides and Herbicides in soil screening	In-house method	In-house method		W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

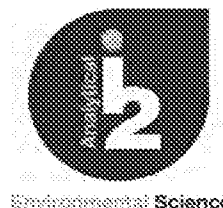
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.



Chris Lennard

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Keeble House
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RH19 4QA



i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

Analytical Report Number : 20-92982

Project / Site name:	Land South of Mayflower Way, Angmering	Samples received on:	16/03/2020
Your job number:	J14366	Samples instructed on:	16/03/2020
Your order number:	J14366-1	Analysis completed by:	25/03/2020
Report Issue Number:	1	Report issued on:	25/03/2020
Samples Analysed:	8 soil samples		

Karolina Marek
PL Head of Reporting Team

For & on behalf of i2 Analytical Ltd.

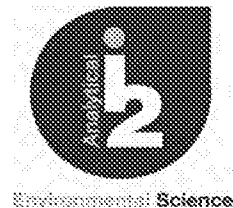
Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :	soils	- 4 weeks from reporting
	leachates	- 2 weeks from reporting
	waters	- 2 weeks from reporting
	asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.

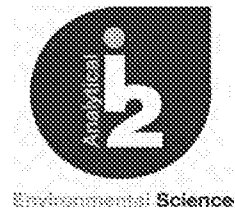


Analytical Report Number: 20-92982

Project / Site name: Land South of Mayflower Way, Angmering

Your Order No: J14366-1

Lab Sample Number				1474429	1474430	1474431	1474432	1474433
Sample Reference				TP301	TP302	TP303	TP304	TP305
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.25	0.25	0.30	0.60	0.35
Date Sampled				10/03/2020	10/03/2020	10/03/2020	10/03/2020	10/03/2020
Time Taken				0900	1000	1100	1200	1230
Analytical Parameter (Soil Analysis)	Units	Limit of Detection	Accreditation Status					
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected

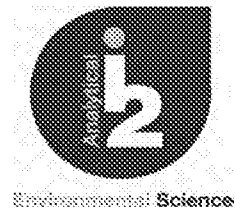


Analytical Report Number: 20-92982

Project / Site name: Land South of Mayflower Way, Angmering

Your Order No: J14366-1

Lab Sample Number				1474434	1474435	1474436		
Sample Reference				TP306	TP307	TP308		
Sample Number				None Supplied	None Supplied	None Supplied		
Depth (m)				0.40	0.25	0.30		
Date Sampled				10/03/2020	10/03/2020	10/03/2020		
Time Taken				1300	1400	1430		
Analytical Parameter (Soil Analysis)	Units	Limit of Detection	Accreditation Status					
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected		



Analytical Report Number : 20-92982

Project / Site name: Land South of Mayflower Way, Angmering

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.