

VALIDATION REPORT

Site Address:	Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF
Report Date:	November 2024
Project No.:	17241 – Rev A
Prepared for:	Vistry JV 1 LLP
Planning Application	Camden Council - 2020/5063/P



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REFERENCES

- BRE Report BR211: Radon: Protective measures for new dwellings, 2015. BRE, Watford.
- BRE Digest 365 (2016): Soakaway design. BRE, Watford.
- BRE Special Digest 1: Concrete in Aggressive Ground, 2005.
- BRE, Watford. British Standards Institution (2004) Eurocode 7 – Geotechnical design - Part 1: General rules. BS EN 1997 1. Incorporating Corrigendum No.1. BSI, London
- British Standards Institution (2007) Eurocode 7 – Geotechnical design - Part 2: Geotechnical investigation and testing. BS EN 1997-2. BSI, London
- British Standards Institution (2015) BS 3882 Specification for topsoil and requirements for use. BSI, London
- British Standards Institution (2011) BS 10175 Code of practice for the investigation of potentially contaminated sites. BSI, London
- British Standards Institution (2013) BS 8576 Guidance on investigations for ground gas – Permanent gases and Volatile Organic Compounds (VOC's), BSI, London
- British Standards Institution BS 5930:2015+A1:2020 Code of practice for ground investigations. BSI, London
- British Standards Institution (2015) BS 8485:2015 Incorporating corrigendum No.1 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings. BSI, London
- CIEH & CL:AIRE (2008) Guidance on comparing soil contamination data with a critical concentration. London: Chartered Institute of Environmental Health (CIEH) and CL:AIRE
- CIRIA C665 (2007) Assessing risks posed by hazardous ground gases to buildings.
- CIRIA, London CIRIA Report R143 (1995): The Standard Penetration Test (SPT): Methods and use. CIRIA, London.
- CL:AIRE (2020) Professional Guidance: Comparing Soil Contamination Data with a Critical Concentration. CL:AIRE, Buckinghamshire
- Environment Agency (2020) Land contamination risk management (LCRM)
- Environment Agency, NHBC & CIEH (2008) Guidance for the safe development of housing on land affected by contamination. R & D Publication 66. London: Environment Agency
- Environment Agency (2006) Remedial Targets Methodology: Hydrogeological Risk Assessment for Land Contamination Environment Agency
- LQM/CIEH S4ULs. LQM, 2014
- Ministry of Housing, Communities & Local Government: National Planning Policy Framework. February 2019.
- NHBC Standards 2022. NHBC, Milton Keynes
- Tomlinson M.J (2001): Foundation Design and Construction: 7th Edition. Pearson Prentice Hall, Harlow. UFST.

GENERAL NOTES

We can confirm that this report has been prepared based on the information gained and that this information is not exhaustive, and that subsequent research may reveal additional facts that may influence the reporting. Where possible, this information has been researched.

All geological information has been researched using the British Geological Society website, (the geology viewer). The disclaimer associated with this portal confirms 'The British Geological Society accept no responsibility for omissions or misinterpretations of the data from their Data Bank as this may be old or obtained from non-BGS sources and may not represent current interpretation.

The 'Copyright' within this report including plans and all other prepared documents prepared by Herts & Essex Site Investigations, (HESI), is owned by HESI and no such report, plan or document may be reproduced, published or adapted without their written consent. Complete copies of this report may, however, be made and distributed by the client as an expedient in dealing with matters relating to this commission.

We can confirm that within the assessment of the site, various websites have been visited and as such, we cannot confirm the validity of these sites and as such, this information is accepted de facto and without prejudice. Anyone relying on these sources does so at their own risk, however, Herts & Essex Site Investigations does undertake all reasonable care to ensure this data is relevant and correct.

It should be confirmed that the extent of review of this report has undertaken a broad review of on-site features which would promote a contamination ground risk, however, this does not include ecological features and in particular Japanese Knotweed which should be reviewed under separate cover.

A review of the site will be made to confirm the extent of obvious Asbestos products or sheet materials either on the surface of the site soil or evident above ground, however, does not constitute a full Asbestos Survey by any means. This should be sought under separate cover.

This report draws upon information provided in the previous reports where these have been made available by the client. Where information pertaining to the works subsequently undertaken on the site, including but not limited to the sampling and chemical analytical testing of soil and groundwater, excavation and placement of imported materials, the disposal of arisings and the installation of cover systems, has been provided by the client HESI has reported and presented this information but takes no liability for its validity.

DOCUMENT INFORMATION AND CONTROL SHEET

Client

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Project Manager:



Chris Gray, M.Sc

Principal Author:

Chris Gray, M.Sc

Revision A – Insitu Topsoil Testing Completed.

Document Status and Approval Schedule

<i>Issue No</i>	<i>Status</i>	<i>Date</i>	<i>Prepared by: Rebecca Chamberlain Signature / Date</i>	<i>Technical review by: Chris Gray Signature / Date</i>
1	Final	November 2024		

REVIEW OF HISTORIC REPORTS

Client	Vistry JV 1 LLP			
Site Location	Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF			
Historic Development	Vacant day centre for the elderly			
Proposed Development	Residential Flats with raised planter beds			
Site Settings and Previous Uses	<p>From the earliest map edition, 1851, the Site was undeveloped until the early 1870s by which time, two rows of residential terraces were present. These remained present until circa 1970. By 1974, the current building had been constructed on-Site. No significant changes have been noted to current day.</p> <p>Main off-Site sources in the surrounding area include railway lines, sidings, coal depot and a goods yard present approximately 100 m south, a paint works (later a pencil works) approximately 40 m northeast, an engineering works approximately 15 m north, a garage approximately 125 m west, various works from 50 m to 250 m southeast, and a garage/petrol filling station 30 m south</p>			
Geological and Hydrological Profile	Geology		Depth	Aquifer Designation
	Made Ground	Variable made ground present to variable depths.	0.20-1.20m	Not Classified
	London Clay	Firm to stiff orange brown slightly silty CLAY	3.00m+	Unproductive Stratum
Nearest Surface Water Feature	The nearest surface water feature is the now culverted River Fleet, situated about 0.2km to the east of the Site. The nearest open surface water feature is the Regents Canal situated about 460m south of the Site. The canal is orientated west to east and south-east. The canal joins the River Thames about 6km to the south-east of the site.			
Groundwater Abstractions	There are no recorded groundwater abstractions within 500m of the Site. The nearest licenced well is situated about 0.5km to the north-east of the Site. The well is abstracting water from the Chalk Aquifer and is licensed to Greenwich Leisure Limited for commercial, industrial, and public services including drinking, cooking, sanitary, and washing			
Source Protection Zone	The indicative maps included in the Envirocheck Report (LIG, 2018) indicate that the Site is not located within a groundwater source protection zone (SPZ).			
Investigation Scheme	<p><i>Initial Investigation – October & November 2023.</i></p> <ul style="list-style-type: none"> • Drilling of three Cable Percussive Boreholes (BH101 to BH103) to a maximum depth of 33.30 m bgl; • Excavation of two hand-dug trial pits (BH104 and BH105) to a maximum depth of 1.10 m bgl in areas inaccessible for the drilling rig. • 13 No Competitor Rig Windowless Sampler borehole sunk to depths of up to 3.00 meters - Date of Works – February 2022. • 3 No standpipes installed to 3.00m • Chemical Sampling and Testing recovered from samples and sent to analytical chemist, (February 2022) • Land Gas readings 			
Contamination Identified	SOILS	<ul style="list-style-type: none"> • Spatial risks identified as widespread from Lead. • Targeted risks identified from PAH's Arsenic and fuels. 		
	CONSTRUCTION MATERIALS	Widespread risk to water main pipework. No risk from Sulphates.		
	GROUNDWATER	No risk has been identified to groundwater.		
	VAPOUR RISK	Historic TPH contamination which was identified by Stantec was removed and has been validated as no longer in place.		
	GROUND GAS	No risk has been identified from ground gases. Classification of site is identified as CS1.		

VALIDATION REPORT- PHASE 4

1 Context and Objectives of this report

1.1 Introduction

At the request of Vistry JV 1 LLP, Herts & Essex Site Investigations have been employed to undertake validation works within the site in order to provide evidence and documentation to support the removal of any risk from the site development as a result of site investigation works undertaken and risk assessments completed as a result of these investigations. This has been completed based on the proposed land use of the site is residential land with areas of soft landscaping and private gardens.

2 Report Objectives

The main objective of the remediation works and validation works undertaken are as follows:

- To anticipate regulatory action and provide necessary data to remove risk.
- To assess the site for Part IIA.
- To ensure development is 'suitable for use' status, (status being residential land use).
- To assess the site in other regulatory contexts.
- To inform acquisition, transfer or sale plans.
- To support funding decisions.
- For valuation purposes.
- For insurance purposes

2.1 Limitations

The opinions expressed within this document and the comments and recommendations given, are based on the information gained, to date within a desktop study previously undertaken on the site. The interpretation of the data has been made by Herts & Essex Site Investigations.

Within any site investigation, materials sampled represent only a small proportion of the materials present on site. It is therefore possible that other conditions prevailing at the site which have not been revealed within the scope of this report, have not been considered. Where suspect materials are encountered during any further or future works within the site, additional specialist advice should be sought to assess whether any new information will materially affect the recommendations given within any physical ground investigation.

2.2 Planning Condition

This report has been prepared with following application with The London Borough of Camden in mind.

Application Number : 2020/5063/P

Proposal: Redevelopment of site including demolition of existing buildings and erection of a building up to 10 storeys in height for to provide self-contained residential flats (Use Class C3) and associated works.

Decision: Granted Subject to a Section 106 Legal Agreement

Application Number : 2021/5877/P

Proposal: Details pursuant to Condition 11 (Land Contamination) granted under reference 2020/5063/P dated 05/11/21 for redevelopment of site including demolition of existing buildings and erection of a building up to 10 storeys in height for to provide self-contained residential flats (Use Class C3) and associated works.

Decision: REGISTERED

Decision Notice Relating to Contaminated Land

Condition 11 - Land Contamination

Prior to the commencement of work for each section of the development or stage in the development as may be agreed in writing by the Local Planning Authority (LPA) a scheme including the following components to address the risk associated with site contamination shall be submitted to and approved in writing by the LPA.

A) A site investigation scheme based on the Phase 1 Ground Condition Assessment (Ref: 43006/3501/R001/Rev01), by Stantec UK Ltd to provide information for a detailed assessment of the risk to all receptors that may be affected, including those off site.

B) The results of the investigation and detailed risk assessment referred to in (a) and, based on these, in the event that remediation measures are identified necessary, a remediation strategy giving full details of the remediation measures required and how they are to be undertaken.

C) A verification plan demonstrating the works set out in the remediation strategy have been undertaken.

Any investigation and risk assessment must be undertaken in accordance with the Environment Agency's Land Contamination Risk Management (LCRM) which replaced CLR11. In the event that additional significant contamination is found at any time when carrying out the approved development it must be reported immediately to the LPA.

Reason: To ensure the risks from land contamination to the future users of the land and neighbouring land are minimised, together with those to controlled waters, property and ecological systems, and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other offsite receptors, in accordance with policies G1, D1, A1, and DM1 of the London Borough of Camden Local Plan 2017.

3 Site Location and National Grid Reference

The site is located within a residential area of Camden, the details of which are summarised in Table 1 with the location plan of the site shown in Appendix 2, Sheet 1.

Table 1 Site Detail

Site Address:	Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF
Site assessed under	Site Owners Request - Aid as part of planning
Current use of land:	Vacant day centre for the elderly
Previous use of site, (if known)	As above
Grid Reference	NGR 528270, 184480
Site Area	0.3 Hectares
Local Authority	The London Borough of Camden
Gradient of the site	The site and the surrounding area form a level area of land.
Proximity of Controlled Waters, (if known)	The nearest surface watercourse is the Grand Union Regent's Canal, located approximately 460 m south.

4 Review of Previous Reports or Documents Relating to the Site

4.1 Reports

The extent of former report which has been undertaken relating to the site is confirmed as follows :-

Table 2 Report Details

Report	Developed by	Date	Submitted to Local Authority	Approved by Local Authority
Planning Application Number: The London Borough of Camden 2020/5063/P				
Desktop Study	Stantec	September 2020	Yes	YES
Environmental Report	Delta-Simons	June 2021	Yes	YES
Remediation Report	HESI	February 2022	Yes	YES

In order to gain a full understanding of the site and site history, a review of these documents should be made.

4.2 Collection of Additional Data

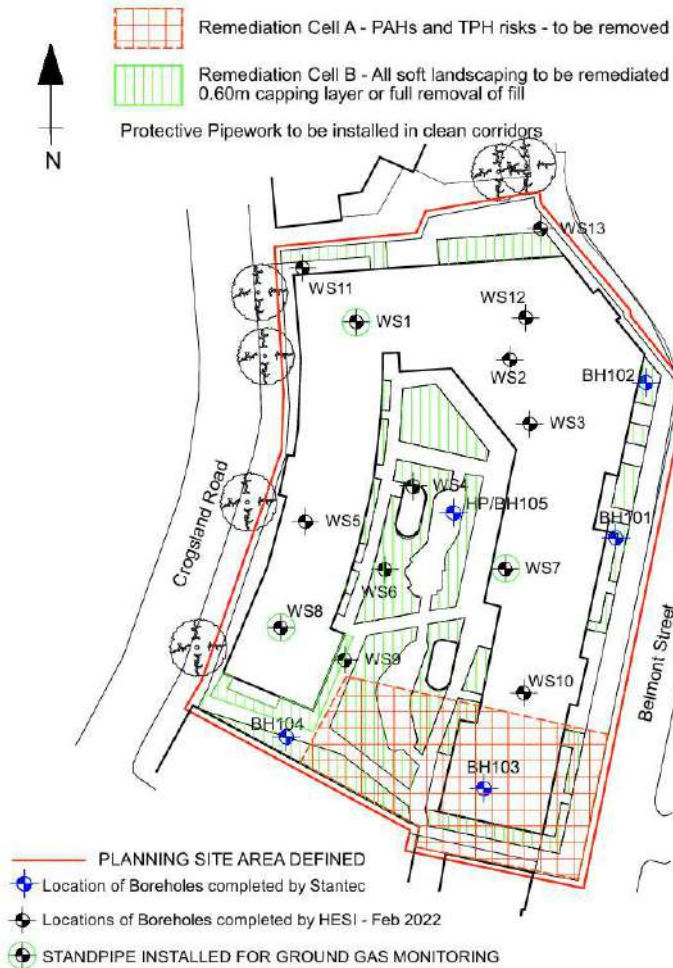
No additional works are required, the site investigation works within the site are sufficient to classify the soil and groundwater risk in place within the site and enable a remediation plan to be written.

5 Review of Remediation Strategy

5.1 Remediation Proposals

This section provides summary of the remediation proposals set out in the Remediation Strategy Report. Remediation will be required where contamination has been identified in place, as detailed in Figure 1.

Figure 1 Remediation Plan



The strategy adopted for the remediation of the site are defined as follows :-

5.2 Soft Landscaping Areas

The site recorded an area of contamination from PAH's and Fuels in BH103 to the south of the site which is proposed to be fully removed and validated with sampling.

The whole site is identified as contaminated from Lead in all locations and as such, remediation works will be required to all areas where pathways to receptors are recorded in place.

Capping System

The proposal within these locations is to excavate the soils to a depth of at least 0.60 meters and replace the soils with a subsoil or topsoil material to provide a capping system. The capping system should form approximately 450mm of clean subsoil which meets a residential land use standard with a topsoil which should form 150mm clean topsoil which again, meets a residential land use standard.

Deter to Dig Layer

The proposal for the deter to dig barrier is to install a barrier in place which will act as a warning to future residents or workforce against further excavation into the subsoil beyond this barrier. This is proposed at the base of the capping system.

5.3 Water Main Pipework

By examination of the current chemical assessment undertaken, we can confirm that in accordance with UKWIR, (UK Water Industry Research – Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites), risk is in place to water main pipework and protective pipe work should be used within a clean service trench.

We would suggest that consultation with the relevant statutory authority is required to confirm the above.

5.4 Below Buildings

Vapour Risk

Within the location of BH103 the area of TPH contamination may promote a vapour risk and as this is located below the proposed building this contamination should be removed and validated.

The widespread Metal and PAH contamination soil can remain in place below the building, although a discovery strategy and watching brief should be maintained and any additional risk assessments enforced through consultation with ourselves.

Land Gas

The gas situation at the site is recorded as CS1 and therefore no additional mitigation measures are required.

5.5 Permanent Hard Landscaping, (Main Driveway)

Permanent hard landscaping forms the main driveway and parking area which is laid to tarmac and can not be removed by the residents.

The hard standing will cap off any contamination and removed the pathway, no additional works are required.

5.6 Workforce

- All Site Staff and visitors to the site should be made aware of the contamination risk within the site area from TPH's, Arsenic, Lead and PAHs within the upper made ground.
- Appropriate PPE should be worn at all times.
- Washing facilities should be made available for washing hands prior to consumption of any food or water within the site area.

5.7 Groundwater Risk

Groundwater and surface water features surrounding the site are recorded as Low Environmental sensitivity.

6 Validation

6.1 Validation Works Completed

Via the remediation report Herts & Essex Site investigations have attended site to review the site condition in terms of remediation works.

Inspections have taken place on 15th July 2024 and also 28th August 2024 where a review of the site condition was made by a Geo-Environmental engineer.

The inspection reviewed the site soils at the base of the remediation cells and recovered samples from the reduced dig to confirm the contamination status of soils which were proposed to remain in place. The extent of works is detailed below.

Table 3 Validation Testing

Location	Depth	Test Criteria	Fail / Pass
VAL 1	0.60m	As, Pb, Fuels, PAH's.	Fail for Lead
VAL 2	0.60m		Pass.
VAL 3	0.60m	As, Pb.	Pass.
VAL 4	0.60m		Fail for Lead.

The reduced dig samples confirmed that in Validation Sample 1 and 4, the pre existing made ground extended beyond the capping system which confirms that the capping system is an appropriate methodology with a deter to dig layer to prevent access into the underlying soils.

The above validation testing confirms that the fuels vapour risk has been removed from the site and as such, vapour risk is no longer in place.

6.2 Site Reconnaissance – Photos

Print 1



Print 2



Print 3



Print 4



Print 5



Print 6



Print 7



Print 8



Based on the evidence provided and the site inspections completed, we can confirm that the site has progressed with a demarcation barrier in place which is in line with the strategy proposed and caps the site with subsoil and topsoil which forms a clean aggregate and topsoil cap.

6.3 Excavated Soils

Any excavated soils were disposed off-site to a suitable landfill via an external haulier. Muck Away certificates have been included within this report.

6.4 Topsoil & Subsoil Importing

Topsoil has been brought onto the site and placed in areas of soft landscaping. We have been provided with BS8601 : 2013, (Subsoil Test) and additionally a BS3882 : 2015, (Topsoil Test), which confirm the suitability of the imported materials as fit for use. Additionally to this, we have attended site and samples the topsoil for human health criteria testing measured against residential land use standards.

The result of this testing is recorded within the appendix of this report.

By examination of the results obtained from the analytical chemist with the criteria set out in the remediation report, it can be confirmed that the topsoil samples fell below the allowable level for residential or sensitive land uses and as such, the material is suitable for use in the site.

6.5 Water Main Pipework

Within the site area new water mains have been installed within protective pipework. The trenches for the services were back filled with clean soil to protect any workforce that may need to excavate the area in the future.

7 Conclusions

This report forms a validation report for the completion of the site area and includes validation that the soft landscaped communal space have undergone specific remediation to remove the risk from the identified Arsenic Lead TPH's and PAH contamination.

The remediation formed the excavation of the made ground within the site area as part of the site set up by a minimum of 0.60m which was tested at the base to confirm low level TPH's and PAH's and isolated Lead which remains below a deter to dig layer and at least 600mm of clean subsoil / topsoil. Full removal of TPH contamination has been undertaken.

The excavated soils were removal from the site to a landfill through a licensed haulier. Photos of the remediation cells have then been recovered and are recorded within this report to provide lines of evidence that contamination has been removed from the soft landscaped areas of the site. Clean subsoil and topsoil has been imported to the site area and therefore no further risk to human health is in place.

It is not proposed to undertake any long term monitoring or maintenance programmes within the site.

CERTIFICATE OF COMPLETION

Development: Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF

Planning Application Ref:: 2021/5877/P – Camden Council

Undertaken Between the Dates of: September 2020 and September 2024

PHASE 1 - Desktop Study

Confirmation that an acceptable Phase I Assessment has been undertaken for the above development, detailed in the Phase I report(s):

Title: Desktop Study	Ref: 43006/3501/R001/Rev01	Author: Stantec	Date: September 2020
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PHASE 2 - Intrusive Investigation

Confirmation that an acceptable Phase II Assessment has been undertaken for the above development, detailed in the Phase II report(s):

Title: Environmental Report	Ref:	Author: Delta Simons	Date: June 2021
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PHASE 3 - Remediation Proposals

Confirmation that acceptable remediation measures to afford protection from identified risks have been proposed for the above development, detailed in the report(s):

Title: Remediation Report	Ref: CSG / 17241	Author: HESI - C.S.Gray, M.Sc	Date: February 2022
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PHASE 4 - Implementation of Remediation

Confirmation that proposed remedial measures were satisfactorily implemented, as per the agreed report(s), & detailed in the Validation Documentation:

Title: Validation Report	Ref: CSG / 17241	Author: HESI - C.S.Gray, M.Sc	Date: September 2024
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IMPORTED TOPSOIL CLARIFICATION

Confirmation that Topsoil has been imported into the site.

TESTING COMPLETED Validation Report	Ref: CSG / 17241	Author: HESI - C.S.Gray, M.Sc	Date: November 2024
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DECLARATION

SIGNED

CHRIS GRAY, M.Sc.



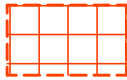
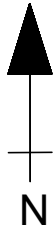
Date:
September 2024

**IS THE SITE FIT FOR
PURPOSE ?**

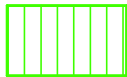
YES.

Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF

REMEDIATION PLAN COMPLETED



Remediation Cell A - PAHs and TPH risks - removed



Remediation Cell B - All soft landscaping has been remediated
0.60m capping layer

Protective Pipework has been installed in clean corridors



PLANNING SITE AREA DEFINED

Sampling Chain of Custody (CoC)

Please note that any testing scheduled where a matrix option is not selected may be subject to Non-Conformance.
Failure to complete all sections of this form may delay analysis.

Required Information										Lab Contact Information					Type of Analysis																																															
Company Name: Herts and Essex Site Investigations										Delivery Information: Eurofins Chemtest Ltd 12 Depot Road Newmarket. CB8 0AL					Suite / Determinand																																															
Company Address: Unit J8, Peek Business Park, Woodside, Bishop's Stortford CM23 5RG										Contact Information: Phone: 01638 606070 Email: cs.team@chemtest.com Web: www.chemtest.com																																																				
Site Location: Charlie Ratchford Centre, Belmont Street, Camden, NW1 8HF										<table border="1"> <thead> <tr> <th>Water Matrix Codes</th> <th colspan="2">Other Codes</th> </tr> </thead> <tbody> <tr> <td>Ground Water (GW) Surface Water (SW) Drinking Water (DW) Land Leachate (LE) Prepared Leachate (PL) Untreated Sewage (US)</td> <td>Treated Sewage (TS) Trade Effluent (TE) Saline Water (SA) Process Water (PR) Recreational Water (RE) Unspecified Liquid (UNL)</td> <td>Soils (S) Gas (G) Product (P) Sludge (SL) Unspecified Solid (UNS)</td> </tr> </tbody> </table>					Water Matrix Codes	Other Codes		Ground Water (GW) Surface Water (SW) Drinking Water (DW) Land Leachate (LE) Prepared Leachate (PL) Untreated Sewage (US)	Treated Sewage (TS) Trade Effluent (TE) Saline Water (SA) Process Water (PR) Recreational Water (RE) Unspecified Liquid (UNL)	Soils (S) Gas (G) Product (P) Sludge (SL) Unspecified Solid (UNS)	<table border="1"> <thead> <tr> <th colspan="12">ANALYSIS REQUIRED (please tick appropriately)</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td>Arsenic</td> <td>Lead</td> <td>PAHs Speciated</td> <td>TPHs (CWG)</td> <td colspan="6"></td> <td colspan="6"></td> </tr> </tbody> </table>												ANALYSIS REQUIRED (please tick appropriately)														Arsenic	Lead	PAHs Speciated	TPHs (CWG)												
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PO Number: As above																																																														
Quote Number:																																																														
Project Contact Name(s): Chris Gray																																																														
Project Contact Email(s): csgray@hesi.co.uk rchamberlain@hesi.co.uk dhudd@hesi.co.uk																																																														
Main Contact: Chris Gray																																																														
Secondary Contact: Rebecca Chamberlain																																																														
Sample Information										PLEASE DETAIL BELOW ANY POTENTIAL HAZARDS THAT MAY BE ASSOCIATED WITH THESE SAMPLES example; Anthrax, Radioactive, Explosives																																																				
Sample Date	Sample Time	Location	AGS Type	Sample Ref	Sample ID	Top Depth	Bottom Depth	MATRIX CODE	Container Type (see key below)																																																					
SAMP_DATE	SAMP_TIME	LOCA_ID	SAMP_TYPE	SAMP_REF	SAMP_ID	SAMP_TOP	SAMP_BASE																																																							
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28/08/2024		VAL2						S	PT / AJ250	X	X	X	X																																																	
28/08/2024		VAL3						S	PT	X	X																																																			
28/08/2024		VAL4						S	PT	X	X																																																			

Client's signature:	Container Key:		Lab Use Only				Turnaround Time Agreed:			
	PB - 1L Plastic Bottle V - 40ml Vial		Consignment Condition:		Received by:					
Date of Collection	AB - 1L Winchester PT - Plastic Tub		Arriving Temperature:		Date and time:		3 5 7 10			
	AJ - 60/250 Amber Jar TT - Tenax Tube						WAC 5 WAC 7 Other:			



Final Report

Report No.: 24-27832-1

Initial Date of Issue: 05-Sep-2024

Re-Issue Details:

Client Herts & Essex Site Investigations

Client Address: Unit J8
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Hertfordshire
CM23 5RG

Contact(s): Chris Gray
Dafydd Hudd
Rebecca Chamberlain

Project 17241 Charlie Ratchford Centre

Quotation No.: **Date Received:** 30-Aug-2024

Order No.: 17241 **Date Instructed:** 30-Aug-2024

No. of Samples: 4

Turnaround (Wkdays): 5 **Results Due:** 05-Sep-2024

Date Approved: 05-Sep-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 17241 Charlie Ratchford Centre

Client: Herts & Essex Site Investigations		Chemtest Job No.:				24-27832	24-27832	24-27832	24-27832
Quotation No.:		Chemtest Sample ID.:				1858571	1858572	1858573	1858574
		Sample Location:				VAL1	VAL2	VAL3	VAL4
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Date Sampled:				28-Aug-2024	28-Aug-2024	28-Aug-2024	28-Aug-2024
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Moisture		N	2030	%	0.020	11	10		
Soil Colour		N	2040		N/A	Brown	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones, Wood and Roots	Stones, Roots and Wood	Stones, Wood and Roots	Stones, Wood and Roots
Soil Texture		N	2040		N/A	Loam	Loam	Loam	Loam
Arsenic		M	2455	mg/kg	0.5	10	9.1	11	13
Lead		M	2455	mg/kg	0.50	180	160	170	145
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10		
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25		
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0	< 2.0		
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	< 1.0	< 1.0		
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0	< 2.0		
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	< 3.0	< 3.0		
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10.0	< 10.0		
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	< 5.0	< 5.0		
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10.0	< 10.0		
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05		
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25		
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0		
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0		
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	< 2.0	< 2.0		
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	< 2.0	< 2.0		
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	< 1.0	< 1.0		
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	< 5.0	< 5.0		
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	< 10.0	< 10.0		
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50		
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	< 10.0	< 10.0		
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	< 10.0	< 10.0		
Naphthalene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Acenaphthylene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Acenaphthene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Fluorene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Phenanthrene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10		
Fluoranthene		M	2700	mg/kg	0.10	< 0.10	0.45		
Pyrene		M	2700	mg/kg	0.10	< 0.10	0.66		

Results - Soil

Project: 17241 Charlie Ratchford Centre

Client: Herts & Essex Site Investigations		Chemtest Job No.:					
		24-27832	24-27832	24-27832	24-27832	24-27832	24-27832
Quotation No.:		Chemtest Sample ID.:					
		1858571	1858572	1858573	1858574	1858573	1858574
		Sample Location:					
		VAL1	VAL2	VAL3	VAL4	VAL3	VAL4
		Sample Type:					
		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:					
		28-Aug-2024	28-Aug-2024	28-Aug-2024	28-Aug-2024	28-Aug-2024	28-Aug-2024
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
Pyrene		M	2700	mg/kg	0.10	< 0.10	0.66
Benzo[a]anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Chrysene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's		M	2700	mg/kg	2.0	< 2.0	< 2.0

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	

Report Information

Key

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

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

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 EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate

Report Information

LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

TECHNICAL SUBMISSION

Project:	Belmont Street
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Originator:	Total Protection Group
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Work Package:	Soft/Hard Landscaping
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Technical Submission Title:	Subsoil
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Technical Submission Number	TPG-TS-007
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Rev No 17-05-2024	P01		Suitability Code	S3	
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Technical information:

Please see attached subsoil testing report for information and attention.



TIM O'HARE ASSOCIATES
SOIL & LANDSCAPE CONSULTANCY

Mr Jack Walker-Nash
H. Sivyer Transport Ltd
160 Sydenham Road
London
SE26 5JZ

15th March 2024
Our Ref: TOHA/24/1287/SS
Your Ref: PO 186008

Dear Sirs

Soil Analysis Report: Wennington Subsoil

We have completed the analysis of the sample recently submitted, referenced *Wennington Subsoil*, and have pleasure reporting our findings.

The purpose of the analysis was to determine the suitability of the subsoil sample for use in general landscape applications (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Subsoil (*BS8601:2013 – Specification for subsoil and requirements for use – Table 1, Multipurpose Subsoil*), including analysis of potential contaminants.

This report presents the results of analysis for the sample submitted to our office, and it should be considered 'indicative' of the soil source. The report and results should therefore not be used by third parties as a means of verification or validation testing or waste designation purposes, especially after the soil has left the H. Sivyer Transport Ltd site.

SAMPLE EXAMINATION

The sample was described as a dark yellowish brown (Munsell Colour 10YR 4/6), slightly moist, friable, slightly calcareous, single grain SAND*. The sample was very stony, comprising stones up to 50mm in size. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

*This appraisal of soil structure was made from examination of a disturbed sample. Structure is a key soil characteristic that may only be accurately assessed by examination in an in-situ state.

Tim O'Hare Associates LLP
Howbery Park Wallingford Oxfordshire OX10 8BA
T:01491 822653 E:info@toha.co.uk
www.toha.co.uk



Plate 1: Wennington Subsoil Sample

ANALYTICAL SCHEDULE

The sample was submitted to a UKAS and MCERTS accredited laboratory for a range of physical and chemical tests to confirm the composition, drainage rate and fertility of the rootzone, and the concentration of selected potential contaminants. The following parameters were determined:

- detailed particle size analysis (5 sands, silt, clay);
- stone content (2-20mm, 20-75mm, >75mm);
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- organic matter content;
- heavy metals (As, B, Cd, Cr, Cu, Pb, Hg, Ni, Se, Zn);
- total cyanide and total (mono) phenols;
- speciated PAHs (US EPA16 suite);
- aromatic and aliphatic TPH (C5-C35 banding);
- benzene, toluene, ethylbenzene, xylene (BTEX);

The results are presented on the attached Certificate of Analysis and an interpretation of the results is given below.

RESULTS OF ANALYSIS

Particle Size Analysis and Stone Content

The sample fell into the *sand* texture class. Further detailed particle size analysis revealed the sample to have a sufficiently narrow particle size distribution with a predominance of *medium sand* (0.25-0.50mm) followed by *coarse sand* (0.50-1.0mm). This is acceptable for subsoil in general landscape applications as porosity levels are maintained in a compacted state and the risk of particle interpacking is minimised. The subsoil represented by this sample is likely to be 'free-draining'.

The particle size distribution falls outside of the range indicated in *BS8601:2013 – Figure 1*, on account of the high sand content.

The stone content of the sample was moderate and, as such, stones are unlikely to constitute a limitation for planting purposes.

pH and Electrical Conductivity Values

The sample was strongly alkaline in reaction (pH 8.5) and slightly calcareous. This pH value would be considered suitable as subsoil for general landscape purposes providing species with a wide pH tolerance or those known to prefer alkaline soils are selected for planting, turfing and seeding.

The electrical conductivity (salinity) value (water extract) was low, which indicates that soluble salts were not present at levels that would be harmful to plants.

The electrical conductivity value by CaSO₄ extract (*BS8601* requirement) fell below the maximum specified value (2800 µS/cm) given in *BS8601:2013 – Table 1*.

Organic Matter and Fertility Status

The organic matter content was low (0.6%) and compliant with *BS8601:2013 – Table 1*.

Potential Contaminants

With reference to *BS8601:2013 – Section 4.2: Note 2*, there is a requirement to confirm levels of potential contaminants in relation to the subsoil's proposed end use. This includes human health, environmental protection and metals considered toxic to plants. In the absence of site-specific assessment criteria, the concentrations of selected potential contaminants that affect human health have been assessed for the concentrations that affect human health have been assessed for *residential* end-use against the Suitable For Use Levels (S4ULs) presented in the LQM/CIEH S4ULs for Human Health Risk Assessment (2015) and the DEFRA SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document (2014).

Of the potential contaminants determined, none was found at levels that exceeded their guideline values.

Phytotoxic Contaminants

Of the phytotoxic (toxic to plants) contaminants determined (copper, nickel, zinc), none was found at levels that exceeded the maximum permissible levels specified in *BS8601:2013 – Table 1*.

CONCLUSION

The purpose of the analysis was to determine the suitability of the sample for use as a subsoil in general landscape applications (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Subsoil (*BS8601:2013 – Specification for subsoil and requirements for use – Table 1, Multipurpose Subsoil*), including analysis of potential contaminants.

From the soil examination and subsequent laboratory analysis, the sample was described as a strongly alkaline, non-saline, slightly calcareous sand, with a single grain structure and moderate stone content. The organic matter content was low and consistent with subsoil. Of the potential contaminants determined, none exceeded their respective guideline values.

To conclude, based on our findings, the subsoil represented by this sample would be considered suitable for landscape applications where a free-draining subsoil is required, or where there will be a low drought risk, provided species tolerant of alkaline soils are selected. Additional irrigation may need to be considered for plant species that demand moist conditions, depending on the composition of the overlying topsoil.

The sample was largely compliant with the requirements of the British Standard for Subsoil (*BS8601:2013 – Specification for subsoil and requirements for use – Table 1, Multipurpose Subsoil*) with the exception of the overall particle size distribution (high sand content).

Soil Handling Recommendations

Reference should be made to Section 6.0 of *BS8601:2013* with regard to the handling and management of the subsoil:

"Soils generally lose strength and become less resistant to damage as they become wetter; therefore, it is essential that they are stripped, handled and trafficked only in the appropriate conditions of weather and soil moisture, and with suitable machinery. If sustained heavy rainfall (e.g. >10 mm in 24 h) occurs during soil stripping operations, work should be suspended and not restarted until the ground has had at least one dry day or until a suitable moisture content has been reached. A soil can be considered to have a suitable moisture content for stripping and handling if the whole thickness of the subsoil layer being stripped and/or handled is at a moisture content below the plastic limit as determined in accordance with BS 1377-2:1990 (incorporating Amendment No. 1).

Machinery should be selected and routed to minimise soil compaction."

Further guidance is provided in Clauses 6.1–6.5.

We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if we can be of further assistance.

Yours faithfully



Ceri Spears
BSc MSc MISOilSci
Senior Associate

For & on behalf of Tim O'Hare Associates LLP



Client:	H. Sivyver Transport Ltd
Project	Wennington Subsoil
Job:	Subsoil Analysis - BS8601:2013
Date:	15/03/2024
Job Ref No:	TOHA/24/1287/SS

Sample Reference		Accreditation
Clay (<0.002mm)	%	UKAS
Silt (0.002-0.05mm)	%	UKAS
Very Fine Sand (0.05-0.15mm)	%	UKAS
Fine Sand (0.15-0.25mm)	%	UKAS
Medium Sand (0.25-0.50mm)	%	UKAS
Coarse Sand (0.50-1.0mm)	%	UKAS
Very Coarse Sand (1.0-2.0mm)	%	UKAS
Total Sand (0.05-2mm)	%	UKAS
Texture Class (UK Classification)	--	UKAS
Stones (2-20mm)	% DW	GLP
Stones (20-75mm)	% DW	GLP
Stones (>75mm)	% DW	GLP

Wennington Subsoil
5
5
7
10
46
23
5
90
S
16
16
0

pH Value (1:2.5 water extract)	units	UKAS
Electrical Conductivity (1:2.5 water extract)	uS/cm	UKAS
Electrical Conductivity (1:2 CaSO ₄ extract)	uS/cm	UKAS
Organic Matter (LOI)	%	UKAS
Exchangeable Sodium Percentage	%	UKAS

8.5
183
2162
0.6
1.0

Total Arsenic (As)	mg/kg	MCERTS
Total Cadmium (Cd)	mg/kg	MCERTS
Total Chromium (Cr)	mg/kg	MCERTS
Hexavalent Chromium (Cr VI)	mg/kg	MCERTS
Total Copper (Cu)	mg/kg	MCERTS
Total Lead (Pb)	mg/kg	MCERTS
Total Mercury (Hg)	mg/kg	MCERTS
Total Nickel (Ni)	mg/kg	MCERTS
Total Selenium (Se)	mg/kg	MCERTS
Total Zinc (Zn)	mg/kg	MCERTS
Water Soluble Boron (B)	mg/kg	MCERTS
Total Cyanide (CN)	mg/kg	MCERTS
Total (mono) Phenols	mg/kg	MCERTS

8
< 0.2
29
< 1.8
3
6
< 0.3
10
< 1.0
23
< 0.2
< 1.0
< 1.0

Naphthalene	mg/kg	MCERTS
Acenaphthylene	mg/kg	MCERTS
Acenaphthene	mg/kg	MCERTS
Fluorene	mg/kg	MCERTS
Phenanthrene	mg/kg	MCERTS
Anthracene	mg/kg	MCERTS
Fluoranthene	mg/kg	MCERTS
Pyrene	mg/kg	MCERTS
Benzo(a)anthracene	mg/kg	MCERTS
Chrysene	mg/kg	MCERTS
Benzo(b)fluoranthene	mg/kg	MCERTS
Benzo(k)fluoranthene	mg/kg	MCERTS
Benzo(a)pyrene	mg/kg	MCERTS
Indeno(1,2,3-cd)pyrene	mg/kg	MCERTS
Dibenzo(a,h)anthracene	mg/kg	MCERTS
Benzo(g,h,i)perylene	mg/kg	MCERTS
Total PAHs (sum USEPA16)	mg/kg	MCERTS

< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.05
< 0.80

Aliphatic TPH >C5 - C6	mg/kg	MCERTS
Aliphatic TPH >C6 - C8	mg/kg	MCERTS
Aliphatic TPH >C8 - C10	mg/kg	MCERTS
Aliphatic TPH >C10 - C12	mg/kg	MCERTS
Aliphatic TPH >C12 - C16	mg/kg	MCERTS
Aliphatic TPH >C16 - C21	mg/kg	MCERTS
Aliphatic TPH >C21 - C35	mg/kg	MCERTS
Aliphatic TPH (C5 - C35)	mg/kg	MCERTS
Aromatic TPH >C5 - C7	mg/kg	MCERTS
Aromatic TPH >C7 - C8	mg/kg	MCERTS
Aromatic TPH >C8 - C10	mg/kg	MCERTS
Aromatic TPH >C10 - C12	mg/kg	MCERTS
Aromatic TPH >C12 - C16	mg/kg	MCERTS
Aromatic TPH >C16 - C21	mg/kg	MCERTS
Aromatic TPH >C21 - C35	mg/kg	MCERTS
Aromatic TPH (C5 - C35)	mg/kg	MCERTS

< 0.020
< 0.020
< 0.050
< 1.0
< 2.0
< 8.0
20
20
< 0.010
< 0.010
< 0.050
< 1.0
< 2.0
< 10
< 10
< 10

Benzene	mg/kg	MCERTS
Toluene	mg/kg	MCERTS
Ethylbenzene	mg/kg	MCERTS
m-xylene	mg/kg	MCERTS
p-xylene	mg/kg	MCERTS
o-xylene	mg/kg	MCERTS

< 0.005
< 0.005
< 0.005
< 0.005
< 0.005
< 0.005

S = SAND

The sample was described as a dark yellowish brown (Munsell Colour 10YR 4/6), slightly moist, friable, slightly calcareous, single grain SAND. The sample was very stony, comprising stones up to 50mm in size. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

e. spears
Ceri Spears
BSc MSc MISOilSci
Senior Associate

Results of analysis should be read in conjunction with the report they were issued with

The contents of this certificate shall not be reproduced without the express written permission of Tim O'Hare Associates LLP.

Status:

Date:

Signature:

Notes:

TECHNICAL SUBMISSION

Project:	Belmont Street
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Originator:	Total Protection Group
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Work Package:	Soft/Hard Landscaping
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Technical Submission Title:	Topsoil
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Technical Submission Number	TPG-TS-006
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Rev No 17-05-2024	P01		Suitability Code	S3	
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Technical information:

Please see attached topsoil report for information and attention.



Charlton - Topsoil Analysis: Trugrow Topsoil BS3882:2015

We have now completed the analysis of the soil sample recently submitted, referenced Trugrow Topsoil, and have pleasure reporting our findings.

This report presents the results of analysis for the sample collected from our Charlton Topsoil Yard and it should be considered 'indicative' of the topsoil source. The report and results should therefore not be used by third parties as a means of verification or validation testing or waste designation purposes, especially after the topsoil has left the H. Sivyer Transport Ltd site.

**This appraisal of soil structure was made from examination of a disturbed sample. Structure is a key soil characteristic that may only be accurately assessed by examination in an in-situ state.*



DOCUMENT CONTROL DETAILS

Report Title:	<u>Charlton - Truegrow Topsoil Analysis BS3882:2015</u>	
Report Reference:	1345544/1	
Issue:	Version 1	
Date:	13/05/2024	
Client:	H Sivyer Transport Ltd. Bardon Hill, Bardon Road, Coalville, Leicestershire, England, LE67 1TLd.	
Contact:	H Sivyer Transport Ltd	
Prepared by:	Taraknath Pandey	<i>Taraknath Pandey</i>
Date:	13/05/2024	
Reviewed by:	Taraknath Pandey	<i>Taraknath Pandey</i>
Date:	13/05/2024	

CONTENTS

- 1.0 Introduction
- 2.0 Purpose & Remit
- 3.0 Site Sampling
- 4.0 Waste Classification
- 5.0 Material Assessment

APPENDICES

- Appendix A – Testing Results

1.0 Introduction

Testex was commissioned by H Sivyer Transport Ltd. (the client) to collect a sample of Truegrow topsoil from Charlton Topsoil Yard for BS3882:2015 – analysis.

2.0 Purpose and Remit

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes. In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil).

3.0 Sample Assessment

The sample was described as a very dark greyish brown (Munsell Colour 10YR 3/2), slightly moist, friable, very calcareous LOAMY SAND with a weakly developed, very fine to fine granular structure*. The sample was virtually stone free and contained a moderate proportion of organic fines. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

4. Analytical Schedule

The sample was submitted to a UKAS and MCERTS accredited laboratory for a range of physical and chemical tests to confirm the composition and fertility of the soil, and the concentration of selected potential contaminants.

The following parameters were determined:

- detailed particle size analysis (% 5 sands, silt, clay);
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- organic matter content;
- C:N ratio;

The results are presented on Appendix A.

Report Limitations:

The information included in this report and the interpretation of data sampled by Testex -Part of Sivyer Group is only representative of the site detailed within this report upon the date of testing. Testex results interpretation does not place out of bounds the existence of other waste classifications, which were not reasonably apparent throughout the duration of the site investigation works undertaken as sampling data was gathered from the client's site. The conclusions of this report should be used for information purposes only and should not be used as a definitive characterisation of all site conditions or all potential waste streams present on the site.

All test data included is subject to the final waste disposal sites classification of suitability according to their company's individual limits and permit conditions.

The report has been compiled by Testex with all possible reasonable due care, diligence and skill. Utilising the agreed costings, timeframes and work force with the client. This report cannot be utilised by other parties other than the client without the written consent of Testex – Part of Sivyer Group



Appendices

Appendix A – Testing Results



Appendix A – Testing Results





Amended Report

Report No.: 24-12680-2

Initial Date of Issue: 13-May-2024 **Date of Re-Issue:** 13-May-2024

Re-Issue Details: This report has been revised and directly supersedes 24-12680-1 in its entirety

Client: H Sivyer Transport Ltd

Client Address: Purchasing Department
3 Herringham Road
London
SE7 8NJ

Contact(s): Results

Project: Charlton Topsoil Yard, 40-45
Herringham Road New Charlton

Quotation No.: Q24-33555 **Date Received:** 23-Apr-2024

Order No.: Tarak **Date Instructed:** 23-Apr-2024

No. of Samples: 1

Turnaround (Wkdays): 5 **Results Due:** 29-Apr-2024

Date Approved: 13-May-2024 **Subcon Results Due:** 15-May-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: Charlton Topsoil Yard, 40-45 Herringham Road New Charlton

Client: H Sivyer Transport Ltd		Chemtest Job No.: 24-12680			
Quotation No.: Q24-33555		Chemtest Sample ID.: 1797951			
		Sample Location:		Trugrow Topsoil - BS3882:2015	
		Sample Type:		SOIL	
		Date Sampled:		20-Apr-2024	
Determinand	HWOL Code	Accred.	SOP	Units	LOD
Moisture		N	2030	%	0.020

Results - Topsoil Report

BS3882:2015

Chemtest Job No.: 24-12680

Chemtest Sample ID.: 1797951

Client Sample Ref.:

Sample Location: Trugrow Topsoil -

BS3882:2015

Client Sample ID.:

Top Depth (m):

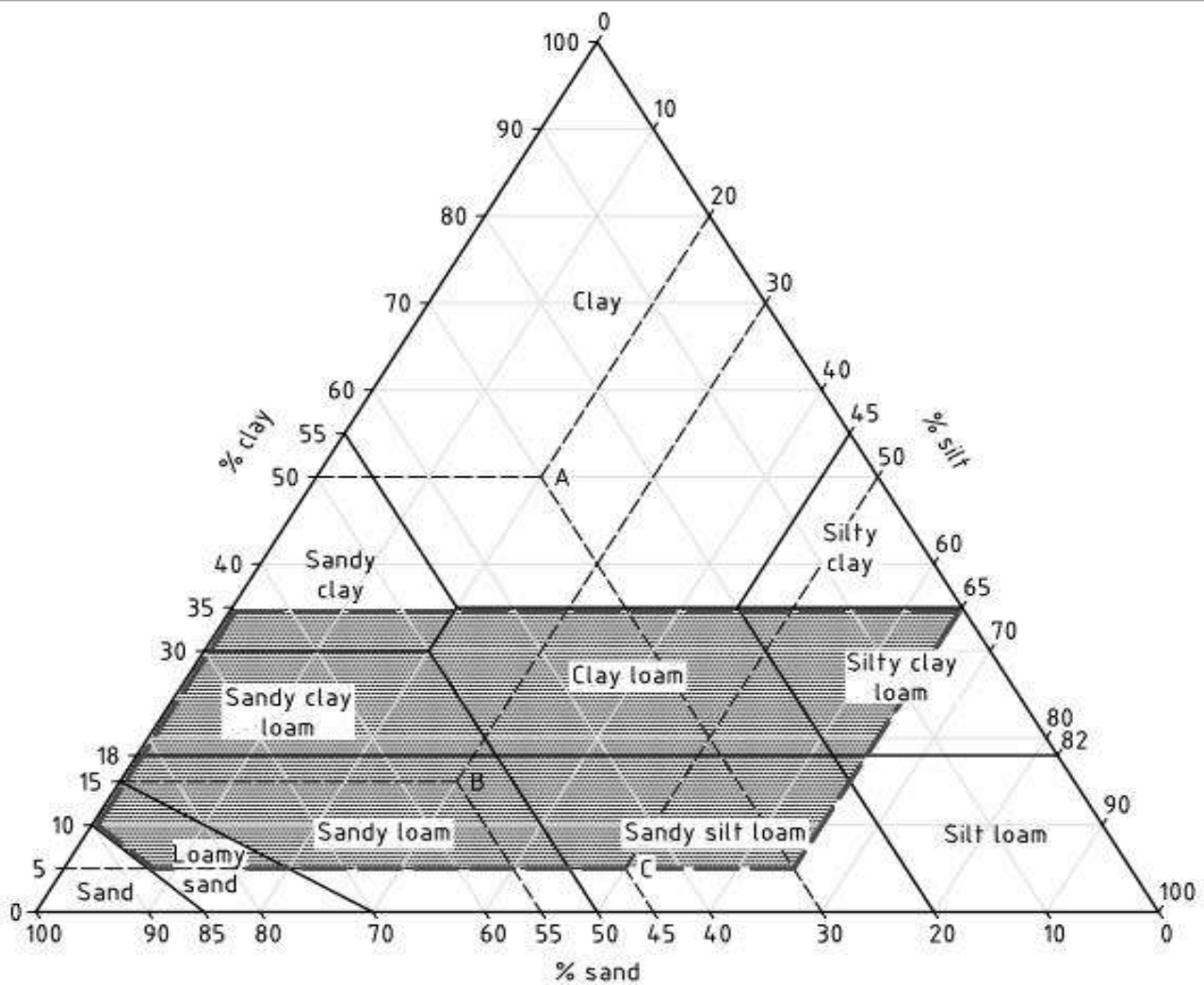
Bottom Depth (m):

Date Sampled: 20-Apr-2024

Time Sampled:

Parameter	Units	Multipurpose Range	Result	Compliant with Multipurpose Range? (Y/N)	Compliant with Specific Purpose Range? (Y/N)		
					Acid	Low F	Calc.
Texture							
Clay content (Sub Contracted)	%		9.9				
Silt content (Sub Contracted)	%		13				
Sand content (Sub Contracted)	%		78				
Soil texture class		See Attached Chart	Sandy Loam	YES			
Mass Loss on Ignition							
Clay 5-20%		3.0-20	4.6	YES	YES	YES	YES
Clay 20-35%		5.0-20					
Stone Content	% m/m						
>2mm (Sub Contracted)		0-30	1.7	YES			
>20mm (Sub Contracted)		0-10	< 0.10	YES			
>50mm (Sub Contracted)		0	< 0.10	YES			
Soil pH value		5.5-8.5	7.9	YES	NO	YES	YES
Carbonate (Calcareous only)	%		0.60				NO
Electrical Conductivity	µS/cm	If >3300 do ESP	3100	YES			
Available Nutrient Content							
Nitrogen %		>0.15	0.23	YES	YES		YES
Extractable phosphorus	mg/l	16-140	110	YES	YES	NO	YES
Extractable potassium	mg/l	121-1500	1400	YES	YES		YES
Extractable magnesium	mg/l	51-600	240	YES	YES		YES
Carbon : Nitrogen Ratio		<20:1	11.6/1	YES	YES	YES	YES
Exchangeable sodium	%	<15	3.7				
Available Calcium	mg/l		370				
Available Sodium	mg/l		130				
Phytotoxic Contaminants (by soil pH)		< 6.0 6.0-7.0 > 7.0					
Zinc (Nitric Acid extract)	mg/kg	<200 <200 <300	70	YES			
Copper (Nitric Acid extract)	mg/kg	<100 <135 <200	8.9	YES			
Nickel (Nitric Acid extract)	mg/kg	<60 <75 <110	14	YES			
Visible Contaminants	% mm						
>2mm		<0.5	0.000	YES			
..... of which plastics		<0.25	0.000	YES			
..... man-made sharps		zero in 1kg	0.000	YES			

Texture Classification Chart



Key



Area within which the texture of topsoil is required to fall

NOTE Examples of textural classification are as follows.

- Soil A with 30% sand, 20% silt and 50% clay is in the "clay" textural class.
- Soil B with 55% sand, 30% silt and 15% clay is in the "sandy loam" textural class.
- Soil C with 45% sand, 50% silt and 5% clay is in the "sandy silt loam" textural class.

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

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

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2115	Total Nitrogen in Soils	Nitrogen	Determination by elemental analyser	
2260	Carbonate	Carbonate	Titration	
2400	Cations	Cations	ICP-MS	
2420	Phosphate	Phosphate	Spectrophotometry - Discrete analyser	
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2620	LOI 440	LOI 440 Trommel Fines	Determination of the proportion by mass that is lost from a soil by ignition at 440°C.	

Report Information

Key

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

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

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 EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

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

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



At Sivyer, we are committed to protecting the environment and conserving natural resources through recycling.

Sustainability is important to us, and recycling is a key component of our sustainability efforts. By recycling as much as possible, we aim to minimize waste sent to landfills, reduce our environmental footprint, and transition towards a more circular economy. We also actively seek ways to reuse materials before recycling them, reduce waste at the source, and use more sustainable materials in our operations where feasible.

As a company, we are continuously improving our recycling streams and searching for innovative ways to be more efficient with our material usage. We aim to lead by example and set high recycling standards for our industry. Our employees are regularly educated on proper recycling practices to uphold our commitment. Together through recycling, we strive to conduct business more sustainably and preserve our planet for future generations.

Our Contact Information

Testex – Part of Sivyer Group
3 Herringham Way
London
SE7 8SJ

Tel: 02087781384
Email: environmental@hsivyer.com

Status:

Date:

Signature:

Notes:



Final Report

Report No.: 24-36815-1

Initial Date of Issue: 17-Nov-2024

Re-Issue Details:

Client Herts & Essex Site Investigations

Client Address: Unit J8
Peek Business Park
Woodside
Bishops Stortford
Hertfordshire
CM23 5RG

Contact(s): Chris Gray
Dafydd Hudd
Rebecca Chamberlain

Project 17241 Charlie Ratchford Centre

Quotation No.: **Date Received:** 12-Nov-2024

Order No.: 17241 **Date Instructed:** 12-Nov-2024

No. of Samples: 2

Turnaround (Wkdays): 5 **Results Due:** 18-Nov-2024

Date Approved: 17-Nov-2024

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 17241 Charlie Ratchford Centre

Client: Herts & Essex Site Investigations		Chemtest Job No.:				24-36815	24-36815
Quotation No.:		Chemtest Sample ID.:				1893759	1893760
		Sample Location:				Topsoil 1	Topsoil 2
		Sample Type:				SOIL	SOIL
		Date Sampled:				08-Nov-2024	08-Nov-2024
		Asbestos Lab:				DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		U	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	16	16
Stones and Removed Materials		N	2030	%	0.020	< 0.020	0.024
Soil Colour		N	2040		N/A	Brown	Brown
Other Material		N	2040		N/A	Stones, Roots and brick	Stones and Roots
Soil Texture		N	2040		N/A	Loam	Loam
pH at 20C		M	2010		4.0	7.9	7.9
Electrical Conductivity (2:1)		N	2020	µS/cm	1.0	1300	1000
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	2.2	2.2
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.17	0.18
Cyanide (Free)		M	2300	mg/kg	0.50	< 0.50	< 0.50
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50
Sulphate (Total)		U	2430	%	0.010	0.22	0.16
Arsenic		M	2455	mg/kg	0.5	8.3	4.9
Cadmium		M	2455	mg/kg	0.10	0.14	< 0.10
Copper		M	2455	mg/kg	0.50	25	16
Mercury		M	2455	mg/kg	0.05	0.09	0.06
Nickel		M	2455	mg/kg	0.50	10	6.9
Lead		M	2455	mg/kg	0.50	45	31
Selenium		M	2455	mg/kg	0.25	0.41	< 0.25
Zinc		M	2455	mg/kg	0.50	68	47
Chromium (Trivalent)		N	2490	mg/kg	1.0	17	11
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	2.5	< 2.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	2.1	< 1.0
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	8.3	4.3
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	24	23
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	37	28
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	37	28

Results - Soil

Project: 17241 Charlie Ratchford Centre

Client: Herts & Essex Site Investigations		Chemtest Job No.:		24-36815	24-36815		
Quotation No.:		Chemtest Sample ID.:		1893759	1893760		
		Sample Location:		Topsoil 1	Topsoil 2		
		Sample Type:		SOIL	SOIL		
		Date Sampled:		08-Nov-2024	08-Nov-2024		
		Asbestos Lab:		DURHAM	DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	1.5	< 1.0
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	15	8.1
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	21	8.8
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	85	27
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	38	18
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	120	45
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	75	46
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	160	73
Organic Matter		M	2625	%	0.40	4.5	12
Naphthalene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluorene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Anthracene		M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene		M	2700	mg/kg	0.10	0.95	0.86
Pyrene		M	2700	mg/kg	0.10	1.4	1.2
Benzo[a]anthracene		M	2700	mg/kg	0.10	0.63	0.72
Chrysene		M	2700	mg/kg	0.10	0.94	1.1
Benzo[b]fluoranthene		M	2700	mg/kg	0.10	0.94	1.0
Benzo[k]fluoranthene		M	2700	mg/kg	0.10	0.19	0.26
Benzo[a]pyrene		M	2700	mg/kg	0.10	0.94	0.85
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10	0.69	0.66
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10	0.22	< 0.10
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10	0.45	0.38
Total Of 16 PAH's		M	2700	mg/kg	2.0	7.4	7.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2020	Electrical Conductivity	Electrical conductivity (EC) of aqueous extract or calcium sulphate solution for topsoil	Measurement of the electrical resistance of a 2:1 water/soil extract.	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'AquaKem 600' Discrete Analyser using 1,5-diphenylcarbazine.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8-C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Report Information

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

Sample Deviation Codes

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

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.

Water Sample Category Key for Accreditation

- DW - Drinking Water
- GW - Ground Water
- LE - Land Leachate
- NA - Not Applicable

Report Information

PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

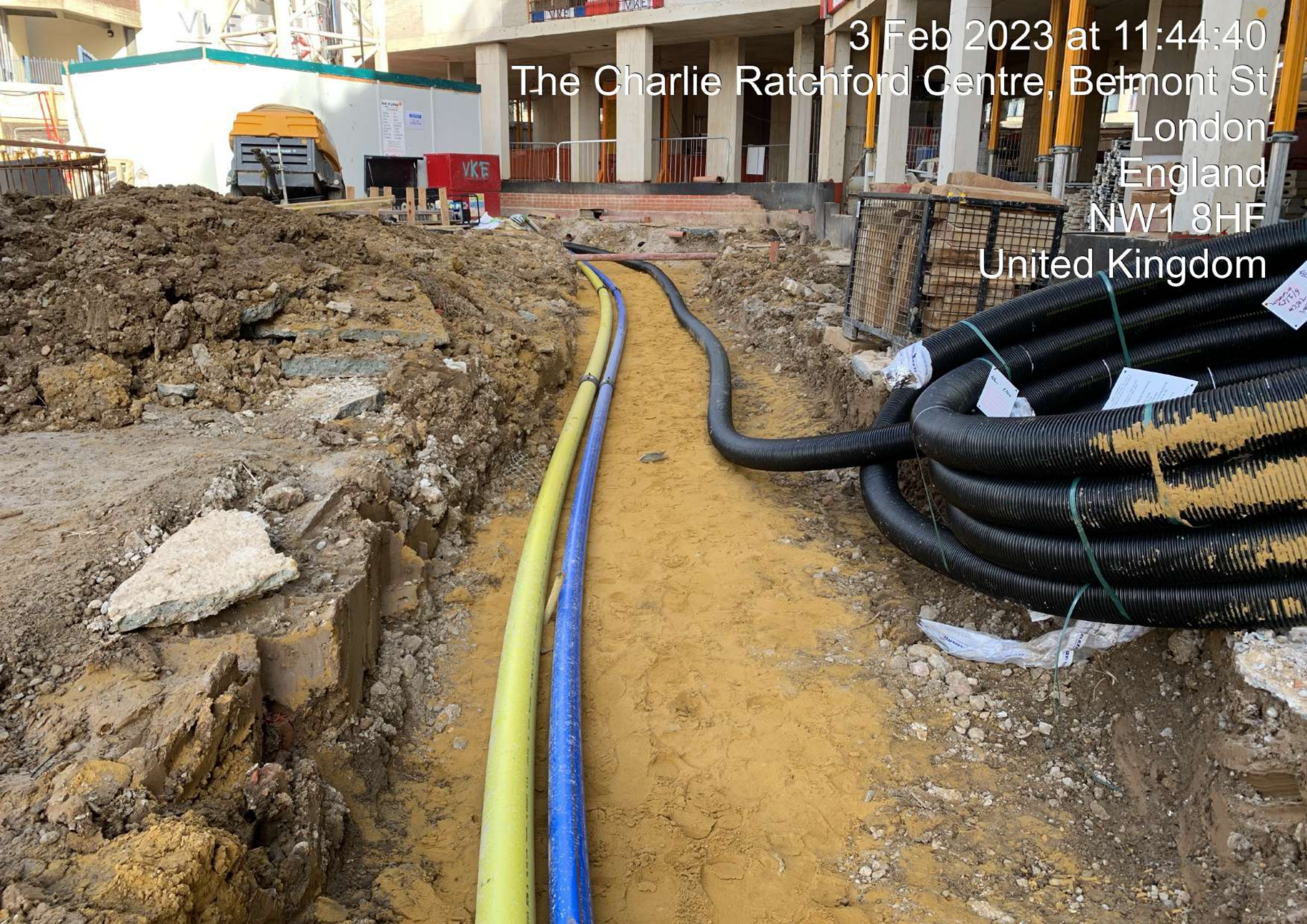
NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

3 Feb 2023 at 11:44:40
The Charlie Ratchford Centre, Belmont St
London
England
NW1 8HF
United Kingdom



CONVEYANCE NOTE / WASTE TRANSFER NOTE

655530

R.M.S. Ltd (Recycled Material Supplies Ltd)

Sunshine Wharf, Bradfield Road, London E16 2AX Tel/Fax: 020 7511 8565

N.B. To Customers - This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate)	EWC	DATE: <u>13-05-2022</u>
<input type="checkbox"/> BUILDERS RUBBISH	17.09.04	Vehicle Reg. No.: <u>EY70YYX</u>
<input type="checkbox"/> INERT SOIL & STONE	17.05.04	Metres:
<input type="checkbox"/> CONCRETE	17.01.01	In Words:
<input checked="" type="checkbox"/> NON HAZARDOUS SOIL & STONE	17.05.04	GROSS: <u>1 X LOAD</u>
<input type="checkbox"/> HARDCORE	17.01.07	TARE:
<input type="checkbox"/> OTHER	OTHER	NETT:
<input type="checkbox"/> BUILDING MATERIALS DESCRIPTION:- <u>NON HAZ 1A WY</u>		Drivers Name: <u>EDWARDS</u>

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME VKE
 ADDRESS BELMONT ST NW1
 WASTE REG. No. (if applicable)

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: R.M.S. Ltd. (Recycled Material Supplies Ltd) REGISTERED CARRIER No. CBDU149396
 Sunshine Wharf, Bradfield Road, London E16 2AX E.A Permit- EPR/KB3136AM

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME RMS LTD
 ADDRESS BRADFIELD RD E16

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 SIC Code: ---

Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed by Driver [Signature] Signed on behalf of Customer [Signature]
 Date 13-05-2022 Print Name [Signature]

Customers ordering vehicles off the public roads do so entirely at their own risk
 All Materials are produced in accordance with WRAP Protocol

CONVEYANCE NOTE / WASTE TRANSFER NOTE

656553

R.M.S. Ltd (Recycled Material Supplies Ltd)

Sunshine Wharf, Bradfield Road, London E16 2AX Tel/Fax: 020 7511 8565

N.B. To Customers - This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate)	EWC	DATE: <u>13/5/22</u>
<input type="checkbox"/> BUILDERS RUBBISH	17.09.04	Vehicle Reg. No.: <u>EK16CCV</u>
<input type="checkbox"/> INERT SOIL & STONE	17.05.04	Metres: <u>1 LOAD</u>
<input type="checkbox"/> CONCRETE	17.01.01	In Words:
<input checked="" type="checkbox"/> NON HAZARDOUS SOIL & STONE	17.05.04	GROSS:
<input type="checkbox"/> HARDCORE	17.01.07	TARE:
<input type="checkbox"/> OTHER	OTHER	NETT:
<input type="checkbox"/> BUILDING MATERIALS DESCRIPTION:- <u>NON HAZ</u>		Drivers Name: <u>B. BARAN</u>

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME VKE GRS
 ADDRESS BELMONT ST CAMDEN NW1
 WASTE REG. No. (if applicable)

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: R.M.S. Ltd. (Recycled Material Supplies Ltd) REGISTERED CARRIER No. CBDU149396
 Sunshine Wharf, Bradfield Road, London E16 2AX E.A Permit- EPR/KB3136AM

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME RMS LTD
 ADDRESS BAGHENHAM PERRY RD RM3

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 SIC Code: ---

Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed by Driver [Signature] Signed on behalf of Customer [Signature]
 Date 13/5/22 Print Name [Signature]

Customers ordering vehicles off the public roads do so entirely at their own risk
 All Materials are produced in accordance with WRAP Protocol



R.M.S. Ltd (Recycled Material Supplies Ltd)

Sunshine Wharf, Bradfield Road, London E16 2AX Tel/Fax: 020 7511 8565

N.B. To Customers - This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC DATE: 13 5 22

<input type="checkbox"/> BUILDERS RUBBISH	17.09.04	Vehicle Reg. No.: GUB7 WVE
<input type="checkbox"/> INERT SOIL & STONE	17.05.04	Metres:
<input type="checkbox"/> CONCRETE	17.01.01	In Words: 1X LOAD
<input checked="" type="checkbox"/> NON HAZARDOUS SOIL & STONE	17.05.04	GROSS:
<input type="checkbox"/> HARDCORE	17.01.07	TARE:
<input type="checkbox"/> OTHER	OTHER	NETT:
<input type="checkbox"/> BUILDING MATERIALS DESCRIPTION:-		Drivers Name: STUART

N/A

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: GRS / VKE

ADDRESS: BELMONT STREET

WASTE REG. No. (if applicable): NW1

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: R.M.S. Ltd. (Recycled Material Supplies Ltd)
Sunshine Wharf, Bradfield Road, London E16 2AX

REGISTERED CARRIER No. CBDU149396
E.A Permit- EPR/KB3136AM

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: RMS

ADDRESS: DAGENHAM PENNY RD RM9

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

SIC Code: 1

Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed by Driver:

Signed on behalf of Customer:

Date:

Print Name: J. BAKER

Customers ordering vehicles off the public roads do so entirely at their own risk
All Materials are produced in accordance with WRAP Protocol

Section A - Description of waste

<input type="checkbox"/> 17 05 04 Inert Soil & Stones	<input type="checkbox"/> 17 01 01 Concrete
<input checked="" type="checkbox"/> 17 05 04 Non Haz Soil & Stones	<input type="checkbox"/> 17 09 04 Mixed Cons/Demo Waste
<input type="checkbox"/> 17 01 07 Mixed Hardcore	<input type="checkbox"/> 17 03 02 Bitumen Mixtures (tarmac)

Other: _____ Container Type: _____

EWC Code: 170504 8 Wheeler Other

Description: NON-HAZ M/A Quantity: 1 LOAD

Section B - Waste Producer/Holder (Transferor)

Company Name: VKE SIC Code: _____

Site Address: BELMONT ST, NW1

Section C - Waste Carrier (Transferee)

Company Name: RMS Waste Carrier Licence: _____

Reg No. BK19ULZ Date: 17-5-22

Print Name: ALAN Signature:

Section D - Disposal Facility

Name of Disposal Facility: RMS

Address: PERRY RD, RM9

Permit No. _____

Name (Print): J. Baker

Signature:

Date: _____

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Name (Print): J. Baker

Signature:

Date: _____

Section F - Waiting Time

Time On Site: _____ Time Off Site: _____ Waiting Time: _____

Name (Print): _____

Signature: _____ Date: _____

White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.



No. 061919

Duty of Care Waste Transfer Note

Section A - Description of waste

- 17 05 04 Inert Soil & Stones
- 17 05 04 Non Haz Soil & Stones
- 17 01 07 Mixed Hardcore
- 17 01 01 Concrete
- 17 09 04 Mixed Cons/Demo Waste
- 17 03 02 Bitumen Mixtures (tarmac)

Other: _____ Container Type: _____
 EWC Code 1705 04 8 Wheeler Other
 Description INERT SOIL Quantity 1X LOAD

Section B - Waste Producer/Holder (Transferor)

Company Name VKE SIC Code _____
 Site Address BELMONT STREET HWY 18HH

Section C - Waste Carrier (Transferee)

Company Name RMS LTD Waste Carrier Licence CBW 149336
 Reg No. EY 15BUL Date 18/5/22
 Print Name C. SUNITRASCU Signature [Signature]

Section D - Disposal Facility

Name of Disposal Facility RMS LTD
 Address PERRY ROAD RMS
 Permit No. _____
 Name (Print) _____
 Signature _____ Date 18/5/22

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
 Name (Print) E. HASPARI
 Signature [Signature] Date 18/5/22

Section F - Waiting Time

Time On Site 14:00 Time Off Site 14:10 Waiting Time 10
 Name (Print) _____
 Signature _____ Date 18/5/22

White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.

CONVEYANCE NOTE / WASTE TRANSFER NOTE

14010

R.M.S. Ltd (Recycled Material Supplies Ltd)

Perry Road Recycling Facility, Perry Road, Dagenham, Essex, RM9 6QD
 Tel/Fax: 020 7511 8565

N.B. To Customers - This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate) EWC DATE: 18 05 2022
 BUILDERS RUBBISH 17.09.04 Vehicle Reg. No.: YK 08 YBW
 INERT SOIL & STONE 17.05.04 Metres: 15m³
 CONCRETE 17.01.01 In Words: 1X LOAD
 NON HAZARDOUS SOIL & STONE 17.05.04 GROSS: _____
 HARDCORE 17.01.07 TARE: _____
 OTHER OTHER NETT: _____
 BUILDING MATERIALS DESCRIPTION:-
INERT FLUCK AWAY Drivers Name: DARPAEA S.

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME GRS / VKE
 ADDRESS BELMONT ST HWY 18HH
 WASTE REG. No. (if applicable) _____

SECTION C - PERSON COLLECTING WASTE

Hauliers Name: REGISTERED CARRIER No. CBW149396
 R.M.S. Ltd. (Recycled Material Supplies Ltd)
 Perry Road Recycling Facility, Perry Road, Dagenham, Essex, RM9 6QD
 E.A Permit- EPR/DB3502TZ

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME RMS
 ADDRESS PERRY RD RM9

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 SIC Code: _____

Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed by Driver [Signature] Signed on behalf of Customer [Signature]
 Date 18 05 22 Print Name EVLS

Customers ordering vehicles off the public roads do so entirely at their own risk
 All Materials are produced in accordance with WRAP Protocol

Section A - Description of waste

17 05 04 Inert Soil & Stones 17 01 01 Concrete
 17 05 04 Non Haz Soil & Stones 17 09 04 Mixed Cons/Demo Waste
 17 01 07 Mixed Hardcore 17 03 02 Bitumen Mixtures (tarmac)

Other: _____ Container Type: _____
 EWC Code _____ 8 Wheeler Other _____
 Description NON HAZ Quantity 1 - load

Section B - Waste Producer/Holder (Transferor)

Company Name VIKE SIC Code _____
 Site Address BELMONT STREET NW1 8HR

Section C - Waste Carrier (Transferee)

Company Name Rms Waste Carrier Licence C300 149396
 Reg No. EJ209701 Date 18/5/22
 Print Name JJ Signature [Signature]

Section D - Disposal Facility

Name of Disposal Facility Rms
 Address Perry Rd - Dagenham
 Permit No. _____
 Name (Print) _____
 Signature _____ Date _____

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
 Name (Print) J. Bosen
 Signature [Signature] Date 18/5/22

Section F - Waiting Time

Time On Site _____ Time Off Site _____ Waiting Time _____
 Name (Print) _____
 Signature _____ Date _____

*White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.

Section A - Description of waste

17 05 04 Inert Soil & Stones 17 01 01 Concrete
 17 05 04 Non Haz Soil & Stones 17 09 04 Mixed Cons/Demo Waste
 17 01 07 Mixed Hardcore 17 03 02 Bitumen Mixtures (tarmac)

Other: _____ Container Type: _____
 EWC Code _____ 8 Wheeler Other _____
 Description NONHAZ m/a Quantity 1 x load

Section B - Waste Producer/Holder (Transferor)

Company Name VIKE SIC Code _____
 Site Address Belmont Street NW1

Section C - Waste Carrier (Transferee)

Company Name R.M.S Waste Carrier Licence 149396
 Reg No. EJ65TLZ Date 18/5/22
 Print Name Kenny Stone Signature [Signature]

Section D - Disposal Facility

Name of Disposal Facility Rms. ltd
 Address Perry Road Rm9
 Permit No. _____
 Name (Print) Kenny Stone
 Signature [Signature] Date 18/5/22

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
 Name (Print) J. Bosen
 Signature [Signature] Date 18/5/22

Section F - Waiting Time

Time On Site 11:50 Time Off Site 12:23 Waiting Time 33mins
 Name (Print) Kenny Stone
 Signature [Signature] Date 18/5/22

White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.



No. 063715

Duty of Care Waste Transfer Note

Section A - Description of waste

17 05 04 Inert Soil & Stones 17 01 01 Concrete
 17 05 04 Non Haz Soil & Stones 17 09 04 Mixed Cons/Demo Waste
 17 01 07 Mixed Hardcore 17 03 02 Bitumen Mixtures (tarmac)

Other:

Container Type:

EWC Code 8 Wheeler Other Description NON HAZ AWAY Quantity 1 LOAD

Section B - Waste Producer/Holder (Transferor)

Company Name VKE SIC Code Site Address BELMONT STREET, LONDON, NW1 8HH

Section C - Waste Carrier (Transferee)

Company Name RMS LTD Waste Carrier Licence CB0449396Reg No. EKAQUUZ Date 18-05-22Print Name HARVEY PITCHER Signature

Section D - Disposal Facility

Name of Disposal Facility RMS LTDAddress PERRY ROAD, DAGENHAM, RM9 6QAPermit No. Name (Print) Signature Date

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Name (Print) X V. BOBSignature X [Signature] Date 18.05.2022

Section F - Waiting Time

Time On Site Time Off Site Waiting Time Name (Print) Signature Date

White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.



No. 061856

Duty of Care Waste Transfer Note

Section A - Description of waste

17 05 04 Inert Soil & Stones 17 01 01 Concrete
 17 05 04 Non Haz Soil & Stones 17 09 04 Mixed Cons/Demo Waste
 17 01 07 Mixed Hardcore 17 03 02 Bitumen Mixtures (tarmac)

Other:

Container Type:

EWC Code 8 Wheeler Other Description NON HAZ Quantity 1 X LOAD

Section B - Waste Producer/Holder (Transferor)

Company Name GRS / VKE SIC Code Site Address BELMONT ST NW1 8HH

Section C - Waste Carrier (Transferee)

Company Name RMS Waste Carrier Licence CB0449396Reg No. ENG5B24 Date 18-5-22Print Name TOM-O Signature

Section D - Disposal Facility

Name of Disposal Facility RMSAddress PERRY RD DAG RM9 6QAPermit No. Name (Print) TOM-OSignature [Signature] Date 18-5-22

Section E - Signature of Waste Producer

DECLARATION: We Confirm that we have applied the waste management hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Name (Print) E.HSignature [Signature] Date

Section F - Waiting Time

Time On Site Time Off Site Waiting Time Name (Print) Signature Date

White copy: Signature at disposal point and return to GRS. Blue copy: Retained by disposal site/transfer facility. Yellow copy: Retained by Haulier. Green (book copy): Retain by GRS with returned white copy for 6 years.

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25670
Ticket Date: 19-05-2022
Status: Loaded
Vehicle: EU16GLY
Driver: Gelu Tamas

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Additional Loading Ref.: 25670

Cash Sale: No

Time On Loading Site: 14:46
Time Off Loading Site: 14:50

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Gelu Tamas

CONVEYANCE NOTE / WASTE TRANSFER NOTE

14062

R.M.S. Ltd (Recycled Material Supplies Ltd)

Perry Road Recycling Facility, Perry Road, Dagenham, Essex, RM9 6QD
Tel/Fax: 020 7511 8565

N.B. To Customers - This is in your interest - Please read this ticket fully, and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site, and a clear signature has been given.

SECTION A - DESCRIPTION OF WASTE MATERIALS

(tick as appropriate)	EWC	DATE: 18.5.2022
<input type="checkbox"/> BUILDERS RUBBISH	17.09.04	Vehicle Reg. No.: EU17LVS
<input type="checkbox"/> INERT SOIL & STONE	17.05.04	Metres:
<input type="checkbox"/> CONCRETE	17.01.01	In Words: 15m ³
<input type="checkbox"/> NON HAZARDOUS SOIL & STONE	17.05.04	GROSS:
<input type="checkbox"/> HARDCORE	17.01.07	TARE: 1 load
<input type="checkbox"/> OTHER	OTHER	NETT:
<input type="checkbox"/> BUILDING MATERIALS DESCRIPTION:-		Drivers Name: Alexe N

Non Haz

SECTION B - CURRENT HOLDER OF WASTE (CUSTOMER) COLLECTION POINT

NAME: VKE
ADDRESS: Belmont Street Wx11
WASTE REG. No. (if applicable):

SECTION C - PERSON COLLECTING WASTE



Hauliers Name: REGISTERED CARRIER No. CBDU149396
R.M.S. Ltd. (Recycled Material Supplies Ltd)
Perry Road Recycling Facility, Perry Road, Dagenham, Essex, RM9 6QD
E.A Permit- EPR/DB3502TZ

SECTION D - PLACE OF TRANSFER (TIP ADDRESS)

NAME: RMS
ADDRESS: Dagenham

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
SIC Code: ___ / ___

Certified that the above particulars are true and relate to the sand or ballast being conveyed in the vehicle described, which sand or ballast is being so conveyed in pursuance of a sale or an agreement for the sale thereof made by volume.

Signed by Driver:  Signed on behalf of Customer: 
Date: 18.5.2022 Print Name: V Brown

Customers ordering vehicles off the public roads do so entirely at their own risk
All Materials are produced in accordance with WRAP Protocol

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25669
Ticket Date: 19-05-2022
Status: Loaded
Vehicle: EU16GLY
Driver: Gelu Tamas

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

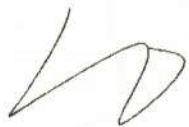
Additional Loading Ref.: 25669

Cash Sale: No

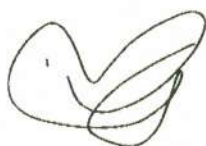
Time On Loading Site: 12:10
Time Off Loading Site: 12:12

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Gelu Tamas



Printed on 19-05-2022 at 12:12
by Gelu Tamas (EU16GLY)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25663
Ticket Date: 19-05-2022
Status: Loaded
Vehicle: PN19HVC
Driver: Catalin Chitic

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

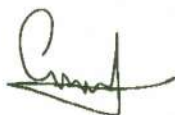
Time On Loading Site: 13:25
Time Off Loading Site: 13:25

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Catalin Chitic



Printed on 19-05-2022 at 13:25
by Catalin Chitic (PN19HVC)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25668
Ticket Date: 19-05-2022
Status: Loaded
Vehicle: EU16GLY
Driver: Gelu Tamas

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Additional Loading Ref.: 25668

Cash Sale: No

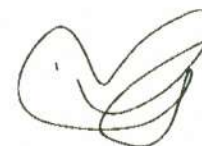
Time On Loading Site: 10:07
Time Off Loading Site: 10:07

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Gelu Tamas



Printed on 19-05-2022 at 10:07
by Gelu Tamas (EU16GLY)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:

KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25679

Ticket Date: 20-05-2022

Status: Loaded

Vehicle: PN19HVB

Driver: Miroslav Fila

Account: GRS GRS Roadstone Limited

Activity: W

Our Order No: 104

Unloading Site Address:

00029 PREMIER ENFIELD WASTE IN

Items:

PO01 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 13:21

Time Off Loading Site: 13:22

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Miroslav Fila



Printed on 20-05-2022 at 13:22
by Miroslav Fila (PN19HVB)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:

KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25683

Ticket Date: 20-05-2022

Status: Loaded

Vehicle: EU16GLY

Driver: Daniel Simtea

Account: GRS GRS Roadstone Limited

Activity: W

Our Order No: 104

Unloading Site Address:

00029 PREMIER ENFIELD WASTE IN

Items:

PO01 - INERT CLEAN INERT

Additional Loading Ref.: 25683

Cash Sale: No

Time On Loading Site: 09:43

Time Off Loading Site: 09:44

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Daniel Simtea



Printed on 20-05-2022 at 09:44
by Daniel Simtea (EU16GLY)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:

KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25673

Ticket Date: 20-05-2022

Status: Loaded

Vehicle: PN19HVC

Driver: Catalin Chitic

Account: GRS GRS Roadstone Limited

Activity: W

Our Order No: 104

Unloading Site Address:

00029 PREMIER ENFIELD WASTE IN

Items:

PO01 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 10:15


Time Off Loading Site: 10:16

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Catalin Chitic



Printed on 20-05-2022 at 10:16
by Catalin Chitic (PN19HVC)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25678
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: PN19HVB
Driver: Miroslav Fila

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 10:27
Time Off Loading Site: 10:27

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Miroslav Fila



Printed on 20-05-2022 at 10:27
by Miroslav Fila (PN19HVB)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25688
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EY70ZDF
Driver: Steve Loriguillo

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

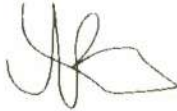
Items:
P001 - INERT CLEAN INERT

Cash Sale: No


Time On Loading Site: 11:47
Time Off Loading Site: 11:48

Waste Declaration:

Customer Signature: Vlad



Driver Signature: Steve Loriguillo



Printed on 20-05-2022 at 11:48
by Steve Loriguillo (EY70ZDF)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25684
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EU16GLY
Driver: Daniel Simtea

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Additional Loading Ref.: 25684

Cash Sale: No

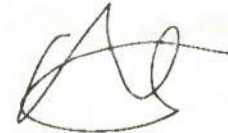
Time On Loading Site: 12:02
Time Off Loading Site: 12:04

Waste Declaration:

Customer Signature: Viadimir



Driver Signature: Daniel Simtea



Printed on 20-05-2022 at 12:04
by Daniel Simtea (EU16GLY)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHLO093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25674
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: PN19HVC
Driver: Catalin Chitic

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 12:49
Time Off Loading Site: 12:50

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Catalin Chitic



Printed on 20-05-2022 at 12:50
by Catalin Chitic (PN19HVC)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHLO093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25685
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EU16GLY
Driver: Daniel Simtea

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Additional Loading Ref.: 25685

Cash Sale: No

Time On Loading Site: 14:39
Time Off Loading Site: 14:46

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Daniel Simtea



Printed on 20-05-2022 at 14:46
by Daniel Simtea (EU16GLY)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHLO093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25691
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EY70ZGV
Driver: Steve Dowling

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 14:31
Time Off Loading Site: 14:32

Waste Declaration:

Customer Signature: Vladimir



Driver Signature: Steve Dowling



Printed on 20-05-2022 at 14:32
by Steve Dowling (EY70ZGV)
Company Reg No.: 12526052
VAT Reg No.: 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25687
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EY70ZDF
Driver: Steve Loriguillo

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

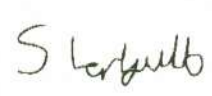
Time On Loading Site: 09:41
Time Off Loading Site: 09:41

Waste Declaration:

Customer Signature: Vlad



Driver Signature: Steve Loriguillo



Printed on 20-05-2022 at 09:41
by Steve Loriguillo (EY70ZDF)
Company Reg No : 12526052
VAT Reg No. 355340607

Loading Ticket

Kingscote Haulage
Unit 3-4 Oaks Court
Warwick Road
Borehamwood
WD6 1GS

Waste Carrier No.: CBDU342702

Loading Site Address:
KHL0093 - BELMONT STREET, CAMDEN
BELMONT STREET
CAMDEN
C/O VKE CONTRACTORS

Ticket No: 25689
Ticket Date: 20-05-2022
Status: Loaded
Vehicle: EY70ZDF
Driver: Steve Loriguillo

Account: GRS GRS Roadstone Limited
Activity: W
Our Order No: 104

Unloading Site Address:
00029 PREMIER ENFIELD WASTE IN

Items:
P001 - INERT CLEAN INERT

Cash Sale: No

Time On Loading Site: 14:34
Time Off Loading Site: 14:41

Waste Declaration:

Customer Signature: Vlad



Driver Signature: Steve Loriguillo



Printed on 20-05-2022 at 14:41
by Steve Loriguillo (EY70ZDF)
Company Reg No.: 12526052
VAT Reg No.: 355340607