



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

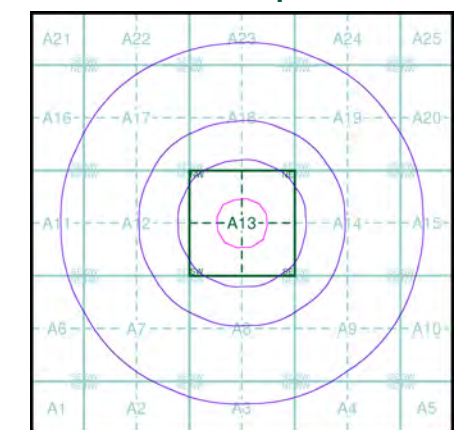
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
Search Buffer (m): 1000

Site Details

Ford Airfield, Ford Road, ARUNDEL, BN18 0FL



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk





General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

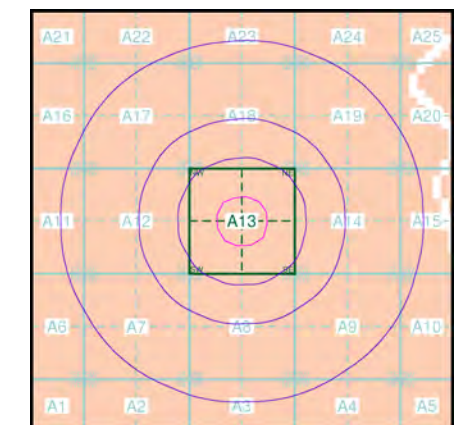
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

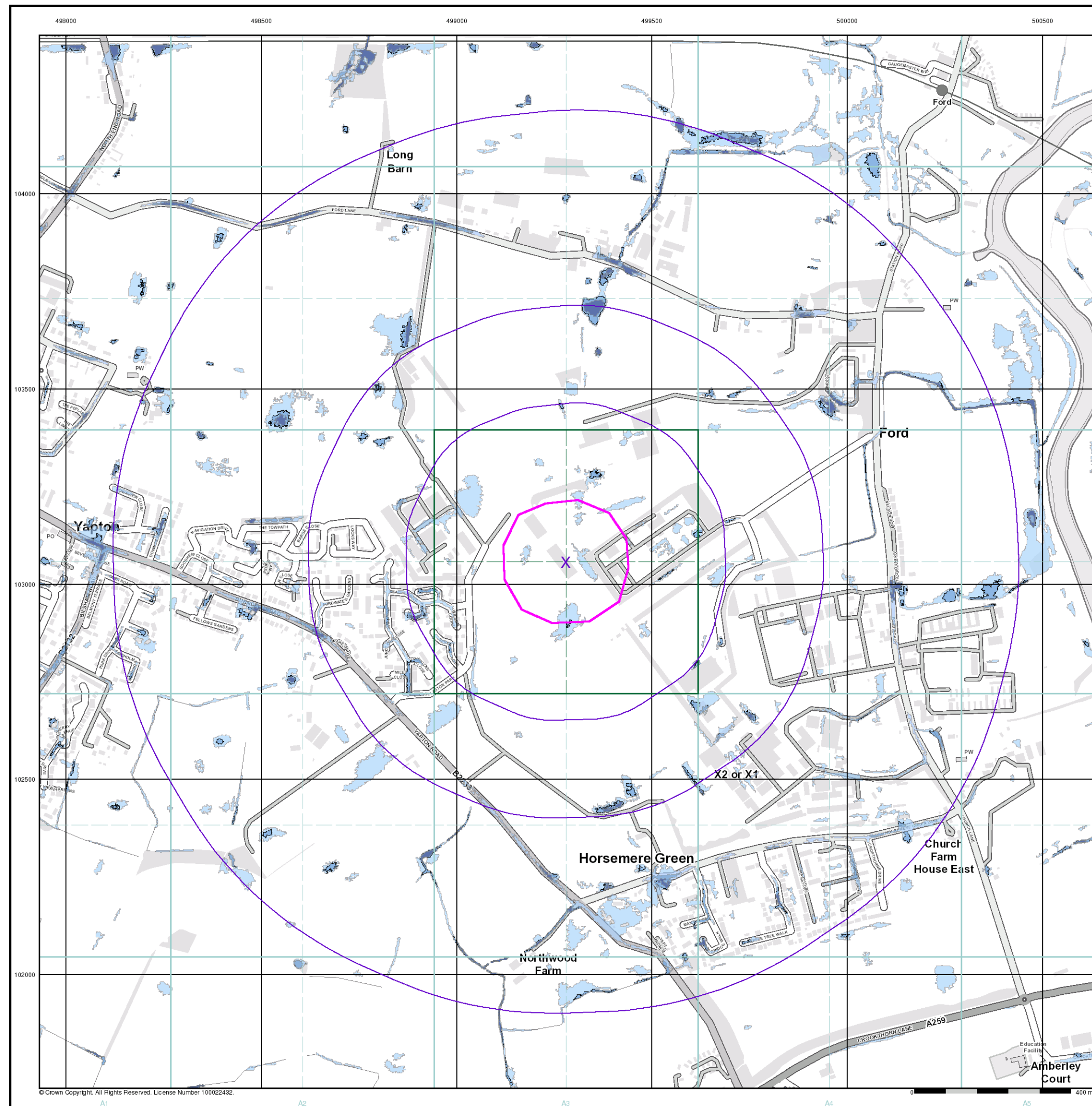
Order Number: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
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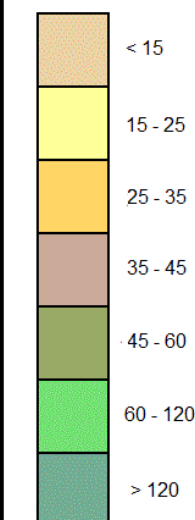


General

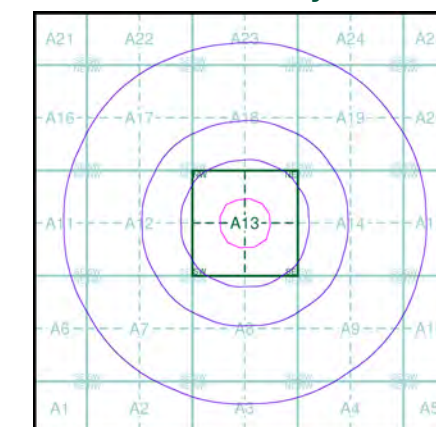
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
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Search Buffer (m): 1000

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Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



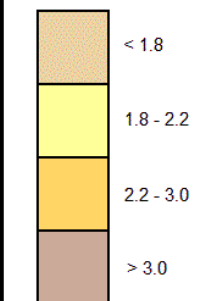


General

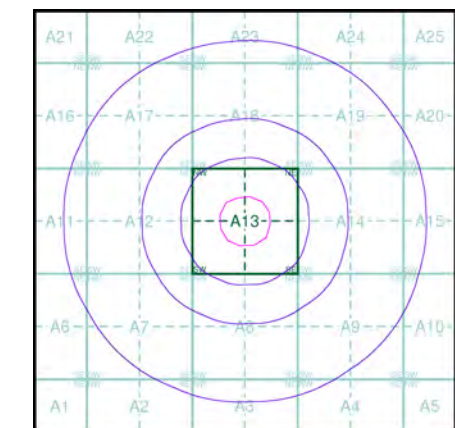
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
Search Buffer (m): 1000

Site Details

Ford Airfield, Ford Road, ARUNDEL, BN18 0FL



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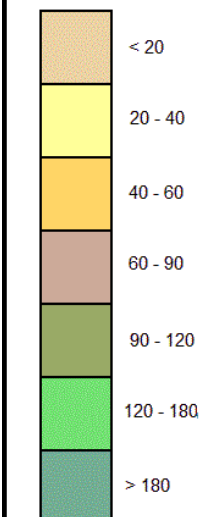


General

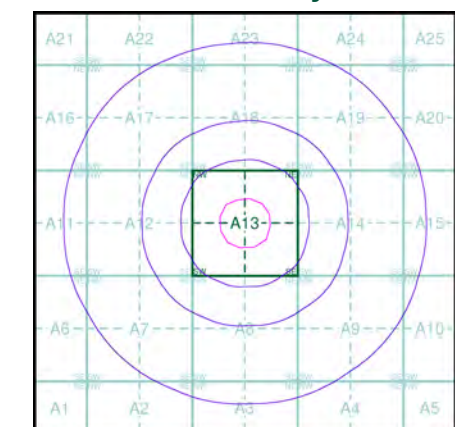
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

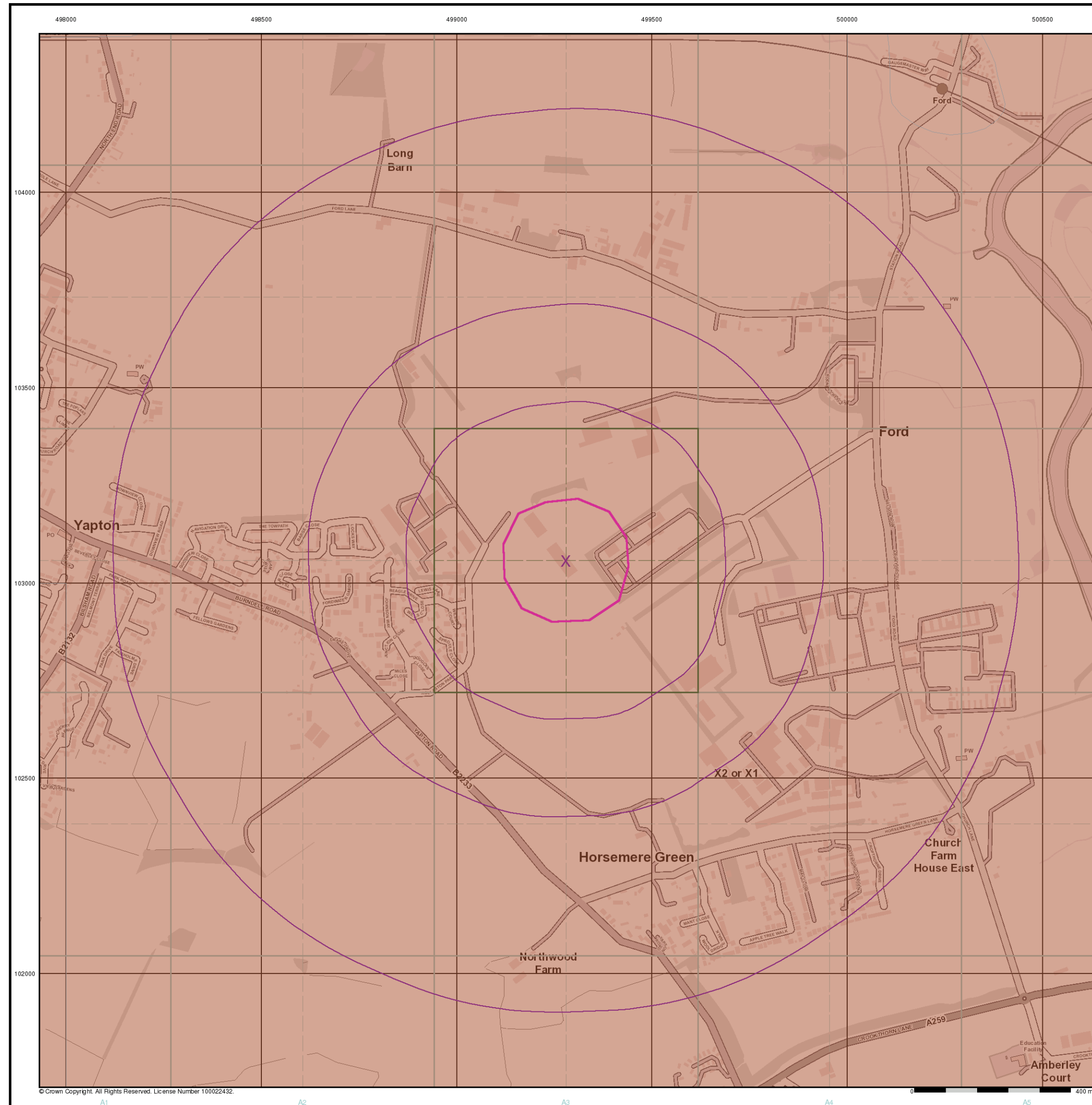
Order Details: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
Search Buffer (m): 1000

Site Details

Ford Airfield, Ford Road, ARUNDEL, BN18 0FL



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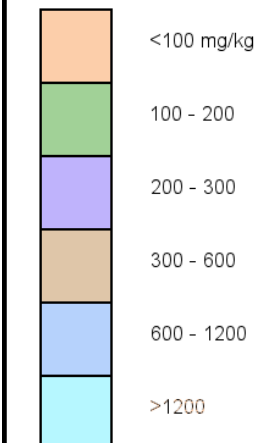


General

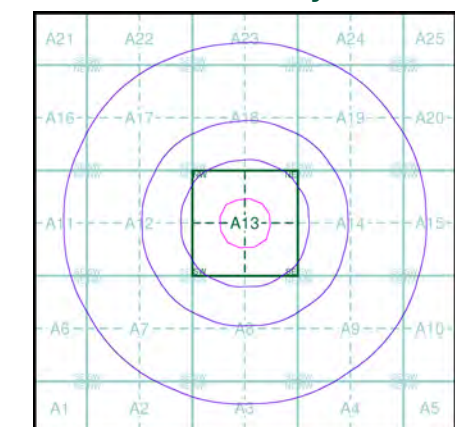
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
Search Buffer (m): 1000

Site Details

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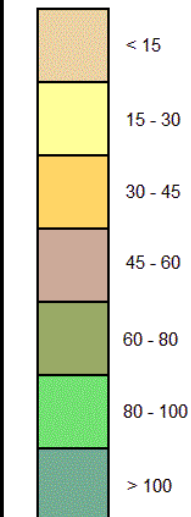


General

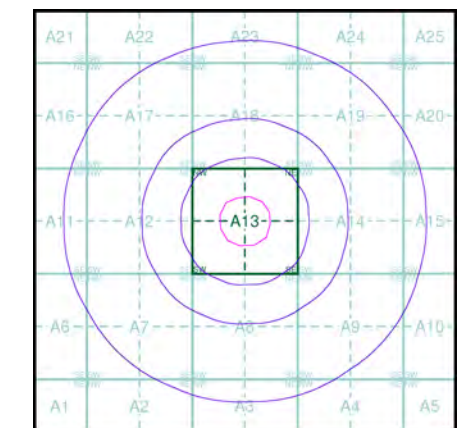
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Slice: A
Site Area (Ha): 8.11
Search Buffer (m): 1000

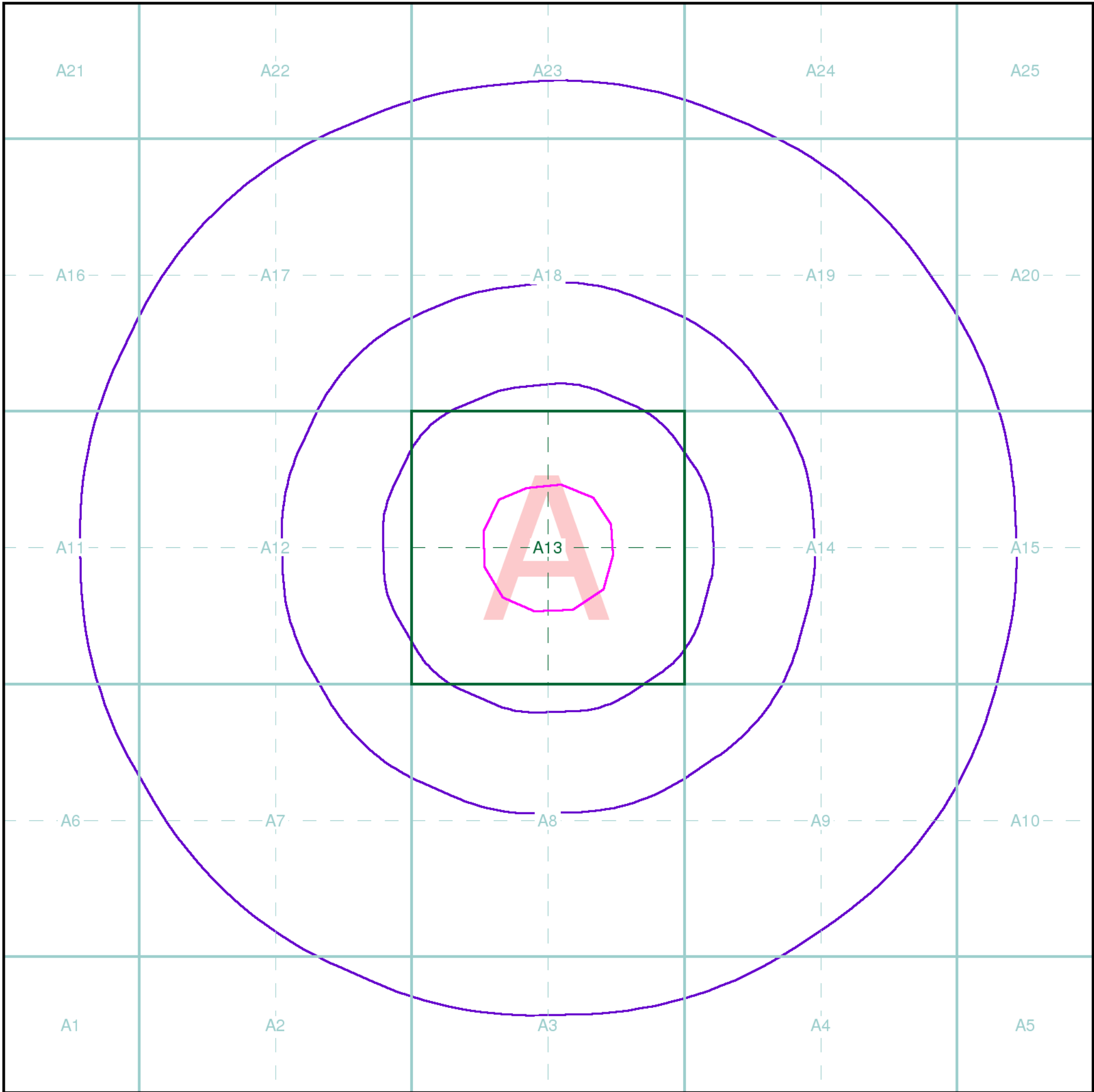
Site Details

Ford Airfield, Ford Road, ARUNDEL, BN18 0FL

Landmark
INFORMATION GROUP

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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Prepared For

RSK Environment Ltd

Client Details

Mr T Payne, RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT

Order Details

Order Number: 171435319_1_1
Customer Ref: 29228
National Grid Reference: 499280, 103060
Site Area (Ha): 8.11
Search Buffer (m): 1000

Site Details

Ford Airfield, Ford Road, ARUNDEL, BN18 0FL

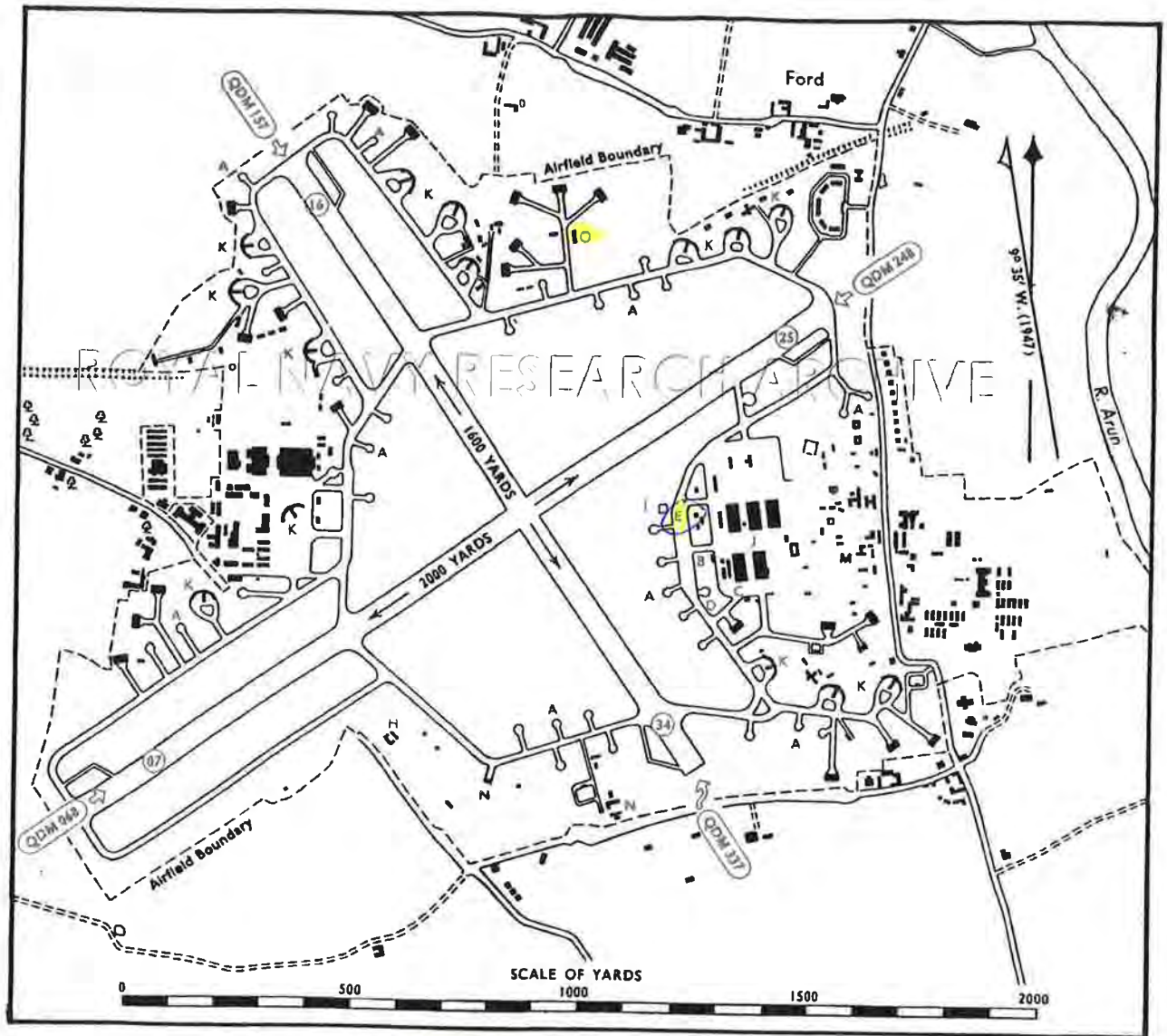
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



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APPENDIX C1

HISTORICAL MAPS



- | | | | |
|-----------------------|---------------------------|--------------------|--------------|
| A. Aircraft standings | E. Control building | I. Ground signals | M. Sick bay |
| B. Armoury | F. E.R.S. hangar | J. Hangers | N. Test butt |
| C. A.R.S. hangar | G. Equip: & Erect: hangar | K. Pans | O. Workshop |
| D. Compass base | H. Explosives area | L. Radar test base | P. Apron |

APPENDIX D

RISK ASSESSMENT METHODOLOGY

CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. Under CLR11, three stages of risk assessment exist: preliminary, generic quantitative and detailed quantitative. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) pollutant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment

- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- Very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required.
- High: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term.
- Moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term.
- Low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild.
- Very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

APPENDIX E

EXPLORATORY HOLE RECORDS



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH1
Contract Ref: 29228	Start: 13.08.18 End: 14.08.18	Ground Level: 5.15	National Grid Co-ordinate: E:499504.0 N:102349.1		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D				MADE GROUND: Gravel (road surface) over dark grey slightly gravelly CLAY. Gravel is fine to medium chalk and flint. (MADE GROUND)	4.75	0.40	
0.50	2	D				Firm orangish brown slightly sand slightly gravelly CLAY. Gravel is subangular fine flint.			
1.00	3	D				...sand and gravel content increasing with depth. (BRICKEARTH)			
1.20-1.65	1	SPT	1,0/1,1,1,1 N=4					(2.20)	
1.20-1.65	4	D							
1.75	5	D							
2.00-2.45	2	SPT	1,1/1,2,1,2 N=6						
2.00-2.45	6	D					2.55	2.60	
2.75	7	D				Firm becoming soft orangish brown / grey slightly gravelly sandy CLAY. Gravel is fine to coarse chalk clasts and flint. (BRICKEARTH)	2.15	3.00	
3.00-3.45	3	SPT	1,2/2,2,2,2 N=8			Loose saturated orangish brown / grey clayey SAND. (RIVER TERRACE DEPOSITS)			
3.00-3.45	8	D						(1.70)	
3.75	9	D							
4.00-4.45	4	SPT(c)	7,8/9,9,10,9 N=37				0.45	4.70	
4.00-4.45	10	D							
4.75	11	D				Weathered CHALK recovered as light brown / off-white gravelly SILT with fine to medium estimated low to medium density chalk clasts. (WHITE CHALK SUBGROUP)			
5.00-5.45	12	D					-0.85	6.00	
6.00-6.45	5	SPT(c)	8,7/5,5,5,5 N=20			Structureless CHALK recovered as off-white stained brown silty GRAVEL. Gravel is low to medium density chalk clasts (Class DC). (WHITE CHALK SUBGROUP)			
6.00	13	D							
6.50-6.95	6	SPT	6,7/5,13,21,19 N=58					(2.00)	
6.50-6.95	14	D							
7.50	15	D					-2.85	8.00	
8.00-8.45	7	SPT	5,7/13,10,9,11 N=43			Possible structured CHALK recovered as off-white occasionally stained brown fine to coarse medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)			
8.00-8.45	16	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									1. Inspection pit excavated to 1.2m 2. Borehole cleared of UXO using a down hole probe. 3. Groundwater strike recorded at 7.0m bgl. 4. Borehole installed with 2.0m plain and 9m slotted pipe,	
									All dimensions in metres	
									Scale: 1:50	
Method Used: Inspection pit + Cable percussion				Plant Used: Dando 2000			Drilled By: Trevor Cannon		Logged By: ATranter	
Checked By:							Checked By:			



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH1
Contract Ref: 29228	Start: 13.08.18 End: 14.08.18	Ground Level: 5.15	National Grid Co-ordinate: E:499504.0 N:102349.1		Sheet: 2 of 3

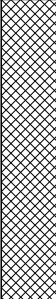
Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	17	D				Possible structured CHALK recovered as off-white occasionally stained brown fine to coarse medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 8.00m from previous sheet)			
9.50-9.95	8	SPT(c)	4,8/9,11,12,12 N=44						
9.50-9.95	18	D							
10.50	19	D							
11.00-11.45	9	SPT(c)	13,6/9,10,12,11 N=42						
11.00-11.45	20	D							
12.00	21	D							
12.50-12.95	10	SPT(c)	6,9/10,11,12,12 N=45						
12.50-12.95	22	D							
13.50	23	D							
14.00-14.45	11	SPT(c)	5,7/8,9,9,10 N=36					(12.00)	
14.00-14.45	24	D							
15.00	25	D							
15.50-15.85	12	SPT(c)	7,9/13,21,20 N:54 for 200mm						
15.50-15.95	26	D							
16.50	27	D							
17.00-17.30	13	SPT(c)	8,13/21,29 for 75mm						
17.00-17.45	28	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Inspection pit + Cable percussion						All dimensions in metres			Scale: 1:50
Plant Used: Dando 2000			Drilled By: Trevor Cannon			Logged By: ATranter	Checked By:		



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH1
Contract Ref: 29228	Start: 13.08.18 End: 14.08.18	Ground Level: 5.15	National Grid Co-ordinate: E:499504.0 N:102349.1		Sheet: 3 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
18.00	29	D	7,10/14,11,13,15 N=53			Possible structured CHALK recovered as off-white occasionally stained brown fine to coarse medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 8.00m from previous sheet)			
18.50-18.95	14	SPT(c)							
18.50-18.95	30	D							
19.00	31	D							
19.55-19.81	15	SPT(c)	14,18/27,24 for 62mm				-14.85	20.00	
19.55-20.00	32	D							
						Borhole ended at 20m bgl.			



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH2
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.29	National Grid Co-ordinate: E:499087.6 N:102524.2		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D				TOPSOIL: Very friable dark brown slightly sandy CLAY with roots occasional fine flint.	5.89	0.40	
0.50	2	D				Firm very friable orangish brown slightly sandy CLAY with occasional fine chalk clasts and flint gravel. (BRICKEARTH)	5.29	(0.60)	
1.00	3	D				Firm to stiff orangish brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium size flint gravel and chalk clasts. Strength of the soil decreasing with depth. (BRICKEARTH)			
1.20-1.65	1	SPT	4,4/3,3,2,2 N=10						
1.20-1.65	4	D							
1.75	5	D						(2.00)	
2.00-2.45	6	U							
2.75	7	D					3.29	3.00	
3.00-3.45	2	SPT	2,3/2,2,3,2 N=9			Soft light brown sandy silty CLAY. Gravel is fine to coarse flint gravel and chalk clasts. (BRICKEARTH)			
3.00-3.45	8	D						(1.70)	
3.75	9	D							
4.00-4.45	3	SPT(c)	18,10/0,0,21,23 N=44			... at 4.0m becoming slightly sandy gravelly CLAY. Gravel is fine to coarse flint and chalk clasts.	1.59	4.70	
4.00-4.45	10	B							
4.75	11	D				Structureless CHALK recovered as soft to firm off-white mottled light brown slight sandy gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP)			
5.00-5.45	4	SPT(c)	18,12/6,4,3,3 N=16						
5.00-5.45	12	D							
6.00	13	D							
6.50-6.95	5	SPT	4,4/5,5,4,5 N=19						
6.50-6.95	14	D							
7.50	15	D							
8.00-8.45	6	SPT	7,5/4,6,6,7 N=23					(7.30)	
8.00-8.45	16	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Inspection pit excavated to 1.2m bgl. 2. Borehole cleared of UXO using a down hole probe. 3. No groundwater stikes recorded. 4. Borehole installed with 4.0m plain and 7m slotted pipe.
									All dimensions in metres
									Scale: 1:50
Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000		Drilled By: Trevor Cannon		Logged By: ATranter		Checked By:		



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH2
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.29	National Grid Co-ordinate: E:499087.6 N:102524.2		Sheet: 2 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	17	D				Structureless CHALK recovered as soft to firm off-white mottled light brown slight sandy gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP) (stratum copied from 4.70m from previous sheet)			
9.50-9.95	7	SPT(c)	10,7/6,7,8,8 N=29						
9.50-9.95	18	D							
10.50	19	D							
11.00-11.45	8	SPT(c)	9,10/13,17,21,23 N=74						
11.00-11.45	20	D							
12.00	21	D					-5.71	12.00	
12.50-12.95	9	SPT(c)	8,9/10,10,12,10 N=42			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)			
12.50-12.95	22	D							
13.50	23	D							
14.00-14.45	10	SPT(c)	14,13/7,8,7,7 N=29						
14.00-14.45	24	D							
15.00	25	D							
15.50-15.95	11	SPT(c)	7,8/9,10,11,11 N=41					(8.00)	
15.50-15.95	26	D							
16.50	27	D							
17.00-17.45	12	SPT(c)	17,14/21,25,0,0 N=46						
17.00-17.45	28	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Inspection pit + Cable percussion						All dimensions in metres			Scale: 1:50
Plant Used: Dando 2000			Drilled By: Trevor Cannon			Logged By: ATranter		Checked By:	



Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
18.00	29	D	8,8/10,12,13,14 N=49 7,10/12,15,18,22 N=67			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) <i>(stratum copied from 12.00m from previous sheet)</i>			
18.50-18.95	13	SPT(c)							
18.50-18.95	30	D							
19.00	31	D							
19.50-19.95	14	SPT(c)							
19.55-20.00	32	D							
							-13.71	20.00	

ARUN DISTRICT CO



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH3
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 7.11	National Grid Co-ordinate: E:499044.6 N:103011.7		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D				TOPSOIL: Dark brown slightly sandy, slightly gravelly CLAY with roots. Gravel is fine to coarse flint gravel and chalk clasts and rare brick.	6.71	0.40	
0.50	2	D				Firm very friable brown slightly gravelly, slightly sandy CLAY. Gravel is fine to medium occasional coarse size flint. (BRICKEARTH)	6.11	(0.60)	
1.00	3	D				Firm orangish brown slightly sandy, slightly gravelly CLAY. Gravel is fine to coarse flint and chalk. (BRICKEARTH)		(1.00)	
1.20-1.65	1	SPT	3,2/2,1,1,2 N=6			... sand content increasing with depth and strength decreasing.			
1.20-1.65	4	D					5.11	2.00	
1.75	5	D							
2.00-2.45	6	U				Firm orangish brown slightly gravelly sandy CLAY. Gravel is fine to medium chalk clasts and flint. (BRICKEARTH)			
2.75	7	D						(2.00)	
3.00-3.45	2	SPT(c)	2,2/3,2,1,3 N=9						
3.00-3.45	8	D							
3.75	9	D					3.11	4.00	
4.00-4.45	3	SPT(c)	7,12/7,4,5,5 N=21			Structureless CHALK recovered as off-white / light brown gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP)			
4.00-4.45	10	D							
4.75	11	D							
5.00-5.45	4	SPT	6,5/4,5,5,6 N=20						
5.00-5.45	12	D							
6.00	13	D				... at approximately 6.0m bgl becoming silty GRAVEL (Class Dc).			
6.50-6.95	5	SPT	7,5/6,6,5,7 N=24					(5.00)	
6.50-6.95	14	D							
7.50	15	D							
8.00-8.45	6	SPT(c)	7,10/14,9,8,8 N=39						
8.00-8.45	16	D							
							-1.89	9.00	

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks		
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)			
									1. Inspection pit excavated to 1.2m bgl. 2. Borehole cleared of UXO using a down hole probe. 3. Groundwater stike recorded at 6.1m bgl. 4. Borehole installed with 4.0m plain and 7m slotted pipe.		
									All dimensions in metres		Scale: 1:50
Method Used: Inspection pit + Cable percussion				Plant Used: Dando 2000			Drilled By: Trevor Cannon		Logged By: ATranter		Checked By: 



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH3
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 7.11	National Grid Co-ordinate: E:499044.6 N:103011.7		Sheet: 2 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	17	D				Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)			
9.50-9.95	7	SPT(c)	14,17/12,10,17,18 N=57						
9.50-9.95	18	D							
10.50	19	D							
11.00-11.45	8	SPT(c)	8,9/10,12,10,10 N=42						
11.00-11.45	20	D							
12.00	21	D							
12.50-12.95	9	SPT(c)	7,10/10,14,18,19 N=61						
12.50-12.95	22	D							
13.50	23	D							
14.00-14.45	10	SPT(c)	7,9/10,12,7,7 N=36						
14.00-14.45	24	D						(11.00)	
15.00	25	D				... at 15.0m black speckells noted on the chalk clasts.			
15.50-15.95	11	SPT(c)	12,7/7,7,8,12 N=34						
15.50-15.95	26	D							
16.50	27	D							
17.00-17.45	12	SPT(c)	13,15/17,20,14,13 N=64						
17.00-17.45	28	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Inspection pit + Cable percussion						All dimensions in metres			Scale: 1:50
Plant Used: Dando 2000			Drilled By: Trevor Cannon			Logged By: ATranter		Checked By:	

[illegible]

Used:	Cable percussion	Used:	Dando 2000	By:	Cannon	By:		By:		AGS
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BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH4
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.56	National Grid Co-ordinate: E:499356.2 N:103007.6		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D				TOPSOIL: Grass over very friable dark brown slightly gravelly slight sandy CLAY with roots. Gravel is fine to medium flint.	6.16	0.40	
0.50	2	D				Firm brown slightly sandy CLAY with occasional fine flint. (BRICKEARTH)			
1.00	3	D							
1.20-1.65	4	C						(2.35)	
1.75	5	D							
2.00-2.45	1	SPT(c)	4,4/4,3,4,3 N=14						
2.00-2.45	6	D					3.81	2.75	
2.75	7	D				Firm orangish brown slightly gravelly sandy CLAY. Gravel is fine to coarse size angular to subrounded flint. (BRICKEARTH)			
3.00-3.45	2	SPT(c)	1,2/2,3,3,3 N=11			... sand content increasing with depth and reduction in strength.			
3.00-3.45	8	D				... at 3.0m bgl becoming gravelly sandy clay with chalk clasts and flint gravel.		(1.55)	
3.75	9	D							
4.00-4.45	3	SPT(c)	1,2/2,3,3,4 N=12				2.26	4.30	
4.00-4.45	10	D				Structureless CHALK recovered as off-white / light brown gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP)			
4.75	11	D							
5.00-5.45	4	SPT	3,3/7,8,12,5 N=32					(2.20)	
5.00-5.45	12	D							
6.00	13	D				... at approximately 6.0m becoming clayey gravel (Class Dc).			
6.50-6.95	5	SPT	5,6/5,6,5,6 N=22			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)	0.06	6.50	
6.50-6.95	14	D							
7.50	15	D							
8.00-8.45	6	SPT(c)	7,9/6,7,8,8 N=29						
8.00-8.45	16	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Inspection pit excavated to 1.2m bgl. 2. Borehole cleared of UXO using a down hole probe. 3. Groundwater stike recorded at 5.2m bgl. 4. Borehole installed with 4.0m plain and 7m slotted pipe.
Method Used: Inspection pit + Cable percussion						All dimensions in metres			Scale: 1:50
Plant Used: Dando 2000			Drilled By: Trevor Cannon			Logged By: ATranter		Checked By:	



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH4
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.56	National Grid Co-ordinate: E:499356.2 N:103007.6		Sheet: 2 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	17	D	7,12/14,8,7,9 N=38			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 6.50m from previous sheet)			
9.50-9.95	7	SPT(c)							
9.50-9.95	18	D							
10.50	19	D	6,5/6,6,7,7 N=26						
11.00-11.45	8	SPT(c)							
11.00-11.45	20	D							
12.00	21	D							
12.50-12.95	22	D							
13.50	23	D							
14.00-14.45	9	SPT(c)	13,6/7,8,10,11 N=36						
14.00-14.45	24	D							
15.00	25	D	9,10/11,12,11,12 N=46						
15.50-15.95	10	SPT(c)							
15.50-15.95	26	D							
16.50	27	D	12,14/18,21,16 for 50mm						
17.00-17.35	11	SPT(c)							
17.00-17.45	28	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		

[illegible]

ARUN DISTRICT COURT	Used: Cable percussion	Used: Dando 2000	By: Cannon	By: AGS
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BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH5
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 5.66	National Grid Co-ordinate: E:499724.9 N:103377.8		Sheet: 1 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	1	D				TOPSOIL: Very friable brown slightly gravelly sandy CLAY. Gravel is fine to medium size flint.	5.26	0.40	
0.50	2	B				Firm orangish brown slightly sandy CLAY. (BRICKEARTH)		(1.10)	
1.20-1.65	1	SPT	4,5/7,7,7,7 N=28				4.16	1.50	
1.20-1.65	3	D				Firm brown sandy CLAY with occasional fine flint gravel. (BRICKEARTH)		(1.50)	
1.75	4	D							
2.00-2.45	5	U				... at 2.4m becoming gravelly sandy CLAY with fine to coarse size chalk clasts and flint gravel.		(1.50)	
2.75	6	D					2.66	3.00	
3.00-3.45	2	SPT	2,3/2,3,2,3 N=10			Weathered CHALK composed of lightly brown / off-white gravelly silt CLAY. Gravel is fine to coarse low to medium density chalk clasts. (WHITE CHALK SUBGROUP)		(1.50)	
3.00-3.45	7	D							
3.75	8	D							
4.00-4.45	3	SPT	2,3/3,2,3,4 N=12				1.16	4.50	
4.00-4.45	9	D				Structureless CHALK recovered as off-white / light brown gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP) ... at approximately 5.0m becoming clayey GRAVEL (Class Dc).		(3.00)	
4.75	10	D							
5.00-5.45	4	SPT	3,4/6,3,4,4 N=17						
5.00-5.45	11	D							
6.00	12	D							
6.50-6.95	5	SPT	2,3/4,5,6,6 N=21						
6.50-6.95	13	D							
7.50	14	D					-1.84	7.50	
8.00-8.45	6	SPT	4,5/9,12,10,10 N=41			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)			
8.00-8.45	15	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
									1. Inspection pit excavated to 1.2m bgl. 2. Borehole cleared of UXO using a down hole probe. 3. Groundwater stike recorded at 4.0m bgl. 4. Borehole installed with 4.0m plain and 7m slotted pipe.
									All dimensions in metres
									Scale: 1:50
Method Used: Inspection pit + Cable percussion	Plant Used: Dando 2000		Drilled By: Trevor Cannon		Logged By: ATranter		Checked By:		



BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH5
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 5.66	National Grid Co-ordinate: E:499724.9 N:103377.8		Sheet: 2 of 3

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	16	D				Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 7.50m from previous sheet)			
9.50-9.95	7	SPT	4,6/6,9,13,10 N=38						
9.50-9.95	17	D							
10.50	18	D							
11.00-11.45	8	SPT	2,8/9,6,6,9 N=30						
11.00-11.45	19	D							
12.00	20	D							
12.50-12.95	9	SPT	5,7/10,11,10,10 N=41						
12.50-12.95	21	D							
13.50	22	D						(12.50)	
14.00-14.45	10	SPT	4,13/12,10,9,8 N=39						
14.00-14.45	23	D							
15.00	24	D							
15.50-15.95	11	SPT	5,7/12,13,13,13 N=51						
15.50-15.95	25	D							
16.50	26	D							
17.00-17.45	12	SPT	12,18/22,25,25,0 N=72						
17.00-17.45	27	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)	
Method Used: Inspection pit + Cable percussion						All dimensions in metres			Scale: 1:50
Plant Used: Dando 2000			Drilled By: Trevor Cannon			Logged By: ATranter	Checked By:		

[illegible]

Used:	Cable percussion	Used:	Dando 2000	By:	Cannon	By:		By:		AGS
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Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.50	2	D	4,6/5,4,3,15 N=27			TOPSOIL: Very friable brown slightly gravelly sandy CLAY. Gravel is fine to medium size flint.	6.54	0.30		
						Firm brown friable slightly gravelly sandy CLAY. Gravel is fine to medium size flint. (BRICEARTH)	5.84	(0.70)		
1.00	3	D				Firm very friable orangish brown slightly gravelly sandy CLAY. Gravel is predominantly fine to medium subrounded to sub angular flint and occasion fine chalk clasts. (BRICEARTH)		(1.50)		
1.20-1.65	4	U								
1.75	5	D								
2.00-2.45	1	SPT								
2.00-2.45	6	D				4.34	2.50			
2.75	7	D				Orangish brown gravelly clayey SAND. Gravel is angular fine to coarse flint. (RIVER TERRACE DEPOSITS) ... at 2.5m becoming mottled off white with chalk.		(1.00)		
3.00-3.45	2	SPT(c)								4,6/5,4,3,3 N=15
3.00-3.45	8	D								3.34
3.75	9	D	2,3/3,4,4,4 N=15			Structureless CHALK recovered as off-white / light brown gravelly SILT. Gravel is fine to coarse low to medium density chalk clasts. (Class Dm). (WHITE CHALK SUBGROUP)	2.84	4.00		
4.00-4.45	3	SPT				Structureless CHALK recovered as off-white stained brown GRAVEL of low to medium density chalk clasts in a silt melange. (Class Dc). (WHITE CHALK SUBGROUP)	1.84	5.00		
4.00-4.45	10	D								
4.75	11	D	6,5/5,7,6,5 N=23			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP)				
5.00-5.45	4	SPT								
5.00-5.45	12	D				... at 7.5m no silt and occasional flint gravel.				
6.00	13	D								
6.50-6.95	5	SPT	7,8/7,6,6,7 N=26							
6.50-6.95	14	D	7,7/8,9,9,10 N=36							
7.50	15	D								
8.00-8.45	6	SPT								
8.00-8.45	16	D								

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		
									1. Inspection pit excavated to 1.2m bgl. 2. Borehole cleared of UXO using a down hole probe. 3. Groundwater stike recorded at 5.9m bgl. 4. Borehole installed with 4.0m plain and 7m slotted pipe.	
									All dimensions in metres	
									Scale: 1:50	
Method Used: Inspection pit + Cable percussion		Plant Used: Dando 2000		Drilled By: Trevor Cannon		Logged By: ATranter		Checked By: 		



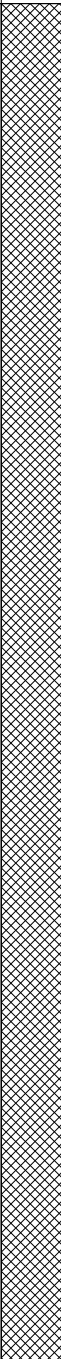
BOREHOLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Borehole: BH6
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.84	National Grid Co-ordinate: E:498826.6 N:103552.1		Sheet: 2 of 4

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
9.00	17	D	10,10/14,12,11,11 N=48			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 5.00m from previous sheet)			
9.50-9.95	7	SPT(c)							
9.50-9.95	18	D							
10.50	19	D	12,10/6,6,7,9 N=28						
11.00-11.45	8	SPT(c)							
11.00-11.45	20	D							
12.00	21	D	10,12/13,15,17,13 N=58						
12.50-12.95	9	SPT(c)							
12.50-12.95	22	D							
13.50	23	D	7,11/7,8,8,8 N=31						
14.00-14.45	10	SPT(c)							
14.00-14.45	24	D							
15.00	25	D	7,17/18,14,12,13 N=57						
15.50-15.95	11	SPT(c)							
15.50-15.95	26	D							
16.50	27	D	18,12/20,19 for 75mm					(25.00)	
17.00-17.25	12	SPT(c)							
17.00-17.45	28	D							

Boring Progress and Water Observations						Chiselling / Slow Progress			General Remarks	
Date	Time	Borehole Depth	Casing Depth	Borehole Diameter (mm)	Water Depth	From	To	Duration (hh:mm)		



Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
18.00	29	D	7,13/13,15,18,21 N=67			Possible structured CHALK recovered as off-white occasionally speckled dark brown GRAVEL of medium density chalk clasts in a silt melange. (WHITE CHALK SUBGROUP) (stratum copied from 5.00m from previous sheet)			
18.50-18.95	30	D							
19.00	31	D							
19.55-20.00	13	SPT(c)							
19.95-20.00	32	D							

ARUN DISTRICT COURT	Used: Cable percussion	Used: Dando 2000	By: Cannon	By: AGS
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[illegible]

Used:	Cable percussion	Used:	Dando 2000	By:	Cannon	By:		By:		AGS
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WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS1
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 4.80	National Grid Co-ordinate: E:499454.4 N:102344.7		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.20	ES1	ES				TOPSOIL: Brown gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. . . . becoming clayey with depth	4.50	0.30	
	0.80	ES2	ES				Soft to firm light brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.70)	
	1.20-1.65	1	SPT	1,2/1,2,1,2 N=6						
	1.50	D1	D					2.80	2.00	
	2.00-2.45	2	SPT	2,2/2,2,2,3 N=9			Firm light brown mottled orange and grey slightly gravelly slightly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(0.70)	
	2.80	D3	D				Soft brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium intact chalk fragments. Chalk is weak, low density. (BRICKEARTH)	2.10	2.70	
	3.00-3.45	3	SPT	2,3/2,1,2,2 N=7				1.60	3.20	
	4.00-4.45	4	SPT	5,5/6,5,6,6 N=23			Brown gravelly medium to coarse SAND. Gravel is subangular fine chalk and flint. (RIVER TERRACE DEPOSITS)		(1.25)	
							Window sample hole terminated at 4.45 m bgl.	0.35	4.45	

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 3.50 m bgl; 0.50 m plain with bentonite, 3.00 m slotted with 10 mm gravel. 3. Groundwater encountered at 3.20 m bgl.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:31	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:		



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS2
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 6.42	National Grid Co-ordinate: E:499153.6 N:102569.2		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							TOPSOIL: Friable brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint.	6.22	0.20	
	0.50	ES1	ES				Firm friable light brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine flint. (BRICKEARTH)		(0.80)	
	0.80	D1	D					5.42	1.00	
	1.00	ES2	ES				Firm brown slightly sandy CLAY. (BRICKEARTH)			
	1.20-1.65	1	SPT	1,2/2,2,2,2 N=8						
	1.50	D2	D						(1.30)	
	2.00-2.45	2	SPT	1,2/2,2,1,2 N=7 c _u =67				4.12	2.30	
	2.00	V								
	2.30	D3	D				Soft brown slightly gravelly sandy CLAY. Sand is medium. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	3.62	2.80	
	3.00-3.45	3	SPT	1,2/1,2,2,2 N=7			Brown gravelly medium to coarse SAND. Gravel is subangular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS)	3.02	3.40	
	3.50	D4	D				Weathered CHALK recovered as gravelly very sandy CLAY. Sand is medium. Gravel is subangular to subrounded fine to medium intact chalk fragments. (Grade Dm). (WHITE CHALK SUBGROUP)		(1.60)	
	4.00-4.45	4	SPT	7,7/8,8,9,9 N=34				1.42	5.00	
	4.50	D5	D						(0.45)	
	5.00-5.45	5	SPT	10,11/11,11,11,12 N=45			Structureless CHALK recovered as off-white sandy clayey subangular to subrounded fine to medium GRAVEL intact chalk fragments. Sand is medium. Chalk is medium density, moderately weak. (Grade Dc) (WHITE CHALK SUBGROUP)	0.97	5.45	
							Window sample hole terminated at 5.45 m bgl.			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 3.50 m bgl; 0.50 m plain with bentonite, 3.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:33	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:		



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS3
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: ---	National Grid Co-ordinate: ---		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.30	ES1	ES				Friable brown slightly gravelly slightly clayey sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. Contains roots		0.20	
	0.80	ES2	ES				Firm friable light brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. Contains fine rootlets (BRICKEARTH)		0.50	
	1.20-1.65	1	SPT	1,2/1,2,1,2 N=6			Firm to soft orangish brown sandy CLAY. (BRICKEARTH)			
	1.30	D1	D						(2.10)	
	1.80	D2	D							
	2.00-2.45	2	SPT	1,1/1,1,1,2 N=5						
	2.00		V	c _u =120						
	2.60	D3	D						2.60	
	3.00-3.45	3	SPT	1,2/1,2,2,3 N=8			Orangish brown slightly clayey medium SAND with fine flint gravel. Field observations indicate this material is loose (RIVER TERRACE DEPOSITS)			
	3.50	D4	D				... clayey band between 3.30 m and 3.50 m bgl		(1.30)	
	4.00-4.45	4	SPT	5,5/5,5,6,7 N=23			Structureless CHALK recovered as sandy gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium intact chalk fragments and flint. Matrix is semi-compact. Chalk is moderately strong medium density. (Grade Dm) (WHITE CHALK SUBGROUP)		3.90	
	4.40	D5	D				... flint cobbles at 3.90 m bgl		(1.55)	
	5.00-5.45	5	SPT	5,5/5,5,7,7 N=24					5.45	
							Window sample hole terminated at 5.45 m bgl			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 1.50 m bgl; 0.50 m plain with bentonite, 1.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:33	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:		



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS4
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 6.38	National Grid Co-ordinate: E:499063.2 N:102861.5		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							TOPSOIL: Friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.08	0.30	
	0.40	ES1	ES				Firm friable light brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	5.78	0.60	
	1.00	ES2	ES				Soft to firm brown and orange brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)			
	1.20-1.65	1	SPT	1,1/2,1,2,1 N=6			... flint cobbles at 1.60 m bgl ... black inclusions from 1.70 m bgl		(2.30)	
	1.80	D2	D							
	2.00-2.45	2	SPT	1,2/2,1,2,2 N=7 c _u =140						
	2.00		V							
	2.50	D3	D					3.48	2.90	
	3.00-3.45	3	SPT	2,2/2,2,3,2 N=9 c _u =220			Weathered CHALK composed of brown clay with occasional pockets of off-white sandy gravelly clay. Sand is medium. Gravel is subangular to subrounded fine chalk. (WHITE CHALK SUBGROUP)		(0.80)	
	3.00		V							
	3.40	D4	D					2.68	3.70	
	4.00-4.45	4	SPT	4,5/5,5,6,6 N=22			Structureless CHALK recovered as sandy clayey subangular to subrounded fine to medium GRAVEL flint and intact chalk. Sand is medium to coarse. Chalk is moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)		(1.75)	
	4.50	D5	D							
	5.00-5.45	5	SPT	6,6/7,7,7,7 N=28				0.93	5.45	
							Window sample hole terminated at 5.45 m bgl			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 4.00 m bgl; 0.50 m plain with bentonite, 3.50 m slotted with 10 mm gravel. 3. No groundwater encountered.			
						All dimensions in metres		Scale:	1:33
Method Used: Inspection pit + Tracked window sampling	Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon	Logged By: ADenton	Checked By:			



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS5
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 6.84	National Grid Co-ordinate: E:499537.8 N:103246.0		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.20	ES1	ES				TOPSOIL: Light brown slightly gravelly sandy CLAY. Sand is fine to medium	6.54	0.30	
	0.60	ES2	ES				Firm friable light orangish brown slightly gravelly slightly clayey sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine flint. (BRICKEARTH)	5.64	(0.90)	
	1.20-1.65	1	SPT	1,2/2,2,2,2 N=8			Firm orangish brown slightly gravelly sandy CLAY with black inclusions. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	5.44	1.20	
	2.00-2.45	2	SPT	6,7/6,7,7,8 N=28 c _u =160			Firm light brown mottled greyish brown sandy CLAY. (BRICKEARTH)	5.14	1.70	
	2.00	V					Firm to stiff orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	4.64	2.20	
	2.30	D2	D				Loose to medium dense orangish brown SAND with rare fine to medium flint. (RIVER TERRACE DEPOSITS)		(1.40)	
	3.00-3.45	3	SPT	2,3/3,2,2,2 N=9				3.24	3.60	
	3.60	D3	D				Structureless CHALK of sandy clayey subangular to subrounded fine to medium GRAVEL chalk. Chalk is moderately weak low density. (Grade Dc) (WHITE CHALK SUBGROUP) ... flint band at 3.60 m bgl		(1.85)	
	4.00-4.45	4	SPT	6,7/7,7,8,8 N=30						
	4.50	D4	D							
	5.00-5.45	5	SPT	3,4/4,4,5,4 N=17				1.39	5.45	
							Window sample hole terminated at 5.45 m bgl			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 3.50 m bgl; 0.50 m plain with bentonite, 3.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:33	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:		



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS6
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 6.55	National Grid Co-ordinate: E:499309.3 N:103304.6		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint.	6.35	0.20	
	0.50	ES1	ES				Firm friable light brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	6.05	0.50	
	1.00 1.10 1.20-1.65	D1 ES2 1	D ES SPT	1,2/2,2,1,2 N=7			Firm orangish brown sandy CLAY. (BRICKEARTH) ... black inclusions from 0.80 m bgl			
	2.00-2.45	2	SPT	2,2/2,3,3,4 N=12						
	2.50	D2	D				... flint cobbles at 2.40 m and 2.60 m bgl			
	3.00-3.45	3	SPT	1,2/1,2,1,1 N=5			... becoming soft and very sandy at 3.00 m bgl	3.45	3.10	
							Orangish brown slightly clayey medium to coarse SAND. (RIVER TERRACE DEPOSITS)	3.25	3.30	
	3.60	D3	D				Soft orangish brown very sandy CLAY. (RIVER TERRACE DEPOSITS)	2.95	3.60	
	4.00-4.45	4	SPT	3,4/4,4,4,4 N=16			Weathered CHALK composed of sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium chalk. (WHITE CHALK SUBGROUP)		(0.90)	
	4.50	D4	D					2.05	4.50	
	5.00-5.45	5	SPT	6,6/7,5,4,7 N=23			Structureless CHALK recovered as sandy subangular to subrounded fine to medium GRAVEL chalk. Sand is medium to coarse. Chalk is high density moderately weak. (Grade Dc) (WHITE CHALK SUBGROUP)		(0.95)	
								1.10	5.45	
							Window sample hole terminated at 5.45 m bgl			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 3.50 m bgl; 0.50 m plain with bentonite, 3.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
						All dimensions in metres		Scale:	1:33
Method Used: Inspection pit + Tracked window sampling	Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon	Logged By: ADenton	Checked By:			



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS7
Contract Ref: 29228	Start: 07.08.18 End: 07.08.18	Ground Level: 6.91	National Grid Co-ordinate: E:499445.9 N:103467.4		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							MADE GROUND: Very friable brown slightly gravelly slightly sandy CLAY. Gravel is subangular to rounded medium to coarse flint. (Topsoil)	6.71	0.20	
							MADE GROUND: Orangish brown slightly gravelly slightly sandy CLAY. Gravel is fine to coarse flint, brick and occasional slate. (BRICKEARTH)	6.11	0.80	
	1.20-1.65	1	SPT	2,2/1,2,2,2 N=7			Firm brown and orangish brown sandy CLAY with occasional rootlets. (BRICKEARTH)		(1.00)	
								5.11	1.80	
	2.00-2.45	2	SPT	3,3/3,4,3,4 N=14			Orangish brown slightly clayey SAND with occasional roots. (RIVER TERRACE DEPOSITS)	4.81	2.10	
							Weathered CHALK composed of firm brown mottled off-white gravelly SILT. Gravel is angular to subangular fine to coarse medium density chalk and flint. (WHITE CHALK SUBGROUP)		(1.20)	
	3.00-3.45	3	SPT	6,7/7,7,7,8 N=29				3.61	3.30	
							Structureless CHALK composed of off-white and brown gravelly SILT. Gravel is subangular to angular low density chalk clasts and flint. (Class DC) (WHITE CHALK SUBGROUP)		(2.13)	
	4.00-4.45	4	SPT	8,8/8,9,9,9 N=35			... occasionally mottled brown from 4.50m to 4.80m depth			
	5.00-5.43	5	SPT	9,9/10,14,15,11 N:50 for 280mm				1.48	5.43	
							Window sample hole terminated at 5.43m depth.			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 3.50 m bgl; 0.50 m plain with bentonite, 3.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:33	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ATranter		Checked By:		



Contract:		Client:		Window Sample:
Ford Airfield		Wates / Redrow		WS8
Contract Ref:	Start: 08.08.18	Ground Level:	National Grid Co-ordinate:	Sheet:
29228	End: 08.08.18	7.24	E:498937.5 N:103253.8	1 of 1

Progress	Samples / Tests				Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
	0.30	ES1	ES				POSSIBLE MADE GROUND: Brown slightly gravelly slightly clayey fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. (Topsoil).	6.89	(0.35) 0.35	
	0.50	ES2	ES				POSSIBLE MADE GROUND: Firm brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint and rare brick. ... plastic noted in side wall at 0.40 m bgl ... piece of clay land drain at and becoming sandy clay at 0.50 m bgl ... slightly sandy clay at 1.00 m bgl		(1.65)	
	1.20-1.65	1	SPT	1,1/1,2,1,2 N=6			... becoming very sandy from 1.70 m bgl			
	1.80	D2	D					5.24	2.00	
	2.00-2.45	2	SPT	2,2/2,2,2,3 N=9			Firm orangish brown mottled grey slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (BRICEARTH)			
	2.00		V	c _u =140						
	2.50	D3	D				... becoming very sandy from 2.70 m bgl		(1.50)	
	3.00-3.45	3	SPT	2,2/2,2,3,3 N=10			... sandy from 3.00 m to 3.50 m bgl			
	3.00		V	c _u =180						
	3.40	D4	D					3.74	3.50	
							Orangish brown slightly gravelly fine SAND. Gravel is subangular to subrounded fine to medium flint.	3.54	3.70	
							(RIVER TERRACE DEPOSITS)	3.44	3.80	
	4.00-4.45	4	SPT	9,10/9,9,9,10 N=37			Soft orangish brown gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS)			
	4.10	D5	D				Structureless CHALK of off-white to yellowish white sandy clayey subangular to subrounded fine to medium GRAVEL intact chalk. Sand is fine to medium. Chalk is moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)		(1.65)	
	5.00-5.45	5	SPT	2,2/3,2,2,2 N=9						
								1.79	5.45	
							Window sample hole terminated at 5.45m depth.			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)				
						1. Inspection pit hand dug to 1.20 m bgl. 2. Standpipe installed to 2.80 m bgl; 0.80 m plain with bentonite, 2.00 m slotted with 10 mm gravel. 3. No groundwater encountered.			
						All dimensions in metres	Scale:	1:33	
Method Used: Inspection pit + Tracked window sampling		Plant Used: Premier Tracker 110		Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:	



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS9
Contract Ref: 29228	Start: 08.08.18 End: 08.08.18	Ground Level: 7.30	National Grid Co-ordinate: E:499017.7 N:103462.3		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							TOPSOIL: Friable brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint.	7.05	0.25	
	0.40	ES1	ES				Firm friable orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel subangular to subrounded fine to medium flint. (BRICKEARTH)	6.80	0.50	
	0.80	ES2	ES				Firm brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)			
	1.00	D1	D				... grey mottling and black inclusions from 1.30m depth			
	1.20-1.65	1	SPT	1,2/1,2,2,2 N=7						
	1.60	D2	D						(2.70)	
	2.00-2.45	2	SPT	1,2/2,2,2,2 N=8			... becoming orangish with ??? mottling at 2.3m depth			
	2.00	V	V	c _u =>108			... sand lenses noted at 2.50m, 2.70m and 2.90m depth			
	2.30	D3	D							
	2.70	D4	D							
	3.00-3.45	3	SPT	1,2/1,1,1,2 N=5				4.10	3.20	
							Soft brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(0.40)	
								3.70	3.60	
							Very soft brown very sandy CLAY. Sand is fine to medium. (BRICKEARTH)	3.40	3.90	
	4.00-4.45	4	SPT	3,2/3,3,3,3 N=12			Structureless CHALK recovered as off-white sandy gravelly CLAY. Sand is medium to coarse. Gravel is subangular to subrounded fine to medium chalk fragments. Chalk is moderately strong high density. (Grade Dm) (WHITE CHALK SUBGROUP)			
	4.50	D5	D						(1.55)	
	5.00-5.45	5	SPT	5,5/6,5,6,6 N=23						
								1.85	5.45	
							Window sample hole terminated at 5.45m depth.			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20m depth. 2. Standpipe installed to 2.80 m bgl; 0.80 m plain with bentonite, 2.00 m slotted with 10 mm gravel. 3. No groundwater encountered			
						All dimensions in metres		Scale:	1:33
Method Used: Inspection pit + Tracked window sampling	Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon	Logged By: ADenton	Checked By:			



WINDOW SAMPLE LOG

Contract: Ford Airfield			Client: Wates / Redrow		Window Sample: WS10
Contract Ref: 29228	Start: 08.08.18 End: 08.08.18	Ground Level: 6.66	National Grid Co-ordinate: E:498885.9 N:103879.5		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results						
							TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.36	0.30	
	0.40	ES1	ES				Firm light brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.20)	
	0.90	ES2	ES							
	1.10	D1	D							
	1.20-1.65	1	SPT	3,3/4,4,5,5 N=18				5.16	1.50	
	1.60	D2	D				Orangish brown gravelly slightly clayey fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint. Soil determined to be medium dense from field observations (BRICKEARTH)	4.76	1.90	
	2.00-2.45	2	SPT	3,3/3,4,4,4 N=15			... becoming more sandy with depth			
	2.40	D3	D				Orangish brown gravelly fine to medium SAND. Gravel is subangular fine to medium flint. Soil determined to be medium dense from field observations (BRICKEARTH)		(1.40)	
	3.00-3.45	3	SPT	9,10/9,8,7,8 N=32				3.36	3.30	
	3.40	D4	D				Structureless CHALK recovered as off white sandy clayey subangular to subrounded fine to medium GRAVEL intact chalk fragments with occasional flint. Sand is medium. Chalk is moderately weak medium density. (Grade Dc) (WHITE CHALK SUBGROUP)			
	4.00-4.45	4	SPT	6,7/7,7,6,7 N=27					(2.15)	
	4.40	D5	D				... band of strong high density solid chalk at 4.50m depth			
							... band of flint at 4.80m depth			
	5.00-5.45	5	SPT	4,5/4,4,5,5 N=18				1.21	5.45	
							Window sample hole terminated at 5.45m depth.			

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20m bgl. 2. Standpipe installed to 2.80 m bgl; 0.80 m plain with bentonite, 2.00 m slotted with 10 mm gravel. 3. No groundwater encountered			
Method Used: Inspection pit + Tracked window sampling						All dimensions in metres		Scale: 1:33	
Plant Used: Premier Tracker 110			Drilled By: Trevor Cannon		Logged By: ADenton		Checked By:		

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP1		
Contract Ref: 29228		Start: 20.08.18 End: 20.08.18	Ground Level: 4.95		National Grid Co-ordinate: E:499345.9 N:102317.3		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse flint.	4.65	(0.30)	
0.60	ES2	ES				Brown slightly gravelly sandy CLAY. Sand is medium. Gravel is subangular to subrounded fine to coarse flint. (BRICKEARTH)		(1.10)	
1.00	D1	D				. . . shell at 1.00 m bgl	3.55	1.40	
1.50	D2	D				Grey mottled brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to coarse with occasional cobble of flint and chalk. (BRICKEARTH)		(0.80)	
2.00	D3	D					2.75	2.20	
						Weathered CHALK recovered as sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium. Chalk is low density chalk clasts. (WHITE CHALK SUBGROUP)		(0.50)	
						Trial pit terminated at 2.70 m bgl.	2.25	2.70	

General Remarks

1. UXO scan undertaken from ground level.
2. Trial pit unstable beyond 2.60 m bgl.
3. Slow water seepage at 2.60 m bgl.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By:	
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TRIAL PIT LOG

Contract:			Client:			Trial Pit:		
Ford Airfield			Wates / Redrow			TP2		
Contract Ref:		Start: 20.08.18	Ground Level:		National Grid Co-ordinate:		Sheet:	
29228		End: 20.08.18	5.69		E:499237.1 N:102377.6		1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	ES1	ES				TOPSOIL: Brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	5.39	(0.30)	
						Brown very sandy CLAY with occasional subangular to subrounded fine to medium flint. (BRICKEARTH)	4.89	(0.50)	
1.00	D1	D	$c_u=81$			Brown mottled orange sandy CLAY. (BRICKEARTH)		(1.60)	
1.00		V							
1.50	D2	D	$c_u=63$						
1.50		V							
2.00	D3	D	$c_u=81$						
2.00		V							
2.50	D4	D				Soft grey mottled brown sandy CLAY. (BRICKEARTH)	3.29	(0.80)	
							2.49	3.20	
Trial pit terminated at 3.20 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. Seepage at base of pit.
4. Arisings moist at 3.00 to 3.20.
5. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By:





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP3		
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 5.55		National Grid Co-ordinate: E:499390.4 N:102476.1		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				TOPSOIL: Vegetation over brown slightly gravelly sandy CLAY.	5.40	0.15	
0.50	D1	D				Friable light brown CLAY. (BRICKEARTH)		(0.85)	
0.50	ES2	ES							
1.00	ES3	ES				Orangish brown mottled bluish grey sandy gravelly CLAY. Gravel is rounded fine to medium chalk and occasional fine to coarse flint. (BRICKEARTH)	4.55	1.00	
1.50	D2	D						(2.00)	
							2.55	3.00	
Trial pit terminated at 3.00 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By:	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP4	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.33	National Grid Co-ordinate: E:499411.8 N:102631.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Dark brown sandy CLAY.	6.18	0.15	
0.50	ES2	ES				Friable brown sandy CLAY with occasional fine to medium chalk gravel clasts. (BRICKEARTH)			
1.00	D1	D				. . . non friable at 1.00 m depth			
								(2.85)	
							3.33	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By:	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP5	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.26	National Grid Co-ordinate: E:499532.5 N:102630.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				TOPSOIL: Vegetation over friable orangish brown sandy clay with rootlets. Sand is fine.	5.96	(0.30)	
0.50	ES2	ES				Brown mottled orange sandy CLAY. (BRICKEARTH)		0.30	
1.00	D1	D							
1.00	ES3	ES						(2.20)	
							3.76	2.50	
						Yellow fine to coarse SAND. (RIVER TERRACE DEPOSITS)		(0.50)	
							3.26	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By:	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP6	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.45	National Grid Co-ordinate: E:499125.9 N:102654.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	D1	D				TOPSOIL: Vegetation over dark brown sandy CLAY with rootlets. Friable orangish brown sandy CLAY. (BRICKEARTH)	6.30	0.15	
1.00	D2	D				... non friable at 1.50 m depth		(2.85)	
							3.45	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

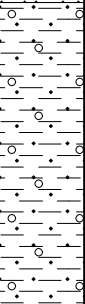
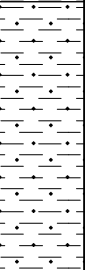
1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By:	
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Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP7	
Contract Ref: 29228		Start: 20.08.18	Ground Level: 6.13	National Grid Co-ordinate: E:499008.0 N:102736.0		Sheet: 1 of 1	
		End: 20.08.18					

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES	c _u =63			TOPSOIL: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	5.83	(0.30)	
0.60	ES2	ES				Brown and orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.00)	
1.00	D1	D					4.83	1.30	
1.50	D2	D				Orangish brown mottled light brown sandy CLAY with occasional fine to medium flint. (BRICKEARTH)		(0.90)	
1.50		V							
2.00	D3	D	c _u =72			Weathered CHALK recovered as off-white to whitish brown sandy gravelly CLAY. Gravel is subangular to subrounded fine to medium flint and chalk. (WHITE CHALK SUBGROUP)	3.93	2.20	
2.00		V							
2.50	D4	D					3.13	(0.80)	
						Trial pit terminated at 3.00 m bgl.		3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP8	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.90	National Grid Co-ordinate: E:499172.4 N:102792.7	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				TOPSOIL: Vegetation over brown sandy CLAY. Sand is fine to medium. Friable light brown sandy CLAY. (BRICKEARTH)	6.75	0.15	
0.50	ES2	ES							
1.00	D1	D							
								(2.85)	
							3.90	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP9	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.60	National Grid Co-ordinate: E:499324.7 N:102900.3	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				TOPSOIL: Vegetation over brown sandy CLAY. Sand is fine to medium. Friable light brown sandy CLAY. (BRICKEARTH)	6.45	0.15	
0.50	ES2	ES							
1.00	ES3	ES							
								(2.85)	
							3.60	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP10	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 7.01	National Grid Co-ordinate: E:499216.0 N:102959.2	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				TOPSOIL: Vegetation over brown sandy CLAY with rootlets.	6.86	0.15	
0.50	ES2	ES				Friable light brown sandy CLAY. (BRICKEARTH)			
1.00	ES3	ES						(2.05)	
1.50	D1	D				. . . non friable at 1.50 m depth			
2.50	D2	D				Orangish brown very sandy CLAY. (BRICKEARTH)	4.81	2.20	
							4.01	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP11	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.90	National Grid Co-ordinate: E:499181.0 N:103081.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Vegetation over brown sandy CLAY with rootlets.	6.75	0.15	
0.25	ES2	ES				Friable light brown sandy CLAY. (BRICKEARTH)			
0.75	ES3	ES						(1.65)	
							5.10	1.80	
						Orangish brown very sandy CLAY. (BRICKEARTH)		(1.20)	
							3.90	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **MEFisher**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP12	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 7.19	National Grid Co-ordinate: E:499060.7 N:103163.7		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Vegetation over dark brown sandy CLAY with rootlets.	6.99	0.20	
0.25	ES2	ES				Orange brown sandy silty CLAY. (BRICKEARTH)			
0.50	ES3	ES							
1.00	D1	D						(2.20)	
2.00	D2	D				Dark yellow slightly gravelly fine to medium SAND. Gravel is rounded to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	4.79	2.40	
3.00	D3	D					4.19	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **MEFisher**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP13	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.89	National Grid Co-ordinate: E:499014.4 N:103214.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Dark brown sandy CLAY.	6.69	0.20	
0.50	ES2	ES				Friable brown slightly sandy silty CLAY. (BRICKEARTH)		(0.80)	
1.00	ES3	ES				Brown mottled orange sandy silty CLAY. (BRICKEARTH)	5.89	1.00	
								(1.40)	
							4.49	2.40	
						Brownish orange slightly gravelly clayey fine to medium SAND. Gravel is fine to coarse flint. (RIVER TERRACE DEPOSITS)		(0.60)	
							3.89	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP14	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 7.41	National Grid Co-ordinate: E:498978.0 N:103268.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Dark brown sandy CLAY.	7.21	0.20	
0.25	ES2	ES				Friable brown slightly sandy silty CLAY. (BRICKEARTH)			
0.50	ES3	ES						(1.40)	
						Orangish brown very clayey fine to medium SAND. (RIVER TERRACE DEPOSITS)	5.81	1.60	
						Yellow fine to coarse SAND. (RIVER TERRACE DEPOSITS)	4.91	2.50	
						Yellow gravelly fine to coarse SAND. Gravel is fine to coarse chalk clasts becoming more chalky with depth. (RIVER TERRACE DEPOSITS)	4.61	2.80	
						Trial pit terminated at 3.00 m bgl.	4.41	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **MEFisher**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP15		
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 7.62		National Grid Co-ordinate: E:498700.2 N:103188.7		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES	c _u =90			TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. Friable orangish brown sandy CLAY. (BRICKEARTH) ... Becomes firm at 1.00 m bgl	7.42	0.20	
1.20	D1	D						(1.50)	
2.00	D2	D				Firm to stiff orangish brown mottle dark orange and grey very sandy CLAY. (BRICKEARTH)	5.92	1.70	
2.00		V						(1.30)	
						Trial pit terminated at 3.00 m bgl.	4.62	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP16		
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 7.38		National Grid Co-ordinate: E:498714.6 N:103262.2		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy silty CLAY. Gravel is subangular to subrounded fine to medium flint.		(0.30)	
0.50	ES1	ES				Friable brown sandy CLAY. (BRICKEARTH)	7.08	0.30	
1.00	D1	D				... Becomes firm at 1.00 m bgl		(1.50)	
1.50	D2	D					5.58	1.80	
2.00		V	$c_u=81$			Firm to stiff orangish brown and dark greyish orange very sandy CLAY with occasional flint gravels. (BRICKEARTH)			
2.20	D3	D						(1.20)	
							4.38	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP17	
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 6.93		National Grid Co-ordinate: E:498808.3 N:103328.8		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint	6.73	0.20	
0.50	ES1	ES				Friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.00)	
1.00	D1	D				... Becomes firm at 1.00 m bgl	5.73	1.20	
1.50	D2	D	$c_u=99$			Firm to stiff orangish brown sandy CLAY. (BRICKEARTH)			
1.50		V							
2.00	D3	D						(1.70)	
2.30		V	$c_u=63$						
2.50	D4	D							
							4.03	2.90	
						Weathered CHALK recovered as off-white clayey GRAVEL. Gravel is subangular to subrounded fine to medium flint and chalk. (WHITE CHALK SUBGROUP)	3.93	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

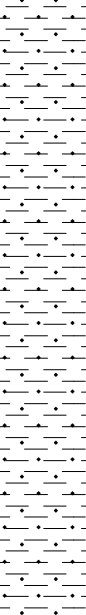
1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	ES1	ES				TOPSOIL; Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.		(0.30)	
						Firm friable orangish brown sandy CLAY. (BRICKEARTH)	6.99	0.30	
1.00 1.00	D1	D V	$c_u=72$					(2.16)	
1.80	D2	D							
2.00		V	$c_u=63$				4.83	2.46	
						Orangish slightly clayey fine to medium SAND. Field observations indicate this soil is medium dense (BRICKEARTH)		(0.54)	
						Weathered CHALK recovered as off-white sandy clayey subangular to subrounded fine to medium GRAVEL chalk. Sand is medium. (WHITE CHALK SUBGROUP)	4.29	3.00	
						Trial pit terminated at 3.10 m bgl.	4.19	3.10	

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

Scale: 1:25

By: AT





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP19	
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 7.03	National Grid Co-ordinate: E:498920.9 N:103391.3	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.78	0.25	
1.00 1.00	D1	D V	$c_u=54$			Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.35)	
1.50 1.50	D2	D V	$c_u=63$				5.43	1.60	
2.00 2.00	D3	D V	$c_u=45$			Firm becoming soft orangish brown very sandy CLAY. (BRICKEARTH)		(1.20)	
							4.23	2.80	
						Trial pit terminated at 2.80 m bgl.			

General Remarks

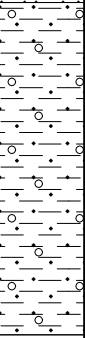
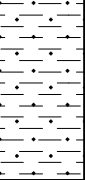
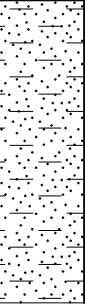
1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP20
Contract Ref: 29228	Start: 15.08.18 End: 15.08.18	Ground Level: 7.25	National Grid Co-ordinate: E:498723.5 N:103454.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES	c _u =63			TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.95	(0.30)	
0.80	D1	D				Firm friable orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	5.85	(1.10)	
1.40	D2	D				Firm orangish brown sandy CLAY with occasional sand laminations and orange and occasional grey veining (BRICKEARTH)	5.25	(0.60)	
1.50		V							
2.20	D3	D				Orange slightly clayey fine to medium SAND. Field observations indicate this soil is medium dense (RIVER TERRACE DEPOSITS)	4.25	(1.00)	
						Trial pit terminated at 3.00 m bgl.		3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP21	
Contract Ref: 29228		Start: 15.08.18 End: 15.08.18	Ground Level: 7.07	National Grid Co-ordinate: E:498739.8 N:103567.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES	c _u =63			TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.77	0.30	
						Firm friable orangish brown slightly gravelly sandy CLAY. (BRICKEARTH)		(1.30)	
1.00	D1	D							
1.50	D2	D					5.47	1.60	
2.00	D3	D V				Firm orangish brown mottled grey and orange very sandy CLAY. (BRICKEARTH)		(1.40)	
2.00						... Occasional flint cobbles at 2.70 m bgl	4.07	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP22
Contract Ref: 29228	Start: 15.08.18 End: 15.08.18	Ground Level: 7.03	National Grid Co-ordinate: E:498590.9 N:103626.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.73	(0.30)	
0.50	ES1	ES				Firm friable orangish brown sandy CLAY with occasional fine to medium flint. (BRICKEARTH)		0.30	
1.00 1.00	D1	D V	$c_u=63$					(1.80)	
1.50 1.50	D2	D V	$c_u=72$				4.93	2.10	
2.20	B1	B				Structureless CHALK recovered as off-white sandy clayey GRAVEL. Sand is coarse. Gravel is subangular to subrounded fine to medium flint and intact chalk fragments. Chalk is estimated medium density. (Grade Dc) (WHITE CHALK SUBGROUP)		(0.90)	
							4.03	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP23
Contract Ref: 29228	Start: 15.08.18 End: 15.08.18	Ground Level: 6.70	National Grid Co-ordinate: E:498606.2 N:103907.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.40	(0.30)	
0.60	ES1	ES	c _u =63			Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.10)	
1.00 1.00	D1	D V					5.30	1.40	
1.50 1.50	D2	D V	c _u =72			Firm orange brown sandy CLAY. Becoming more sandy with depth. (BRICKEARTH)		(1.00)	
2.00	D3	D					4.30	2.40	
						Orangish brown clayey fine to medium SAND. Field observations indicate this is soil is medium dense (RIVER TERRACE DEPOSITS)		(0.50)	
							3.80	2.90	
						Weathered CHALK recovered as off-white to light brown gravelly CLAY. Gravel is subangular to subrounded fine to medium flint and chalk fragments. Chalk is estimated moderately strong medium density. (grade undetermined) (WHITE CHALK SUBGROUP) Trial pit terminated at 3.00 m bgl.	3.70	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used:

JCB-3CX

Logged

By:

ADenton

Checked

By:

AT





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP24	
Contract Ref: 29228		Start: 15.08.18 End: 15.08.18	Ground Level: 6.84	National Grid Co-ordinate: E:498808.7 N:103860.7	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES				TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.54	(0.30)	
1.00	D1	D				Firm to stiff friable orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)			
1.20		V	$c_u=81$						
1.50	D2	D							
1.50		V	$c_u=90$						
1.80		V	$c_u=94$						
2.00	D3	D							
2.50	D4	D				... sand content increases at 2.30 m bgl			
						... fine to medium sand band between 2.50 and 2.70 m bgl			
						... flint content increases at 2.80 m bgl			
						... chalk clasts at 2.90 m bgl	3.84	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP25	
Contract Ref: 29228		Start: 15.08.18 End: 15.08.18	Ground Level: 7.02	National Grid Co-ordinate: E:498942.3 N:103667.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.72	(0.30)	
						Firm friable orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.30)	
1.20	D1	D					5.42	1.60	
1.80	D2	D				Firm to stiff orangish brown sandy CLAY. (BRICKEARTH)		(1.40)	
2.40	D3	D							
						... fine flint at 2.90 m bgl	4.02	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP26	
Contract Ref: 29228		Start: 15.08.18 End: 15.08.18	Ground Level: 6.90		National Grid Co-ordinate: E:499043.1 N:103768.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	ES1	ES				TOPSOIL: Dark brown slightly sandy gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint.	6.60	(0.30)	
						Firm friable light brown slightly gravelly sandy silty CLAY. Gravel is angular coarse flint and chalk. (BRICKEARTH)		0.30	
0.90	D1	D	$c_u=72$			Firm to stiff orangish brown slightly gravelly sandy silty CLAY with occasional cobble. Gravel is angular to subrounded fine to coarse flint and chalk. (BRICKEARTH)	5.90	1.00	
1.00		V							
1.50	D2	D	$c_u=81$					(1.70)	
1.50		V							
2.20	D3	D					4.20	2.70	
Trial pit terminated at 2.70 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: VRussell	Checked By: AT	
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Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP27	
Contract Ref: 29228		Start: 16.08.18 End: 16.08.18	Ground Level: 6.88		National Grid Co-ordinate: E:499086.2 N:103580.7	
Sheet: 1 of 1						

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.58	(0.30)	
1.00	D1	D V	$c_u=72$			Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	5.28	(1.30)	
1.50	D2	D V	$c_u=81$			Stiff orangish brown sandy CLAY. (BRICKEARTH)	4.08	(1.20)	
2.00	D3	D V	$c_u=90$			Trial pit terminated at 2.80 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP28
Contract Ref: 29228	Start: 15.08.18 End: 15.08.18	Ground Level: 6.21	National Grid Co-ordinate: E:499240.4 N:103710.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Dark brown sandy silty CLAY with occasional rootlets.	5.91	(0.30)	
						Firm friable brown slightly gravelly sandy silty CLAY. Gravel is angular to subrounded fine to medium flint. (BRICKEARTH)		(0.90)	
1.00 1.00	D1	D V	$c_u=63$				5.01	1.20	
1.40 1.50	D2	D V	$c_u=81$			Firm to stiff orangish brown gravelly sandy silty CLAY. Gravel is angular to rounded coarse flint and chalk with occasional flint cobble. (BRICKEARTH)		(0.80)	
1.80	D3	D					4.21	2.00	
2.70	B1	B				Structureless CHALK of off-white to whitish brown sandy clayey GRAVEL. Sand is fine to medium. Gravel is subrounded fine to coarse with frequent cobbles of intact chalk fragments and occasional flint. Chalk is estimated strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)		(1.00)	
							3.21	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: VRussell	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP29
Contract Ref: 29228	Start: 17.08.18 End: 17.08.18	Ground Level: 3.03	National Grid Co-ordinate: E:499338.5 N:103699.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.40	ES1	ES				TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint with rare brick.	2.63	0.40	
						Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	2.33	0.70	
1.00	D1	D				... land drain between 0.40 m and 0.60 m bgl in eastern end of pit			
1.50	B1	B				Structureless CHALK recovered as off-white slightly clayey sandy subrounded fine to coarse GRAVEL intact chalk fragments. Occasional clay pockets and frequent cobbles. Chalk is estimated moderately strong to strong medium density. (Grade Dc)			
2.00	D2	D				(WHITE CHALK SUBGROUP)			
							0.43	2.60	
Trial pit terminated at 2.60 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. Groundwater at 2.50 m bgl, rapid ingress.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP30		
Contract Ref: 29228		Start: 17.08.18 End: 17.08.18	Ground Level: 5.76		National Grid Co-ordinate: E:499541.8 N:103737.1		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy silty CLAY. Gravel is angular to subrounded fine to coarse flint.	5.46	(0.30)	
0.60	ES1	ES	c _u =58			Firm friable light brown sandy silty CLAY. (BRICKEARTH)	4.36	(1.10)	
1.00	D1	D				Firm orange brown gravelly sandy silty CLAY. Gravel is angular to subrounded fine to coarse of flint and occasional chalk clasts. (BRICKEARTH)	3.96	(0.40)	
1.00		V				Structureless CHALK of whitish brown to off white slightly clayey sandy GRAVEL. Gravel is subangular to subrounded fine to coarse with frequent cobbles of intact chalk fragments. Chalk is estimated moderately strong medium dense. (Grade Dc) (WHITE CHALK SUBGROUP)	2.76	(1.20)	
1.60	D2	D				Trial pit terminated at 3.00 m bgl.			
2.00	D3	D							

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP31A	
Contract Ref: 29228		Start: 17.08.18 End: 17.08.18	Ground Level: ---	National Grid Co-ordinate: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						MADE GROUND: Brown slightly gravelly sandy CLAY. Gravel subangular to subrounded fine to medium flint.		(0.30)	
						MADE GROUND: Friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint, brick and black ash/clinker.		0.30	
						Trial pit terminated at 0.50 m bgl due to a concrete slab.		0.50	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP31B	
Contract Ref: 29228		Start: 17.08.18 End: 17.08.18	Ground Level: 7.07	National Grid Co-ordinate: E:499117.4 N:103508.8		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	ES1	ES				MADE GROUND: Brown slightly gravelly sandy CLAY. Gravel subangular to subrounded fine to medium flint.	6.77	(0.30)	
						MADE GROUND: Friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint, brick and black ash/clinker.	6.47	(0.30)	
						Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		0.60	
1.00	D1	D V	$c_u=54$					(1.00)	
1.00									
1.50	D2	D V	$c_u=81$				5.47	1.60	
1.50									
2.00	D3	D				Firm to stiff orangish brown sandy CLAY. (BRICKEARTH)		(1.40)	
							4.07	3.00	
Trial pit terminated at 3.00 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP32	
Contract Ref: 29228		Start: 16.08.18 End: 16.08.18	Ground Level: 6.41		National Grid Co-ordinate: E:499219.5 N:103556.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.11	(0.30)	
0.50	ES1	ES				Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		0.30	
1.00								(1.10)	
1.00	D1	D V	$c_u=63$				5.01	1.40	
1.50		V	$c_u=81$			Firm to stiff orangish brown mottled orange and grey sandy CLAY. (BRICKEARTH)			
2.00	D2	D						(1.30)	
							3.71	2.70	
2.80	B1	B				Structureless CHALK of off-white very clayey GRAVEL. Gravel is subrounded, fine to medium intact chalk fragments. Chalk is estimated moderately strong, medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	3.41	(0.30)	
						Trial pit terminated at 3.00 m bgl.		3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP33	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.58	National Grid Co-ordinate: E:499262.3 N:103472.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Dark brown sandy CLAY.	6.38	0.20	
0.50	ES2	ES				Firm friable brown slightly sandy CLAY. (BRICKEARTH)		(0.80)	
1.00	D1	D				Firm to stiff brown mottled orange very sandy silty CLAY. (BRICKEARTH)	5.58	1.00	
1.00	ES3	ES						(2.00)	
							3.58	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **MEFisher**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP34	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.88	National Grid Co-ordinate: E:499188.6 N:103416.7	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Brown slightly sandy CLAY.	6.68	0.20	
0.25	ES2	ES				Firm brown slightly sandy CLAY. (BRICKEARTH)			
0.50	D1	D						(0.90)	
0.50	ES3	ES					5.78	1.10	
1.50	D2	D				Firm light brown mottled orange very sandy CLAY. (BRICKEARTH)		(1.90)	
							3.88	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP35		
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 7.36		National Grid Co-ordinate: E:499136.8 N:103319.0		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES	c _u =63			Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (Possible reworked)	7.06	(0.30)	
1.00	B1	B				Light brown slightly gravelly slightly clayey fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. Field observations indicate this soil is medium dense (Possible reworked) (BRICKEARTH)	5.86	(1.20)	
1.50		V				Firm light brown mottled grey and orange sandy CLAY with black inclusions. (BRICKEARTH)	4.66	(1.20)	
2.00	D1	D				Trial pit terminated at 2.70 m bgl.		2.70	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP36	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 6.86	National Grid Co-ordinate: E:499252.6 N:103390.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				TOPSOIL: Dark brown sandy CLAY.	6.66	0.20	
0.50	ES2	ES				Orangish brown very sandy CLAY. (BRICKEARTH)		(0.90)	
1.00	D1	D					5.76	1.10	
1.00	ES3	ES				Orangish brown gravelly sandy CLAY. Gravel is fine to coarse chalk and flint. (BRICKEARTH)		(1.90)	
3.00	D2	D				Trial pit terminated at 3.00 m bgl.	3.86	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

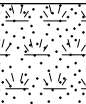
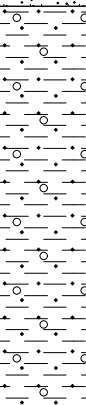
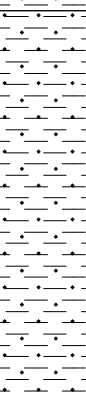
Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: MEFisher	Checked By: AT	
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TRIAL PIT LOG

Contract:			Client:			Trial Pit:		
Ford Airfield			Wates / Redrow			TP37		
Contract Ref:		Start: 17.08.18	Ground Level:		National Grid Co-ordinate:		Sheet:	
29228		End: 17.08.18	6.69		E:499328.0 N:103440.4		1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend	
Depth	No	Type	Results							
0.30	ES1	ES	c _u =81			TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint with rare fine brick.	6.34	(0.35)		
						Firm friable light brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH) ... turning orangish brown at 0.35 m bgl				
1.00	D1	D						(1.35)		
1.50	D2	D	c _u =81					4.99	1.70	
1.50		V								
2.00	D3	D						(1.30)		
2.00		V								
2.50	D4	D						3.69	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow			Trial Pit: TP38		
Contract Ref: 29228		Start: 17.08.18 End: 17.08.18	Ground Level: 6.43		National Grid Co-ordinate: E:499515.2 N:103491.4		Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	6.13	(0.30)	
0.50	ES1	ES				Firm friable orangish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		0.30	
1.00	D1	D						(1.50)	
1.50	D2	D					4.63	1.80	
2.00	D3	D				Firm to stiff orangish brown sandy CLAY. (BRICKEARTH) ... becoming more sandy with depth		(1.00)	
2.50	D4	D					3.63	2.80	
						Orangish brown clayey medium SAND. Field observations indicate this soil is medium dense (RIVER TERRACE DEPOSITS)	3.43	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

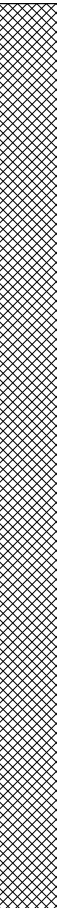
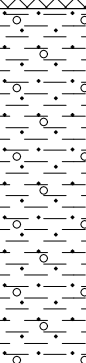
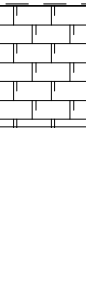
By: **ADenton**

Checked

By: **AT**



Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP39
Contract Ref: 29228	Start: 21.08.18 End: 21.08.18	Ground Level: 5.65	National Grid Co-ordinate: E:499676.7 N:103425.2		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES	c _u =81			MADE GROUND: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	5.35	(0.30)	
						MADE GROUND: Dark brown and black gravelly medium to coarse SAND. Gravel is subangular to subrounded fine to medium flint, ash and clinker.	5.25	0.30	
1.00	D1	D				Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		(1.20)	
						. . . Becomes firm at 1.00 m bgl			
1.50	D2	V				. . . Becomes stiff at 1.50 m bgl	4.05	1.60	
1.60		D				Stiff orangish brown mottled light brown and dark orangish brown sandy CLAY. Sand is medium. (BRICKEARTH)			
2.00	D3	D						(1.00)	
2.70	B1	B				Structureless CHALK recovered as off-white slightly clayey sandy GRAVEL. Gravel is subrounded fine to coarse with frequent cobbles chalk with occasional flint. Chalk is estimated moderately strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)		(0.40)	
							2.65	3.00	

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP40	
Contract Ref: 29228		Start: 22.08.18 End: 22.08.18	Ground Level: 6.43	National Grid Co-ordinate: E:499579.9 N:103417.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.10	ES1	ES				MADE GROUND: Dark brown slightly gravelly medium to coarse SAND. Gravel is subangular to subrounded fine to medium flint, brick and concrete.	6.23	0.20	
0.50	ES2	ES				MADE GROUND: Brown gravelly slightly clayey medium to coarse SAND. Gravel is subangular to subrounded fine to coarse brick, concrete and flint. ... at 0.5m bgl: Frequent plastic, tape, wrapping tape, concrete blocks and metal nails.		(1.40)	
1.00	ES3	ES							
1.40	ES4	ES					4.83	1.60	
Trial pit terminated at 1.60 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP41	
Contract Ref: 29228		Start: 22.08.18 End: 22.08.18	Ground Level: 6.45	National Grid Co-ordinate: E:499585.2 N:103370.4	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES				MADE GROUND: Brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium flint, brick, and chalk.	6.25	0.20	
0.70	ES2	ES				MADE GROUND: Light brown gravelly clayey fine to coarse SAND. Gravel is subangular fine to coarse with cobbles of brick, flint and concrete. ... at 0.5m bgl: Frequent wood, ash, plastic and chalk.		(1.80)	
1.40	ES3	ES							
1.80	ES4	ES					4.45	2.00	
Trial pit terminated at 2.00 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP42	
Contract Ref: 29228		Start: 22.08.18 End: 22.08.18	Ground Level: 6.54	National Grid Co-ordinate: E:499592.0 N:103329.9	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES				MADE GROUND: Brown slightly gravelly fine to medium SAND: Gravel is subangular to subrounded fine to medium brick and chalk.	6.34	0.20	
0.70	ES2	ES				MADE GROUND: Light brown gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse with cobbles of brick, flint, concrete, ash, clinker and frequent plastic and cloth.		(1.30)	
1.40	ES3	ES					5.04	1.50	
Trial pit terminated at 1.50 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP43
Contract Ref: 29228	Start: 21.08.18 End: 21.08.18	Ground Level: 5.92	National Grid Co-ordinate: E:499723.8 N:103344.3		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				TOPSOIL: Brown sandy silty CLAY.	5.62	(0.30)	
0.60	ES2	ES				Firm friable light brown sandy CLAY with rare coarse flint gravel. (BRICKEARTH)	5.02	(0.60)	
1.00 1.00	D1	D V	$c_u=63$			Firm to stiff orangish brown slightly gravelly sandy CLAY. Gravel is angular to subrounded flint and chalk. (BRICKEARTH)	3.62	(1.40)	
1.50 1.50	D2	D V	$c_u=81$						
2.00	D3	D							
2.50	B1	B				Weathered CHALK recovered as whitish brown and off-white sandy clayey GRAVEL. Sand is medium to coarse. Gravel is fine to coarse with frequent cobbles of chalk. Chalk is estimated moderately strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	2.92	(0.70)	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP44
Contract Ref: 29228	Start: 21.08.18 End: 21.08.18	Ground Level: 4.52	National Grid Co-ordinate: E:499863.6 N:103437.9		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.50	ES1	ES				TOPSOIL: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	4.22	(0.30)	
						Firm friable brown and orangish brown gravelly very sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICEARTH)		(0.80)	
1.00	D1	D				Orangish brown gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. Field observations indicate this soil is medium dense (RIVER TERRACE DEPOSITS)	3.42	1.10	
1.50	B1	B						(0.90)	
2.20	B2	B				Structureless CHALK of off-white slightly clayey sandy subrounded fine to coarse GRAVEL with frequent cobbles of chalk. Chalk is estimated moderately strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	2.52	2.00	
								(1.00)	
							1.52	3.00	
Trial pit terminated at 3.00 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **ADenton**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: TP45
Contract Ref: 29228	Start: 20.08.18 End: 20.08.18	Ground Level: 4.87	National Grid Co-ordinate: E:499900.2 N:103531.1		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.30	ES1	ES				TOPSOIL: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	4.57	(0.30)	
1.00	D1	D				Firm friable brown gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse flint. (BRICKEARTH)	3.67	(0.90)	
1.50	D2	D				Weathered CHALK recovered as light brown and off-white sandy slightly clayey subangular to subrounded fine to coarse GRAVEL flint and chalk. Chalk is estimated moderately strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	3.07	(0.60)	
2.00	B1	B				Structureless CHALK recovered as off-white sandy slightly clayey subrounded fine to coarse GRAVEL with frequent cobbles of chalk. Chalk is estimated moderately strong medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	1.87	(1.20)	
2.50	B2	B							
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP46	
Contract Ref: 29228		Start: 10.08.18 End: 10.08.18	Ground Level: 5.30	National Grid Co-ordinate: E:499407.0 N:102398.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.25	ES1	ES				MADE GROUND: Greyish brown sandy gravelly CLAY. Gravel is fine to coarse flint, brick and tile.	5.00	(0.30)	
0.50	ES2	ES				MADE GROUND: Light brown gravelly very sandy CLAY/SILT. Gravel is fine to coarse flint and brick.		(1.10)	
1.00	ES3	ES					3.90	1.40	
1.50	ES4	ES				Brown mottled white very gravelly sandy CLAY. Gravel is rounded fine to coarse chalk and occasional fine to coarse flint. (Possible reworked ground)		(1.60)	
							2.30	3.00	
						Trial pit terminated at 3.00 m bgl.			

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used: **JCB-3CX**

Logged

By: **MEFisher**

Checked

By: **AT**





TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: TP47	
Contract Ref: 29228		Start: 22.08.18 End: 22.08.18	Ground Level: 6.67	National Grid Co-ordinate: E:499576.7 N:103440.8	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Reduced Level	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results						
0.20	ES1	ES				MADE GROUND: Brown slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium flint, brick, concrete and frequent roots.	6.37	(0.30) 0.30	
0.50	ES2	ES				MADE GROUND: Light brown slightly clayey gravelly medium to coarse SAND. Gravel is subangular to subrounded fine to coarse brick, flint and concrete with frequent plastic, sheeting, metal and cloth.		(1.20)	
1.00	ES3	ES							
1.40	ES4	ES					5.17	1.50	
Trial pit terminated at 1.50 m bgl.									

General Remarks

1. UXO scan performed from ground level.
2. Trial pit remained stable.
3. No groundwater encountered.
4. Backfilled with arisings.
5. Where no hand vane results were obtained, consistency term is the engineers field observation.

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: S1	
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 5.52	National Grid Co-ordinate: E:499452.0 N:102439.3	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown very friable slightly gravelly CLAY with rootlets. Gravel is subangular to subrounded fine to medium flint.	0.25	
						Firm friable light brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	(1.50)	
						Medium dense light brown / orange brown clayey SAND. (RIVER TERRACE DEPOSITS)	(1.05)	
						Soakaway pit terminated at 2.80m bgl.	2.80	

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: S2
Contract Ref: 29228	Start: 14.08.18 End: 14.08.18	Ground Level: 6.50	National Grid Co-ordinate: E:499123.3 N:102541.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	ES1	ES				MADE GROUND: Brown slightly gravelly sandy silty clay with roots. Gravel is subangular to subrounded fine to medium flint.	(0.30)	
						MADE GROUND: Orange brown sandy gravelly silty CLAY. Sand is fine. Gravel is fine to coarse angular to subrounded of flint.	0.30	
						MADE GROUND: Multicoloured sandy GRAVEL. Sand is fine. Gravel is medium to coarse angular of brick, flint, ash and clinker.	0.50	
						Firm friable orange brown mottled sandy silty CLAY. (BRICKEARTH)	0.65	
						... Becomes firm at 1.00 m bgl		
						... Becomes stiff at 1.80 m bgl		
							(1.95)	
							2.60	
						Soakaway pit terminated at 2.60m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: S3	
Contract Ref: 29228		Start: 14.08.18 End: 14.08.18	Ground Level: 6.97	National Grid Co-ordinate: E:499071.7 N:103036.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20	ES1	ES				TOPSOIL: Brown slightly gravelly silty sandy CLAY with rootlets. Gravel is subangular to subrounded fine to medium flint.	0.25	
1.00	D1	D				Firm light brown sandy silty CLAY with occasional flint noted. (BRICKEARTH)		
1.20		V	$c_u=63$			... Becomes firm at 1.00 m bgl	(2.45)	
2.00	D2	D					2.70	
						Soakaway pit terminated at 2.70m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: S4
Contract Ref: 29228	Start: 15.08.18 End: 15.08.18	Ground Level: 6.47	National Grid Co-ordinate: E:499353.7 N:103012.5		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40	ES1	ES				TOPSOIL: Grass over brown slightly gravelly sandy silty CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint.	(0.30) 0.30	
1.00	D1	D				Firm friable orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)	(1.00) 1.30	
1.50	D2	D	$c_u=67$			... Becomes firm at 1.00 m bgl		
1.50		V						
2.00	D3	D	$c_u=67$			Firm orange brown with grey and orange mottled sandy CLAY. (BRICKEARTH)	(1.50) 2.80	
2.00		V						
						Soakaway pit terminated at 2.80m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used:

JCB-3CX

Logged

By:

ADenton

Checked

By:

AT

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: S5
Contract Ref: 29228	Start: 20.08.18 End: 20.08.18	Ground Level: 6.71	National Grid Co-ordinate: E:499758.8 N:103198.6		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	0.25	
0.50	ES1	ES				Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH)		
1.00	D1	D				. . . Becomes firm at 1.00 m bgl		
1.50	D2	D				. . . Becomes stiff at 1.50 m bgl		
1.50		V	$c_u=76$					
2.00	D3	D						
2.50	B1	B				Stiff orangish brown gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS)	2.40	
							(0.40)	
							2.80	
						Structureless CHALK recovered as sandy clayey GRAVEL. Gravel is subangular to subrounded fine to coarse, occasional cobbles of flint and chalk. Chalk is estimated medium dense, moderately strong. (Grade Dc) (WHITE CHALK SUBGROUP)	2.90	
						Soakaway pit terminated at 2.90 m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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[illegible]

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

Scale: **1:25**

ARUN DISTRICT COUNCIL



TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: S6B
Contract Ref: 29228	Start: 16.08.18 End: 16.08.18	Ground Level: 6.92	National Grid Co-ordinate: E:499276.2 N:103283.0		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	ES1	ES				MADE GROUND: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	(0.30) 0.30	
						MADE GROUND: Dark brown and black sandy GRAVEL. Gravel is TYPE 1 and fine to medium subangular to subrounded brick and possible granite. Clay land drain encountered.	(0.40) 0.70	
						Firm friable brown sandy CLAY. (BRICKEARTH)		
1.00	D1	D						
1.50	D2	D				. . . Becomes firm to stiff from 1.50 m bgl.	(1.70)	
2.00	D3	D					2.40	
2.50	D4	D				Medium dense orangish brown fine to medium SAND. (RIVER TERRACE DEPOSITS)	(0.40) 2.80	
						Soakaway pit terminated at 2.80m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

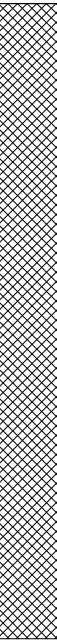
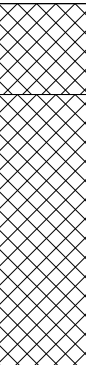
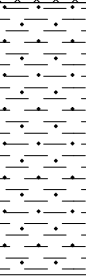
Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: S7	
Contract Ref: 29228	Start: 16.08.18 End: 16.08.18	Ground Level: 6.92	National Grid Co-ordinate: E:498829.5 N:103529.6	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40	ES1	ES				MADE GROUND: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint with occasional fine brick.	(0.30)	
						MADE GROUND: Across the northern and southern ends of the trial pit comprising brown sandy GRAVEL. Sand is coarse. Gravel is subangular to subrounded fine to medium type 1, brick, concrete, carbonaceous material and glass.	0.30	
1.00	D1	D				Across the centre of the pit: Brown sandy CLAY. Sand is fine to medium.	(0.90)	
							1.20	
1.50	D2	D				Firm to stiff orangish brown very sandy CLAY. (BRICKEARTH)	(0.90)	
							2.10	
						Soakaway pit terminated at 2.10 m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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TRIAL PIT LOG

Contract: Ford Airfield		Client: Wates / Redrow		Trial Pit: S8	
Contract Ref: 29228		Start: 16.08.18 End: 16.08.18	Ground Level: 6.82	National Grid Co-ordinate: E:498918.5 N:103616.0	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint.	(0.30) 0.30	
						Firm friable brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to medium flint. (BRICKEARTH) ... brick and a disconnected pot ended cable at 0.50m bgl. ... Becomes firm at 1.00 m bgl.	(1.20) 1.50	
						Firm orangish brown sandy CLAY. (BRICKEARTH) ... Becoming stiff at 1.80 m bgl.	(0.90) 2.40	
						Strucutreless CHALK recovered as off-white sandy clayey GRAVEL. Gravel is subrounded, fine to medium intact chalk fragments and flint. Chalk is estimated moderately strong, medium density. Grade Dc. (WHITE CHALK SUBGROUP)	(0.60) 3.00	
						Soakaway pit terminated at 3.00 m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used:

JCB-3CX

Logged

By:

ADenton

Checked

By:

AT





TRIAL PIT LOG

Contract: Ford Airfield			Client: Wates / Redrow		Trial Pit: S9
Contract Ref: 29228	Start: 20.08.18 End: 20.08.18	Ground Level: 5.85	National Grid Co-ordinate: E:499637.6 N:103688.9		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.25	ES1	ES				TOPSOIL: Dark brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse flint.	(0.30) 0.30	
						Firm friable brown sandy CLAY. (BRICKEARTH)		
1.00	D1	D				... Becoming gravelly clay with subangular to subrounded, fine to medium flint at 1.00 m bgl.	(1.50) 1.80	
						Weathered CHALK recovered as brown / off white gravelly CLAY. Gravel is fine to medium size chalk clasts and flint. (WHITE CHALK SUBGROUP)	(0.40) 2.20	
2.20	B1	B				Structureless CHALK composed of off white sandy clayey GRAVEL. Gravel is subangular to subrounded, fine to medium intact chalk fragments. Chalk is estimated moderately strong, medium density. (Grade Dc) (WHITE CHALK SUBGROUP)	(0.70) 2.90	
						Soakaway pit terminated at 2.90 m bgl.		

General Remarks

1. UXO scan undertaken from ground level
2. Trial pit remained stable
3. No groundwater encountered
4. Backfilled with arisings

All dimensions in metres

Scale: **1:25**

Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: ADenton	Checked By: AT	
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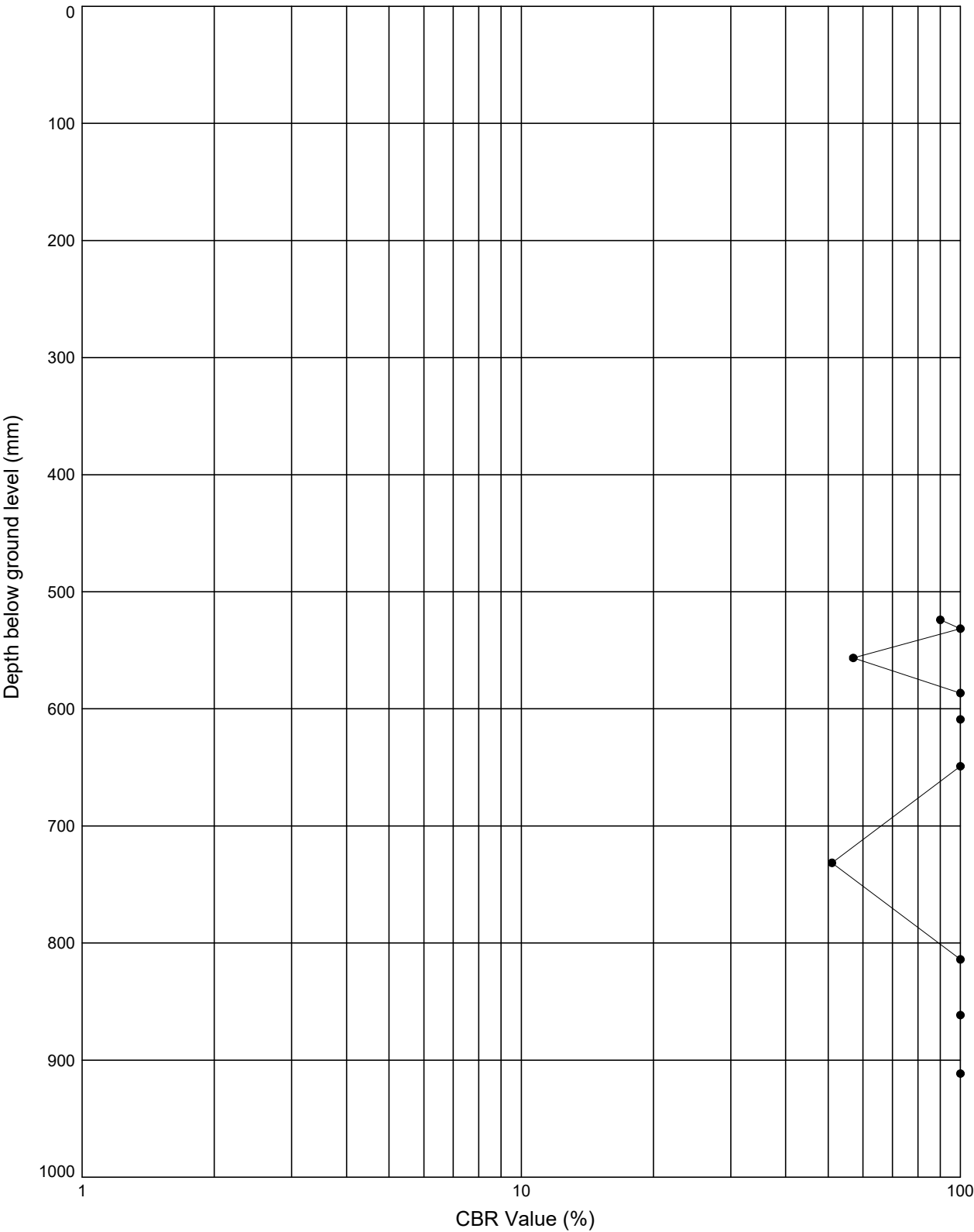
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **Core 4**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

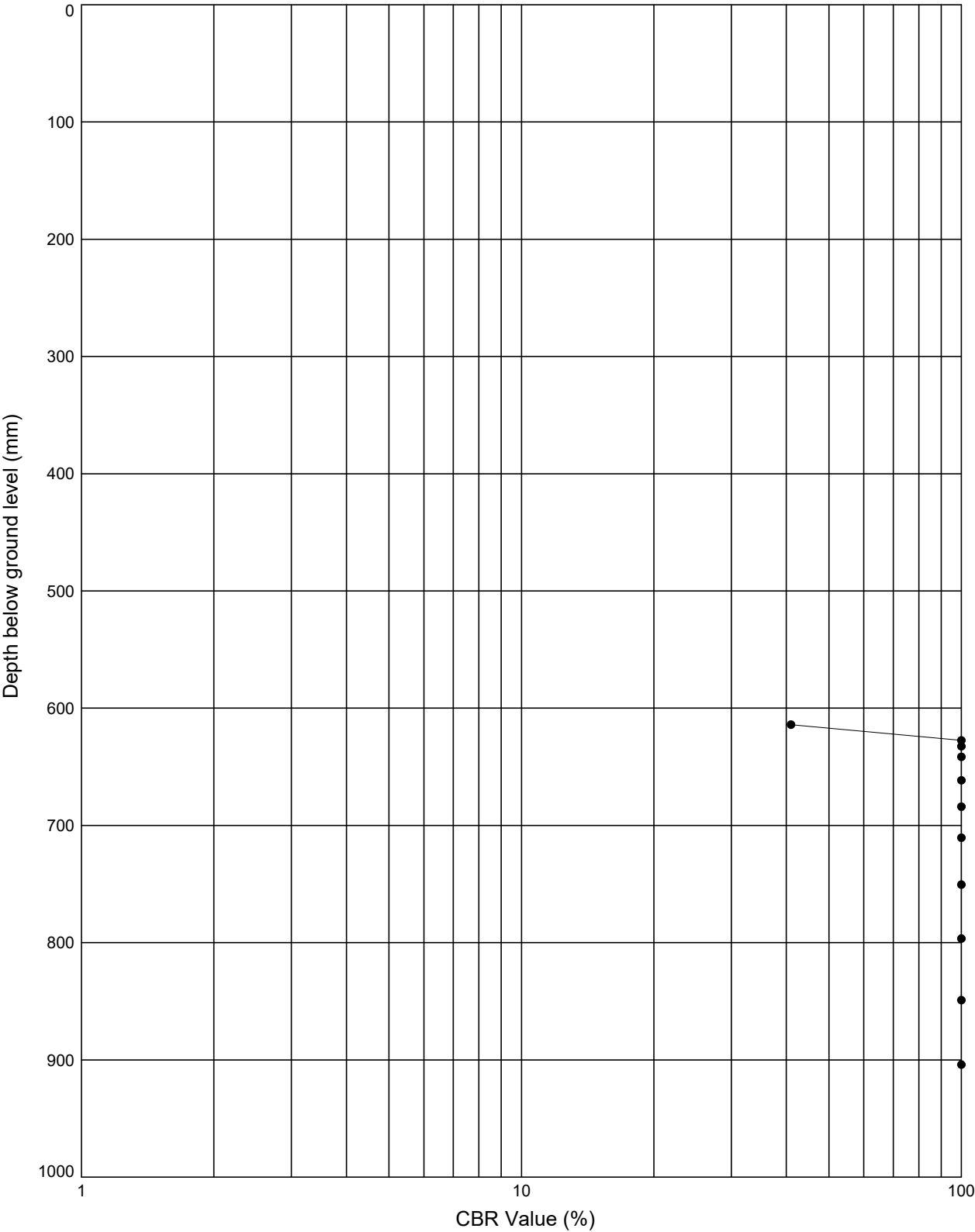
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **Core 5**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

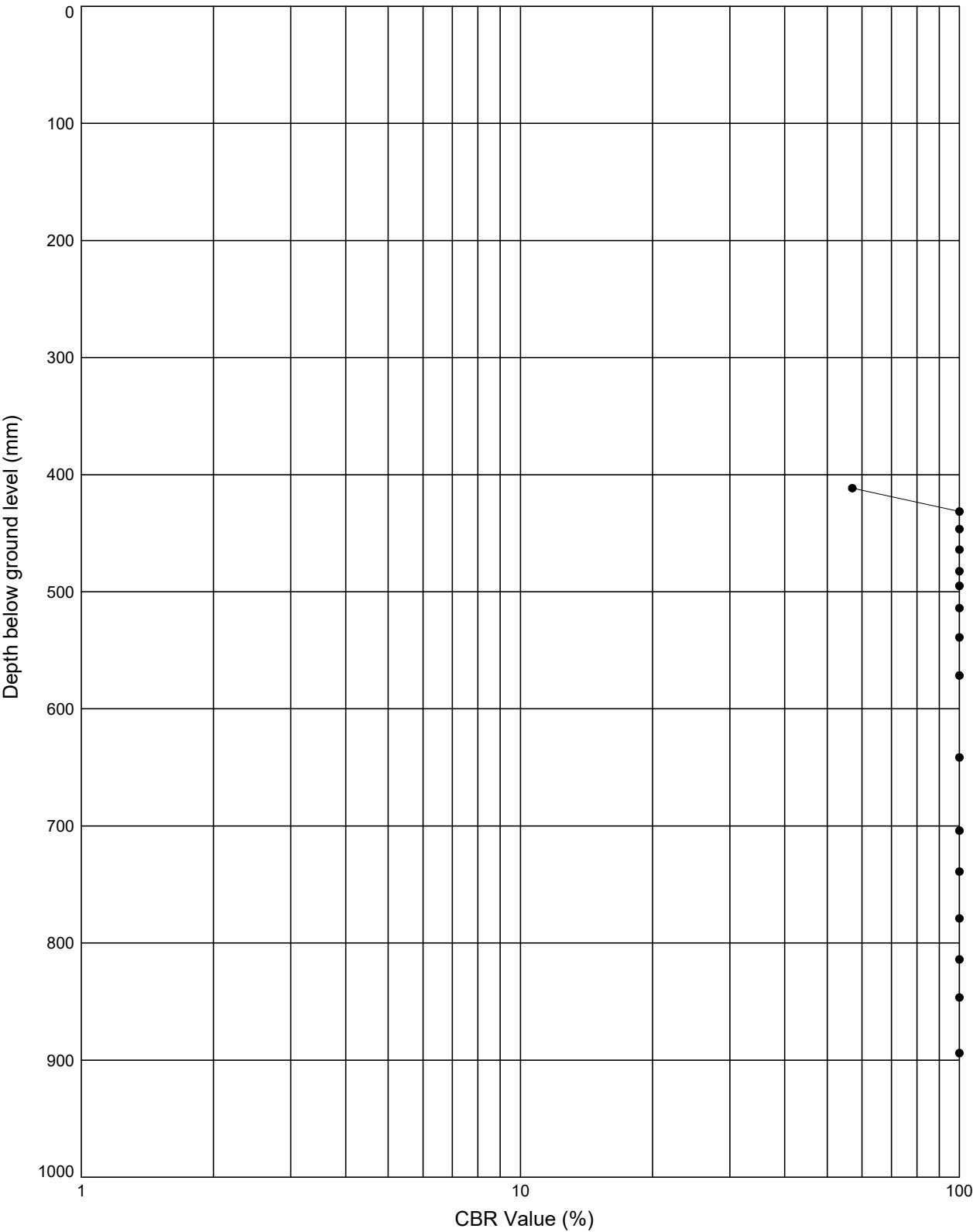
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **Core 6**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

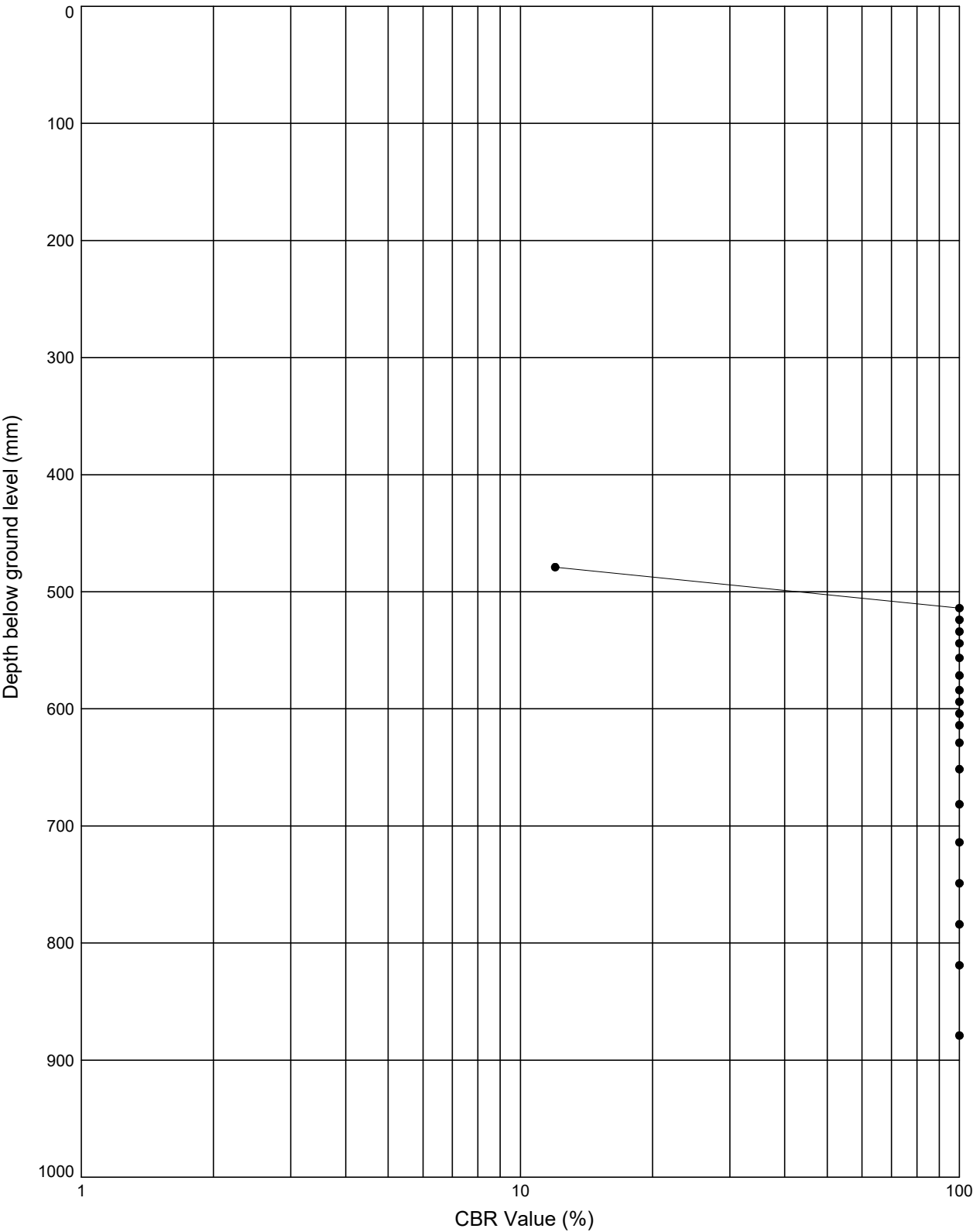
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **Core 7**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

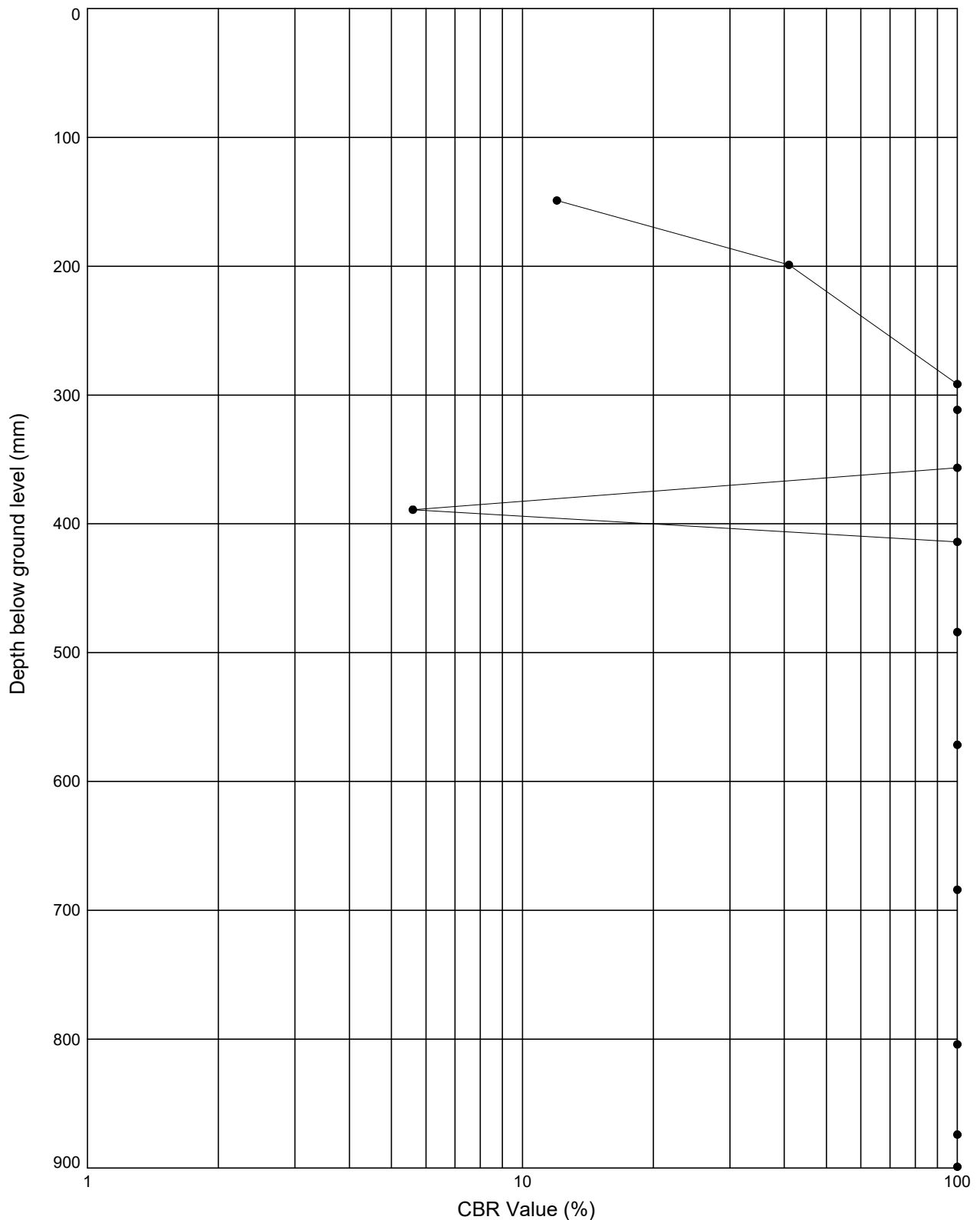
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS2**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
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Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By

Date

Checked By

Date

J. Payne

11/10/18

Contract

Contract Ref:

Ford Airfield

29228

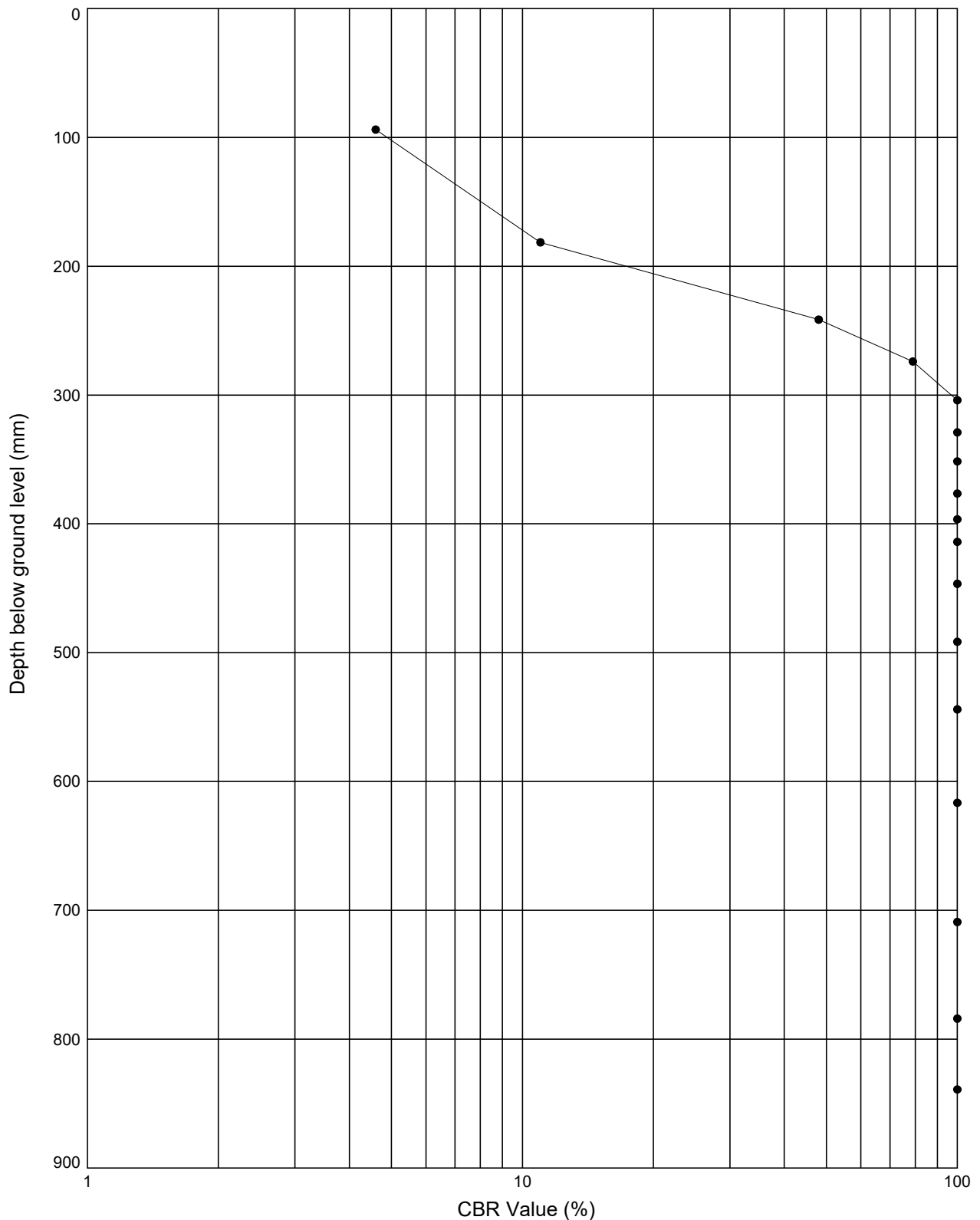
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS3**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

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Hertfordshire
HP3 9RT

Compiled By

J. Payne

Date

11/10/18

Checked By

Date

Contract

Ford Airfield

Contract Ref:

29228

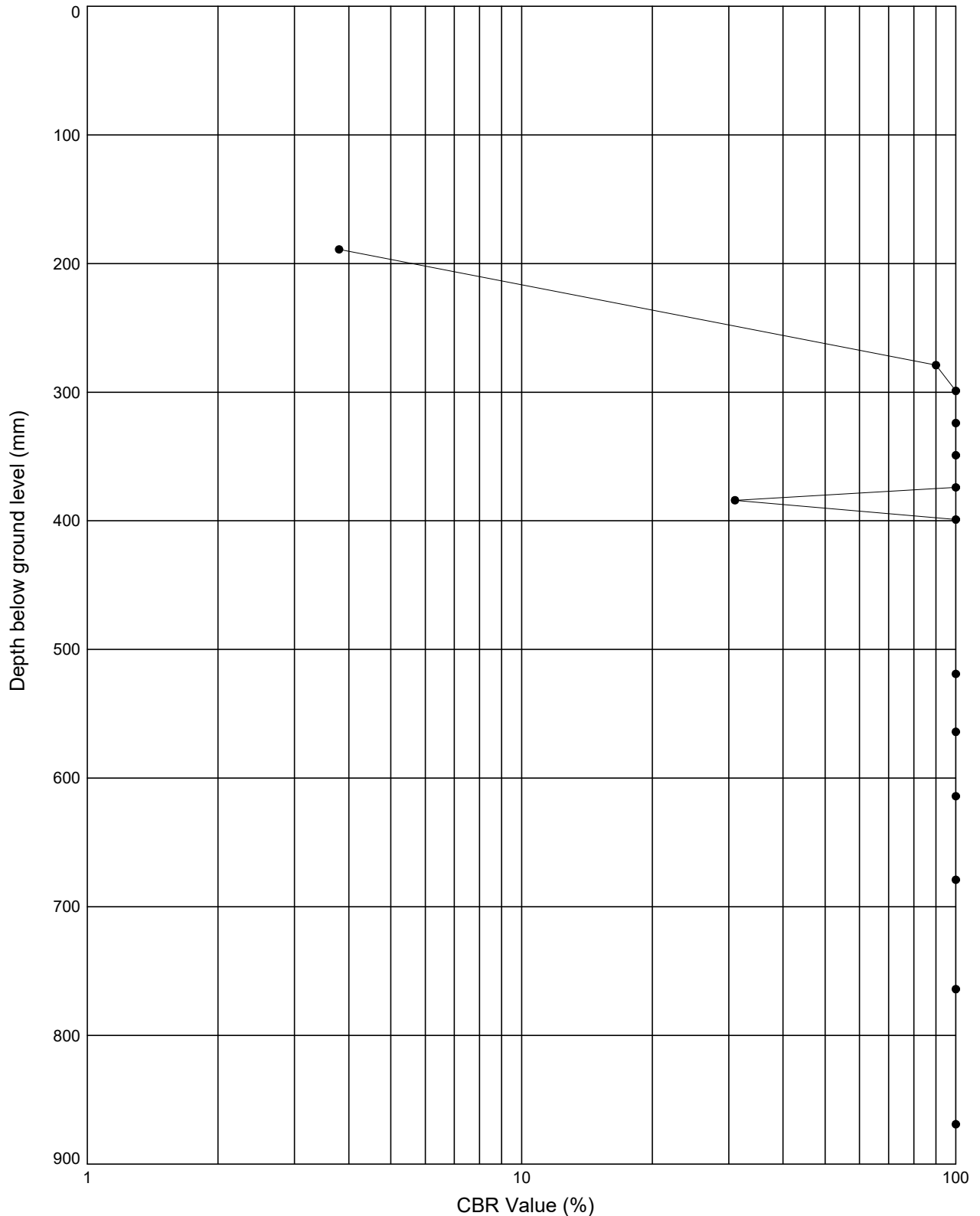
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS4**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
18 Frogmore Road
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Hertfordshire
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Compiled By

J. Ryne

Date

11/10/18

Checked By

Date

Contract

Ford Airfield

Contract Ref:

29228

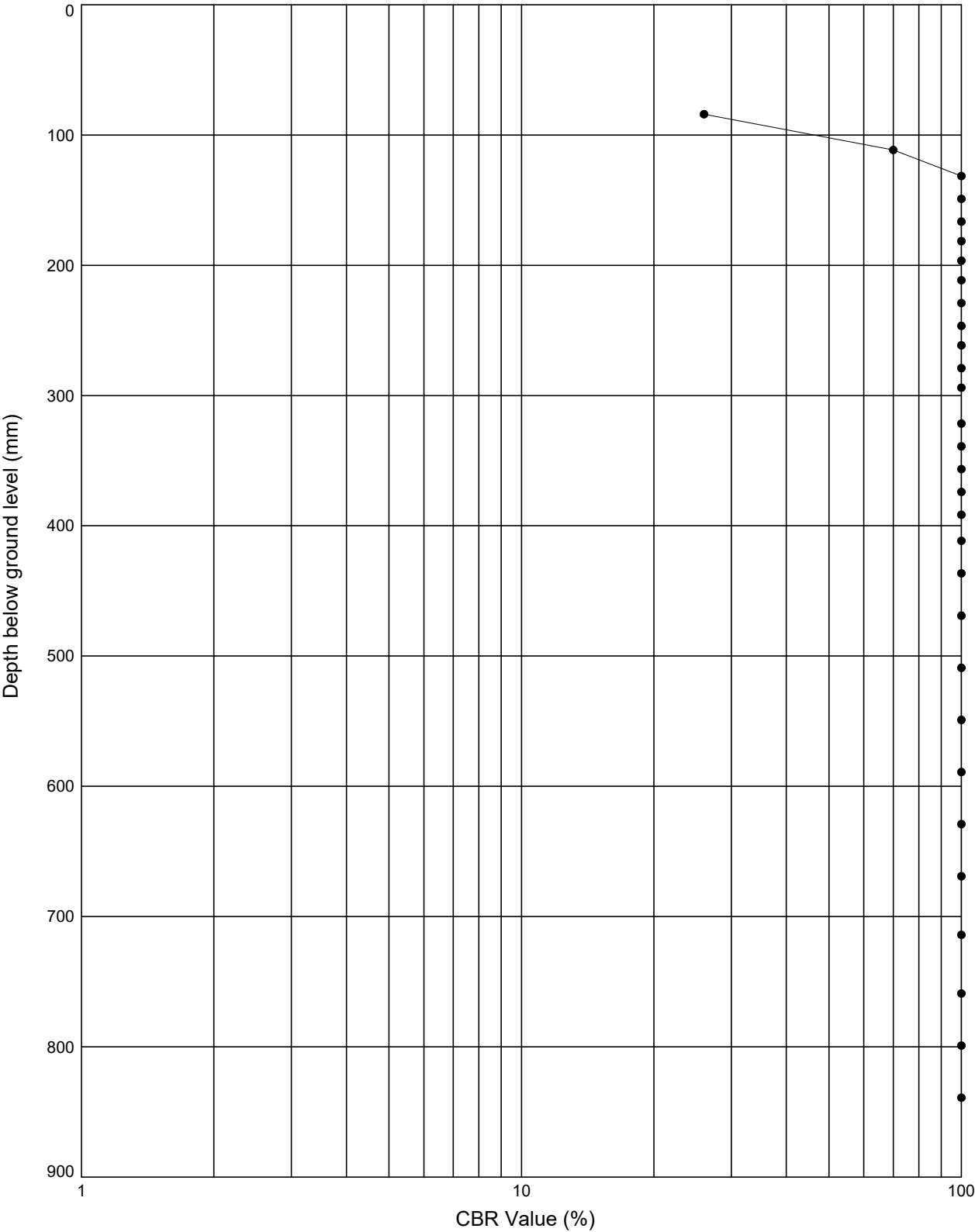
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : DCP_WS5

Test Date : 07.08.18

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

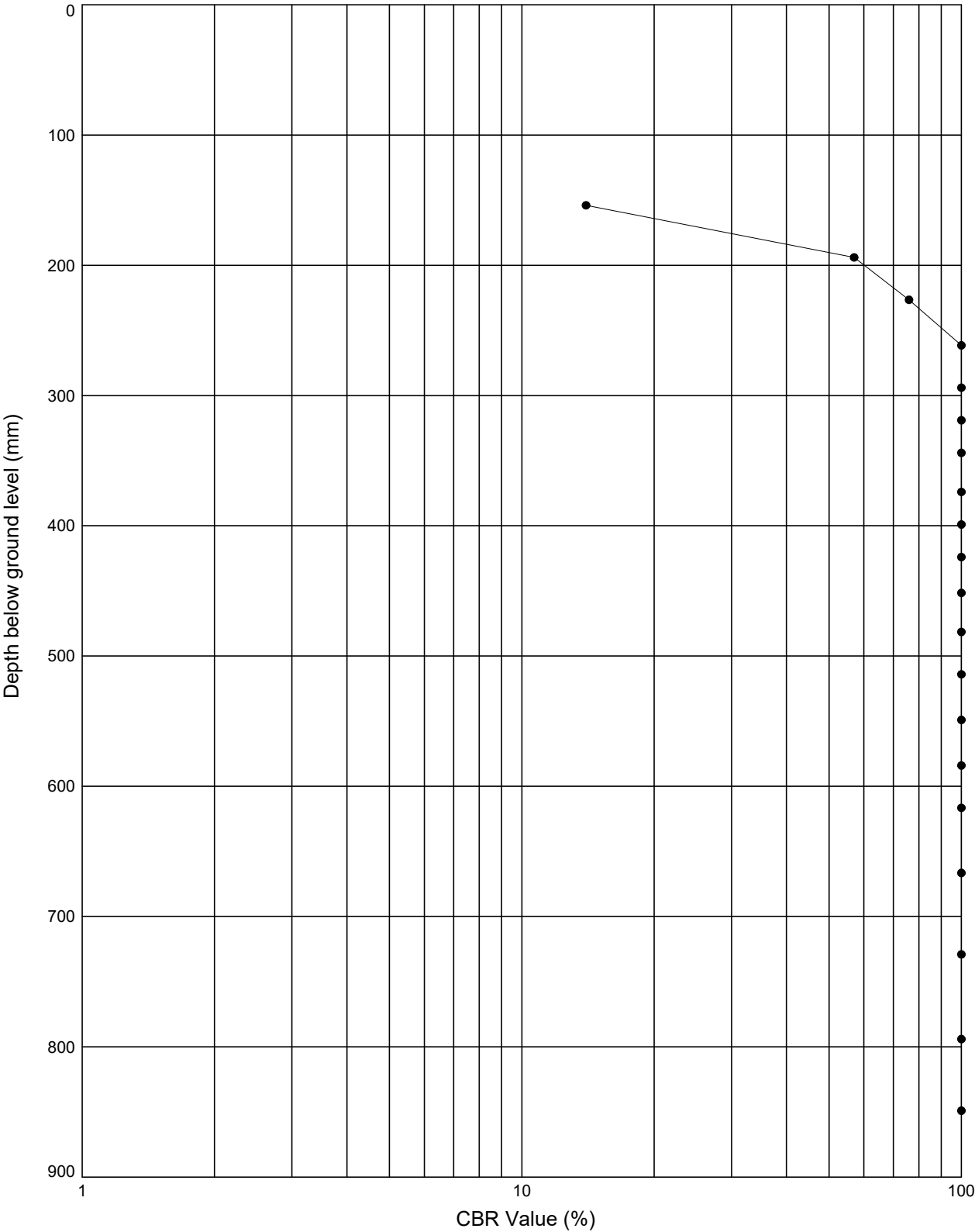
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS6**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd 18 Frogmore Road Hemel Hempstead Hertfordshire HP3 9RT	Compiled By	Date	Checked By	Date
	<i>J. Payne</i>	11/10/18		
	Contract Ford Airfield		Contract Ref: 29228	

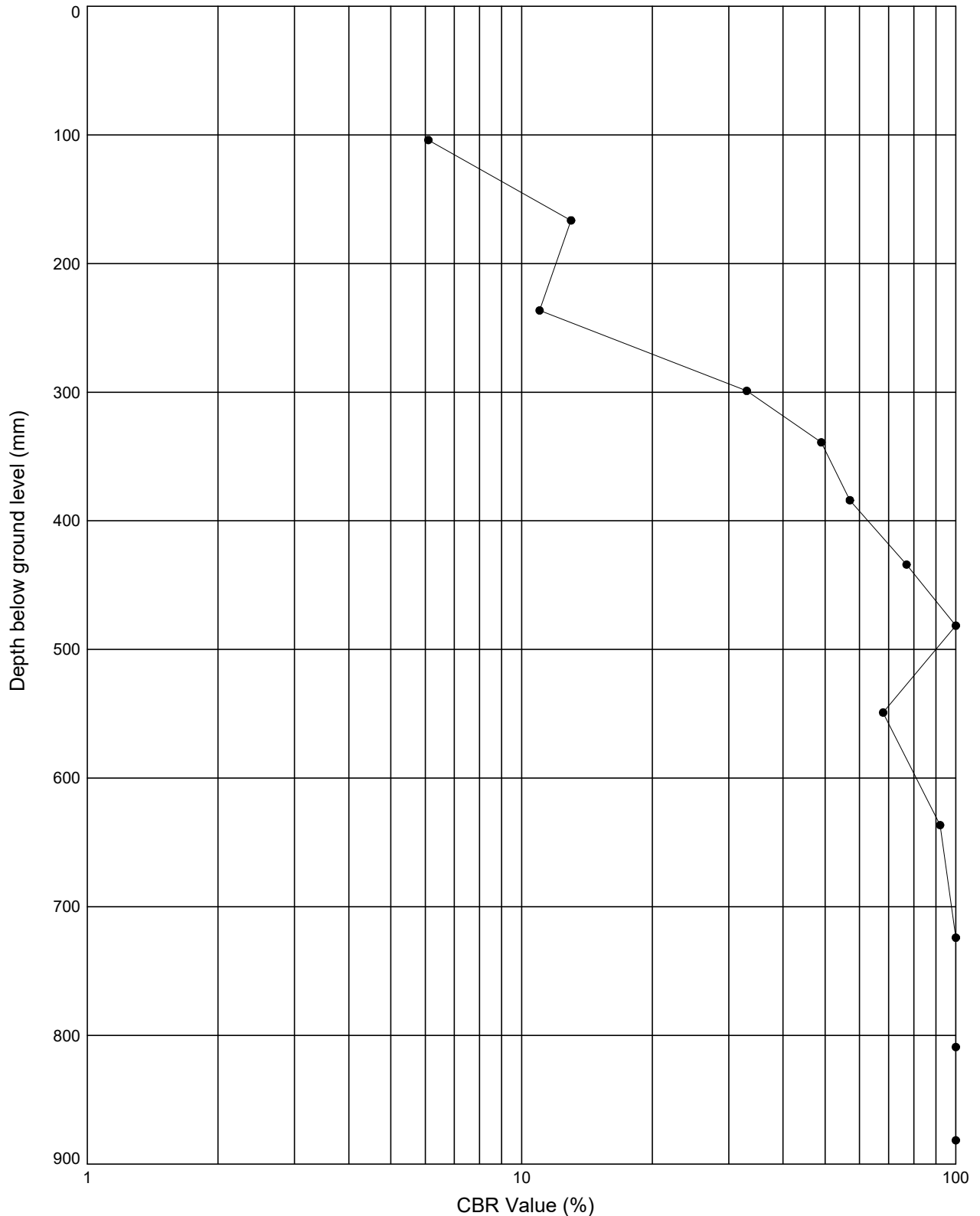
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS7**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By

J. Payne

Date

11/10/18

Checked By

Date

Contract

Ford Airfield

Contract Ref:

29228

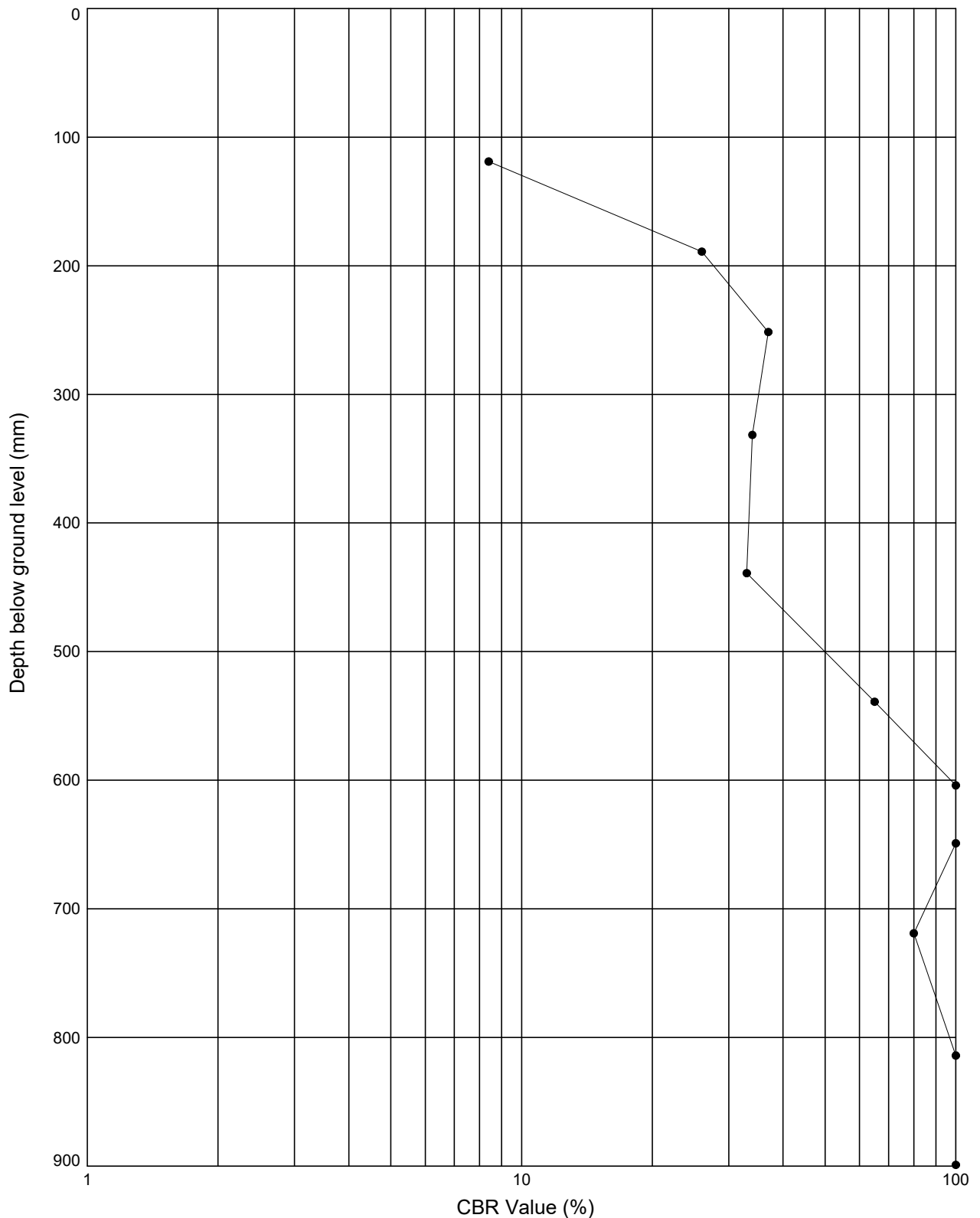
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS8**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By

J. Payne

Date

11/10/18

Checked By

Date

Contract

Ford Airfield

Contract Ref:

29228

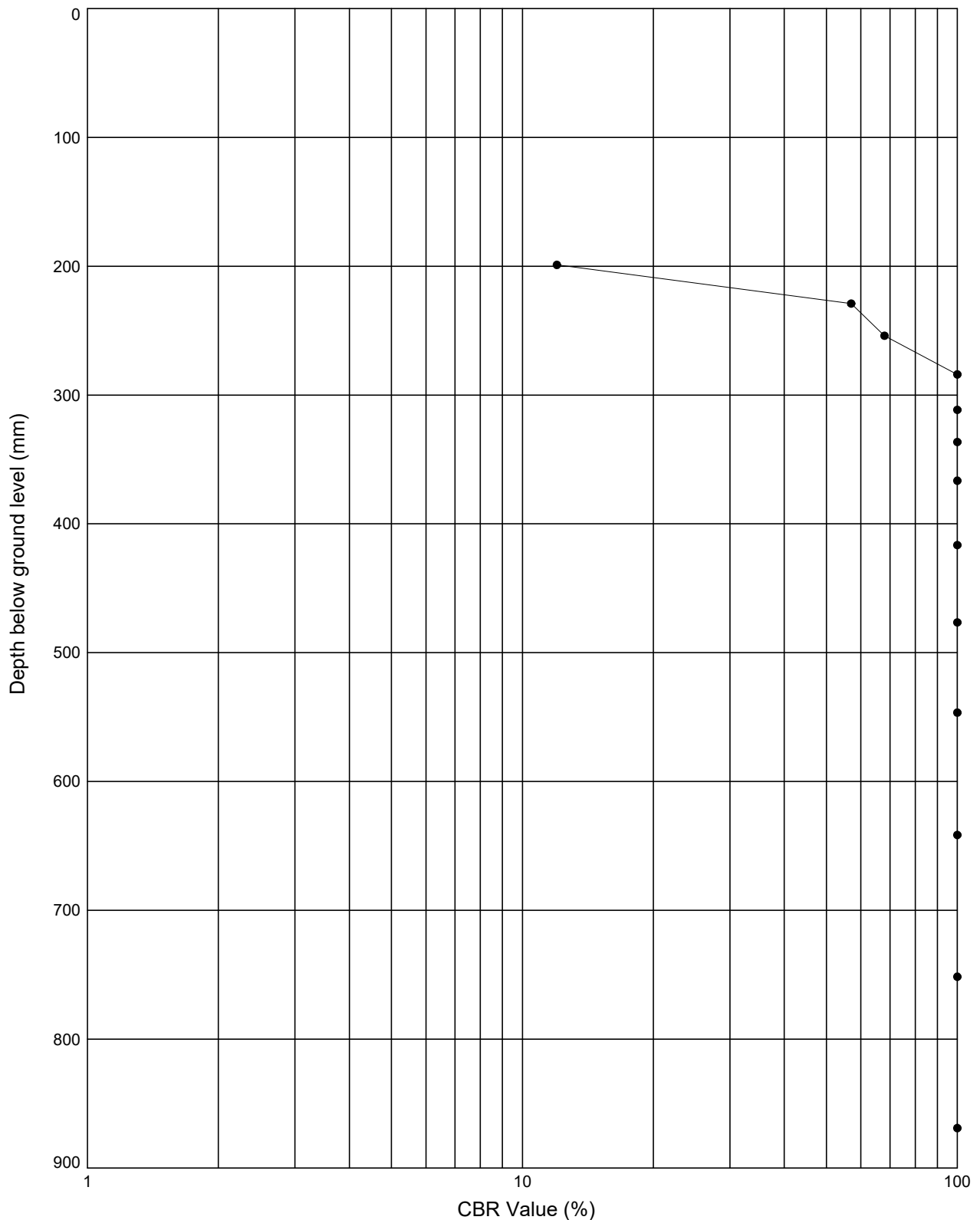
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS9**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By

Date

Checked By

Date

J. Payne

11/10/18

Contract

Ford Airfield

Contract Ref:

29228

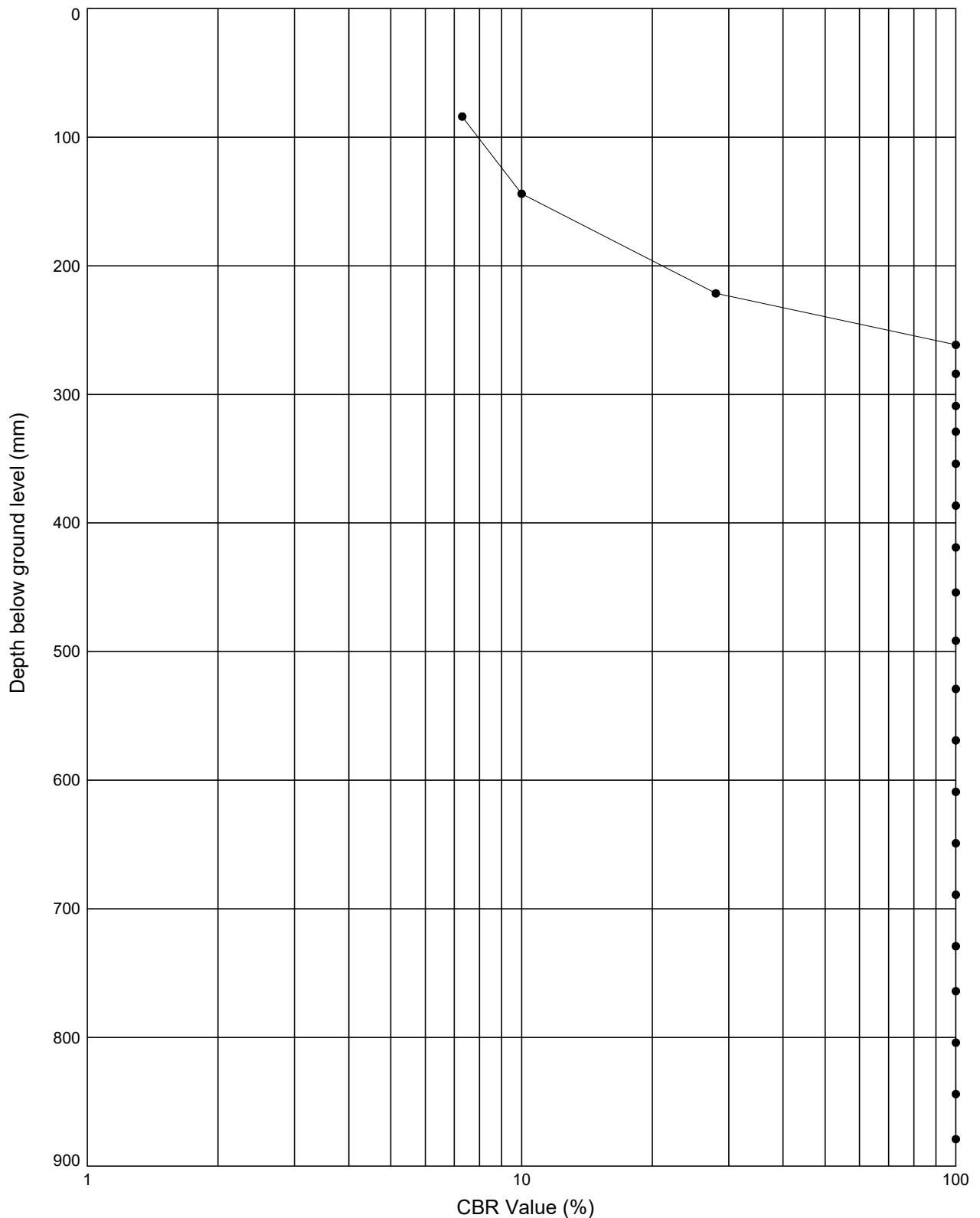
DCP TEST RESULTS - DEPTH vs CBR VALUE

Position Ref : **DCP_WS10**

Test Date : **07.08.18**

Ground Level: ---

National Grid Co-ordinates: ---



Notes: CBR values calculated after Smith and Pratt method. Values over 100% are plotted on the 100% line.

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By

Date

Checked By

Date

J. Payne

11/10/18

Contract

Ford Airfield

Contract Ref:

29228



APPENDIX F

LABORATORY CERTIFICATES FOR SOILS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/07181
Issue Number: 1

Date: 20 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter/Nigel Austin
Project Name: Ford AF
Project Ref: 29228
Order No: N/A
Date Samples Received: 31/08/18
Date Instructions Received: 07/09/18
Date Analysis Completed: 20/09/18

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Danielle Brierley
Client Manager

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/1	18/07181/4	18/07181/5	18/07181/6	18/07181/8	18/07181/10	18/07181/11	18/07181/12	Units	Method ref
Client Sample No		2	1	1	1	2		1		
Client Sample ID	S5	TP1	TP2	TP7	TP39	TP43	TP44	TP45		
Depth to Top	0.50	0.60	0.40	0.20	0.30	0.60	0.50	0.30		
Depth To Bottom										
Date Sampled	20-Aug-18	20-Aug-18	20-Aug-18	20-Aug-18	21-Aug-18	21-Aug-18	21-Aug-18	20-Aug-18		
Sample Type	Soil	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil	Soil - ES		
Sample Matrix Code	4	4	5E	4AE	4AE	4AE	4AE	4AE		
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	10.3	3.3	<0.1	<0.1	% w/w	A-T-044
Asbestos in soil _A [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		Subcon Chemtest
pH _D ^{M#}	6.98	7.36	7.12	7.48	7.76	7.57	7.63	7.23	pH	A-T-031s
Total Organic Carbon _D ^{M#}	0.97	0.86	-	-	9.80	0.76	0.71	-	% w/w	A-T-032s
Arsenic _D ^{M#}	2	2	2	3	27	3	5	6	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.0	1.0	1.0	1.1	2.3	1.2	1.2	1.3	mg/kg	A-T-024s
Copper _D ^{M#}	9	9	10	12	152	12	8	12	mg/kg	A-T-024s
Chromium _D ^{M#}	24	24	27	26	30	27	22	27	mg/kg	A-T-024s
Lead _D ^{M#}	25	16	14	24	410	18	19	20	mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	15	17	18	17	49	18	19	21	mg/kg	A-T-024s
Selenium _D [#]	3	1	<1	2	<1	<1	2	1	mg/kg	A-T-024s
Zinc _D ^{M#}	46	42	41	53	471	52	50	55	mg/kg	A-T-024s

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/1	18/07181/4	18/07181/5	18/07181/6	18/07181/8	18/07181/10	18/07181/11	18/07181/12	Units	Method ref
Client Sample No		2	1	1	1	2		1		
Client Sample ID	S5	TP1	TP2	TP7	TP39	TP43	TP44	TP45		
Depth to Top	0.50	0.60	0.40	0.20	0.30	0.60	0.50	0.30		
Depth To Bottom										
Date Sampled	20-Aug-18	20-Aug-18	20-Aug-18	20-Aug-18	21-Aug-18	21-Aug-18	21-Aug-18	20-Aug-18		
Sample Type	Soil	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil	Soil - ES		
Sample Matrix Code	4	4	5E	4AE	4AE	4AE	4AE	4AE		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Aldrin _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endrin _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Phorate _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Fenthion _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/1	18/07181/4	18/07181/5	18/07181/6	18/07181/8	18/07181/10	18/07181/11	18/07181/12	Units	Method ref
Client Sample No		2	1	1	1	2		1		
Client Sample ID	S5	TP1	TP2	TP7	TP39	TP43	TP44	TP45		
Depth to Top	0.50	0.60	0.40	0.20	0.30	0.60	0.50	0.30		
Depth To Bottom										
Date Sampled	20-Aug-18	20-Aug-18	20-Aug-18	20-Aug-18	21-Aug-18	21-Aug-18	21-Aug-18	20-Aug-18		
Sample Type	Soil	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil	Soil - ES		
Sample Matrix Code	4	4	5E	4AE	4AE	4AE	4AE	4AE		
Sulprofos _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/1	18/07181/4	18/07181/5	18/07181/6	18/07181/8	18/07181/10	18/07181/11	18/07181/12	Units	Method ref
Client Sample No		2	1	1	1	2		1		
Client Sample ID	S5	TP1	TP2	TP7	TP39	TP43	TP44	TP45		
Depth to Top	0.50	0.60	0.40	0.20	0.30	0.60	0.50	0.30		
Depth To Bottom										
Date Sampled	20-Aug-18	20-Aug-18	20-Aug-18	20-Aug-18	21-Aug-18	21-Aug-18	21-Aug-18	20-Aug-18		
Sample Type	Soil	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil	Soil - ES		
Sample Matrix Code	4	4	5E	4AE	4AE	4AE	4AE	4AE		
PAH-16MS										
Acenaphthene _A ^{M#}	0.07	<0.01	<0.01	0.03	0.13	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.01	<0.01	<0.01	0.01	0.25	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Anthracene _A ^{M#}	0.19	<0.02	<0.02	0.09	0.91	<0.02	<0.02	<0.02	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.78	<0.04	<0.04	0.46	5.71	<0.04	0.10	<0.04	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.75	<0.04	<0.04	0.47	5.87	<0.04	0.12	<0.04	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.79	<0.05	<0.05	0.53	5.98	<0.05	0.12	<0.05	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.39	<0.05	<0.05	0.26	3.05	<0.05	0.08	<0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.33	<0.07	<0.07	0.21	2.11	<0.07	<0.07	<0.07	mg/kg	A-T-019s
Chrysene _A ^{M#}	0.92	<0.06	<0.06	0.60	5.75	<0.06	0.14	<0.06	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.09	<0.04	<0.04	0.06	0.60	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	1.97	<0.08	<0.08	1.12	10.8	<0.08	0.24	<0.08	mg/kg	A-T-019s
Fluorene _A ^{M#}	0.05	<0.01	<0.01	0.03	0.13	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.46	<0.03	<0.03	0.29	3.71	<0.03	0.08	<0.03	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	1.05	<0.03	<0.03	0.56	3.17	<0.03	0.12	<0.03	mg/kg	A-T-019s
Pyrene _A ^{M#}	1.65	<0.07	<0.07	0.97	9.94	<0.07	0.21	<0.07	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	9.50	<0.08	<0.08	5.69	58.2	<0.08	1.21	<0.08	mg/kg	A-T-019s
TPH Banded 6 with CLEAN UP + ID										
>C6-C8 _A ^{M#}	-	-	<5	-	-	-	-	-	mg/kg	A-T-007s
>C8-C10 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-007s
>C10-C12 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-007s
>C12-C16 _A ^{M#}	-	-	2	-	-	-	-	-	mg/kg	A-T-007s
>C16-C21 _A ^{M#}	-	-	<2	-	-	-	-	-	mg/kg	A-T-007s
>C21-C28 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-007s
>C28-C40 _A [#]	-	-	<1	-	-	-	-	-	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	-	-	Unknown profile	-	-	-	-	-		A-T-007s
Total TPH Banded 6 with CLEAN UP + ID _A	-	-	<5	-	-	-	-	-	mg/kg	A-T-007s

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/1	18/07181/4	18/07181/5	18/07181/6	18/07181/8	18/07181/10	18/07181/11	18/07181/12	Units	Method ref
Client Sample No		2	1	1	1	2		1		
Client Sample ID	S5	TP1	TP2	TP7	TP39	TP43	TP44	TP45		
Depth to Top	0.50	0.60	0.40	0.20	0.30	0.60	0.50	0.30		
Depth To Bottom										
Date Sampled	20-Aug-18	20-Aug-18	20-Aug-18	20-Aug-18	21-Aug-18	21-Aug-18	21-Aug-18	20-Aug-18		
Sample Type	Soil	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil	Soil - ES		
Sample Matrix Code	4	4	5E	4AE	4AE	4AE	4AE	4AE		
TPH CWG										
Ali >C5-C6 _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Ali >C10-C12 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Ali >C12-C16 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Ali >C16-C21 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Ali >C21-C35 _A	-	2	-	-	-	-	-	-	mg/kg	A-T-055s
Total Aliphatics >C5-C35 _A	-	2	-	-	-	-	-	-	mg/kg	A-T-055s
Aro >C5-C7 _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C10 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Aro >C10-C12 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Aro >C12-C16 _A	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Aro >C16-C21 _A ^{M#}	-	<1	-	-	-	-	-	-	mg/kg	A-T-055s
Aro >C21-C35 _A ^{M#}	-	6	-	-	-	-	-	-	mg/kg	A-T-055s
Total Aromatics >C5-C35 _A	-	6	-	-	-	-	-	-	mg/kg	A-T-055s
TPH (Ali & Aro >C5-C35) _A	-	8	-	-	-	-	-	-	mg/kg	A-T-055s
BTEX - Benzene _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	-	<0.01	-	-	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/13	18/07181/14	18/07181/15	18/07181/16	18/07181/17	18/07181/18	18/07181/19	18/07181/20	Units	Method ref
Client Sample No										
Client Sample ID	BH1	BH2	BH2	BH4	BH4	BH3	BH3	BH6		
Depth to Top	5.60	4.00	7.00	1.00	6.80	2.75	12.00	1.00		
Depth To Bottom										
Date Sampled	13-Aug-18	14-Aug-18	14-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18	16-Aug-18	21-Aug-18		
Sample Type	Solid	Soil	Solid	Soil	Solid	Soil	Solid	Soil		
Sample Matrix Code	7	6A	7	3A	7	5A	7	4A		
% Stones >10mm _A	<0.1	4.3	<0.1	<0.1	<0.1	6.5	<0.1	14.5	% w/w	A-T-044
pH _D ^{M#}	8.83	8.39	8.57	7.67	8.88	8.10	9.05	8.08	pH	A-T-031s
pH BRE _D ^{M#}	8.83	8.39	8.57	7.67	8.88	8.10	9.05	8.08	pH	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	13	<10	47	<10	<10	<10	12	12	mg/l	A-T-026s

Envirolab Job Number: 18/07181

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07181/21	18/07181/22							Units	Method ref
Client Sample No										
Client Sample ID	BH6	BH6								
Depth to Top	3.00	5.00								
Depth To Bottom										
Date Sampled	21-Aug-18	22-Aug-18								
Sample Type	Soil	Solid								
Sample Matrix Code	5A	7								
% Stones >10mm _A	7.8	<0.1							% w/w	A-T-044
pH _D ^{M#}	8.14	8.93							pH	A-T-031s
pH BRE _D ^{M#}	8.14	8.93							pH	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	<10	<10							mg/l	A-T-026s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed.

Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/07011
Issue Number: 1

Date: 14 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter/Nigel Austin
Project Name: Ford AF
Project Ref: 29228
Order No: N/A
Date Samples Received: 22/08/18
Date Instructions Received: 03/09/18
Date Analysis Completed: 14/09/18

Prepared by:



Richard Wong
Client Manager

Approved by:



Georgia King
Admin & Client Services Supervisor

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/6	18/07011/7	18/07011/11	18/07011/14	18/07011/52	18/07011/58	18/07011/61	18/07011/65	Units	Method ref
Client Sample No										
Client Sample ID	S6A	S6B	S7	S8	TP27	TP29	TP30	TP31		
Depth to Top	0.45	0.50	0.40	0.50	0.20	0.40	0.60	0.50		
Depth To Bottom										
Date Sampled	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AE	4AE	4ABE	4E	4E	5A	5	6E		
% Stones >10mm _A	3.7	7.0	1.9	<0.1	<0.1	12.7	<0.1	<0.1	% w/w	A-T-044
pH _D ^{M#}	7.89	7.89	7.64	7.92	6.90	7.90	8.00	7.41	pH	A-T-031s
Total Organic Carbon _D ^{M#}	1.32	1.46	1.59	-	-	-	0.59	0.58	% w/w	A-T-032s
Arsenic _D ^{M#}	6	6	5	2	3	10	7	5	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.6	<0.5	<0.5	<0.5	<0.5	0.5	0.7	0.8	mg/kg	A-T-024s
Copper _D ^{M#}	39	35	27	10	13	10	12	11	mg/kg	A-T-024s
Chromium _D ^{M#}	29	20	28	25	21	19	31	33	mg/kg	A-T-024s
Lead _D ^{M#}	70	36	73	14	25	28	16	15	mg/kg	A-T-024s
Mercury _D	0.21	<0.17	0.36	<0.17	<0.17	0.39	0.35	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	20	18	17	16	14	19	24	26	mg/kg	A-T-024s
Selenium _D [#]	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	129	65	103	64	49	50	55	57	mg/kg	A-T-024s

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/6	18/07011/7	18/07011/11	18/07011/14	18/07011/52	18/07011/58	18/07011/61	18/07011/65	Units	Method ref
Client Sample No										
Client Sample ID	S6A	S6B	S7	S8	TP27	TP29	TP30	TP31		
Depth to Top	0.45	0.50	0.40	0.50	0.20	0.40	0.60	0.50		
Depth To Bottom										
Date Sampled	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AE	4AE	4ABE	4E	4E	5A	5	6E		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A #	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		Subcon Chemtest

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/6	18/07011/7	18/07011/11	18/07011/14	18/07011/52	18/07011/58	18/07011/61	18/07011/65	Units	Method ref
Client Sample No										
Client Sample ID	S6A	S6B	S7	S8	TP27	TP29	TP30	TP31		
Depth to Top	0.45	0.50	0.40	0.50	0.20	0.40	0.60	0.50		
Depth To Bottom										
Date Sampled	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AE	4AE	4ABE	4E	4E	5A	5	6E		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Heptachlor _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Aldrin _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Dieldrin _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endrin _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Endrin Ketone _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Methoxychlor _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Demeton-O _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Demeton-S _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Phorate _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Disulfoton _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Fenthion _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Trichloronate _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Fensulphothion _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/6	18/07011/7	18/07011/11	18/07011/14	18/07011/52	18/07011/58	18/07011/61	18/07011/65	Units	Method ref
Client Sample No										
Client Sample ID	S6A	S6B	S7	S8	TP27	TP29	TP30	TP31		
Depth to Top	0.45	0.50	0.40	0.50	0.20	0.40	0.60	0.50		
Depth To Bottom										
Date Sampled	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AE	4AE	4ABE	4E	4E	5A	5	6E		
Sulprofos _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Azinphos-methyl _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest
Coumaphos _A	-	-	<0.2	-	<0.2	<0.2	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/6	18/07011/7	18/07011/11	18/07011/14	18/07011/52	18/07011/58	18/07011/61	18/07011/65	Units	Method ref
Client Sample No										
Client Sample ID	S6A	S6B	S7	S8	TP27	TP29	TP30	TP31		
Depth to Top	0.45	0.50	0.40	0.50	0.20	0.40	0.60	0.50		
Depth To Bottom										
Date Sampled	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	16-Aug-18	17-Aug-18	17-Aug-18	16-Aug-18		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4AE	4AE	4ABE	4E	4E	5A	5	6E		
PAH-16MS										
Acenaphthene _A ^{M#}	-	0.27	0.10	0.02	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	-	0.05	0.02	<0.01	<0.01	0.02	<0.01	<0.01	mg/kg	A-T-019s
Anthracene _A ^{M#}	-	0.84	0.42	0.06	<0.02	0.06	<0.02	<0.02	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	3.64	1.33	0.25	0.07	0.26	<0.04	<0.04	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	3.68	1.02	0.20	0.07	0.20	<0.04	<0.04	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	4.04	1.19	0.24	0.08	0.25	<0.05	<0.05	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	1.51	0.38	0.08	<0.05	0.08	<0.05	<0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	1.44	0.39	0.08	<0.07	0.09	<0.07	<0.07	mg/kg	A-T-019s
Chrysene _A ^{M#}	-	3.78	1.32	0.28	0.11	0.27	<0.06	<0.06	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	0.33	0.09	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	-	9.51	3.44	0.55	0.18	0.50	<0.08	<0.08	mg/kg	A-T-019s
Fluorene _A ^{M#}	-	0.25	0.11	0.02	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	2.02	0.54	0.11	0.05	0.11	<0.03	<0.03	mg/kg	A-T-019s
Naphthalene _A ^{M#}	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	-	4.87	1.71	0.28	0.10	0.15	<0.03	<0.03	mg/kg	A-T-019s
Pyrene _A ^{M#}	-	7.87	2.83	0.44	0.16	0.41	<0.07	<0.07	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	-	44.1	14.9	2.61	0.82	2.40	<0.08	<0.08	mg/kg	A-T-019s
TPH Banded 6 with CLEAN UP + ID										
>C6-C8 _A ^{M#}	<5	<5	-	<5	-	<5	-	-	mg/kg	A-T-007s
>C8-C10 _A ^{M#}	<1	<1	-	<1	-	<1	-	-	mg/kg	A-T-007s
>C10-C12 _A ^{M#}	<1	<1	-	<1	-	<1	-	-	mg/kg	A-T-007s
>C12-C16 _A ^{M#}	4	<2	-	<2	-	<2	-	-	mg/kg	A-T-007s
>C16-C21 _A ^{M#}	6	<2	-	<2	-	<2	-	-	mg/kg	A-T-007s
>C21-C28 _A ^{M#}	6	<1	-	<1	-	<1	-	-	mg/kg	A-T-007s
>C28-C40 _A [#]	23	<1	-	<1	-	2	-	-	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	Unknown profile	Unknown profile	-	Unknown profile	-	Unknown profile	-	-		A-T-007s
Total TPH Banded 6 with CLEAN UP + ID _A	39	<5	-	<5	-	<5	-	-	mg/kg	A-T-007s

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/66	18/07011/70							Units	Method ref
Client Sample No										
Client Sample ID	TP32	TP37								
Depth to Top	0.50	0.30								
Depth To Bottom										
Date Sampled	16-Aug-18	17-Aug-18								
Sample Type	Soil	Soil								
Sample Matrix Code	4AE	4E								
% Stones >10mm _A	<0.1	<0.1							% w/w	A-T-044
pH _D ^{M#}	7.72	7.42							pH	A-T-031s
Total Organic Carbon _D ^{M#}	0.84	1.86							% w/w	A-T-032s
Arsenic _D ^{M#}	4	4							mg/kg	A-T-024s
Cadmium _D ^{M#}	0.5	0.7							mg/kg	A-T-024s
Copper _D ^{M#}	8	22							mg/kg	A-T-024s
Chromium _D ^{M#}	20	25							mg/kg	A-T-024s
Lead _D ^{M#}	15	35							mg/kg	A-T-024s
Mercury _D	<0.17	<0.17							mg/kg	A-T-024s
Nickel _D ^{M#}	16	19							mg/kg	A-T-024s
Selenium _D [#]	2	1							mg/kg	A-T-024s
Zinc _D ^{M#}	40	75							mg/kg	A-T-024s

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/66	18/07011/70							Units	Method ref
Client Sample No										
Client Sample ID	TP32	TP37								
Depth to Top	0.50	0.30								
Depth To Bottom										
Date Sampled	16-Aug-18	17-Aug-18								
Sample Type	Soil	Soil								
Sample Matrix Code	4AE	4E								
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD								Subcon Chemtest

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/66	18/07011/70							Units	Method ref	
Client Sample No											
Client Sample ID	TP32	TP37									
Depth to Top	0.50	0.30									
Depth To Bottom											
Date Sampled	16-Aug-18	17-Aug-18									
Sample Type	Soil	Soil									
Sample Matrix Code	4AE	4E									
OCP+OPP Combined Pesticides											
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	-							mg/kg	Subcon Chemtest	
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	-							mg/kg	Subcon Chemtest	
beta-Hexachlorocyclohexane (HCH) _A	<0.2	-							mg/kg	Subcon Chemtest	
delta-Hexachlorocyclohexane (HCH) _A	<0.2	-							mg/kg	Subcon Chemtest	
Heptachlor _A	<0.2	-							mg/kg	Subcon Chemtest	
Aldrin _A	<0.2	-							mg/kg	Subcon Chemtest	
Heptachlor Epoxide _A	<0.2	-							mg/kg	Subcon Chemtest	
trans-Chlordane (Gamma) _A	<0.2	-							mg/kg	Subcon Chemtest	
cis-Chlordane (Alpha) _A	<0.2	-							mg/kg	Subcon Chemtest	
Endosulphan I (Alpha) _A	<0.2	-							mg/kg	Subcon Chemtest	
Endosulphan II (Beta) _A	<0.2	-							mg/kg	Subcon Chemtest	
Endosulphan Sulphate _A	<0.2	-							mg/kg	Subcon Chemtest	
p,p-DDD (TDE) (4,4) _A	<0.2	-							mg/kg	Subcon Chemtest	
p,p-DDE (4,4) _A	<0.2	-							mg/kg	Subcon Chemtest	
p,p-DDT (4,4) _A	<0.2	-							mg/kg	Subcon Chemtest	
Dieldrin _A	<0.2	-							mg/kg	Subcon Chemtest	
Endrin _A	<0.2	-							mg/kg	Subcon Chemtest	
Endrin Aldehyde _A	<0.2	-							mg/kg	Subcon Chemtest	
Endrin Ketone _A	<0.2	-							mg/kg	Subcon Chemtest	
Methoxychlor _A	<0.2	-							mg/kg	Subcon Chemtest	
Demeton-O _A	<0.2	-							mg/kg	Subcon Chemtest	
Demeton-S _A	<0.2	-							mg/kg	Subcon Chemtest	
Phorate _A	<0.2	-							mg/kg	Subcon Chemtest	
Disulfotona _A	<0.2	-							mg/kg	Subcon Chemtest	
Fenthion _A	<0.2	-							mg/kg	Subcon Chemtest	
Trichloronate _A	<0.2	-							mg/kg	Subcon Chemtest	
Prothiofos (Tokuthion) _A	<0.2	-							mg/kg	Subcon Chemtest	
Fensulphothion _A	<0.2	-							mg/kg	Subcon Chemtest	

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/66	18/07011/70							Units	Method ref
Client Sample No										
Client Sample ID	TP32	TP37								
Depth to Top	0.50	0.30								
Depth To Bottom										
Date Sampled	16-Aug-18	17-Aug-18								
Sample Type	Soil	Soil								
Sample Matrix Code	4AE	4E								
Sulprofos _A	<0.2	-							mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	-							mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	-							mg/kg	Subcon Chemtest

Envirolab Job Number: 18/07011

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07011/66	18/07011/70							Units	Method ref	
Client Sample No											
Client Sample ID	TP32	TP37									
Depth to Top	0.50	0.30									
Depth To Bottom											
Date Sampled	16-Aug-18	17-Aug-18									
Sample Type	Soil	Soil									
Sample Matrix Code	4AE	4E									
PAH-16MS											
Acenaphthene _A ^{M#}	0.02	<0.01							mg/kg	A-T-019s	
Acenaphthylene _A ^{M#}	<0.01	0.02							mg/kg	A-T-019s	
Anthracene _A ^{M#}	0.07	0.06							mg/kg	A-T-019s	
Benzo(a)anthracene _A ^{M#}	0.34	0.34							mg/kg	A-T-019s	
Benzo(a)pyrene _A ^{M#}	0.29	0.29							mg/kg	A-T-019s	
Benzo(b)fluoranthene _A ^{M#}	0.31	0.37							mg/kg	A-T-019s	
Benzo(ghi)perylene _A ^{M#}	0.11	0.11							mg/kg	A-T-019s	
Benzo(k)fluoranthene _A ^{M#}	0.12	0.12							mg/kg	A-T-019s	
Chrysene _A ^{M#}	0.38	0.43							mg/kg	A-T-019s	
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04							mg/kg	A-T-019s	
Fluoranthene _A ^{M#}	0.76	0.87							mg/kg	A-T-019s	
Fluorene _A ^{M#}	0.01	0.02							mg/kg	A-T-019s	
Indeno(123-cd)pyrene _A ^{M#}	0.15	0.15							mg/kg	A-T-019s	
Naphthalene _A ^{M#}	<0.03	<0.03							mg/kg	A-T-019s	
Phenanthrene _A ^{M#}	0.28	0.45							mg/kg	A-T-019s	
Pyrene _A ^{M#}	0.67	0.70							mg/kg	A-T-019s	
Total PAH-16MS _A ^{M#}	3.51	3.93							mg/kg	A-T-019s	
TPH Banded 6 with CLEAN UP + ID											
>C6-C8 _A ^{M#}	<5	<5							mg/kg	A-T-007s	
>C8-C10 _A ^{M#}	<1	<1							mg/kg	A-T-007s	
>C10-C12 _A ^{M#}	<1	<1							mg/kg	A-T-007s	
>C12-C16 _A ^{M#}	<2	<2							mg/kg	A-T-007s	
>C16-C21 _A ^{M#}	<2	<2							mg/kg	A-T-007s	
>C21-C28 _A ^{M#}	<1	<1							mg/kg	A-T-007s	
>C28-C40 _A [#]	<1	<1							mg/kg	A-T-007s	
TPH ID (for FID characterisations) _A	Unknown profile	Unknown profile								A-T-007s	
Total TPH Banded 6 with CLEAN UP + ID _A	<5	<5							mg/kg	A-T-007s	

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/06926
Issue Number: 1

Date: 12 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter
Project Name: Ford AF
Project Ref: 29228
Order No: N/A
Date Samples Received: 24/08/18
Date Instructions Received: 30/08/18
Date Analysis Completed: 12/09/18

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Georgia King
Admin & Client Services Supervisor

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
% Stones >10mm _A	<0.1	-	15.5	-	6.1	-	<0.1	9.7	% w/w	A-T-044
pH _D ^{M#}	8.05	-	8.30	-	7.90	-	-	8.26	pH	A-T-031s
Total Organic Carbon _D ^{M#}	0.44	-	1.59	-	3.44	-	-	2.06	% w/w	A-T-032s
Arsenic _D ^{M#}	<1	-	4	-	2	-	-	3	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.8	-	0.6	-	0.6	-	-	0.6	mg/kg	A-T-024s
Copper _D ^{M#}	11	-	20	-	12	-	-	14	mg/kg	A-T-024s
Chromium _D ^{M#}	40	-	22	-	19	-	-	23	mg/kg	A-T-024s
Lead _D ^{M#}	21	-	57	-	27	-	-	61	mg/kg	A-T-024s
Mercury _D	<0.17	-	<0.17	-	<0.17	-	-	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	35	-	21	-	18	-	-	20	mg/kg	A-T-024s
Selenium _D [#]	<1	-	<1	-	<1	-	-	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	61	-	76	-	69	-	-	87	mg/kg	A-T-024s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	Chrysotile	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	-	-	loose fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Aldrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Phorate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Fenthion _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
Sulprofos _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	-	0.02	-	0.05	-	0.26	0.04	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	0.03	-	0.01	-	0.04	0.13	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	0.07	-	0.14	-	0.68	0.28	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	-	0.45	-	0.82	-	3.31	3.75	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	-	0.55	-	0.95	-	3.50	5.22	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	0.55	-	1.01	-	3.65	5.49	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	0.34	-	0.49	-	1.65	2.60	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	0.24	-	0.39	-	1.56	2.28	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	0.43	-	0.80	-	3.17	3.58	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	0.07	-	0.10	-	0.39	0.61	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	0.80	-	1.69	-	7.19	4.98	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	<0.01	-	0.03	-	0.18	0.03	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	-	0.39	-	0.56	-	1.95	3.07	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	<0.03	-	<0.03	-	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	-	0.27	-	0.68	-	2.94	0.85	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	0.73	-	1.50	-	6.42	5.46	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	-	4.94	-	9.22	-	36.9	38.4	mg/kg	A-T-019s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
TPH CWG										
Ali >C5-C6 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C10-C12 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C12-C16 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C16-C21 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C21-C35 _A	-	-	7	-	-	-	-	-	mg/kg	A-T-055s
Total Aliphatics >C5-C35 _A	-	-	8	-	-	-	-	-	mg/kg	A-T-055s
Aro >C5-C7 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C10 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Aro >C10-C12 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Aro >C12-C16 _A	-	-	2	-	-	-	-	-	mg/kg	A-T-055s
Aro >C16-C21 _A ^{M#}	-	-	9	-	-	-	-	-	mg/kg	A-T-055s
Aro >C21-C35 _A ^{M#}	-	-	45	-	-	-	-	-	mg/kg	A-T-055s
Total Aromatics >C5-C35 _A	-	-	56	-	-	-	-	-	mg/kg	A-T-055s
TPH (Ali & Aro >C5-C35) _A	-	-	65	-	-	-	-	-	mg/kg	A-T-055s
BTEX - Benzene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
% Stones >10mm _A	-	-	1.5	<0.1					% w/w	A-T-044
pH _D ^{M#}	-	-	8.36	8.54					pH	A-T-031s
Total Organic Carbon _D ^{M#}	-	-	1.07	0.97					% w/w	A-T-032s
Arsenic _D ^{M#}	-	-	3	4					mg/kg	A-T-024s
Cadmium _D ^{M#}	-	-	0.6	<0.5					mg/kg	A-T-024s
Copper _D ^{M#}	-	-	10	6					mg/kg	A-T-024s
Chromium _D ^{M#}	-	-	20	15					mg/kg	A-T-024s
Lead _D ^{M#}	-	-	76	38					mg/kg	A-T-024s
Mercury _D	-	-	<0.17	<0.17					mg/kg	A-T-024s
Nickel _D ^{M#}	-	-	18	12					mg/kg	A-T-024s
Selenium _D [#]	-	-	<1	<1					mg/kg	A-T-024s
Zinc _D ^{M#}	-	-	66	49					mg/kg	A-T-024s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	Amosite						A-T-045
Asbestos Matrix (microscope) _A	-	-	-	loose fibres						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A						

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
PAH-16MS										
Acenaphthene _A ^{M#}	-	-	<0.01	<0.01					mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	-	-	<0.01	0.02					mg/kg	A-T-019s
Anthracene _A ^{M#}	-	-	0.03	0.04					mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	-	0.15	0.18					mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	-	0.16	0.23					mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	-	0.16	0.23					mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	-	0.10	0.17					mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	-	0.09	0.11					mg/kg	A-T-019s
Chrysene _A ^{M#}	-	-	0.15	0.20					mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	-	<0.04	<0.04					mg/kg	A-T-019s
Fluoranthene _A ^{M#}	-	-	0.24	0.30					mg/kg	A-T-019s
Fluorene _A ^{M#}	-	-	<0.01	<0.01					mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	-	0.11	0.18					mg/kg	A-T-019s
Naphthalene _A ^{M#}	-	-	<0.03	<0.03					mg/kg	A-T-019s
Phenanthrene _A ^{M#}	-	-	0.10	0.11					mg/kg	A-T-019s
Pyrene _A ^{M#}	-	-	0.20	0.28					mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	-	-	1.49	2.05					mg/kg	A-T-019s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/06813
Issue Number: 1

Date: 10 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter/Nigel Austin
Project Name: Ford Airfield
Project Ref: 29228
Order No: N/A
Date Samples Received: 17/08/18
Date Instructions Received: 28/08/18
Date Analysis Completed: 09/09/18

Prepared by:


Melanie Marshall
Laboratory Coordinator

Approved by:


Richard Wong
Client Manager

Envirolab Job Number: 18/06813

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06813/1	18/06813/3	18/06813/4	18/06813/6	18/06813/8	18/06813/10	18/06813/12	18/06813/14	Units	Method ref
Client Sample No										
Client Sample ID	TP15	TP17	TP18	TP20	TP22	TP24	TP26	TP35		
Depth to Top	0.30	0.50	0.40	0.20	0.50	0.30	0.40	0.20		
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	6E	4A	5	6AE	5A	5	5	6AE		
% Stones >10mm _A	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	% w/w	A-T-044
pH _D ^{M#}	6.37	7.21	7.77	7.85	7.77	7.87	7.75	6.96	pH	A-T-031s
Total Organic Carbon _D ^{M#}	-	1.34	-	-	-	-	-	-	% w/w	A-T-032s
Arsenic _D ^{M#}	3	9	4	5	4	2	5	4	mg/kg	A-T-024s
Cadmium _D ^{M#}	1.3	1.5	1.2	1.0	1.6	1.4	1.6	1.2	mg/kg	A-T-024s
Copper _D ^{M#}	16	53	12	11	9	9	11	10	mg/kg	A-T-024s
Chromium _D ^{M#}	29	27	24	22	35	30	34	24	mg/kg	A-T-024s
Lead _D ^{M#}	30	56	21	19	17	14	14	19	mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	17	25	17	14	25	20	26	16	mg/kg	A-T-024s
Selenium _D [#]	3	<1	<1	2	1	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	66	98	52	45	52	51	59	49	mg/kg	A-T-024s

Envirolab Job Number: 18/06813

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Lab Sample ID	18/06813/1	18/06813/3	18/06813/4	18/06813/6	18/06813/8	18/06813/10	18/06813/12	18/06813/14	Units	Method ref
Client Sample No										
Client Sample ID	TP15	TP17	TP18	TP20	TP22	TP24	TP26	TP35		
Depth to Top	0.30	0.50	0.40	0.20	0.50	0.30	0.40	0.20		
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	6E	4A	5	6AE	5A	5	5	6AE		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		Subcon DETS

Envirolab Job Number: 18/06813

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Lab Sample ID	18/06813/1	18/06813/3	18/06813/4	18/06813/6	18/06813/8	18/06813/10	18/06813/12	18/06813/14	Units	Method ref
Client Sample No										
Client Sample ID	TP15	TP17	TP18	TP20	TP22	TP24	TP26	TP35		
Depth to Top	0.30	0.50	0.40	0.20	0.50	0.30	0.40	0.20		
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	6E	4A	5	6AE	5A	5	5	6AE		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Aldrin _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Phorate _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Fenthion _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06813

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Client Project Ref: 29228

Lab Sample ID	18/06813/1	18/06813/3	18/06813/4	18/06813/6	18/06813/8	18/06813/10	18/06813/12	18/06813/14	Units	Method ref
Client Sample No										
Client Sample ID	TP15	TP17	TP18	TP20	TP22	TP24	TP26	TP35		
Depth to Top	0.30	0.50	0.40	0.20	0.50	0.30	0.40	0.20		
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	6E	4A	5	6AE	5A	5	5	6AE		
Sulprofos _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest

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Lab Sample ID	18/06813/1	18/06813/3	18/06813/4	18/06813/6	18/06813/8	18/06813/10	18/06813/12	18/06813/14	Units	Method ref
Client Sample No										
Client Sample ID	TP15	TP17	TP18	TP20	TP22	TP24	TP26	TP35		
Depth to Top	0.30	0.50	0.40	0.20	0.50	0.30	0.40	0.20		
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18	14-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	6E	4A	5	6AE	5A	5	5	6AE		
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	0.21	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.07	0.57	0.24	<0.04	<0.04	<0.04	<0.04	0.11	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.07	0.54	0.19	<0.04	<0.04	<0.04	<0.04	0.11	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.09	0.60	0.22	<0.05	<0.05	<0.05	<0.05	0.12	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	0.21	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	0.22	0.08	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	A-T-019s
Chrysene _A ^{M#}	0.08	0.62	0.27	<0.06	<0.06	<0.06	<0.06	0.14	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	0.12	1.26	0.61	<0.08	<0.08	<0.08	<0.08	0.26	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.06	0.32	0.11	<0.03	<0.03	<0.03	<0.03	0.07	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	0.05	0.99	0.34	0.05	<0.03	<0.03	<0.03	0.18	mg/kg	A-T-019s
Pyrene _A ^{M#}	0.11	1.10	0.49	<0.07	<0.07	<0.07	<0.07	0.21	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	0.65	6.87	2.71	<0.08	<0.08	<0.08	<0.08	1.20	mg/kg	A-T-019s
TPH Banded 6 with CLEAN UP + ID										
>C6-C8 _A ^{M#}	-	-	-	-	-	<5	-	-	mg/kg	A-T-007s
>C8-C10 _A ^{M#}	-	-	-	-	-	<1	-	-	mg/kg	A-T-007s
>C10-C12 _A ^{M#}	-	-	-	-	-	<1	-	-	mg/kg	A-T-007s
>C12-C16 _A ^{M#}	-	-	-	-	-	<2	-	-	mg/kg	A-T-007s
>C16-C21 _A ^{M#}	-	-	-	-	-	<2	-	-	mg/kg	A-T-007s
>C21-C28 _A ^{M#}	-	-	-	-	-	<1	-	-	mg/kg	A-T-007s
>C28-C40 _A [#]	-	-	-	-	-	1	-	-	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	-	-	-	-	-	Unknown profile	-	-		A-T-007s
Total TPH Banded 6 with CLEAN UP + ID _A	-	-	-	-	-	<5	-	-	mg/kg	A-T-007s

Envirolab Job Number: 18/06813

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06813/15	18/06813/17							Units	Method ref
Client Sample No										
Client Sample ID	S2	S4								
Depth to Top	0.50	0.40								
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	5E								
% Stones >10mm _A	58.8	<0.1							% w/w	A-T-044
pH _D ^{M#}	7.85	7.99							pH	A-T-031s
Arsenic _D ^{M#}	4	3							mg/kg	A-T-024s
Cadmium _D ^{M#}	0.9	1.2							mg/kg	A-T-024s
Copper _D ^{M#}	16	11							mg/kg	A-T-024s
Chromium _D ^{M#}	11	26							mg/kg	A-T-024s
Lead _D ^{M#}	64	13							mg/kg	A-T-024s
Mercury _D	<0.17	<0.17							mg/kg	A-T-024s
Nickel _D ^{M#}	13	17							mg/kg	A-T-024s
Selenium _D [#]	<1	<1							mg/kg	A-T-024s
Zinc _D ^{M#}	68	48							mg/kg	A-T-024s

Envirolab Job Number: 18/06813

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06813/15	18/06813/17							Units	Method ref
Client Sample No										
Client Sample ID	S2	S4								
Depth to Top	0.50	0.40								
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	5E								
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD								Subcon DETS

Envirolab Job Number: 18/06813

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06813/15	18/06813/17							Units	Method ref
Client Sample No										
Client Sample ID	S2	S4								
Depth to Top	0.50	0.40								
Depth To Bottom										
Date Sampled	14-Aug-18	14-Aug-18								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4AE	5E								
PAH-16MS										
Acenaphthene _A ^{M#}	0.12	<0.01							mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.03	<0.01							mg/kg	A-T-019s
Anthracene _A ^{M#}	0.47	<0.02							mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	2.34	<0.04							mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	2.53	<0.04							mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	2.51	<0.05							mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	1.10	<0.05							mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.99	<0.07							mg/kg	A-T-019s
Chrysene _A ^{M#}	2.08	<0.06							mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.19	<0.04							mg/kg	A-T-019s
Fluoranthene _A ^{M#}	4.75	<0.08							mg/kg	A-T-019s
Fluorene _A ^{M#}	0.10	<0.01							mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	1.49	<0.03							mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03							mg/kg	A-T-019s
Phenanthrene _A ^{M#}	1.46	<0.03							mg/kg	A-T-019s
Pyrene _A ^{M#}	4.22	<0.07							mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	24.4	<0.08							mg/kg	A-T-019s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 18/06590
Issue Number: 1

Date: 31 August, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter/Duncan Sharp/Nigel Au
Project Name: Ford Airfield
Project Ref: 29228
Order No: N/A
Date Samples Received: 15/08/18
Date Instructions Received: 17/08/18
Date Analysis Completed: 31/08/18

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



John Gustafson
Managing Director

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/2	18/06590/3	18/06590/5	18/06590/6	18/06590/7	18/06590/11	18/06590/14	18/06590/19	Units	Method ref
Client Sample No										
Client Sample ID	TP4	TP5	TP9	TP9	TP9	TP11	TP12	TP14		
Depth to Top	0.40	0.25	0.25	0.50	1.00	0.10	0.25	0.10		
Depth To Bottom										
Date Sampled	13-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	13-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4A		4A	5A	5A	2E	4A	6A		
% Stones >10mm _A	<0.1	-	3.3	<0.1	1.1	<0.1	2.3	6.1	% w/w	A-T-044
pH _D ^{M#}	7.46	-	7.17	-	-	7.24	7.14	7.08	pH	A-T-031s
pH BRE _D ^{M#}	7.46	-	-	-	-	-	7.14	-	pH	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	14	-	-	-	-	-	18	-	mg/l	A-T-026s
Total Organic Carbon _D ^{M#}	0.51	-	1.51	0.54	0.21	-	-	-	% w/w	A-T-032s
Arsenic _D ^{M#}	3	-	3	-	-	3	5	4	mg/kg	A-T-024s
Cadmium _D ^{M#}	<0.5	-	<0.5	-	-	<0.5	<0.5	<0.5	mg/kg	A-T-024s
Copper _D ^{M#}	9	-	11	-	-	10	9	14	mg/kg	A-T-024s
Chromium _D ^{M#}	23	-	20	-	-	24	31	23	mg/kg	A-T-024s
Lead _D ^{M#}	12	-	16	-	-	19	13	29	mg/kg	A-T-024s
Mercury _D	<0.17	-	<0.17	-	-	<0.17	<0.17	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	16	-	14	-	-	15	21	15	mg/kg	A-T-024s
Selenium _D [#]	<1	-	<1	-	-	<1	<1	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	39	-	40	-	-	48	47	55	mg/kg	A-T-024s

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/2	18/06590/3	18/06590/5	18/06590/6	18/06590/7	18/06590/11	18/06590/14	18/06590/19	Units	Method ref
Client Sample No										
Client Sample ID	TP4	TP5	TP9	TP9	TP9	TP11	TP12	TP14		
Depth to Top	0.40	0.25	0.25	0.50	1.00	0.10	0.25	0.10		
Depth To Bottom										
Date Sampled	13-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	13-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4A		4A	5A	5A	2E	4A	6A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	-	NAD	-	-	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	-	N/A	-	-	N/A	N/A	N/A		

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/2	18/06590/3	18/06590/5	18/06590/6	18/06590/7	18/06590/11	18/06590/14	18/06590/19	Units	Method ref
Client Sample No										
Client Sample ID	TP4	TP5	TP9	TP9	TP9	TP11	TP12	TP14		
Depth to Top	0.40	0.25	0.25	0.50	1.00	0.10	0.25	0.10		
Depth To Bottom										
Date Sampled	13-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	13-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4A		4A	5A	5A	2E	4A	6A		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Aldrin _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Phorate _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Fenthion _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/2	18/06590/3	18/06590/5	18/06590/6	18/06590/7	18/06590/11	18/06590/14	18/06590/19	Units	Method ref
Client Sample No										
Client Sample ID	TP4	TP5	TP9	TP9	TP9	TP11	TP12	TP14		
Depth to Top	0.40	0.25	0.25	0.50	1.00	0.10	0.25	0.10		
Depth To Bottom										
Date Sampled	13-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	13-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4A		4A	5A	5A	2E	4A	6A		
Sulprofos _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	<0.2	<0.2	-	-	<0.2	<0.2	<0.2	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/2	18/06590/3	18/06590/5	18/06590/6	18/06590/7	18/06590/11	18/06590/14	18/06590/19	Units	Method ref
Client Sample No										
Client Sample ID	TP4	TP5	TP9	TP9	TP9	TP11	TP12	TP14		
Depth to Top	0.40	0.25	0.25	0.50	1.00	0.10	0.25	0.10		
Depth To Bottom										
Date Sampled	13-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	10-Aug-18	13-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	4A		4A	5A	5A	2E	4A	6A		
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	<0.02	-	-	<0.02	<0.02	<0.02	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	-	0.10	-	-	0.12	<0.04	0.11	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	-	0.09	-	-	0.11	<0.04	0.10	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	0.10	-	-	0.12	<0.05	0.12	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	<0.05	-	-	0.06	<0.05	0.05	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	<0.07	-	-	<0.07	<0.07	<0.07	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	0.13	-	-	0.17	<0.06	0.14	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	<0.04	-	-	<0.04	<0.04	<0.04	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	0.27	-	-	0.32	<0.08	0.26	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	-	0.07	-	-	0.10	<0.03	0.08	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	<0.03	-	-	<0.03	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	-	0.17	-	-	0.17	<0.03	0.14	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	0.23	-	-	0.27	<0.07	0.21	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	-	1.16	-	-	1.44	<0.08	1.21	mg/kg	A-T-019s
TPH Banded 6 with CLEAN UP + ID										
>C6-C8 _A ^{M#}	-	-	-	-	-	-	<5	<5	mg/kg	A-T-007s
>C8-C10 _A ^{M#}	-	-	-	-	-	-	<1	<1	mg/kg	A-T-007s
>C10-C12 _A ^{M#}	-	-	-	-	-	-	<1	<1	mg/kg	A-T-007s
>C12-C16 _A ^{M#}	-	-	-	-	-	-	<2	<2	mg/kg	A-T-007s
>C16-C21 _A ^{M#}	-	-	-	-	-	-	<2	<2	mg/kg	A-T-007s
>C21-C28 _A ^{M#}	-	-	-	-	-	-	2	2	mg/kg	A-T-007s
>C28-C40 _A [#]	-	-	-	-	-	-	3	4	mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	-	-	-	-	-	-	Unknown profile	Unknown profile		A-T-007s
Total TPH Banded 6 with CLEAN UP + ID _A	-	-	-	-	-	-	5	6	mg/kg	A-T-007s

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/23	18/06590/28	18/06590/29	18/06590/32					Units	Method ref
Client Sample No										
Client Sample ID	TP33	TP36	TP36	TP46						
Depth to Top	0.50	0.10	0.50	0.50						
Depth To Bottom										
Date Sampled	13-Aug-18	13-Aug-18	13-Aug-18	10-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	5A		3	4A						
% Stones >10mm _A	<0.1	-	0.3	1.7					% w/w	A-T-044
pH _D ^{M#}	7.31	-	7.61	7.87					pH	A-T-031s
pH BRE _D ^{M#}	-	-	-	7.87					pH	A-T-031s
Sulphate BRE (water sol 2:1) _D ^{M#}	-	-	-	<10					mg/l	A-T-026s
Total Organic Carbon _D ^{M#}	-	-	0.44	-					% w/w	A-T-032s
Arsenic _D ^{M#}	5	-	4	3					mg/kg	A-T-024s
Cadmium _D ^{M#}	<0.5	-	<0.5	<0.5					mg/kg	A-T-024s
Copper _D ^{M#}	10	-	10	7					mg/kg	A-T-024s
Chromium _D ^{M#}	27	-	31	19					mg/kg	A-T-024s
Lead _D ^{M#}	14	-	13	15					mg/kg	A-T-024s
Mercury _D	<0.17	-	<0.17	<0.17					mg/kg	A-T-024s
Nickel _D ^{M#}	17	-	21	14					mg/kg	A-T-024s
Selenium _D [#]	<1	-	<1	<1					mg/kg	A-T-024s
Zinc _D ^{M#}	45	-	48	36					mg/kg	A-T-024s

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/23	18/06590/28	18/06590/29	18/06590/32					Units	Method ref
Client Sample No										
Client Sample ID	TP33	TP36	TP36	TP46						
Depth to Top	0.50	0.10	0.50	0.50						
Depth To Bottom										
Date Sampled	13-Aug-18	13-Aug-18	13-Aug-18	10-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	5A		3	4A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	-	NAD	NAD						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	-	N/A	N/A						

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/23	18/06590/28	18/06590/29	18/06590/32					Units	Method ref
Client Sample No										
Client Sample ID	TP33	TP36	TP36	TP46						
Depth to Top	0.50	0.10	0.50	0.50						
Depth To Bottom										
Date Sampled	13-Aug-18	13-Aug-18	13-Aug-18	10-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	5A		3	4A						
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Aldrin _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endrin _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Phorate _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Fenthion _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/23	18/06590/28	18/06590/29	18/06590/32					Units	Method ref
Client Sample No										
Client Sample ID	TP33	TP36	TP36	TP46						
Depth to Top	0.50	0.10	0.50	0.50						
Depth To Bottom										
Date Sampled	13-Aug-18	13-Aug-18	13-Aug-18	10-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	5A		3	4A						
Sulprofos _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	<0.2	-	-					mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06590

Client Project Name: Ford Airfield

Client Project Ref: 29228

Lab Sample ID	18/06590/23	18/06590/28	18/06590/29	18/06590/32					Units	Method ref
Client Sample No										
Client Sample ID	TP33	TP36	TP36	TP46						
Depth to Top	0.50	0.10	0.50	0.50						
Depth To Bottom										
Date Sampled	13-Aug-18	13-Aug-18	13-Aug-18	10-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	5A		3	4A						
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	-	<0.01	0.04					mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	<0.01	<0.01					mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	<0.02	0.08					mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	-	0.06	0.53					mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	-	0.04	0.47					mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	<0.05	0.55					mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	<0.05	0.25					mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	<0.07	0.21					mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	0.07	0.72					mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	<0.04	0.05					mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	0.12	1.40					mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	<0.01	0.03					mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	-	0.03	0.36					mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	<0.03	<0.03					mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	-	0.07	0.67					mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	0.11	1.19					mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	-	0.50	6.55					mg/kg	A-T-019s
TPH Banded 6 with CLEAN UP + ID										
>C6-C8 _A ^{M#}	<5	-	<5	<5					mg/kg	A-T-007s
>C8-C10 _A ^{M#}	<1	-	<1	<1					mg/kg	A-T-007s
>C10-C12 _A ^{M#}	<1	-	<1	<1					mg/kg	A-T-007s
>C12-C16 _A ^{M#}	<2	-	3	<2					mg/kg	A-T-007s
>C16-C21 _A ^{M#}	<2	-	24	40					mg/kg	A-T-007s
>C21-C28 _A ^{M#}	<1	-	12	55					mg/kg	A-T-007s
>C28-C40 _A [#]	1	-	7	28					mg/kg	A-T-007s
TPH ID (for FID characterisations) _A	Unknown profile	-	Unknown profile	Unknown profile						A-T-007s
Total TPH Banded 6 with CLEAN UP + ID _A	<5	-	46	123					mg/kg	A-T-007s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 18/06926/1

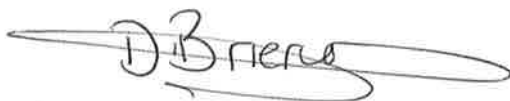
Envirolab Job Number: 18/06926
Issue Number: 2

Date: 28 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Denton/Andrew Tranter
Project Name: Ford AF
Project Ref: 29228
Order No: N/A
Date Samples Received: 24/08/18
Date Instructions Received: 30/08/18
Date Analysis Completed: 28/09/18

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
% Stones >10mm _A	<0.1	-	15.5	-	6.1	-	<0.1	9.7	% w/w	A-T-044
pH _D ^{M#}	8.05	-	8.30	-	7.90	-	-	8.26	pH	A-T-031s
Total Organic Carbon _D ^{M#}	0.44	-	1.59	-	3.44	-	-	2.06	% w/w	A-T-032s
Arsenic _D ^{M#}	<1	-	4	-	2	-	-	3	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.8	-	0.6	-	0.6	-	-	0.6	mg/kg	A-T-024s
Copper _D ^{M#}	11	-	20	-	12	-	-	14	mg/kg	A-T-024s
Chromium _D ^{M#}	40	-	22	-	19	-	-	23	mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	-	-	-	-	-	-	-	mg/kg	A-T-040s
Lead _D ^{M#}	21	-	57	-	27	-	-	61	mg/kg	A-T-024s
Mercury _D	<0.17	-	<0.17	-	<0.17	-	-	<0.17	mg/kg	A-T-024s
Nickel _D ^{M#}	35	-	21	-	18	-	-	20	mg/kg	A-T-024s
Selenium _D [#]	<1	-	<1	-	<1	-	-	<1	mg/kg	A-T-024s
Zinc _D ^{M#}	61	-	76	-	69	-	-	87	mg/kg	A-T-024s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	Chrysotile	NAD		A-T-045
Asbestos Matrix (microscope) ^A	-	-	-	-	-	-	loose fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ^o	-	-	-	-	-	-	<0.001	-	% w/w	A-T-054

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

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Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
OCP+OPP Combined Pesticides										
alpha-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Heptachlor _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Aldrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Heptachlor Epoxide _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
trans-Chlordane (Gamma) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
cis-Chlordane (Alpha) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan I (Alpha) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan II (Beta) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endosulphan Sulphate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDD (TDE) (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDE (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
p,p-DDT (4,4) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Dieldrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin Aldehyde _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Endrin Ketone _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Methoxychlor _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Demeton-O _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Demeton-S _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Phorate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Disulfoton _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Fenthion _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Trichloronate _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Prothiofos (Tokuthion) _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Fensulphothion _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
Sulprofos _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Azinphos-methyl _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest
Coumaphos _A	<0.2	-	-	-	-	-	-	-	mg/kg	Subcon Chemtest

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	-	0.02	-	0.05	-	0.26	0.04	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	-	0.03	-	0.01	-	0.04	0.13	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	-	0.07	-	0.14	-	0.68	0.28	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	-	0.45	-	0.82	-	3.31	3.75	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	-	0.55	-	0.95	-	3.50	5.22	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	-	0.55	-	1.01	-	3.65	5.49	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	-	0.34	-	0.49	-	1.65	2.60	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	-	0.24	-	0.39	-	1.56	2.28	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	-	0.43	-	0.80	-	3.17	3.58	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	-	0.07	-	0.10	-	0.39	0.61	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	-	0.80	-	1.69	-	7.19	4.98	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	-	<0.01	-	0.03	-	0.18	0.03	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	-	0.39	-	0.56	-	1.95	3.07	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	-	<0.03	-	<0.03	-	<0.03	<0.03	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	-	0.27	-	0.68	-	2.94	0.85	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	-	0.73	-	1.50	-	6.42	5.46	mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	-	4.94	-	9.22	-	36.9	38.4	mg/kg	A-T-019s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/1	18/06926/2	18/06926/3	18/06926/5	18/06926/6	18/06926/7	18/06926/8	18/06926/10	Units	Method ref
Client Sample No	1	1	2	4	1	2	3	1		
Client Sample ID	TP38	TP40	TP40	TP40	TP41	TP41	TP41	TP42		
Depth to Top	0.50	0.10	0.50	1.40	0.30	0.70	1.40	0.30		
Depth To Bottom										
Date Sampled	17-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	4AE	4A	4A	4AE	4AE	5A	4A		
TPH CWG										
Ali >C5-C6 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Ali >C8-C10 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C10-C12 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C12-C16 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C16-C21 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Ali >C21-C35 _A	-	-	7	-	-	-	-	-	mg/kg	A-T-055s
Total Aliphatics >C5-C35 _A	-	-	8	-	-	-	-	-	mg/kg	A-T-055s
Aro >C5-C7 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
Aro >C8-C10 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Aro >C10-C12 _A ^{M#}	-	-	<1	-	-	-	-	-	mg/kg	A-T-055s
Aro >C12-C16 _A	-	-	2	-	-	-	-	-	mg/kg	A-T-055s
Aro >C16-C21 _A ^{M#}	-	-	9	-	-	-	-	-	mg/kg	A-T-055s
Aro >C21-C35 _A ^{M#}	-	-	45	-	-	-	-	-	mg/kg	A-T-055s
Total Aromatics >C5-C35 _A	-	-	56	-	-	-	-	-	mg/kg	A-T-055s
TPH (Ali & Aro >C5-C35) _A	-	-	65	-	-	-	-	-	mg/kg	A-T-055s
BTEX - Benzene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Toluene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s
MTBE _A [#]	-	-	<0.01	-	-	-	-	-	mg/kg	A-T-022s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
% Stones >10mm _A	-	-	1.5	<0.1					% w/w	A-T-044
pH _D ^{M#}	-	-	8.36	8.54					pH	A-T-031s
Total Organic Carbon _D ^{M#}	-	-	1.07	0.97					% w/w	A-T-032s
Arsenic _D ^{M#}	-	-	3	4					mg/kg	A-T-024s
Cadmium _D ^{M#}	-	-	0.6	<0.5					mg/kg	A-T-024s
Copper _D ^{M#}	-	-	10	6					mg/kg	A-T-024s
Chromium _D ^{M#}	-	-	20	15					mg/kg	A-T-024s
Lead _D ^{M#}	-	-	76	38					mg/kg	A-T-024s
Mercury _D	-	-	<0.17	<0.17					mg/kg	A-T-024s
Nickel _D ^{M#}	-	-	18	12					mg/kg	A-T-024s
Selenium _D [#]	-	-	<1	<1					mg/kg	A-T-024s
Zinc _D ^{M#}	-	-	66	49					mg/kg	A-T-024s

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	Amosite						A-T-045
Asbestos Matrix (microscope) ^A	-	-	-	loose fibres						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A						
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ^o	-	-	-	<0.001					% w/w	A-T-054

Envirolab Job Number: 18/06926

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/06926/11	18/06926/12	18/06926/14	18/06926/15					Units	Method ref
Client Sample No	2	3	2	3						
Client Sample ID	TP42	TP42	TP47	TP47						
Depth to Top	0.70	1.40	0.50	1.00						
Depth To Bottom										
Date Sampled	22-Aug-18	22-Aug-18	22-Aug-18	22-Aug-18						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	4A	1A						
PAH-16MS										
Acenaphthene _A ^{M#}	-	-	<0.01	<0.01					mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	-	-	<0.01	0.02					mg/kg	A-T-019s
Anthracene _A ^{M#}	-	-	0.03	0.04					mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	-	-	0.15	0.18					mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	-	-	0.16	0.23					mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	-	-	0.16	0.23					mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	-	-	0.10	0.17					mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	-	-	0.09	0.11					mg/kg	A-T-019s
Chrysene _A ^{M#}	-	-	0.15	0.20					mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	-	-	<0.04	<0.04					mg/kg	A-T-019s
Fluoranthene _A ^{M#}	-	-	0.24	0.30					mg/kg	A-T-019s
Fluorene _A ^{M#}	-	-	<0.01	<0.01					mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	-	-	0.11	0.18					mg/kg	A-T-019s
Naphthalene _A ^{M#}	-	-	<0.03	<0.03					mg/kg	A-T-019s
Phenanthrene _A ^{M#}	-	-	0.10	0.11					mg/kg	A-T-019s
Pyrene _A ^{M#}	-	-	0.20	0.28					mg/kg	A-T-019s
Total PAH-16MS _A ^{M#}	-	-	1.49	2.05					mg/kg	A-T-019s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed.

Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.



APPENDIX F1 LABORATORY CERTIFICATES FOR GROUNDWATER

FINAL ANALYTICAL TEST REPORT

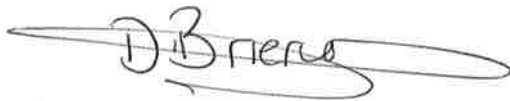
Envirolab Job Number: 18/07007
Issue Number: 1

Date: 12 September, 2018

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Andrew Tranter/Nigel Austin
Project Name: Ford AF
Project Ref: 29228
Order No: N/A
Date Samples Received: 31/08/18
Date Instructions Received: 03/09/18
Date Analysis Completed: 10/09/18

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Georgia King
Admin & Client Services Supervisor

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
pH (w) _A [#]	6.51	7.43	7.47	6.72	7.36	7.42	7.26		pH	A-T-031w
Hardness Total _A [#]	341	332	297	341	322	287	366		mg/l Ca CO3	A-T-049w
Ammonium / Ammoniacal nitrogen as NH4 (w) _A [#]	0.030	0.032	0.093	<0.026	0.077	0.246	0.062		mg/l	A-T-033w
Ammonia / Ammoniacal Nitrogen as NH3 (w) _A [#]	0.028	0.031	0.088	<0.024	0.073	0.233	0.059		mg/l	A-T-033w
Sulphate (w) _A [#]	32	80	64	56	25	72	45		mg/l	A-T-026w
Arsenic (dissolved) _A [#]	<1	2	2	<1	<1	<1	<1		µg/l	A-T-025w
Cadmium (dissolved) _A [#]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	A-T-025w
Copper (dissolved) _A [#]	2	<1	<1	1	1	3	2		µg/l	A-T-025w
Chromium (dissolved) _A [#]	<1	1	<1	<1	<1	<1	<1		µg/l	A-T-025w
Lead (dissolved) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-025w
Mercury (dissolved) _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2		µg/l	A-T-025w
Nickel (dissolved) _A [#]	1	4	4	2	2	3	2		µg/l	A-T-025w
Selenium (dissolved) _A [#]	<1	<1	<1	8	<1	28	4		µg/l	A-T-025w
Zinc (dissolved) _A [#]	2	6	3	5	3	6	4		µg/l	A-T-025w

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
OCP+OPP Combined Pesticides (w)										
alpha-Hexachlorocyclohexane (HCH) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
beta-Hexachlorocyclohexane (HCH) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
gamma-Hexachlorocyclohexane (HCH / Lindane) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
delta-Hexachlorocyclohexane (HCH) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Heptachlor (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Heptachlor Epoxide (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Aldrin (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
trans-Chlordane (Gamma) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
cis-Chlordane (Alpha) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endosulphan I (Alpha) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endosulphan II (Beta) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endosulphan Sulphate (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endrin (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endrin Aldehyde (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Endrin Aldehyde (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Dieldrin (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
p,p-DDD (TDE) (4,4) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
p,p-DDE (4,4) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
p,p-DDT (4,4) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Methoxychlor (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Demeton-O (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Demeton-S (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Phorate (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Disulfoton (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Fensulphothion (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Fenthion (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Trichloronate (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Prothiofos (Tokuthion) (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Sulprofos (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Azinphos-methyl (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest
Coumaphos (w) _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		µg/l	Subcon Chemtest

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
PAH 16MS (w)										
Acenaphthene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Acenaphthylene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Anthracene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Benzo(a)anthracene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		µg/l	A-T-019w
Benzo(a)pyrene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Benzo(b)fluoranthene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Benzo(ghi)perylene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Benzo(k)fluoranthene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Chrysene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01		µg/l	A-T-019w
Dibenzo(ah)anthracene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Fluoranthene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01		µg/l	A-T-019w
Fluorene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Indeno(123-cd)pyrene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Naphthalene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		µg/l	A-T-019w
Phenanthrene (w) _A [#]	<0.01	<0.01	<0.01	0.01	0.03	<0.01	<0.01		µg/l	A-T-019w
Pyrene (w) _A [#]	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01		µg/l	A-T-019w
Total PAH 16MS (w) _A [#]	<0.01	<0.01	<0.01	0.01	0.11	<0.01	<0.01		µg/l	A-T-019w

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
VOC (w)										
Dichlorodifluoromethane _A	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Chloromethane _A	<10	<10	<10	<10	<10	<10	<10		µg/l	A-T-006w
Vinyl Chloride _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Bromomethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Chloroethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Trichlorofluoromethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
trans 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Dichloromethane _A	<5	<5	<5	<5	<5	<5	<5		µg/l	A-T-006w
Carbon Disulphide _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,1-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,1-Dichloroethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
cis 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Bromochloromethane _A [#]	<5	<5	<5	<5	<5	<5	<5		µg/l	A-T-006w
Chloroform _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
2,2-Dichloropropane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2-Dichloroethane _A [#]	<2	<2	<2	<2	<2	<2	<2		µg/l	A-T-006w
1,1,1-Trichloroethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,1-Dichloropropene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Benzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Carbon Tetrachloride _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Dibromomethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2-Dichloropropane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Bromodichloromethane _A [#]	<10	<10	<10	<10	<10	<10	<10		µg/l	A-T-006w
Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
cis 1,3-Dichloropropene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
trans 1,3-Dichloropropene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,1,2-Trichloroethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Toluene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,3-Dichloropropane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Dibromochloromethane _A [#]	<3	<3	<3	<3	<3	<3	<3		µg/l	A-T-006w
1,2-Dibromoethane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Tetrachloroethene _A	<1	<1	<1	<1	<1	<1	3		µg/l	A-T-006w

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
1,1,1,2-Tetrachloroethane _A	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Chlorobenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Ethylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
m & p Xylene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Bromoform _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Styrene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,1,1,2-Tetrachloroethane _A	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
o-Xylene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2,3-Trichloropropane _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Isopropylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
Bromobenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
2-Chlorotoluene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
n-propylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
4-Chlorotoluene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2,4-Trimethylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
4-Isopropyltoluene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,3,5-Trimethylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2-Dichlorobenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,4-Dichlorobenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
sec-Butylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
tert-Butylbenzene _A [#]	<2	<2	<2	<2	<2	<2	<2		µg/l	A-T-006w
1,3-Dichlorobenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
n-butylbenzene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w
1,2-Dibromo-3-chloropropane _A [#]	<2	<2	<2	<2	<2	<2	<2		µg/l	A-T-006w
1,2,4-Trichlorobenzene _A [#]	<3	<3	<3	<3	<3	<3	<3		µg/l	A-T-006w
1,2,3-Trichlorobenzene _A [#]	<3	<3	<3	<3	<3	<3	<3		µg/l	A-T-006w
Hexachlorobutadiene _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-006w

Envirolab Job Number: 18/07007

Client Project Name: Ford AF

Client Project Ref: 29228

Lab Sample ID	18/07007/1	18/07007/2	18/07007/3	18/07007/4	18/07007/5	18/07007/6	18/07007/7		Units	Method ref
Client Sample No										
Client Sample ID	WS1	BH1	BH2	BH3	BH4	BH5	BH6			
Depth to Top	2.94	2.55	4.34	5.40	5.70	6.00	6.50			
Depth To Bottom										
Date Sampled	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18	29-Aug-18			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
TPH CWG (w)										
Ali >C5-C6 (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
Ali >C6-C8 (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
Ali >C8-C10 (w) _A [#]	19	<5	<5	<5	<5	5	<5		µg/l	A-T-055w
Ali >C10-C12 (w) _A [#]	8	<5	<5	<5	<5	<5	<5		µg/l	A-T-055w
Ali >C12-C16 (w) _A [#]	<5	<5	<5	<5	<5	<5	<5		µg/l	A-T-055w
Ali >C16-C21 (w) _A [#]	<5	<5	<5	<5	<5	<5	<5		µg/l	A-T-055w
Ali >C21-C35 (w) _A [#]	<5	<5	<5	<5	<5	<5	<5		µg/l	A-T-055w
Total Aliphatics >C5-C35 (w) _A [#]	27	<5	<5	<5	<5	5	<5		µg/l	A-T-055w
Aro >C5-C7 (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
Aro >C7-C8 (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
Aro >C8-C10 (w) _A	13	6	<5	<5	<5	7	<5		µg/l	A-T-055w
Aro >C10-C12 (w) _A [#]	32	<5	<5	<5	<5	24	<5		µg/l	A-T-055w
Aro >C12-C16 (w) _A [#]	35	10	<5	<5	<5	31	<5		µg/l	A-T-055w
Aro >C16-C21 (w) _A [#]	<5	24	<5	<5	<5	8	<5		µg/l	A-T-055w
Aro >C21-C35 (w) _A [#]	<10	13	<10	<10	<10	<10	<10		µg/l	A-T-055w
Total Aromatics >C5-C35 (w) _A	88	53	<10	<10	<10	79	<10		µg/l	A-T-055w
TPH (Ali & Aro >C5-C35) (w) _A	115	53	<10	<10	<10	84	<10		µg/l	A-T-055w
BTEX - Benzene (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
BTEX - Toluene (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
BTEX - Ethyl Benzene (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
BTEX - m & p Xylene (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
BTEX - o Xylene (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w
MTBE (w) _A [#]	<1	<1	<1	<1	<1	<1	<1		µg/l	A-T-022w

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure and there is insufficient sample to repeat the analysis. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.



APPENDIX F2

LABORATORY CERTIFICATES GEOTECHNICAL TESTING



STRUCTURAL SOILS LTD

TEST REPORT



Report No. 583910-01 (00)

1774

Date 31-August-2018 Contract Ford Airfield

Client RSK
Address 18 Frogmore Rd
Apsley
Hemel Hempstead
Hertfordshire
HP3 9RT

For the Attention of Andrew Tranter

Samples submitted by client 16-August-2018
Testing Started 16-August-2018
Testing Completed 31-August-2018

Client Reference 29228
Client Order No. n/a
Instruction Type Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

- 1.01 Moisture Content (oven drying method) BS1377:Part 2:1990:clause 3.2 (superseded)*
- 1.03 Liquid Limit (one point method) & Plastic Limit BS1377:Part 2:1990,clause 4.4/5.3
- 1.10 Particle Size Distribution wet sieve method BS1377:Part 2:1990,clause 9.2
- 1.13a Particle Size Distribution sedimentation pipette method BS1377:Part 2:1990,clause 9.4

* This clause of BS1377 is no longer the most up to date method due to the publication of ISO17892

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of .
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Structural Soils Ltd 18 Frogmore Rd Hemel Hempstead HP3 9RT Tel.01442 416661 e-mail dimitris.xirouchakis@soils.co.uk

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(&Ä""()Ä



+,,-

Ä:2Ä82;8Ä/2;<=Ä6>=<323Ä46Ä8:4;Ä/2.0/8Ä7/2Ä3Ä76Ä

"!! B Ä!Ä)Ä B!ÄFINAL

"6Ä7>>0/376>2ÄC48:Ä88Ä/8</7=Ä!04=;ÄÄ7E0/780ÄF<7=4Ä76752H268
!9 ;82H!Ä2;<=8;Ä::228;Ä63Ä;<HH7/42;Ä0?Ä/2=8;Ä4;23ÄEÄ8:2ÄE0/780/Ä/2
>:2>J23ÄEÄ76Ä7../0123Ä;456780ÄÄÄ46825/489Ä8:2Ä82;8Ä8Ä763Ä/2;<=8/Ä
26;</23ÄEÄ9>068/0=Ä0?Ä8:2Ä>0H.<82Ä;Ä2H.=023ÄEÄ8:2Ä=7E0/9Ä;Ä.7/8Ä0?
8:2Ä!0?8C7/2Ä%2/4?4>78406ÄL/05/7HÄ7;Ä32874=23Ä4688/2ÄB7E0Ä76<7=K

Ä:4;Ä82;865Ä12Ä/78406Ä>2/84?4>782Ä>012/;Ä7==Ä82;865Ä12ÄE2?02Ä8:2
?0=0C465Ä378284Ä/08/2018 15:23:45K

Ä2;8465Ä/2.0/823Ä82/Ä8:4;Ä378284Ä>012/23ÄE8:4;Ä2/4278406Ä(2/84?4>782K

Dimitris Xirouchakis

)../0123Ä!456780/9
Dimitris Xirouchakis (Director of Laboratories)

UM273Ä*42V
W/4;80=ÄD7E0/780/9
B648Ä+ÄL/46>2;Ä 8228
W23H46:82/
W/4;80=
W!OÄ-)\$

(7;8=2?0/3ÄD7E0/780/9
Ä:2ÄL088/42;ÄL088Ä!8228
(7;8=2?0/3
Q 2;8ÄR/J;:4/2
Q' +SÄ+#T

M2H2=ÄD7E0/780/9
+NÄ'/05H0/2Ä&073
M2H2=ÄM2H.;8273
M2/8?0/34/2
MLOÄP&Ä

Ä06E/452ÄD7E0/780/9
)62/=29Ä0</8!ÄM=?ÄG006ÄD762
M4=326E0<5:
Ä06E/452
Ä#++ÄPMB



STRUCTURAL
SOILS LTD

(068/7>8@

Ford Airfield

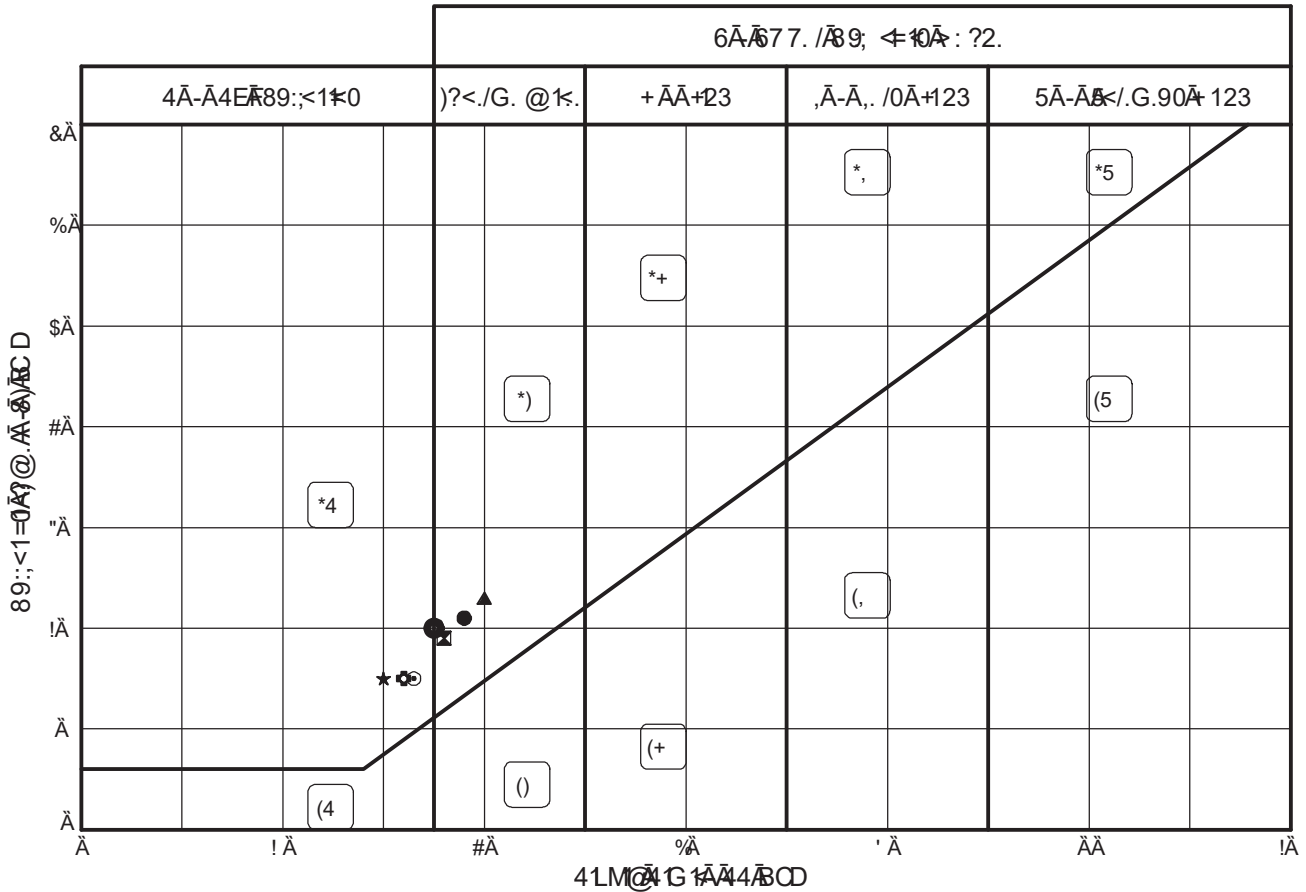
TOEÄ#0@

583910



PLASTICITY CHART - PI Vs LL

$\frac{P}{100} = \frac{L}{100} \times \frac{A}{B}$
 $P; \frac{P}{100} = \frac{L}{100} \times \frac{A}{B}$



I : G79 A@. ?1F: <E?				HIAP. <	8/. 7:/ : <E?	(*	44	84	8)	e#!\$MG	4:UAB= <E?
5A79E: <E/O 8E: 1E?AZ				I: G79	Z. 78 BG	(. 3E@A	C	C	C	C	4:UAB= <E?
●	P8 !	ÄZ	TÄÄ	"Tld#?#d\$T\$#	#TT#	#	"	&	!	JJ	H
☒	P8 !	ÄZ	!TÄÄ	"Tld#?#d\$T\$#	#TT#	#	"%	&	J	ÄÄ	H
▲	P8" #	ÄZ	Ä\$Ä	"Tld#?#d\$T\$#	#TT#	&	#Ä	&	!"	ÄÄ	H
★	P8" #	ÄZ	T\$Ä	"Tld#?#d\$T\$#	#TT#	#	"Ä	\$	\$	J	H
⊙	al !	ÄZ	Ä\$Ä	"Tld#?#d\$T\$#	#TT#		"	'	\$	J&	H
⊗	al J	ÄZ	Ä#Ä	"Tld#?#d\$T\$#	#TT#	\$	"!	&	\$	J&	H
⦿	al J	ÄZ	!T"Ä	"Tld#?#d\$T\$#	#TT#	J	"\$	\$	!Ä	J'	H

fAP. ; <@AÄ= E/@?=. ÄFÄÄ. 3. ÄE9EF P2Ä9M; ; ; ÄÄH "&&- ! K JJÄT "T! ÄÄ E1 ÄM. Ä E?<?< #TÄÄE?Ä8.?</EG. </Ä. 3E@ #TÄÄ ?Ä8E?ÄE?Ä8.?</EG. </Ä. 3E@ #TÄÄ?ÄE?ÄE?Ä8.?</EG. </Ä. 3E@ STÄÄ8; <4ÄG KÄ. <E@ \$TÄ89; <4Ä?@Ä	XÄP. ; <@AÄ= E/@?=. ÄFÄÄ. 3. ÄE9EF P2Ä9M; ; ; ÄÄH "&&- ! K JJÄT #T!ÄÄ: ÄM: Ä <. #T!ÄÄ: Ä1. V. @] . 0ÄÄÄE?; ; <?@/Ä < <ÄÄÄE?Ä9; <4T
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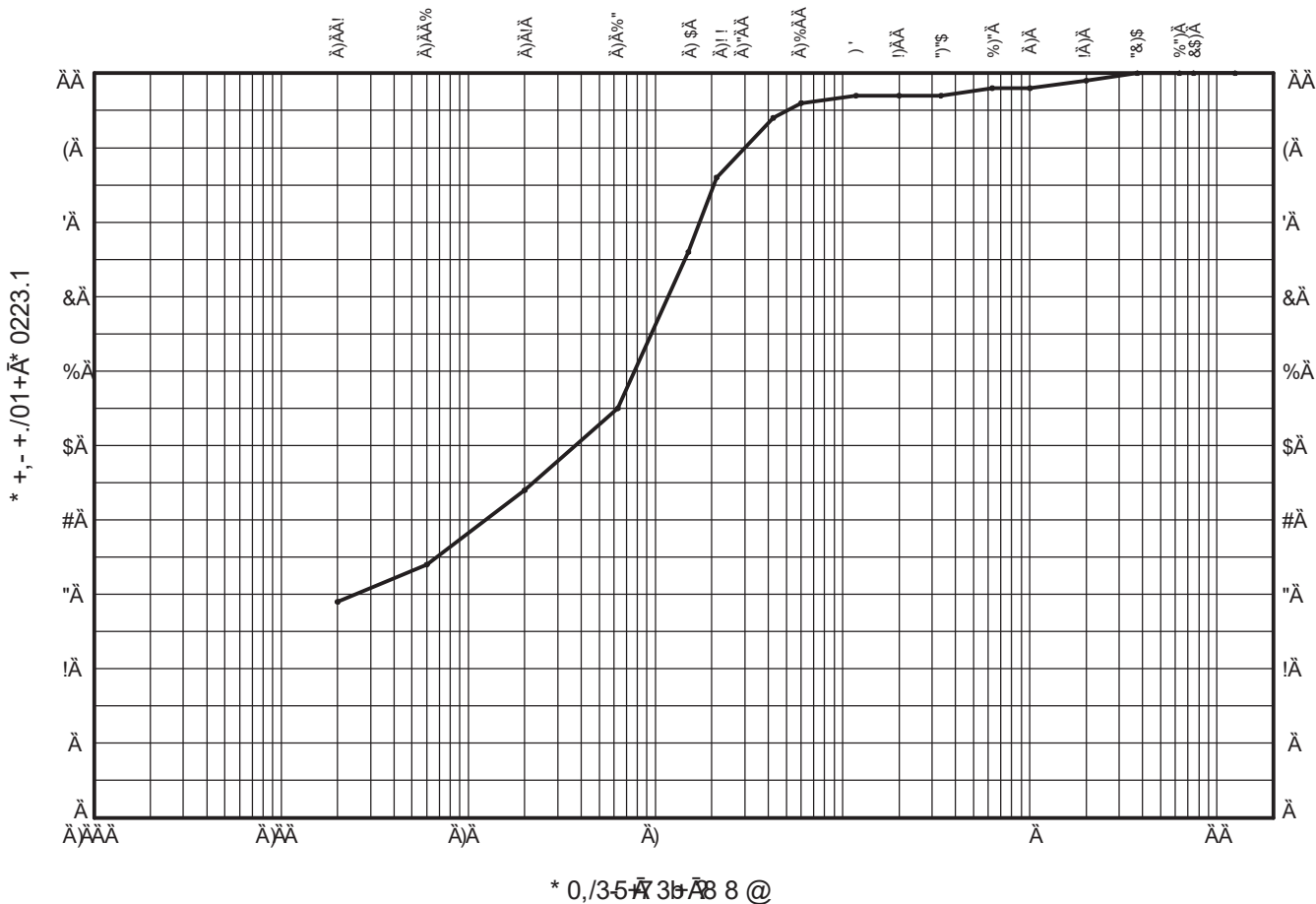
4: UÄE=<1BÄÄ/1<BÄH"ÄRND_ÄÄ*; <9E/Äa[ÄÄO"ÄÄÄÄ+ G. Ä+ G7; <: @Ä8"Ä>PDÄÄÄE?U12. ÄBÄ Ä+6D

	I P>6*P 6>R 4Ä \ YI ' Ä/E2GE/Ä>E: @ + . G. 9Ä. G7; <: @ + . /<'E@31. +8"Ä>P		* EG719Ä10 Z: <	
	NS Jacobsen NIKITA JACOBSEN 31/8/18		* E?Ä: =Ä. 'K 583910	
	Ford Airfield		AGS	

PARTICLE SIZE DISTRIBUTION TEST

BA0-K, Y0. -+ Äj3>Ä50X2+2Ä) ! ZÄY#ÄKÄ7 " &&60 ,/Ä6 ((Ä

4,305*3/07P10 ÄÄÄÄ70895+;6Ä - ÄÄÄÄ7089549+6Ä D ÄÄÄÄ=+9/>Ä782.50



OEGH	;3+	8+Y38	-K0,2+	;3+	8+Y38	-K0,2+	;3+	8+Y38	-K0,2+	COBBLES
	7E4			7GC=			A: GIUE			

4+2/ 73L+Ä88@	*+, -, / * 02231 ?a@
!\$) Ä	100
&\$Ä	100
%)Ä	100
"&)\$	100
!Ä)Ä	99
Ä)Ä	98
%)Ä	98
")"\$	97
!)ÄÄ	97
)'	97
Äp%ÄÄ	96
Ä#!\$	94
Ä)!	86
Ä)\$Ä	76
ÄÄ%"	55

* 0,3-5+ = 38 +/+, 88@	*+, -, / * 02231 ?a@
ÄÄ!	44
ÄÄÄ%	34
ÄÄÄ!	29
7+Y38 +. /0/3KÄ208 95+Ä2Ä. K/ 9,+NÄ+0/+Y	

7K3 S,0-/3K	73L+ *+, -, /01+Äa@
A: GIUE	3
7GC=	42
7E4	26
OEGH	29

7K35Ä-2-, 3/3K6
Orange mottled grey slightly gravelly very sandy CLAY



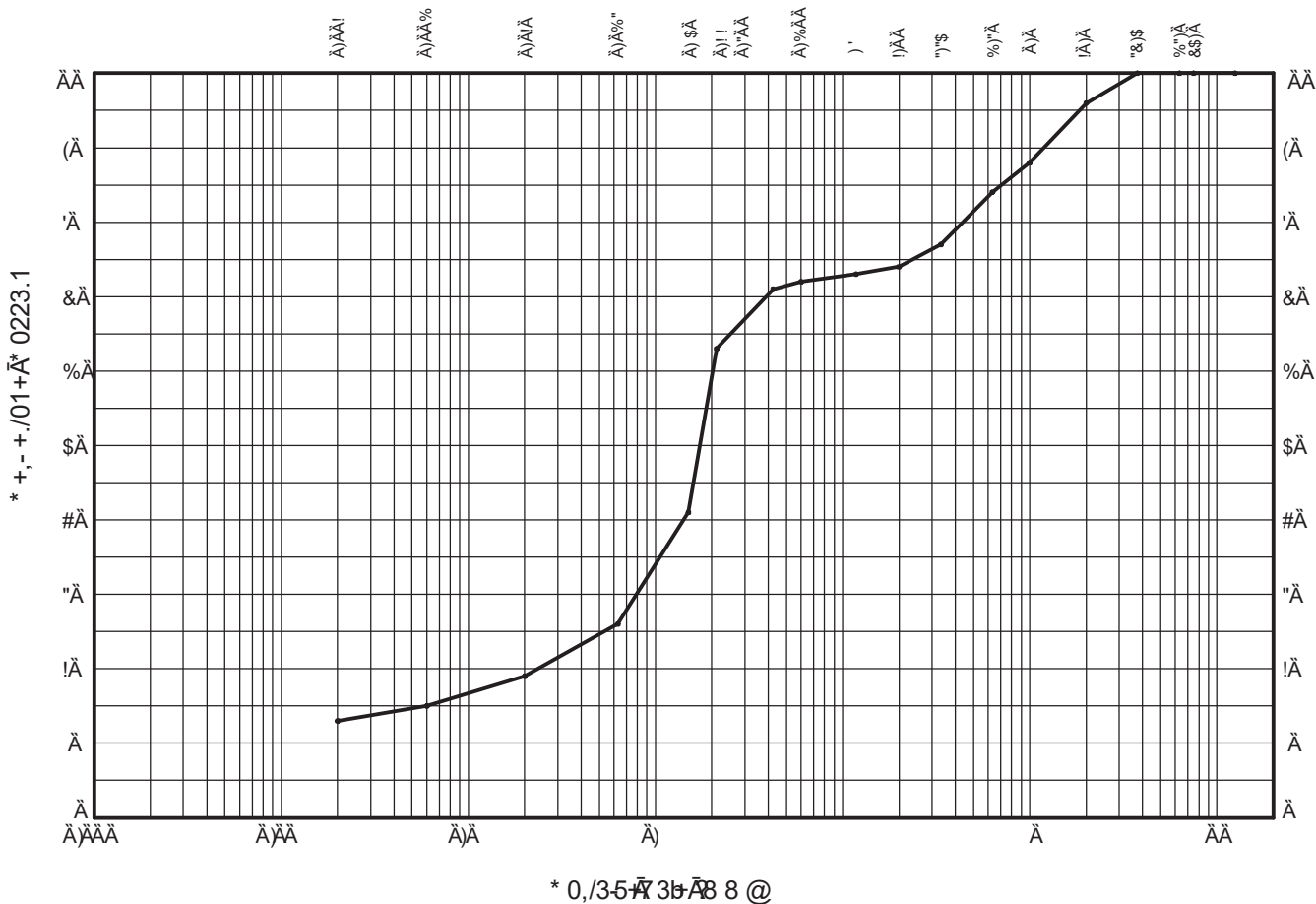
74:c04 c:G EÄT E7
' Ä,K18 K,+Ä K0Y
Q+8+ 5Ä+89 2/+0Y
Q+;K,Y2>3+
Q* "Ä: 4

OK8 935Ä<		=0/+
N. Jacobsen		NIKITA JACOBSEN
OK /,0-/		31/8/18
Ford Airfield		OK /,0-/Ä +;6
		583910
		AGS

PARTICLE SIZE DISTRIBUTION TEST

BÄ0-K, Y0. -+ Ä]3>Ä50X2+2Ä) ! ZÄY#ÄKÄ7 " &&60 ,/Ä6 ((Ä

4,305*3/0712 ÄÄÄÄ70895+;6Ä - ÄÄÄÄ70895+6Ä D ÄÄÄÄ=+9/>Ä783.00



OEGH	;3+	8+ Y38	-K0,2+	;3+	8+ Y38	-K0,2+	;3+	8+ Y38	-K0,2+	COBBLES
	7E4			7GC=			A: GIUE			

4+2/ 73L+Ä88@	*+, -, / * 02231 ?a@
!\$) Ä	100
&\$Ä	100
%)"Ä	100
"&)\$	100
!Ä)Ä	96
Ä)Ä	88
%)"Ä	84
")"\$	77
!)ÄÄ	74
)'	73
Äp%ÄÄ	72
Ä#!\$	71
Ä)!	63
Ä)\$Ä	41
ÄÄ%"	26

* 0, /3-5+ = 88 +/+, 88@	*+, -, / * 02231 ?a@
ÄÄ!	19
ÄÄÄ%	15
ÄÄÄ!	13
7+Y38 +. /0/3KÄ08 95+Ä2Ä. K/ 9,+NÄ+0/+Y	

7K3 S,0- /3K	73L+ *+, -, /01+Äa@
A: GIUE	26
7GC=	48
7E4	13
OEGH	13

7K35Ä-2, 3/3K6
Orange gravelly clayey SAND with some rootlets



74:c04 c:G EÄT E7
' Ä,K18 K,+Ä K0Y
Q+8+ 5Ä+89 2/+0Y
Q+; /;K,Y2>3+
Q* "Ä: 4

OK8 935Ä<		=0/+
N. Jacobsen		NIKITA JACOBSEN
OK /,0- /		31/8/18
Ford Airfield		OK /,0- /Ä +;6
		583910
		AGS



STRUCTURAL SOILS LTD

TEST REPORT



Report No. 583920-01 (00)

1774

Date 19-September-2018 Contract Ford Airfield

Client RSK
Address 18 Frogmore Rd
Apsley
Hemel Hempstead
Hertfordshire
HP3 9RT

For the Attention of Andrew Tranter

Samples submitted by client	04-September-2018	Client Reference	29228
Testing Started	06-September-2018	Client Order No.	n/a
Testing Completed	17-September-2018	Instruction Type	Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

1.01	Moisture Content (oven drying method) BS1377:Part 2:1990:clause 3.2 (superseded)*
1.03	Liquid Limit (one point method) & Plastic Limit BS1377:Part 2:1990,clause 4.4/5.3
1.1	Particle Size Distribution wet sieve method BS1377:Part 2:1990,clause 9.2
5.04	Undrained shear strength triaxial compression without pore pressure measurement (definitive method) 100mm diameter specimens BS1377:Part 7:1990,clause 8.4
10.02	Saturated moisture content of chalk BS1377:Part 2:1990,clause 3.3

* This clause of BS1377 is no longer the most up to date method due to the publication of ISO17892

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of .
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Structural Soils Ltd 18 Frogmore Rd Hemel Hempstead HP3 9RT Tel.01442 416661 e-mail dimitris.xirouchakis@soils.co.uk

Ä !Ä"#\$Ä% &"()"Ä "*"#
(&Ä"()"Ä



+, -

Ä: 2Ä82Ä/2 <8;Ä48<23Ä6Ä8;Ä/20/8Ä7/Ä>284?4Ä3;@

"! !B Ä! Ä) ÄB! @FINAL

"6Ä7>0/376>2Ä48Ä8:Ä8/<>847=Ä04=ÄD8ÄD7E/780/9ÄF<7=48976752H268
!9 ;82H!Ä/2 <8;Ä;22 8;Ä63Ä;<HH7/42;Ä0?Ä/2<8;Ä4;<23Ä9Ä82Ä7E0/780/9Ä/2
>:2>J23Ä9Ä6Ä7./0 123Ä;46780/9KÄÄÄÄ468/49Ä0Ä8:Ä828Ä387Ä63Ä2; <=8Ä7/2
26; </23Ä9Ä>68/0Ä0?Ä8Ä9H. <8/Ä;9; 82HÄH.=0923Ä9Ä8:Ä7E07809Ä7.Ä.7/8
0?Ä8Ä!0?8Ä/2Ä%24?4840ÄL/05/7HÄ7;Ä28744Ä468:ÄD7E0/780/9ÄF<7=489
G76<7=K

Ä: 4;Ä8246Ä2/4?4840Ä2/84?482Ä012/;Ä7==Ä8265Ä>0. 423Ä06ÄÄÄ?02Ä82
?0=Ä15Ä3Ä284Ä@19/09/2018 09:30:22K

Ä2;846Ä/20/823Ä782/Ä8;Ä382Ä;Ä68Ä012/23Ä9Ä4; Ä%24?4840Ä(2/84?482K

SC

). /01 23Ä456780/9
Sharon Cairns (Laboratory Manager)

UM23Ä*??4>2
W/480=ÄE0/7809
B64Ä+)ÄL/462; ; Ä8/2 28
W23H46:82/
W/480=
W!OÄ) \$

(7; 8=270ÄD7E0/7809
Ä: 2ÄL088Ä2;ÄL0882/Ä!8/228
(7; 8=2?8
Q2;8ÄR/J;: 42
Q' +SÄ#T

M2H2=ÄE0/7809
+NÄ/05H0/2Ä8073
M2H2=ÄH. ;8273
M2/80/3;: 42
MLOÄ&Ä

Ä06E/452ÄD7E0/780/9
)6 2/=29Ä(0</8!ÄM=?Ä06ÄD762
M4=26E0/0<5:
Ä06E/452
Ä#++ÄRMB



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(068/7>8@

Ford Airfield

T0EÄ#0@

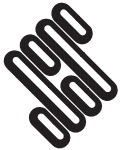
583920



SUMMARY OF SOIL CLASSIFICATION TESTS

K3Ä7F10873F:Ä2+.-ÄF57H4Ä\$!Q\$)Q' \$QB\$QB\$Q\$!C\$!Q\$Ä10ÄP#)? ?RE7Ä!R#(%

VLN507.106 E14+13ÄK	P7AN5 U: O	P7AN5 D6N	": N- SAT	G1+4.H0 ;1 3.: 3. I	*+JH8 *+Ä+. I	E574.F *+Ä+. I	E574.F+6 K3: L	I M !BHA	": 4F0-N16Ä10ÄP7W5:
Ä !		"	#\$%&	#&	'!	#(	!)	#%%	*+,-.Ä012 3Ä45+,-.56Ä738Ä45+,-.56079:55Ä* <= Ä +-Ä070:Ä0.5: .4
Ä !		>	!\$%&	!%	&&	#?	'(	((	*+,-.Ä012 3Ä45+,-.56079:55Ä* <= Ä +-Ä070:Ä0.5: .4
Ä)		>	!\$%&	#)	'!	!#	!#	&)	@073,:ÄÄ1..5:8Ä/0123Ä738Ä,0:6Ä45+,-.56Ä738Ä45+,-.56079:55Ä* <=
Ä '		>	#\$!%	!#	&&	#?	'(	((	*+,-.Ä012 3Ä45+,-.56079:55Ä* <=
Ä &		"	#\$%&	#&	CB	)#	B'	('	Ä0123Ä45+,-.56Ä738Ä45+,-.56079:55Ä,* <=
Ä &		>	#\$!%	#)	'#	#&	!B	C%	@073,:+4-Ä/012ÄÄ1.5:8Ä2+.:Ä738Ä,0:6Ä45+,-.56Ä738Ä45+,-.56079:55Ä,* <=
DE#'		"	!\$%&	#(	'!	!B	#?	C%	@073,:ÄÄ1..5:8Ä/0123Ä45+,-.56Ä738Ä45+,-.56079:55Ä* <=
DE) &		"	#\$%&	#?	)B	#?	#C	((	@073,:ÄÄ1..5:8Ä,0:6Ä45+,-.56079:55ÄÄ738Ä,* <= Ä +-Ä1FF74+135Ä011.5: .4



STRUCTURAL
SOILS LTD

;13.07F.R

Ford Airfield

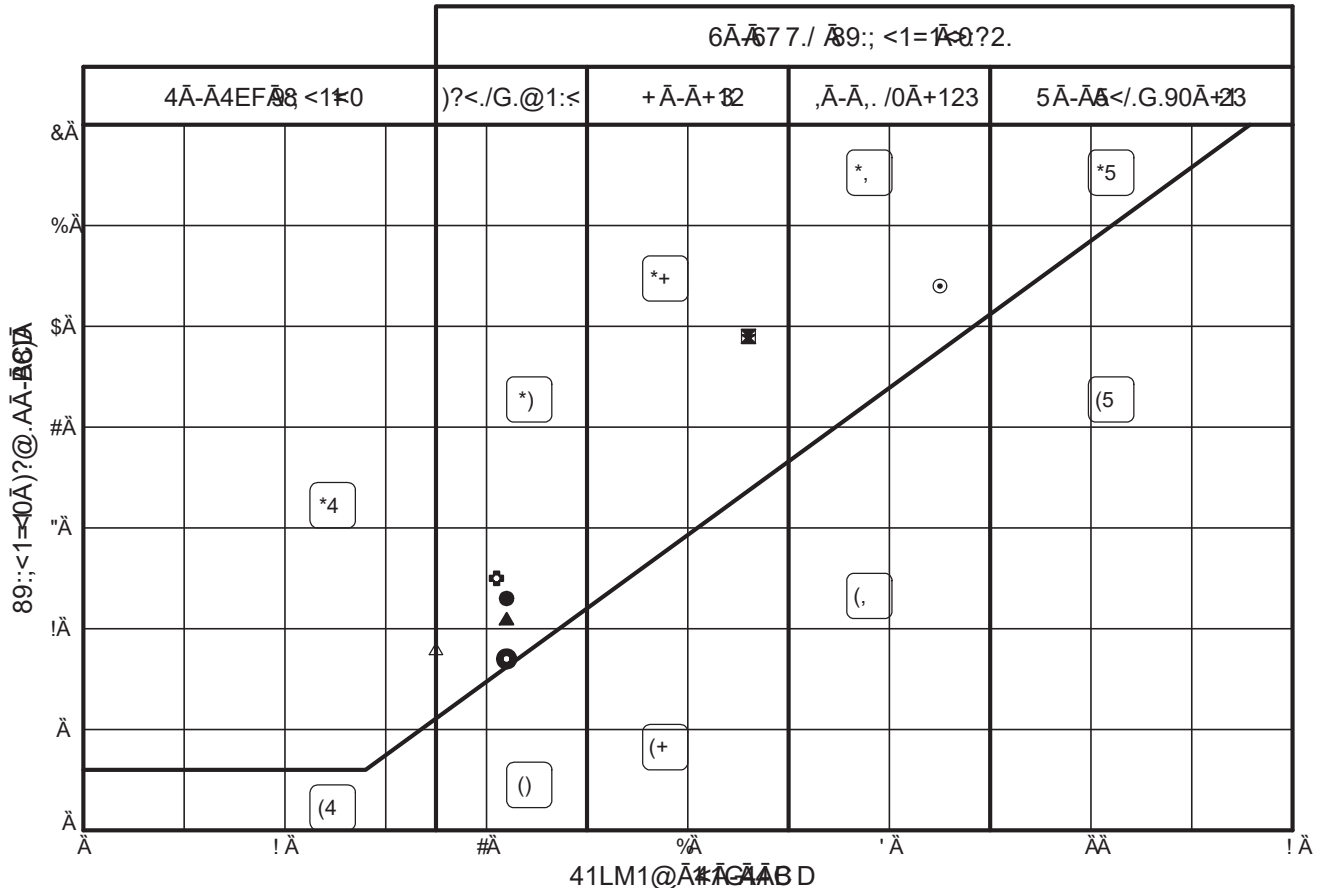
;13.07F.ÄU:CR

583920



PLASTICITY CHART - PI Vs LL

);?Ä:==E/@?:=ÄF1<3ÄHI\$J"ÄÄ \$
P. ; <?2Ä1?ÄÄ@?:= ÄF1<3ÄHI "&&K JJÄ



I:G 79.Ä)@.Ä?Ä<1E?				HIÄP.;< (. <ÄÄf	8/7./ : <ÄP (. <ÄÄX	(* C	44 C	84 C	8) C	e#! \$MG C	4: UÄGE=<1E?
5A7E/;<E/0 8E;1Ä?Ä)Z I:G7 9. BÄ											
●	H+!	ÄZ	TÄÄ	"T!#T#T\$T#	#T!#	%	#!	J	!"	ÄÄ	H
☒	H+!	Ä6	!TÄÄ	"T!#T#T\$T#	#T!#	!Ä	%%	&	#J	JJ	H
▲	H+"	Ä6	!TÄÄ	"T!#T#T\$T#	#T!#	"	#!	!	!"	%"	H
★	H+#	Ä6	T!Ä	"T!#T#T\$T#	#T!#	!	%%	&	#J	JJ	H
⊙	H+%	ÄZ	ÄT\$	"T!#T#T\$T#	#T!#	%	'\$	"	\$#	J#	H
⊕	H+%	Ä6	T!Ä	"T!#T#T\$T#	#T!#	"	#	%	!\$	'Ä	H
⊗	P8 #	ÄZ	!TÄÄ	"T!#T#T\$T#	#T!#	J	#!	!\$	&	'Ä	H
△	P8" %	ÄZ	TÄÄ	"T!#T#T\$T#	#T!#	&	"\$	&	'	JJ	H

fÄP. ; < @ÄÄ==E/@?:=ÄF13Ä8.ÄE9F P2Ä9 M.; ; ÄÄHI "&&-IK JJÄT

"T! ÄÄ E1ÄM.Ä?E?<?
#TÄÄ?Ä8?<./EG. <./Ä . 3E@
#TÄÄ ?Ä8E?ÄE?Ä8?<./EG. <./Ä . 3E@
#TÄÄ ?Ä8E?ÄÄ.; :2/?@Ä . 3E@
\$TÄÄ9; <ÄGÄÄ. 3E@
\$TÄÄ9; <ÄGÄ?@Ä

XÄP. ; < @ÄÄ==E/@?:=ÄF13Ä8.ÄE9F P2Ä9 M.; ; ÄÄHI "&&-IK JJÄT

#T!ÄÄ:Ä:Ä <.
#T!ÄÄ:Ä 1V. @

]. 0ÄÄÄÄE?< ; ?@/ÄÄ <Ä8ÄÄE?Ä9 ; <1F

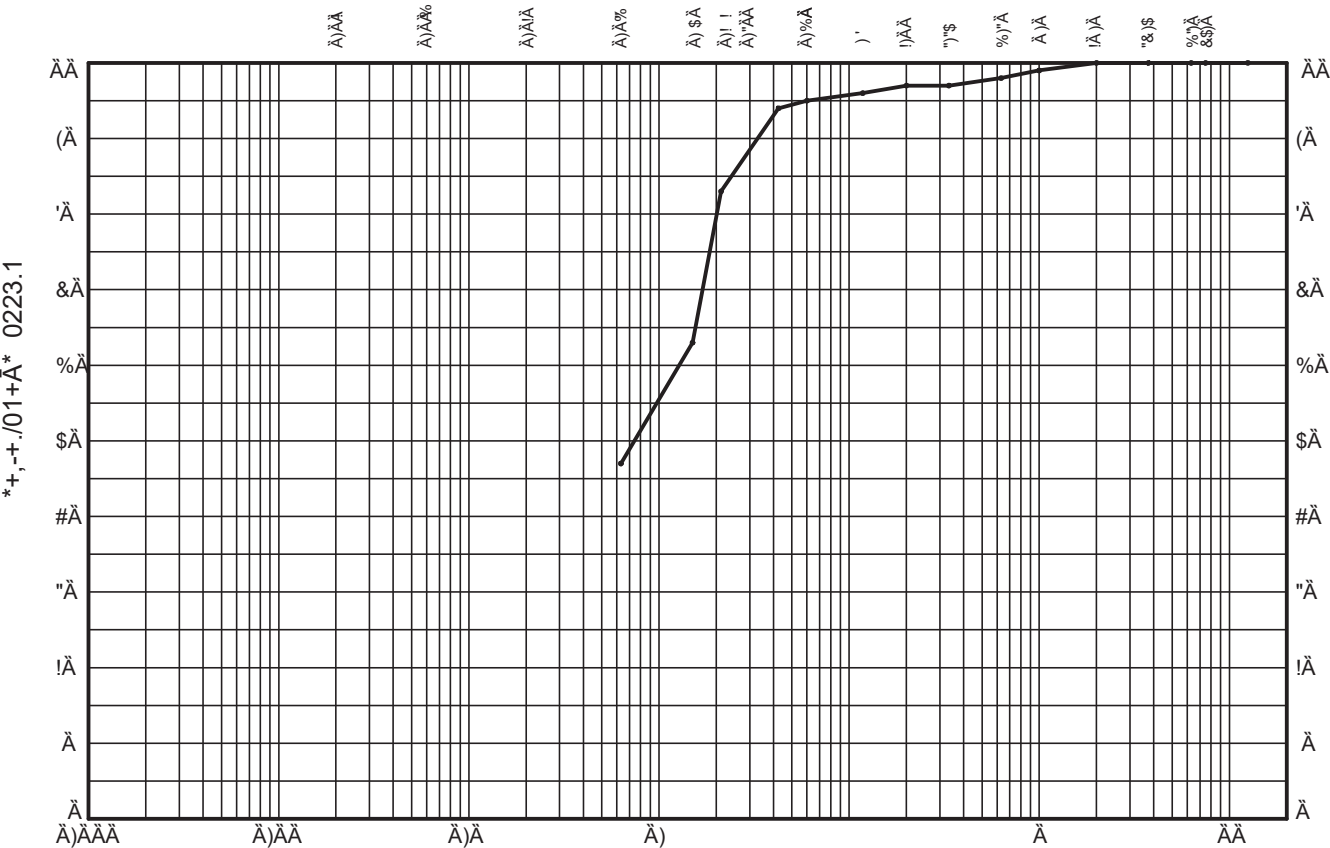
4: UÄGE=<1E?ÄÄ/1;<BÄB "ÄRNDÄ ÄG*.; <9E/ÄÄ [ÄÄOÄÄÄÄ+G. 9Ä+G7;<.: @ÄB"Ä>PDÄÄPEU1@ÄPO Ä+6D

 IP >6*P 6>R 4Ä\ \4I 'Ä/Ä2GE/. ÄE:@ +G.9Ä+.G7;<.:@ +./<'E/@31/. +8"ÄJ>P	*EG719@ÄH0		Z:<.
	 NIKITA JACOBSEN		18/9/18
	*E?<:=< Ford Airfield		*E?<:=<Ä.Ä K 583920 

PARTICLE SIZE DISTRIBUTION TEST

B.Ä0-K,Y0.- +Äj3/>Ä-50X2Ä()!ÄK;Ä7 "& &6*0,/Ä!6 ((Ä

4,30Ä*3/0Ä13 ÄÄÄ0895-Ä:++;6Ä - ÄÄÄ0895-Ä4<96Ä B ÄÄÄ+9/>Ä?8@0Ä50



*0,/ 3-5+Ä78Ä8 8 @

OEGH	;3.+	8+Y38	-K0,2+	;3 +	8+Y38	-K0,2+	;3.+	8+Y38	-K0,2+	COBBLES
	7BE4			7GC=			A: GIUE			

4+2/ 73+L+Ä?8@	*+,-./ *022 3.1 ?a@	*0,/3-5+ =308+/, ?88 @	*+,-./ *022 3.1 ?a@	7K35 S,0-/3K	73+L+ *+,-./0 1+Äa@
!\$)Ä	100			A: GIUE	3
&\$)Ä	100			7GC=	50
%)Ä	100			7BE4OEGH	47
"&)\$	100				
!Ä)Ä	100				
Ä)Ä	99				
%)Ä	98				
"")\$	97				
!)ÄÄ	97				
)	96				
Ä)%ÄÄ	95				
Ä)#!\$	94				
Ä)!!	83				
Ä) \$Ä	63				
Ä)Ä%"	47				

7+Y38 +./ 0/3K.Ä208 95-Ä 02ÄK/
9,+M+0/+Y

7K35Ä=+239/3K.6

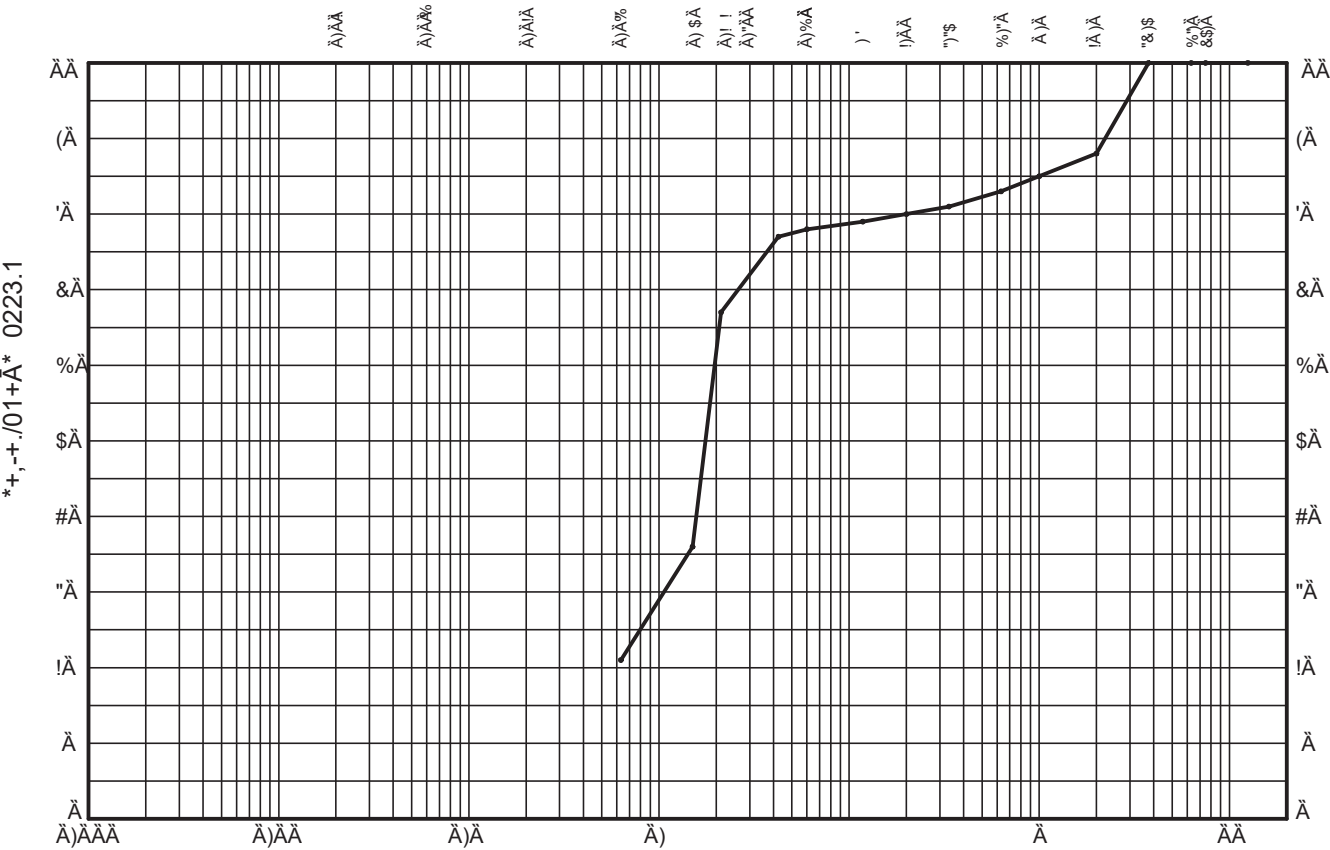
Orange slightly gravelly very clayey SAND

	74:c04 c:G EÄ7TBE7 'ÄS,K18K,+ ÄK0Y Q+8+5ÄQ+892/+0Y Q+,/;K,Y2>3,+ Q*"Ä(:4	OK8935YÄF<		=0/+
		NSacohsen		NIKITA JACOBSEN
		OK./,0-/		18/9/18
		Ford Airfield		OK./,0-/Ä:++; 6
		583920		

PARTICLE SIZE DISTRIBUTION TEST

B.Ä0-K,Y0.- +Äj3/>Ä-50X2Ä()!Ä;Ä7 "& &6*0,/Ä!6 ((Ä

4,30Ä*3/0Ä44 ÄÄÄ0895-Ä:++;6Ä - ÄÄÄ0895-Ä4<96Ä B ÄÄÄ+9/>Ä?8@Ä50



*0,/ 3-5+Ä78Ä8 8 @

OEGH	;3.+	8+Y38	-K0,2+	;3 +	8+Y38	-K0,2+	;3.+	8+Y38	-K0,2+	COBBLES
	7BE4			7GC=			A: GIUE			

4+2/ 73+L+Ä?8@	*+,-+./ *022 3.1 ?a@
!\$)Ä	100
&\$)Ä	100
%)Ä	100
"&)\$	100
!Ä)Ä	88
Ä)Ä	85
%)Ä	83
"")\$	81
!)ÄÄ	80
)	79
Ä)%ÄÄ	78
Ä)#!\$	77
Ä)!!	67
Ä) \$Ä	36
Ä)Ä%"	21

*0,/3-5+ =308+/, ?88 @	*+,-+./ *022 3.1 ?a@
7+Y38 +./ 0/3K.Ä208 95-Ä 02ÄK/ 9,+M+0/+Y	

7K35 S,0-/3K	73+L+ *+,-+./0 1+Äa@
A: GIUE	20
7GC=	59
7BE4OEGH	21

7K35Ä=+239/3K.6
Orange gravelly clayey SAND



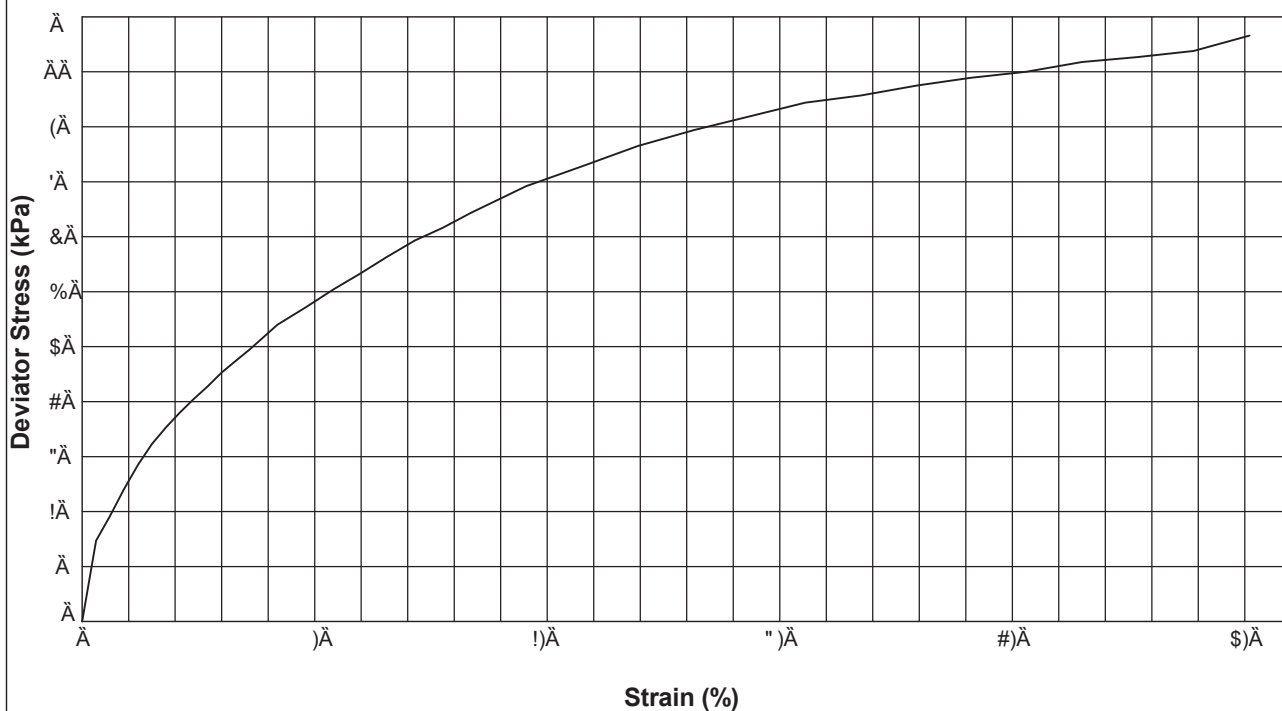
74:c04 c:G EÄ7TBE7
'ÄS,K18K,+ ÄK0Y
Q+8+5ÄQ+892/+0Y
Q+,/;K,Y2>3,+
Q*"Ä(:4

OK8935YÄF<		=0/+
N. Jacobsen		NIKITA JACOBSEN
OK./,0-/		18/9/18
Ford Airfield		OK./,0-/Ä:++; 6
		583920
		AGS

R2ÄE1732E/Ä 4=Ä@&& XI+75Ä&XÄaÄ.+?9/Ä'

:/9E 74-5412A Light brown slightly gravelly CLAY with rare rootlets

STAGE NUMBER		1	2	3
SAMPLE DETAILS	*+, -./Ã0 1234512	Undisturbed		
	674/255412134, -./	Vertical		
	:4+, / 57 M,,N	104.05		
	; /4<=5 M,,N	209.08		
	>14937/Ã0125/25 MON	24		
	@?.Ã2945B M><P,,N	2.02		
	:7BÃ/2945B M><P,,N	1.64		
TEST DETAILS	>/, C7+2/ÃD=4EA2/99 M,,N	0.29		
	F+5/Ã18ÃB4+.Ã94+.E/, /25 MOP42N	1.82		
	0/..ÃI 799?7/ MAI+N	40		
	>/, C7+2/Ã0177/E5412 MAI+N	0.38		
	0177/E5/3ÃÃJ4+517Ã57/99 MAI+N	107		
	K237+428Ã*= /+7Ã57/2<5 MAI+N	53		
	*57+2Ã+ÃL+47/ MON	5.0		
	>13/ Ã1ÃL+47/	Compound		



*D FK 0DKF GUÃ*6RJ*
'ÃL 71<,17 / ÃF1+3
;/, /Ã; /, - 95+3
;/75 81739=4/
;I "Ã(FD

01,-4 ./3Ä@B

$$: +5/$$

56

SHARON CAIRNS

18/09/18

01257+E5

01257+EF/8X

Ford Airfield

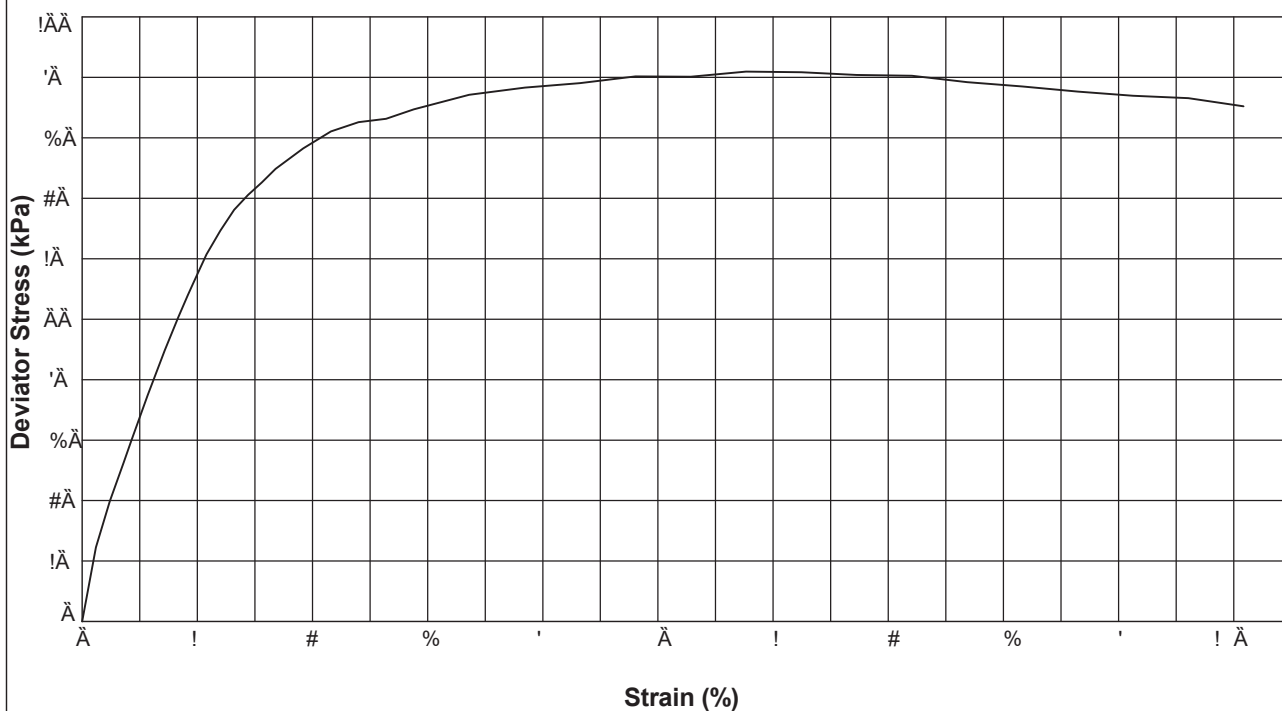
583920



R2ÄE1732E/Ä 4=Ä*Ä&& XI+75Ä&ÄÄaÄ. +?9/Ä'

:/9E 74-5412A Light brown slightly gravelly CLAY

STAGE NUMBER		1	2	3
SAMPLE DETAILS	*+, -./Ã0 1234512	Undisturbed		
	674/255412134, -./	Vertical		
	:4+,/ 57 M,,N	103.16		
	; /4<=5 M,,N	208.19		
	>14937/Ã0125/25 MON	22		
	@?.Ã2945B M><P,,N	2.01		
	:7BÃ/2945B M><P,,N	1.65		
TEST DETAILS	>/, C7+2/ÃD=4EA2/99 M,,N	0.30		
	F+5/Ã18ÃB4+.Ã94+.E/, /25 MOP42N	2.31		
	0/..ÃI 799?7/ MAI+N	24		
	>/, C7+2/Ã0177/E5412 MAI+N	0.74		
	0177/E5/3ÃÃJ4+517Ã57/99 MAI+N	182		
	K237+428Ã*= /+7Ã57/2<5 MAI+N	91		
	*57+2Ã+ÃL+47/ MON	11.5		
>13/ Ã1ÃL+47/	Compound			



*D FK 0DKF GUÃ*6R J*
'ÃL 71<,17 / ÃF1+3
;/, /Ã; /, - 95+3
;/75 81739=4/
;I "Ã(FD

01,-4 ./3Ä@B

$$: +5/$$

56

SHARON CAIRNS

18/09/18

01257+E5

01257+EF/8X

Ford Airfield

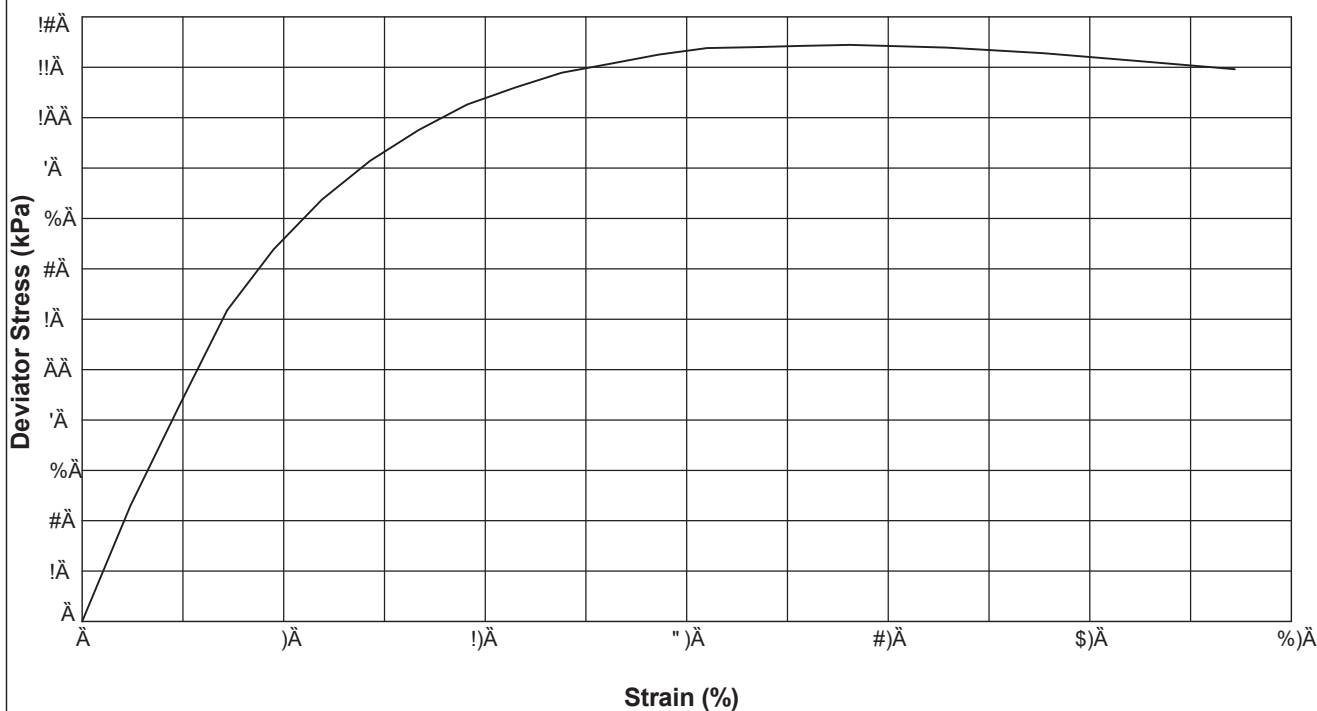
583920



R2ÄE1732E/Ä 4=Ä*Ä&& XI+75Ä&ÄÄaÄ. +?9/Ä'

:9E 74-5412A ~~Orange~~ **Drabish brown mottled white and grey slightly sandy slightly gravelly CLAY**

STAGE NUMBER		1	2	3
SAMPLE DETAILS	*+, -./Ã0 1234512	Undisturbed		
	674/255412134, -. /	Vertical		
	:4+,/ 57 M,,N	102.22		
	;/4<=5 M,,N	209.72		
	>14937/Ã0125/25 MON	13		
	@?.Ã2945B M><P,,N	1.94		
	:7BÃ2945B M><P,,N	1.72		
TEST DETAILS	>/, C7+2/ÃD=4EA2/99 M,,N	0.25		
	F+5/Ã18ÃB4+.Ã94.+E/, /25 MOP42N	1.34		
	0/..ÃI 799?7/ MAI+N	24		
	>/, C7+2/Ã0177/E5412 MAI+N	0.26		
	0177/E5/3ÃÃJ4+517Ã57/99 MAI+N	229		
	K237+428Ã*=/+7Ã57/2<5 MAI+N	114		
	*57+2Ã+ÃL+47/ MON	3.8		
>13/ Ã1ÃL+47/	Compound			



*D FK 0DKF GUÃ*6RJ*
'ÃL 71<,17 / ÃF1+3
;/, / .Ã; / , - 95+3
;/75 81739=4/
:l "Ã(FD

01,-4 ./3Ä@B

:+5/

56

SHARON CAIRNS

18/09/18

01257+E5

01257+ ~~EF~~ 8X

Ford Airfield

583920





APPENDIX G

GROUNDWATER MONITORING RECORDS



Groundwater Sampling Data Form

Project Information	Project Name:	FORD AIRFIELD			
	Project Number:	29 228			
	Sampling Date:	29/08/2018	Sampled by:	KR	
	Weather:	CLOUDY, RAINY, WINDY			
	Well Notes - e.g. Condition, Access, Safety:				
Monitoring Information	Water Quality Meter Used:	AQUAREAD AP 2000	Water Level Meter Used (as applicable):	Interface Probe:	
				Dip Meter:	
	Water Quality Meter Last Calibrated:	Dissolved Oxygen:	29/08/2018	pH, ORP, Specific Conductivity:	29/08/2018
	Typical Parameter Stabilisation Criteria for Low-Flow Sampling	Dissolved Oxygen (D.O.)		0.3 mg/l	
		Specific Conductivity (Sp.Cond)		3%	
		p.H		0.1 unit	
Oxygen Reduction Potential (ORP)		10mV			
* For REDOX correction, see separate guidance					

Well Location	BH1	Purge Start Time						Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
Well Diameter (mm)	50	Time (HH:mm)	Temp (°C)	Sp.Cond (µS/cm)	D.O. (mg/l)	pH (units)	ORP (mV)			
Well Material		11:20	17.50	2291	2.76	7.65	-124.7	2.34		20 SEC TO FID 40 ML VIAL
Static Water Level (mTOC)	2.15	11:20	17.40	2292	2.4	7.13	-128.4	2.345		
LNAPL Present?	Y	11:26	17.50	2290	1.65	7.11	-130.8	2.350		
LNAPL Level (mTOC)	-	11:29	17.65	2279	1.18	7.09	-134.4	2.355		
Well Headspace Reading (PID/FID)	-	11:32	17.80	2279	1.11	7.07	-135.4	2.360		
Purge Method	Low Flow	11:35	17.80	2285	1.09	7.05	-137.1	2.365		
Sampling Method	Peristaltic	11:38	17.80	2281	1.07	7.05	-138.0	2.370		
Pump Intake Depth (mTOC)	2.55	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored					CLOUDY, WHITE TINGE & SEDIMENTS			
Well Depth (mTOC)	8.25	Sample Containers Obtained								
DNAPL Present?	Y	Sample Collection Time					11:39			
DNAPL Level (mTOC)	-						RSK			

Well Location	WS1	Purge Start Time						Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
Well Diameter (mm)	40	Time (HH:mm)	Temp (°C)	Sp.Cond (µS/cm)	D.O. (mg/l)	pH (units)	ORP (mV)			
Well Material		12:03	17.40	2219	1.16	6.93	8.4	2.650		20 SEC TO FID 40 ML VIAL
Static Water Level (mTOC)	2.44	12:06	17.50	2105	1.02	6.88	9.3	2.750		
LNAPL Present?	Y	12:09	17.60	2106	0.95	6.85	9.6	2.850		
LNAPL Level (mTOC)	-	12:12	17.70	2110	0.90	6.82	10.1	2.950		
Well Headspace Reading (PID/FID)	-	12:15	17.80	2112	0.88	6.79	10.8	3.050		
Purge Method	Low Flow									
Sampling Method	Peristaltic									
Pump Intake Depth (mTOC)	2.94	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored					CLOUDY, BROWN + YELLOW TINGE & SEDIMENTS			
Well Depth (mTOC)	4.0	Sample Containers Obtained								
DNAPL Present?	Y	Sample Collection Time					12:16			
DNAPL Level (mTOC)	-						RSK			

Checked / signed by:

Well Location	BH2	Purge Start Time			D.O. (mg/l)	pH (units)	ORP (mV)	Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (°C)	Sp.Cond (µS/cm)						
Well Diameter (mm)	50	13:02	15.20	2254	0.67	6.84	-95.3	4.040		20 SEC TO F14 40 mL VIAL
Well Material		13:05	15.40	2251	0.65	6.78	-94.2	4.040		
Static Water Level (mTOC)	3.84	13:08	15.40	2247	0.63	6.80	-93.4	4.150		
LNAPL Present?	Y ☒ N ☒	13:11	15.40	2241	0.61	6.78	-93.1	4.210		
LNAPL Level (mTOC)	—	13:14	15.40	2237	0.59	6.77	-92.9	4.275		
Well Headspace Reading (PID/FID)	—									
Purge Method	Low Flow ☒ Other: ☐									
Sampling Method	Peristaltic ☒ Bladder ☐									
Pump Intake Depth (mTOC)	4.34	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored				CLOUDY, WHITE TINGE & SEDIMENTS				
Well Depth (mTOC)	11.41	Sample Containers Obtained								
DNAPL Present?	Y ☐ N ☒	Sample Collection Time				13:15				RSK
DNAPL Level (mTOC)	—									

Well Location	BH3	Purge Start Time			D.O. (mg/l)	pH (units)	ORP (mV)	Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (°C)	Sp.Cond (µS/cm)						
Well Diameter (mm)	50	14:08	16.70	1270	1.1	7.05	22.1	4.95		20 SEC TO F14 40 mL VIAL
Well Material	—	14:11	16.80	1265	0.99	7.03	22.1	4.99		
Static Water Level (mTOC)	4.90	14:14	16.80	1258	0.97	7.00	22.1	5.04		
LNAPL Present?	Y ☐ N ☒	14:17	16.80	1254	0.95	6.97	22.3	5.07		
LNAPL Level (mTOC)	—	14:20	16.70	1239	0.92	6.95	22.2	5.11		
Well Headspace Reading (PID/FID)	—									
Purge Method	Low Flow ☒ Other: ☐									
Sampling Method	Peristaltic ☒ Bladder ☐									
Pump Intake Depth (mTOC)	5.40	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored				CLOUDY WHITE TINGE & SEDIMENTS				
Well Depth (mTOC)	11.00	Sample Containers Obtained								
DNAPL Present?	Y ☐ N ☒	Sample Collection Time				14:21				RSK
DNAPL Level (mTOC)	—									

Well Location	BH4	Purge Start Time			D.O. (mg/l)	pH (units)	ORP (mV)	Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (°C)	Sp.Cond (µS/cm)						
Well Diameter (mm)	50	15:25	16.90	1205	2.55	6.89	64.2	5.40		20 SEC TO F14 40 mL VIAL
Well Material	—	15:28	16.80	1211	2.40	6.90	61.4	5.49		
Static Water Level (mTOC)	5.22	15:31	16.70	1210	2.37	6.89	60.7	5.52		
LNAPL Present?	Y ☐ N ☒	15:34	16.60	1214	2.23	6.87	59.3	5.63		
LNAPL Level (mTOC)	—	15:37	16.50	1211	2.20	6.85	58.4	5.69		
Well Headspace Reading (PID/FID)	—									
Purge Method	Low Flow ☒ Other: ☐									
Sampling Method	Peristaltic ☒ Bladder ☐									
Pump Intake Depth (mTOC)	5.77	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored				CLOUDY WHITE TINGE & SEDIMENTS				
Well Depth (mTOC)	11.30	Sample Containers Obtained								
DNAPL Present?	Y ☐ N ☒	Sample Collection Time				15:38				RSK
DNAPL Level (mTOC)	—									

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Well Location	BHS	Purge Start Time						Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (oC)	Sp.Cond (μS/cm)	D.O. (mg/l)	pH (units)	ORP (mV)			
Well Diameter (mm)	50	16:21	16.0	1546	1.62	7.02	52.0	5.720		20 SEC TO FILL 40 ml Vial
Well Material	—	16:23	16.10	1542	1.65	7.00	51.2	5.810		
Static Water Level (mTOC)	5.50	16:27	16.10	1542	1.59	7.00	50.8	5.890		
LNAPL Present?	Y N Y	16:30	16.10	1540	1.57	6.98	50.2	5.945		
LNAPL Level (mTOC)	—	16:33	16.10	1537	1.53	6.95	49.8	5.985		
Well Headspace Reading (PID/FID)	—									
Purge Method	Low Flow ☒ Other: ☐									
Sampling Method	Peristaltic ☒ Other: ☐ Bladder ☐									
Pump Intake Depth (mTOC)	6.00	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored						CLOUDY, WHITE TINGE & SEDIMENTS		
Well Depth (mTOC)	10.30									
DNAPL Present?	Y N Y	Sample Containers Obtained								
DNAPL Level (mTOC)	—	Sample Collection Time						16 34		

RSK

Well Location	BH6	Purge Start Time						Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (oC)	Sp.Cond (μS/cm)	D.O. (mg/l)	pH (units)	ORP (mV)			
Well Diameter (mm)	50	17:18	16.20	1321	1.90	6.96	83.3	6.250		40 SEC TO FILL 40 ml Vial
Well Material	—	17:21	16.10	1318	1.85	6.93	82.1	6.295		
Static Water Level (mTOC)	6.07	17:24	16.00	1320	1.79	6.91	81.7	6.350		
LNAPL Present?	Y N Y	17:27	15.90	1317	1.71	6.88	81.4	6.415		
LNAPL Level (mTOC)	—	17:30	15.80	1316	1.70	6.87	80.9	6.530		
Well Headspace Reading (PID/FID)	—									
Purge Method	Low Flow ☒ Other: ☐									
Sampling Method	Peristaltic ☒ Other: ☐ Bladder ☐									
Pump Intake Depth (mTOC)	6.57	Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored						CLOUDY WHITE TINGE & SEDIMENTS		
Well Depth (mTOC)	10.40									
DNAPL Present?	Y N Y	Sample Containers Obtained								
DNAPL Level (mTOC)	—	Sample Collection Time						17 30		

RSK

Well Location		Purge Start Time						Depth to Water (mTOC)	Corr. REDOX (mV)*	Notes / Flow (ml/min)
		Time (HH:mm)	Temp (oC)	Sp.Cond (μS/cm)	D.O. (mg/l)	pH (units)	ORP (mV)			
Well Diameter (mm)										
Well Material										
Static Water Level (mTOC)										
LNAPL Present?	Y N									
LNAPL Level (mTOC)										
Well Headspace Reading (PID/FID)										
Purge Method	Low Flow ☐ Other: ☐									
Sampling Method	Peristaltic ☐ Other: ☐ Bladder ☐									
Pump Intake Depth (mTOC)										
Well Depth (mTOC)		Sampling Notes (e.g. oil/colour/odour), Reasons if not monitored								
DNAPL Present?	Y N									
DNAPL Level (mTOC)		Sample Containers Obtained								
		Sample Collection Time								

RSK

Checked / signed by:



APPENDIX H

GROUND GAS RESULTS

FIELD CALIBRATION RECORD SHEET

Contract Name: FORD AIRFIELD	Contract Reference: 29998	Device Type: GA5000	Serial Number: G503309
Technician Name: KIRA RADLINSKA	Date of Visit: 29/08/2018	Manufacturers Calibration Due: 03/11/2018	
Please initial to confirm that you've received, read and signed the SHE Plan (or equivalent document) for this site:			Initials: KR

Daily Field Calibration

To ensure accuracy, **prior** to each monitoring visit, a mixture of 4%v/vCH₄; 5%v/vCO₂; 50ppmCO; 0%v/v O₂ is used to calibrate the gas analyser.

The results are recorded below:-

	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂ (%v/v)	CO (ppm)
Mixture 1 (Target)	4.0	5.0	0.0	50
Achieved	4.0	5.0	0.0	50
Mixture 2 (Target)	0.0	0.0	20.9	0
Achieved	0.0	0.1	20.9	0

Post Monitoring Verification

Before leaving site, the same mixture is passed through the analyser. The actual reading is recorded to evidence any drift which may have taken place.

The results are recorded below:-

	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂ (%v/v)	CO (ppm)
Mixture 1 (Target)	4.0	5.0	0.0	50
Achieved	3.9	4.9	0.0	50
Mixture 2 (Target)	0.0	0.0	20.9	0
Achieved	0.0	0.1	20.8	0

	Calibration / Verification Performed By: KIRA RADLINSKA
	Calibration / Verification Checked By:

GAS MONITORING FIELD SHEET

Monitoring Date: 29/08/2018		Measurement datum: GL / Top of pipe / Other TOC		Offset to GL (m) 73.25		Device		Serial Number		Daily Check	
Pre-Testing Remarks:				Air Temperature: °C		GA5000		G503309		✓	
				Weather: CLOUDY / RAIN							
				Ground Conditions: WET							
Exploratory Position ID: WS1				Wind: NONE / LIGHT / MEDIUM / STRONG		Tidal State: (if applicable)					
						High / Low / Rising / Falling					
				Monitoring Round Number:		Test Number:					
Install Type: SINGLE / DOUBLE		Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm / 40mm / 50mm / Other _____ (mm)							
Test Sequence	Time of Monitoring		Gas Flow (l/hr)	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE					
	hh:mm	sec									
STAGE 1 GAS FLOW	Initial	:	+0.6	1014	-0.02	Observations:					
	Steady State	:	+0.1	1014	-0.02						
STAGE 2 GAS CONCENTRATION READINGS	Time of Monitoring		Methane (%/vol) CH4	Carbon Dioxide (%/vol) CO2	Oxygen (%/vol) O2	Hydrogen Sulphide (ppm) H2S	Carbon Monoxide (ppm) CO	LEL (%) X20	PID (ppm)		
	hh:mm	sec									
	10	52	0	0.0	0.1	20.9	0	0	0		
	:	15	0.0	0.4	20.6	0	0	0			
	:	30	0.0	0.5	20.2	0	0	0			
	:	60	0.0	0.6	19.9	0	0	0			
	:	90	0.0	0.9	19.6	0	0	0			
	:	120	0.0	1.1	19.1	0	0	0			
	:	180	0.0	1.2	18.9	0	0	0			
	:	240	0.0	1.1	18.9	0	0	0			
	:	300	0.0	1.0	18.9	0	0	0			
	:	360									
	:	420									
:	480										
:	540										
:	600										
STAGE 3 WATER LEVEL OBSERVATION		Depth (from datum) to water: 2.44 (m)		Time: :		LNAPL Top (from datum): (m)					
		Depth (from datum) to well base: 4.10 (m)				DNAPL Top (from datum): (m)					
		Hole Purged: Yes / No		Purge Start: :							
		Purge Volume: (ltrs)		Purge End: :							
Post Testing Remarks:					Samples Taken: Yes / No		Gas / Water				
					Depth (from datum)	Sample Ref	Type	Container			
							EW / G				
		Contract Name: FORD AIRFIELD			Contract Ref: 29228		Data Collected By: KR				
		Project Manager / Engineer: ANDREW TRANTER			Page: 1 of 16		Checked:				

GAS MONITORING FIELD SHEET

Monitoring Date: 29/08/2018		Measurement datum: <u>GL / Top of pipe / Other</u>		Offset to GL (m)		Device		Serial Number		Daily Check	
Pre-Testing Remarks:				Air Temperature: °C		GA5000		G503309		✓	
				Weather: Rainy / cloudy							
				Ground Conditions: WET							
Exploratory Position ID: BH1				Wind: NONE / LIGHT / MEDIUM / STRONG		Tidal State: (if applicable)					
						High / Low / Rising / Falling					
				Monitoring Round Number:		Test Number:					
Install Type: SINGLE / DOUBLE			Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm / 40mm / 50mm / Other (mm)						

Test Sequence	Time of Monitoring		Gas Flow (l/hr)	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: SINGLE / DOUBLE
	hh:mm	sec				
STAGE 1 GAS FLOW	Initial		40.0	1014	0.03	Observations:
	Steady State		+0.0	1014	0.03	

STAGE 2 GAS CONCENTRATION READINGS	Time of Monitoring		Methane (%/vol) CH4	Carbon Dioxide (%/vol) CO2	Oxygen (%/vol) O2	Hydrogen Sulphide (ppm) H2S	Carbon Monoxide (ppm) CO	LEL (%) X20	PID (ppm)
	hh:mm	sec							
		11:03	0	0.0	0.1	20.9	0	0	0
	:	15	0.0	0.4	20.0	0	4	0	
	:	30	0.0	0.4	19.7	0	7	0	
	:	60	0.0	0.4	19.7	0	10	0	
	:	90	0.0	0.4	19.7	0	10	0	
	:	120	0.0	0.4	19.7	0	10	0	
	:	180	0.0	0.4	19.7	0	10	0	
	:	240	0.0	0.4	19.6	0/1	10/9	0	
	:	300	0.0	0.5	19.5	1	9	0	
	:	360							
	:	420							
	:	480							
	:	540							
	:	600							

STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water: 2.15 (m)		Time: :		LNAPL Top (from datum): (m)	
	Depth (from datum) to well base: 8.25 (m)				DNAPL Top (from datum): (m)	
	Hole Purged: Yes / No		Purge Start: :			
	Purge Volume: (ltrs)		Purge End: :			

Post Testing Remarks:				Samples Taken: Yes / No		Gas / Water	
				Depth (from datum)	Sample Ref	Type	Container
						EW / G	

	Contract Name: FORD AIRFIELD		Contract Ref: 29228		Data Collected By: KR	
	Project Manager / Engineer: ANDREW TRANTER		Page: 2 of 16		Checked:	

GAS MONITORING FIELD SHEET

Monitoring Date: 29/08/2018	Measurement datum: GL / Top of pipe / Other <u>TOC</u>	Offset to GL (m) <u>75.84</u>	Device GA5000	Serial Number G503309	Daily Check ☒
Pre-Testing Remarks:		Air Temperature: °C			
		Weather: <u>cloudy, Rain</u>			
		Ground Conditions: <u>WBT</u>			
Exploratory Position ID: <u>1283</u>		Wind: NONE / LIGHT / <u>MEDIUM</u> / <u>STRONG</u>		Tidal State: (if applicable) High / Low / Rising / Falling	
Install Type: SINGLE / DOUBLE		Pipe Ref: 1) Shallow 2) Deep		Pipe Diameter: 19mm / <u>40mm</u> / 50mm / Other _____ (mm)	
		Monitoring Round Number:		Test Number:	

Test Sequence	Time of Monitoring		Gas Flow (l/hr)	Atmospheric Pressure (mb)	Differential Pressure (mb)	Gas tap: <u>SINGLE</u> / DOUBLE
	hh:mm	sec				
STAGE 1 GAS FLOW	Initial		<u>10.0</u>	<u>1014</u>	<u>0.03</u>	Observations:
	Steady State		<u>10.0</u>	<u>1014</u>	<u>0.03</u>	

STAGE 2
GAS
CONCENTRATION
READINGS

Time of Monitoring		Methane (%/vol) CH4	Carbon Dioxide (%/vol) CO2	Oxygen (%/vol) O2	Hydrogen Sulphide (ppm) H2S	Carbon Monoxide (ppm) CO	LEL (%) X20	PID (ppm)
hh:mm	sec							
12	40	0.0	0.1	20.9	0	0	0	
:	15	0.0	1.9	19.5	0	1	0	
:	30	0.0	1.9	18.8	0	1	0	
:	60	0.0	2.0	18.7	0	1	0	
:	90	0.0	2.0	18.7	0	1	0	
:	120	0.0	2.0	18.7	0	1	0	
:	180	0.0	2.0	18.7	0	1	0	
:	240	0.0	1.9	18.8	0	1	0	
:	300	0.0	1.9	18.8	0	1	0	
:	360					1	0	
:	420							
:	480							
:	540							
:	600							

STAGE 3 WATER LEVEL OBSERVATION	Depth (from datum) to water: <u>DRY</u> (m)		Time: :	LNAPL Top (from datum): (m)
	Depth (from datum) to well base: <u>2.10</u> (m)			DNAPL Top (from datum): (m)
	Hole Purged: Yes / ☒ No		Purge Start: :	
	Purge Volume: (ltrs)		Purge End: :	

Post Testing Remarks:	Samples Taken: Yes / No		Gas / Water	
	Depth (from datum)	Sample Ref	Type	Container
			EW / G	

	Contract Name: FORD AIRFIELD		Contract Ref: 29228	Data Collected By: KR
	Project Manager / Engineer: ANDREW TRANTER		Page: 3 of 16	Checked: