



INVESTIGATE



REMEDiate



REGENERATE

TECHNICAL REPORT

**CONTAMINATION HOTSPOT
REMOVAL VERIFICATION REPORT
FOR
CAULCOTT PARK,
LOWER HEYFORD ROAD,
CAULCOTT,
BICESTER
OXFORDSHIRE
FOR
DAVID SMITH**

**REPORT NO. SE1311C
JUNE 2016**



SUB SURFACE SOUTH EAST LIMITED

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SE1311C – CAULCOTT, BICESTER

**CONTAMINATION HOTSPOT REMOVAL VERIFICATION REPORT FOR
CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT, BICESTER,
OXFORDSHIRE**

CLIENT: DAVID SMITH

1. INTRODUCTION

This verification report has been prepared in accordance with an emailed instruction, dated 25th April 2016, from the Client.

The brief was set out in our estimate, ref. ESE1761C and dated 20th April 2016 and comprises:

- On-site supervision of hotspot excavation and sampling
- Contamination analyses
- Provision of Hotspot Removal Verification Report

It should be noted that we have previously issued the following reports for this site, which should be read in conjunction with this report:

- Phase I Desk Study ref. SE1311, dated September 2015
- Phase II Ground Investigation ref. SE1311A, dated November 2015
- Phase II Ground Investigation Gas Update ref. SE1311B, dated February 2016

1.1 Site Location and Description

The site is located at Caulcott Park, Lower Heyford Road, Caulcott, Bicester, Oxfordshire, OX25 4ND, as indicated in Figure 1. The approximate National Grid Reference of the centre of the site is 450596, 224426.

The site forms an irregular shaped area of 0.52ha, which at the time of the investigation comprised an overgrown field bordered by dense hedgerows and mature trees. The ground surface was generally flat, sloping slightly to the south in the south west corner, and at a lower level than the surrounding farmland. The site was accessed at the south west corner from a lay-by off Lower Heyford Road, which formed the southern boundary.

1.2 Proposed Development and Purpose of the Verification Report

We understand that it is proposed to develop the site with a five pitch gypsy site as detailed in Figure 2.

The purpose of the Verification Report is to document the removal of a contamination hotspot identified within the made ground during the Phase II ground investigation, as indicated on Figure 3.

In addition a visual inspection for potentially contaminative made ground was made in areas where a site scrape had been undertaken.

SE1311C – CAULCOTT, BICESTER

1.3 Summary of Previous Reports

1.3.1 Phase I Desk Study (ref. SE1311)

The Phase I Desk Study identified the following significant contamination risks:

- Moderate risk to workers, end users, controlled waters and vegetation from general contaminants within made ground on site, including metals, total petroleum hydrocarbons (TPHs) and polynuclear aromatic hydrocarbons (PAHs).
- Low risk to workers and end users from asbestos within on site made ground.
- Low risk to workers, end users, controlled waters and vegetation from TPH leakage/ spillage from machinery, tanks and vehicles associated with former land use as a gravel pit.
- Moderate risk to workers and end users from ground gas from potentially infilled ground underlying the site.

1.3.1 Phase II Ground Investigation (ref. SE1311A/ SE1311B)

The Phase II ground investigation was carried out by Sub Surface South East Ltd in October 2015 with the purpose of assessing the geotechnical and geo-environmental status of the site and comprised:

- 5 No. mini boreholes
- 2 No. trial pits with soakaway tests
- 2 No. trial pits with percolation tests
- Contamination analysis
- Installation of standpipes followed by groundwater and ground gas monitoring

Summary of the findings

The exploratory holes found grass overlying a general dark brown slightly gravelly cohesive topsoil to a maximum depth of 0.40m. Gravel sized fragments consisted of fine to coarse stone with occasional bituminous macadam found in one borehole only (M5).

Underlying the topsoil was encountered residual clays derived from in-situ weathering of underlying limestone and generally comprising firm to stiff orangish brown gravelly silty clay. Highly weathered light yellowish brown limestone bedrock was encountered in three exploratory holes (M1, M4 and TP1) at depths of between 0.90m and 1.60m.

No groundwater was encountered in the exploratory holes during drilling/ excavation or during monitoring of standpipes.

Contamination Assessment

One sample of near surface made ground/ topsoil was taken from each of the five boreholes and analysed for a suite of determinants comprising a range of common contaminants. The results of the analyses were compared with current guideline values for standard land use of residential with plant update. Contamination levels that exceeded the guideline values are listed in Table 1 as follows:

SE1311C – CAULCOTT, BICESTER

TABLE 1 ELEVATED LEVELS OF CONTAMINANTS

Contaminant (all units in Mg/Kg)	M5 (0.1m)	Guideline Value (S4ULs)
Benzo(a)anthracene	69	13*
Chrysene	76	27*
Benzo(b)fluoranthene	80	3.7*
Benzo(a)pyrene	64	3.0*
Indeno(1,2,3-cd)pyrene	44	41*
Dibenzo(a,h)anthracene	9.3	0.3*

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The contamination assessment determined elevated levels of PAHs and relatively elevated levels of TPH >C10- C40 were present in the near surface made ground found in M5. It was concluded that the localised contamination was associated with made ground found to a depth of 0.20m where fragments of bituminous macadam were present and evident only in this area.

It was recommended that further sampling and analysis was undertaken to delineate the extent of the elevated contamination.

Ground Gas Assessment

Ground gases (methane, carbon dioxide and oxygen) and flow rate were monitored on six occasions between 29/10/2015 and 07/01/2016 with the following ranges:

TABLE 2 GROUND GAS CONCENTRATIONS AND FLOW RATE

Methane (% vol. In air)	Carbon Dioxide (% vol. in air)	Oxygen (% vol. in air)	Gas Flow Rate (litres/ hour)
0.0	0.6 – 1.3	18.5 – 19.9	<0.1

The levels of gas were assessed in accordance with British Standard 8485, "Code of practice for the characterisation and remediation from ground gas in affected developments", published in October 2007 (BS.8485:2007).

The characteristic hazardous gas flow rate for the site was determined as 0.001 l/hr, indicating the site has a characteristic gas situation CS1 and therefore no protection and remedial measures were required.

1.4 Updated Conceptual Ground Model

A conceptual ground model of a site has been produced based on the information in the Phase I report and updated with regards to contamination sources, pathways and receptors, following the ground investigation sampling and analyses, as follows:

Potential Source	Contaminants Associated with the Source	Pathway	Receptor	Risk Rating	Risk Mitigation Measure
Contaminants in made ground on site – hotspot found in area of M5	Polynuclear Aromatic Hydrocarbons (PAH)	Ingestion of soil	Site Operatives End Users	Low	Delineation and removal of contaminative material
		Ingestion of dust			
		Dermal contact			
		Inhalation of dust			
		Inhalation of vapours			
		Uptake via contaminated groundwater	Vegetation	Very Low	Delineation and removal of contaminative material
		Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Very Low	Delineation and removal of contaminative material
Fuel/ oil spillage and/or leakage from machinery and/or fuel/oil tanks and/or vehicles associated with former land use	Total Petroleum Hydrocarbons (TPH) Benzene/ Toluene/ Ethylbenzene/ Xylene (BTEX)	Ingestion of soil	Site Operatives End Users	Negligible	None required
		Ingestion of dust			
		Dermal contact			
		Inhalation of dust			
		Inhalation of vapours			
		Uptake via contaminated groundwater	Vegetation	Negligible	None required
		Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Negligible	None required
Asbestos in on site made ground	Asbestos fibres	Inhalation of fibres	Site Operatives End Users	Negligible	None required
Landfill (infilled gravel pit on site)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives End Users	Negligible	None required

2. REMEDIATION STRATEGY

The remediation strategy detailed below was outlined in correspondence with the Local Council dated 12th April 2016 and confirmed as acceptable via email dated 21st April 2016.

- Excavation of potentially contaminative material from the area of M5 so that clean material is encountered at the sides and base.
- The excavated potentially contaminative material to be removed to an appropriate waste disposal facility.
- Validation samples of "clean" material to be recovered from the sides and bases.
- Chemical analyses for speciated PAHs and assessment with current relevant generic guideline values (GACs).
- If samples significantly exceed the GAC values, an additional 200m excavation with sampling and analyses is to be undertaken from the relevant side or base.
- Photographic evidence of the works is to be supplied.
- Any additional areas of potentially contaminative made ground identified in areas where a site strip has been undertaken are to be sampled and analysed.
- Relevant documentation is to be included within the Verification Report.

Work was undertaken on 22nd April 2016. A 5m square excavation was removed to a depth of 0.30m from the area surrounding M5. Samples were taken from the base and sides, as shown in Figure 4, and sent for PAH chemical contamination analysis. Excavation record sheets detailing the strata found at sampling locations are appended.

Photographs of the works and waste disposal notes supplied by the Client are appended.

3. VERIFICATION

3.1 Assessment

The samples from the faces and bases of the excavation were tested for speciated Polynuclear Aromatic Hydrocarbons (PAHs) and the results are appended. The levels have been compared against published screening values (S4ULs and C4SLs) for the standard land use of residential with plant uptake (with home produce).

The results of the analyses indicated that no significantly elevated levels of PAHs were present in the base and sides of the excavation demonstrating that the potentially contaminated material has been removed.

It should be noted that the concentration of dibenzo(a,h)anthracene (0.37mg/kg) determined in S1 was found to be marginally elevated when compared to the S4UL value of 0.30mg/kg*. However as no elevated level of benzo(a)pyrene was determined in this sample when compared to both C4SL and S4UL values, it was possible to reassess the significance of the elevated dibenzo(a,h)anthracene level using benzo(a)pyrene as a surrogate marker, as detailed in the C4SL guidance. Comparison of the ratio of eight genotoxic PAHs to benzo(a)pyrene with the ratio profile of the study used as the basis for the C4SL determination (Culp et al), shows the dibenzo(a,h)anthracene concentration to be within acceptable levels indicating no significant risk. A sheet detailing the ratio comparison is appended.

A visual inspection was also undertaken in an area in the south west of the site, as indicated in Figure 3, where topsoil had been recently removed. There was no visual or olfactory evidence found of any contamination or potentially contaminative made ground being present.

3.2 Conclusion

The information presented within this Verification Report demonstrates that the made ground source of elevated PAH levels and any surrounding potentially contaminated soil have been successfully removed and the surrounding soils have been tested and found to be suitable for the end use of the site.

4. GENERAL

We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned.

SUB SURFACE CONSULTANTS LIMITED
REPORT No. SE1311C
JUNE 2016

T Plum B.Sc. (Hons.), MSc.
Geoenvironmental Engineer
For and on behalf of
Sub Surface Consultants Limited

C. A. Marsden B.Sc.(Hons.), C.Eng., M.I.C.E.
Director
For and on behalf of
Sub Surface Consultants Limited.

PHOTOGRAPHS



SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

Photographs

Site: CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT, BICESTER, OXFORDSHIRE

Client: DAVID SMITH

Job No.
SE1311C

Sheet
1 / 5

Date
22/04/16

PHOTOGRAPHS - EXCAVATION WORKS





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Photographs

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Client: DAVID SMITH

Job No.
SE1311C

Sheet
2 / 5

Date
22/04/16

PHOTOGRAPHS - EXCAVATION WORKS





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Photographs

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Client: DAVID SMITH

Job No.
SE1311C

Sheet
3 / 5

Date
22/04/16

PHOTOGRAPHS - EXCAVATION WORKS





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Photographs

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Client: DAVID SMITH

Job No. SE1311C

Sheet 4 / 5

Date 22/04/16

PHOTOGRAPHS - SITE STRIP AREA IN SW





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Photographs

Site: CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT, BICESTER, OXFORDSHIRE

Client: DAVID SMITH

Job No. SE1311C

Sheet 5 / 5

Date 22/04/16

PHOTOGRAPHS - SITE STRIP AREA IN SW



CONTAMINATION ANALYSIS RESULTS



Final Report

Report No.: 16-09794-1

Initial Date of Issue: 04-May-2016

Client: Sub Surface

Client Address: 3 Peel Street
Preston
Lancashire
PR2 2QS

Contact(s): Simon Gabbatt

Project: SE1311B Caulcott Park, Lower Heyford
Road, Caulcott, OX25 4ND

Quotation No.: **Date Received:** 27-Apr-2016

Order No.: **Date Instructed:** 27-Apr-2016

No. of Samples: 5

Turnaround (Wkdays): 5 **Results Due:** 04-May-2016

Date Approved: 04-May-2016

Approved By:

[REDACTED]

Details: Keith Jones, Technical Manager

Client: Sub Surface	Chemtest Job No.:		16-09794		16-09794		16-09794		16-09794	
	Quotation No.:	Chemtest Sample ID.:	286561	286562	286563	286564	286565	Order No.:	Client Sample Ref.:	16-09794
	Client Sample Ref.:		S1	S2	S3	S4	S5			
	Client Sample ID.:		709	710	711	712	713			
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL			
	Top Depth (m):		0.35	0.10	0.20	0.10	0.20			
	Bottom Depth (m):		0.35	0.10	0.20	0.10	0.2			
	Date Sampled:		22-Apr-2016	22-Apr-2016	22-Apr-2016	22-Apr-2016	22-Apr-2016			
Determinand	Accred.	SOPI	Units	LOD						
Moisture	N	2030	%	0.020	19	18	19	19	19	19
Naphthalene	U	2700	mg/kg	0.10	0.17	< 0.10	0.44	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	0.12	< 0.10	0.16	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	0.11	< 0.10	0.43	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	0.10	< 0.10	0.44	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	1.2	0.33	3.5	< 0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	0.38	0.12	0.94	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	3.5	0.56	3.6	0.24	0.24	0.32
Pyrene	U	2700	mg/kg	0.10	3.8	0.62	3.3	0.28	0.28	0.37
Benzo[a]anthracene	U	2700	mg/kg	0.10	1.9	0.16	1.3	< 0.10	< 0.10	0.13
Chrysene	U	2700	mg/kg	0.10	2.7	0.26	1.9	< 0.10	< 0.10	0.40
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	3.0	0.44	1.6	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	1.4	0.30	0.82	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	2.3	0.42	1.2	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	1.7	< 0.10	0.67	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	0.37	< 0.10	0.18	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	2.1	< 0.10	0.78	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	2700	mg/kg	2.0	25	3.2	21	< 2.0	< 2.0	< 2.0

Report Information

Key

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at our Coventry laboratory

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

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container

Sample Retention and Disposal

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

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

Charges may apply to extended sample storage

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

customerservices@chemtest.co.uk

Inits						
g/kg	2.30	1.90	2.70	3.00	1.40	0.37
g/kg	0.42	0.16	0.26	0.44	0.30	0.10
g/kg	1.20	1.30	1.90	1.60	0.82	0.18
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg						
g/kg	1.31	1.12	1.62	1.68	0.84	0.22

	Units	Mean Concentrations in samples	Mean Ratio to BaP in Samples	Mean ratio to BaP in Culp* Study	Lower limit	Upper limit
	mg/kg	1.306666667	1.00	-	-	-
	mg/kg	1.12	0.86	1.24	0.12	12.43
	mg/kg	1.62	1.24	1.16	0.12	11.61
	mg/kg	1.68	1.29	1.08	0.11	10.85
	mg/kg	0.84	0.64	0.37	0.04	3.72
	mg/kg	0.216666667	0.17	0.14	0.01	1.38
	mg/kg	0.66	0.51	0.73	0.07	7.27
	mg/kg	0.993333333	0.76	0.82	0.08	8.22

Comparison of BaP Ratios



EXCAVATION RECORD SHEETS



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Site
 CAULCOTT PARK, LOWER HEYFORD ROAD,
 CAULCOTT, BICESTER, OXFORDSHIRE

Trial Pit Number
S1

Excavation Method MECHANICAL EXCAVATOR	Dimensions	Ground Level (mOD)	Client DAVID SMITH	Job Number SE1311C
	Location AS PLAN	Dates 22/04/2016	Engineer	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.35	A		22/04/2016:		(0.30) 0.30 (0.10) 0.40	MADE GROUND: grass over dark brown to brown sandy gravelly clay. Gravel sized fragments are angular fine to coarse bituminous macadam and limestone. Orange to brown sandy gravelly CLAY. Gravel is angular to subangular fine to coarse limestone. Complete at 0.40m		

Plan

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.
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Remarks

A = 250ml amber glass jar

Scale (approx) 1:25	Logged By GM/SJ	Figure No. SE1311C.S1
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Site
 CAULCOTT PARK, LOWER HEYFORD ROAD,
 CAULCOTT, BICESTER, OXFORDSHIRE

Trial Pit
 Number
S2

Excavation Method MECHANICAL EXCAVATOR	Dimensions	Ground Level (mOD)	Client DAVID SMITH	Job Number SE1311C
	Location AS PLAN	Dates 22/04/2016	Engineer	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10	A		22/04/2016:		(0.30) 0.30	TOPSOIL: grass over brown sandy slightly gravelly clay. Gravel is subrounded to subangular fine to coarse limestone. Complete at 0.30m		


Plan

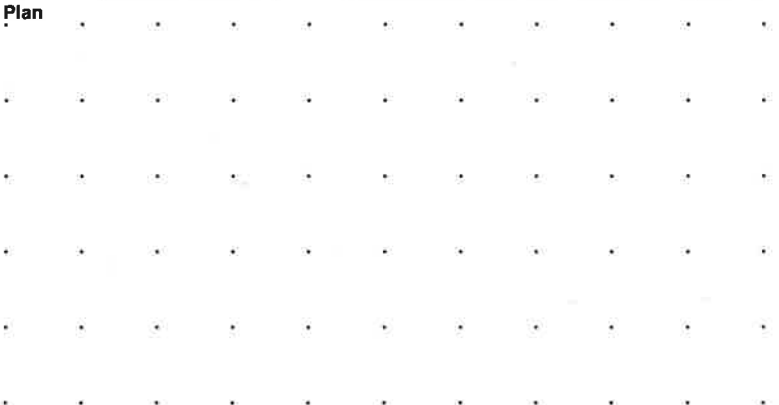
Remarks
 A = 250ml amber glass jar

Scale (approx) 1:25	Logged By GM/SJ	Figure No. SE1311C.S2
-------------------------------	---------------------------	---------------------------------



Excavation Method MECHANICAL EXCAVATOR	Dimensions	Ground Level (mOD)	Client DAVID SMITH	Job Number SE1311C
	Location AS PLAN	Dates 22/04/2016	Engineer	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	A		22/04/2016: _____		(0.30) 0.30	TOPSOIL: grass over brown sandy slightly gravelly clay. Gravel is subrounded to subangular fine to coarse limestone. Complete at 0.30m		

Plan 	Remarks A = 250ml amber glass jar		
	Scale (approx) 1:25	Logged By GM/SJ	Figure No. SE1311C.S3



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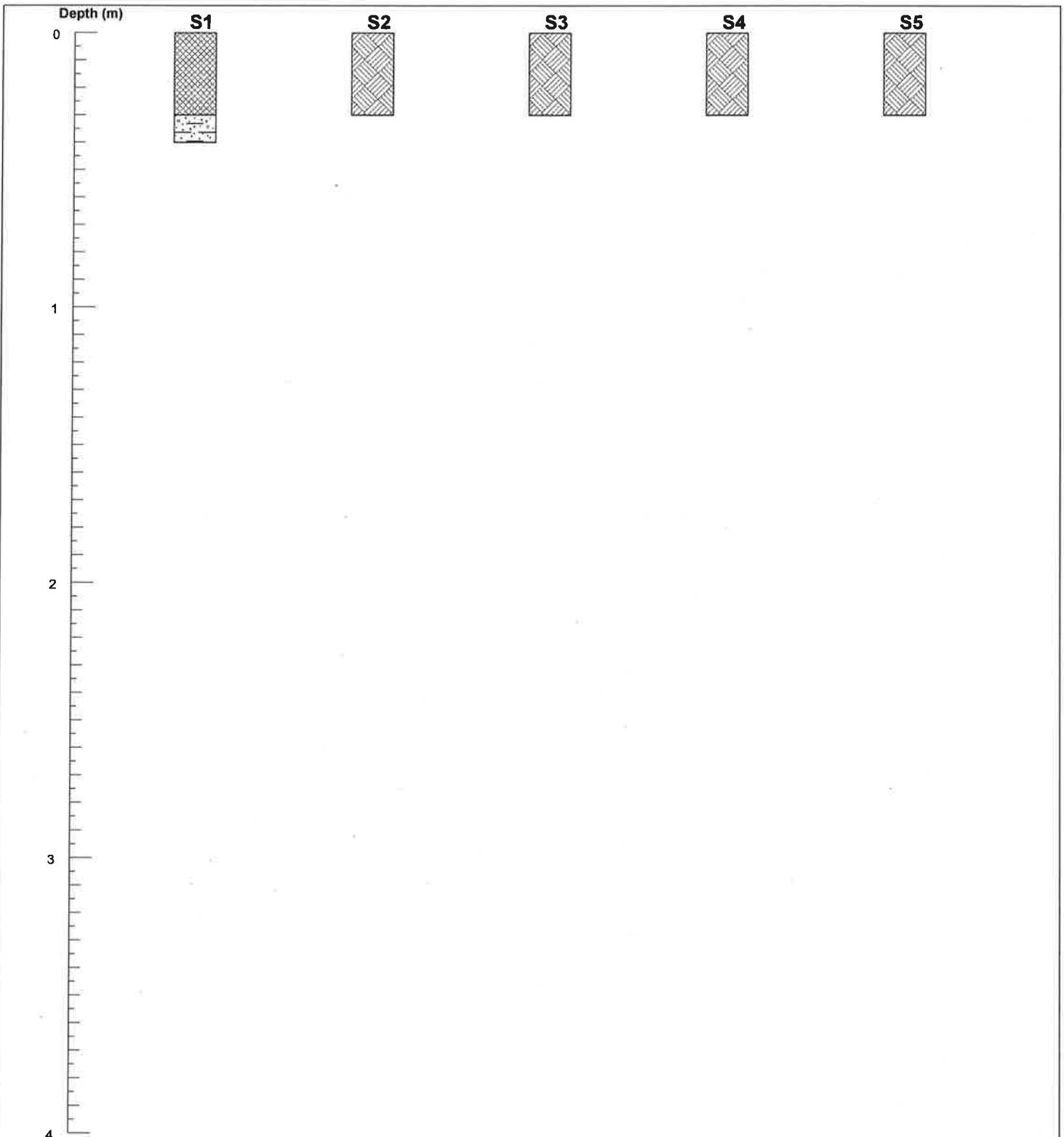
Site
CAULCOTT PARK, LOWER HEYFORD ROAD,
CAULCOTT, BICESTER, OXFORDSHIRE






Trial Pit
Number
S4

Excavation Method MECHANICAL EXCAVATOR	Dimensions	Ground Level (mOD)	Client DAVID SMITH	Job Number SE1311C
	Location AS PLAN	Dates 22/04/2016	Engineer	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10	A		22/04/2016:		(0.30) 0.30	TOPSOIL: grass over brown sandy slightly gravelly clay. Gravel is subrounded to subangular fine to coarse limestone. Complete at 0.30m		

Plan 	Remarks A = 250ml amber glass jar		
	Scale (approx) 1:25	Logged By GM/SJ	Figure No. SE1311C.S4



- Key**
-  Groundwater Strike
 -  Strike Rise Level
 -  MADE GROUND
 -  Silty sandy gravelly CLAY
 -  TOPSOIL

S SUB SURFACE
 SITE INVESTIGATION, GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
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Nominal Section

Site
 CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT, BICESTER, OXFORDS

Date Drawn
 01/06/2016

Date Checked

Sheet
 1/1

Job Number
 SE1311C

Client
 DAVID SMITH

Drawn By

Checked By

Scale
 1:20[V]

Figure No.
 SE1311C.1

WASTE CONSIGNMENT NOTES

Opes Industries Ltd.

Finmere Quarry, Banbury Road, Finmere, Buckingham, Bucks MK18 4AJ
Tel: 01280 848827 Fax: 01280 848743
www.opes.uk.com



TRANSFER / ADVICE NOTE / SALES INVOICE

TO: [REDACTED] FROM: [REDACTED]
 REFERENCE: [REDACTED]
 DATE: [REDACTED]
 QUANTITY: [REDACTED]
 WEIGHT: [REDACTED]
 DESCRIPTION: [REDACTED]
 EU WASTE CODE: [REDACTED]
 SIC CODE: [REDACTED]
 EXPIRE DATE: [REDACTED]
 TRANSFER DATE: [REDACTED]

[REDACTED]

LOAD TICKET NO

Section A - Description of waste

A1 Description of the waste being transferred

INERT SOIL

List of Waste Regulations code(s)

17 05 04

A2 How is the waste contained?

Loose Sacks Skip Drum

Other

A3 How much waste? For example, number of sacks, weight

Section B - Current holder of the waste - Transferor

By signing in Section D below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011 Yes

B1. Full name

DAVID SMITH

Company name and address

5 CAULCOTT PARK

LOWER HEYFORD ROAD

CAULCOTT

Postcode OX254ND SIC code (2007) 38.21

B2 Name of your unitary authority or council

GN57ATF

B3 Are you:

The producer of the waste?

The importer of the waste?

The local authority?

The holder of an environmental permit?

Permit number _____

Issued by _____

Registered waste exemption?

Details, including registration number _____

A registered waste carrier, broker or dealer?

Registration number TNE/376823

Details (are you a carrier, broker or dealer?) _____

Section C - Person collecting the waste - Transferee

C1 Full name

DAVID SMITH

Company name and address

SMITHS SKIPS 14

OAKHAVEN PARK

RADLIVE ROAD CAULCOTT

Postcode MK184JB

C2 Are you:

The local authority?

C3 Are you:

The holder of an environmental permit?

Permit number _____

Issued by _____

Registered waste exemption?

Details, including registration number _____

A registered waste carrier, broker or dealer?

Registration number TNE/376823

Details (are you a carrier, broker or dealer?) _____

Section D - The transfer

D1 Address of transfer or collection point

FINNERS

Postcode _____

Date of transfer (DD/MM/YYYY) _____

D2 Broker or dealer who arranged this transfer (if applicable)

Postcode _____

Registration number _____

Time(s) _____

Transferor's signature



Name _____

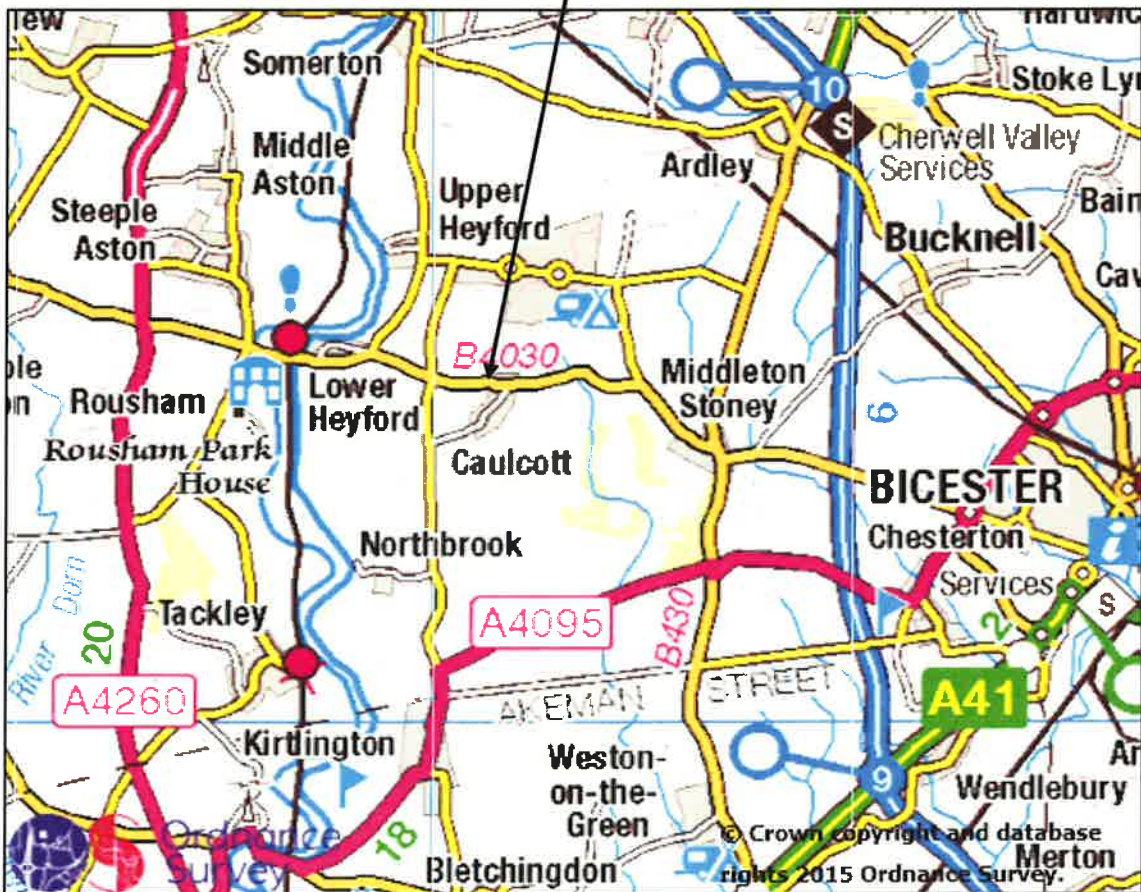
Representing _____

Transferee's signature

Name _____

Representing _____

FIGURES



SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

Site
**CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT,
BICESTER, OXFORDSHIRE**

Client
DAVID SMITH

General Site Location

Date Drawn 31-May-16	Date Checked	Orientation 	Job No. SE1311C
Drawn By TP	Checked By	Scale -	Figure No. 1

LEGEND

FENCES

- mp metal post
- wf wood post
- cl chainlink
- cp chestnut palling
- cr close & rail
- dr post & rail
- bw barbed wire
- rw wood fence
- mr metal rail
- oi corrugated iron
- pa palisade
- ba barrier
- gt gate
- ll larch lap

LEVELS

- C.L. Cover Level
- F.L. Floor Level
- F.T. Finished Level
- W.L. Water Level
- OSBM Ordnance Survey
- Bench Mark

WALLS

- bk brick wall
- ow concrete wall
- sw stone wall
- es edging stones

SERVICES

- bt British Telecom
- lp lamp post
- fv fire hydrant
- ep electricity pole
- ca cable
- dist distribution pillar
- ov overhead cable
- st stay wire
- tl traffic lights
- bs bus shelter
- sb steel buttress
- ks keep left bollard
- kl phone kiosk
- pk

DRAINAGE

- M.H. manhole
- I.C. Inspection Chamber
- gy gully
- dc drainage channel
- sd storm drain
- rc roading eye
- cv cover
- rwp rainwater pipe

ROADS

- dk drop kerbs
- se setts
- rs road sign
- ts tactile slabs
- ak edging kerbs
- we wood edging

224450 N
45700 E

**NIGEL RUXTON
LAND SURVEYS**

12 Webbs Way
Bredon Road
Tewkesbury
Gloucestershire
GL20 5FR

Tel. 01684 298892
Mob. 07831 881822

email: nigel.nris@btinternet.com
www.nigelruxtonlandsurveys.co.uk

LOCATION:
CAULCOTT PARK
LOWER HEYFORD ROAD
CAULCOTT
OXFORDSHIRE OX25 4ND

CLIENT:
MR D SMITH

DRAWING TITLE:
PROPOSED SITE LAYOUT

SCALE: 1 to 500
DATE: OCTOBER 2013
SHEET SIZE: A3

DRAWING NUMBER: 1391/02
DRAWN BY: N.R.

45600 E

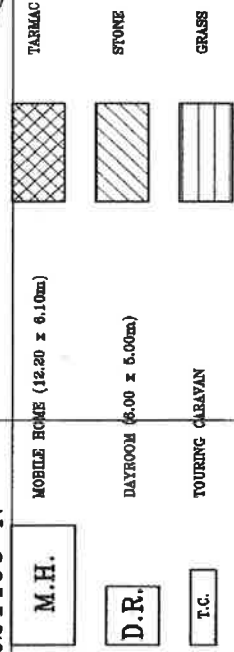
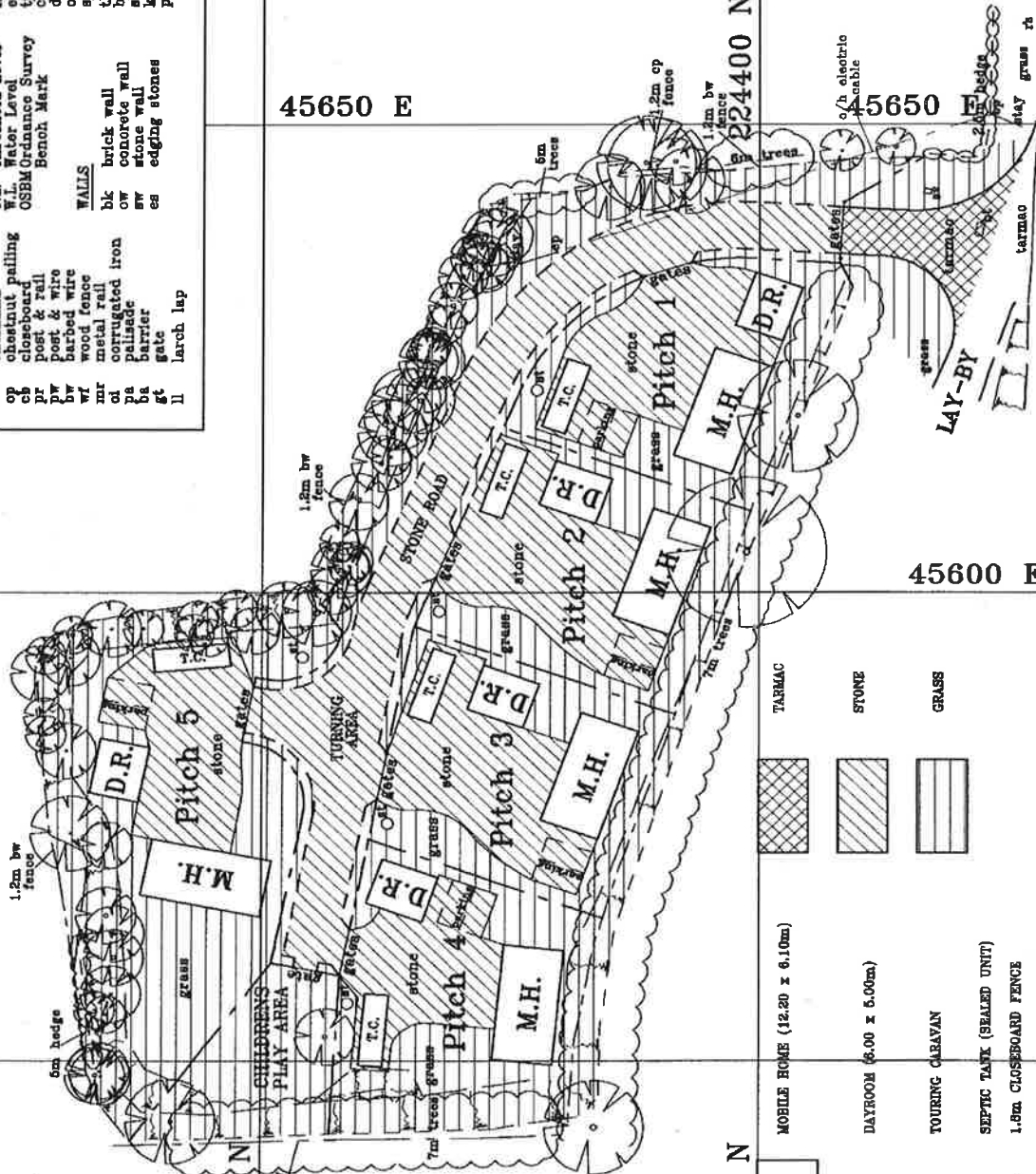
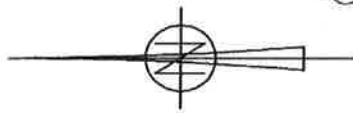
45550 E

45650 E

224400 N

224450 N

45600 E




SUB SURFACE
SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

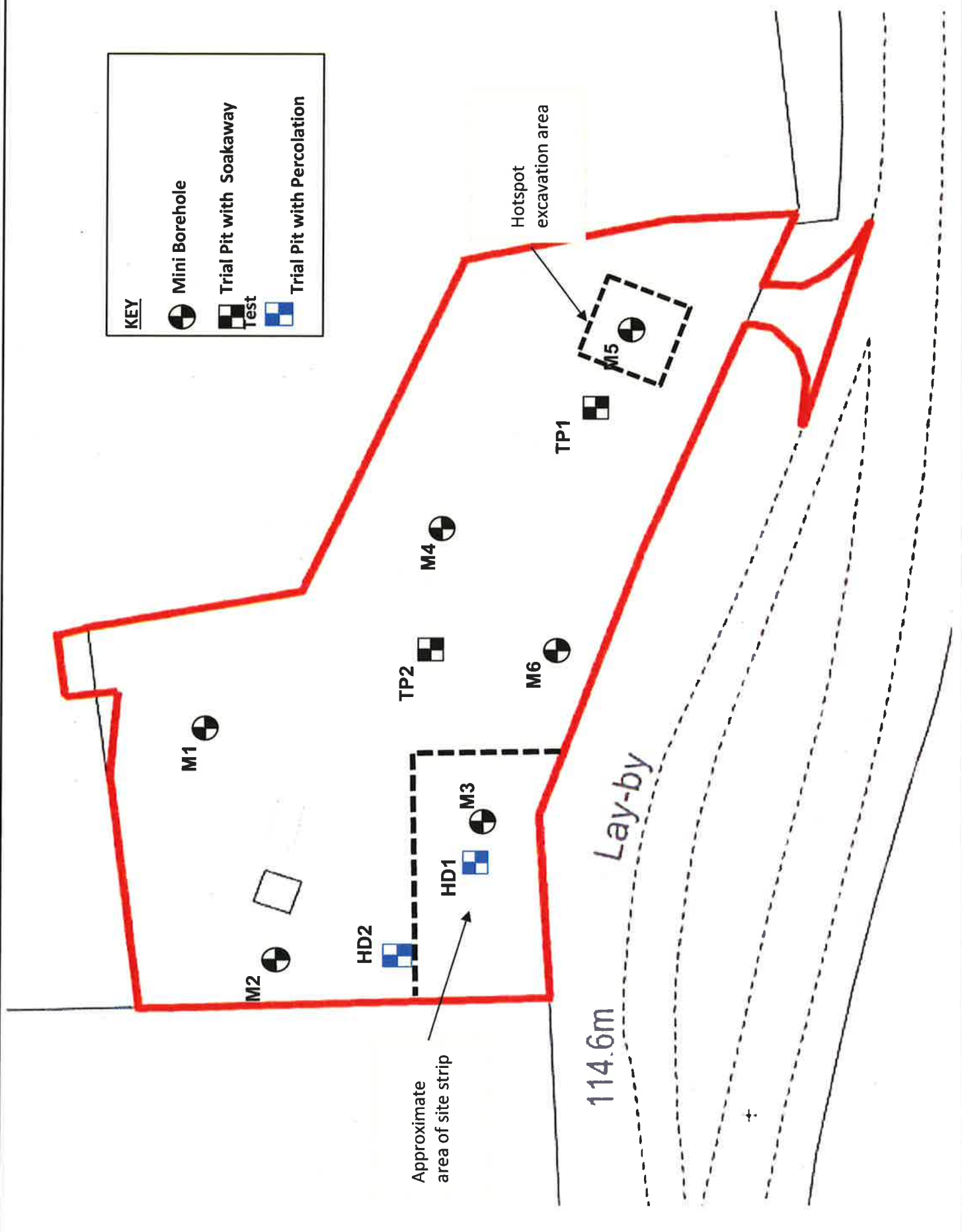
Proposed Development



Site
CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT,
BICESTER, OXFORDSHIRE
Client
DAVID SMITH

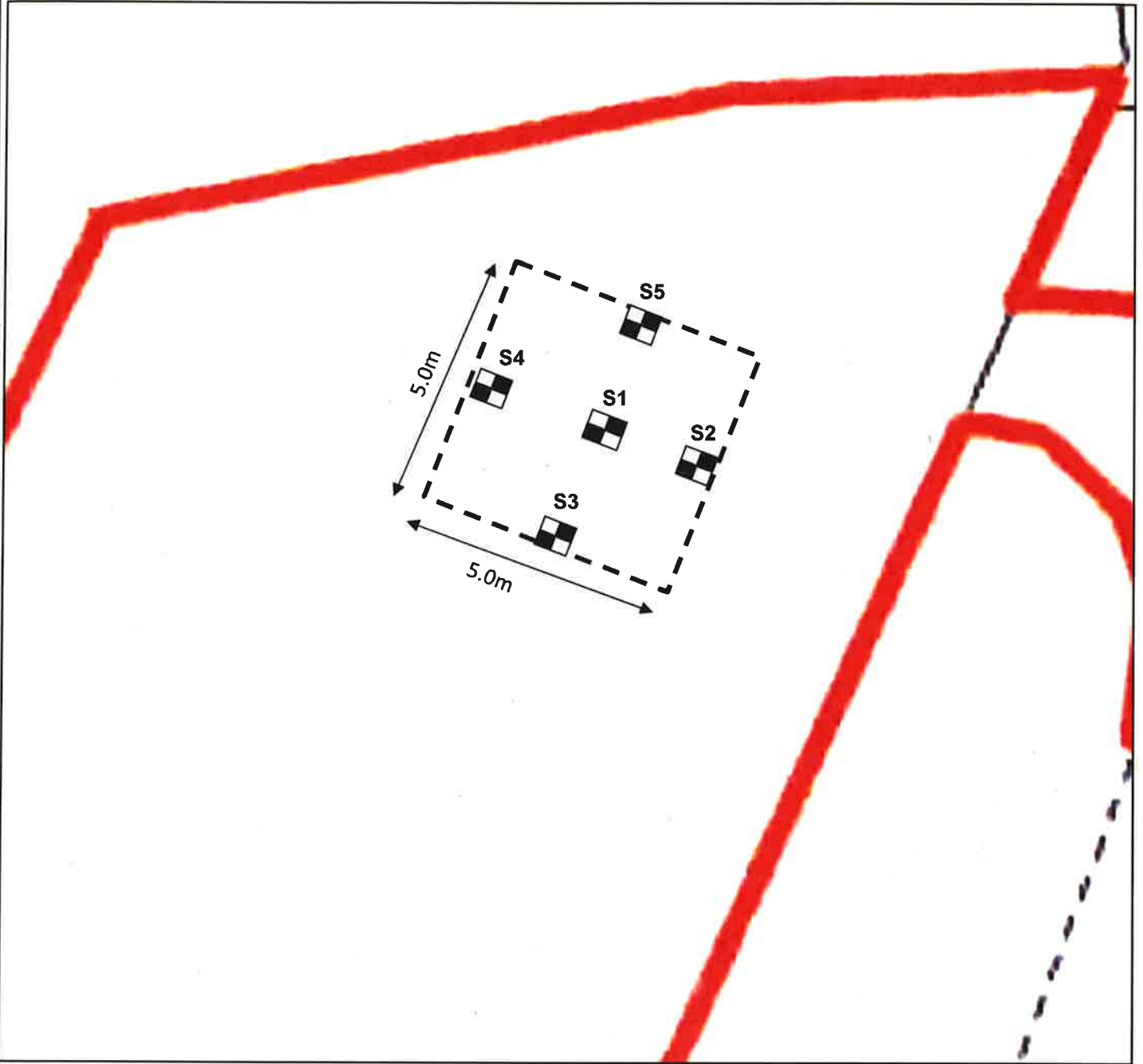
Date Drawn 31-May-16
Date Checked
Orientation
Job No. SE1311C
Drawn By TP
Checked By
Scale
Figure No. 2

KEY

-  Mini Borehole
-  Trial Pit with Soakaway
-  Trial Pit with Percolation



 SUB SURFACE SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS 3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907	Site Plan			
	Date Drawn 31-May-16	Date Checked	Orientation 	Job No. SE1311C
Site CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT, BICESTER, OXFORDSHIRE	Drawn By TP	Checked By	Scale -	Figure No. 3
Client DAVID SMITH				



SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS
 3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

Contamination Hotspot Excavation Sampling Plan

Site
 CAULCOTT PARK, LOWER HEYFORD ROAD, CAULCOTT,
 BICESTER, OXFORDSHIRE

Date Drawn
 31-May-16

Date Checked



Job No.
 SE1311C

Client
 DAVID SMITH

Drawn By
 TP

Checked By

Scale
 -

Figure No.
 4