Verification Report (Soil Cover System)

Land Adjacent to 233 Oilmills Road (Plots 1 – 4)
Ramsey Mereside
Ramsey
Huntingdonshire
PE26 2UA

Prepared for:

New Build & Renovations Ltd
306 Ugg Mere Court Road
Ramsey Heights
Ramsey
Huntingdonshire
PE26 2RJ

EPS Project Reference:	UK21.5330c
Date Issued:	6th December 2024
Report Status:	Issue 1

LAND ADJACENT TO 233 OILMILLS ROAD (PLOTS 1 – 4)

NON-TECHNICAL CLIENT SUMMARY

This report constitutes the verification of remediation intended to make the site safe for its new residential use and ensure measures outlined within the Remedial Strategy have been satisfactorily implemented. Pertinent findings and conclusions are summarised as follows:

- Previous investigations and sampling assessments completed by EPS in April 2021 concluded that the soils present across the site were not of sufficient quality to be used in future garden and landscaped areas.

- To control the risks associated with future site users interacting with these materials, it was recommended that a soil cover system comprising of a minimum thickness of 400mm certified clean imported soil be installed in area of gardens and soft landscaping associated with the redevelopment of the site. The site itself is being developed into eight new residential dwellings however the Client is only responsible for Plots 1 – 4 and hence this verification report only covers these plots, it is recognised that the outstanding plots (Plots 5 – 8) will need to be verified at a later date.

- An inspection was carried out by EPS in November 2024 where the minimum required thickness of the imported soil making up the cover system in private garden areas was confirmed. The minimum requirements were achieved and records provided by the client confirm that the imported soil sourced from British Sugar and supplied by and P J Thory Ltd is of suitable quality. Overall, the risks identified through previous phases of work appear to be adequately been managed by the measures currently in place and the Remedial Strategy has therefore been completed to an adequate standard.

- It is recommended that a copy of this report is provided to the Environmental Health Department of Huntingdonshire District Council and the NHBC (or alternative insurance provider), so that it may be incorporated into their land quality records and to satisfy associated planning conditions.

By their very nature, the above bullet points represent a simplified summary of our work and **must not** be relied upon to form the basis for key decisions for the proposed development. A full picture is provided in the following report, or alternatively give us a call and we'll talk you through it.

Project Reference:	UK21.5330c
Title:	Verification Report (Soil Cover System) – Land Adjacent to 233 Oilmills Road (Plots 1 – 4), Ramsey Mereside
Client:	New Build & Renovations Ltd
Date:	6th December 2024
EPS Contact Details:	7B Caxton House Broad Street Cambourne Cambridge CB23 6JN T: 01954 710666 E: info@epstrategies.co.uk W: www.epstrategies.co.uk
Status:	Issue 1

Author:	**Reviewed:**	**Authorised:**
M Joss	*T Androsiuk*	*M Bell*
Michael Joss	Tom Androsiuk	Marcus Bell
Consultant	Principal Consultant	Director

This report has been prepared for the client(s) listed on the report title page. EPS accepts no liability or responsibility for use of, or reliance upon, this report and / or the information contained within it by third parties.

If third parties have been contracted / consulted during compilation of this report, the validity of any data they may have supplied, and which are included in the report, have been assessed as far as possible by EPS however, EPS cannot guarantee the validity of these data.

No part of this report, or references to it, may be included in published documents of any kind without approval from EPS. This report and its contents, together with any supporting correspondence or other documentation, remain the property of Environmental Protection Strategies Ltd until paid for in full.

The report has been written, reviewed and authorised by the persons listed above. It has also undergone EPS' in house quality management inspection. Should you require any further assistance regarding the information provided within the report, please do not hesitate to contact us.

The National Planning Policy Framework requires a competent person to prepare site investigation information, which is defined as a person with a recognised relevant qualification, sufficient experience in dealing with the type(s) of pollution or land instability, and membership of a relevant professional organisation. EPS considers that it fulfils these criteria and would welcome any request for staff CVs or case studies to demonstrate it.

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1 INTRODUCTION

In November 2024, Environmental Protection Strategies Ltd (EPS) was commissioned by New Build & Renovations Ltd to produce a Verification Report, following the installation of a soil cover system at Plots 1 -4 of the development site known as land adjacent to 233 Oilmills Road, Ramsey Mereside, Ramsey, Huntingdon PE26 2UA ('the site', see Figure 1).

The work was commissioned in order to support a planning application for the '*Demolition of existing disused outbuildings buildings and construction of eight new residential dwellings and associated parking*' (Huntingdonshire District Council planning application ref: 18/02445/FUL). Specifically, the works were commissioned in order to meet the requirements of part C)of planning condition No. 17 relating to the verification of remediation. It should be appreciated that this report only covers Plots 1 – 4 of the development site for which the client is responsible and it is understood that the other plots (Plots 5 – 8) are being developed by another developer and will be verified at a later date.

A development plan outlining the layout and extent of the development is presented as Appendix A.

The following sections of this report provide the background and objectives for this work, describe the activities that were undertaken, and present records of imported to the site, including chemical and physical data. The overall aim of this process is to ensure the following contaminant linkages (risks) will not become active following redevelopment, which represents the Conceptual Site Model forming the basis of this work.

Source	Pathway	Receptor
Contaminated soil	Direct contact and inadvertent ingestion by eating or smoking with dirty hands	Construction workers during redevelopment & site users
	Inhalation of fugitive dusts	
	Direct uptake and/or adherence of contaminated soil to vegetation and subsequent ingestion.	Site users
	Direct uptake via root systems	Plants

1.1 Background and Previous Reports

The site has been subject to a previous Phase I & II Environmental Assessment that included control measures which constituted a remedial strategy and was issued by EPS in April 2021. For background information, it is recommended that the reader review the following document which is briefly summarised below:

- *Phase I & II Environmental Assessment – Land Adjacent to 233 Oilmills Road, Ramsey Mereside* (EPS Ltd, dated 22nd April 2021, Report Ref: UK21.5330)

The Phase I desk study part of the combined Phase I & II Environmental Assessment identified a limited number of plausible contaminant linkages that had the potential to become active as a result of the residential redevelopment of the site. These contaminant linkages represented potential human health risks associated with exposure of construction workers and future site users to made ground and potentially contaminated shallow soils due to former site use as allotments and the presence of former outbuildings and hardstanding.

Phase II intrusive investigations involved undertaking eight hand auger boreholes with shallow soils generally found to comprise topsoil overlying natural silty clay considered representative of the superficial Tidal Flat Deposits. Made ground was encountered in a limited number of locations across the site (including one formed within a raised embankment) and consisted of gravelly clay with brick fragments throughout. From the findings of the intrusive works, the distribution of made ground materials in the sub-surface was considered likely to align with the presence of the former buildings. Laboratory analysis of the shallow soils found made ground materials to contain elevated concentrations of the heavy metal Lead, which would not be suitable for use within areas of soft landscaping or private garden areas of a residential scheme.

On this basis, it was recommended that a simple soil cover system comprising a minimum thickness of 400mm certified clean soil be implemented in any areas where private domestic gardens and / or soft landscaping coincide with made ground materials. For the purposes of this verification exercise, the assumption has been made that a minimum of 400mm of cover soil has been placed in all plots. This recommendation constitutes the Remedial Strategy for the site.

EPS were subsequently commissioned to complete verification works to confirm the above recommendation has been adequately implemented at Plots 1 – 4 of the development site. The findings of this process are described in the following sections of this report.

1.2 Objectives

The objective of this Verification Report is as follows:

- Demonstrate that relevant aspects of the Remedial Strategy have been implemented so that risks to future site users have been successfully mitigated to a safe level.

1.3 Scope of Work

To undertake a verification exercise of the recommended remedial measures in accordance with the principles and requirements of the Environment Agency's *Land Contamination: Risk Management*, the *National Planning Policy Framework* and DEFRAs '*Contaminated Land Statutory Guidance*' as well as the NHBC's *Standards and Technical Requirements*, the following tasks were undertaken:

- Completion of a site visit by a suitably qualified engineer to confirm the thickness and visual quality of imported cover soils via the formation of hand auger boreholes within areas of soft landscaping and gardens associated with Plots 1 – 4.
- Compiling records relating to imported materials delivery, quality and chemical suitability.
- Production of the Verification Report.

1.4 Project Limitations and Constraints

The purpose of this report is to present the findings of a verification exercise conducted at the location(s) specified. When examining the data collected from the investigations made during the assessment, EPS makes the following statements:

No investigation method is capable of completely identifying all the ground conditions that might be present in the soil or groundwater under a site. Where outlined in our report, we have examined the ground beneath a site by constructing a number of boreholes and/or trial pits. The locations of these excavations and sampling points are considered to be sufficient to achieve the objectives of the investigation. However, it may be possible that the cover soils vary across the site.

If third parties have been contracted/consulted during completion of this report, the validity of any data they may have supplied, and which are included in the report, have been assessed as far as possibly by EPS, however, EPS cannot guarantee the validity of these data.

EPS Ltd cannot confirm that Japanese Knotweed rhizomes do not exist at the site, this is due to the difficulty of identifying the plant, especially in the early stages of growth. It is recommended that if Japanese Knotweed, (or any other similarly invasive plants,) is suspected to be present, a specialist contractor should be commissioned to make a detailed assessment.

This report does not include specific investigation for the presence of Potential Asbestos Containing Material (PACM). Specialist contractors should be commissioned to make detailed assessments and recommendations if these materials are suspected. EPS have only considered the risk of asbestos in soils, we are not licensed asbestos surveyors.

This report does not cover the possible regulatory or legal requirements of re-using soils which are a potential waste. The risks from soils have been assessed on the principles of safe development and suitability for use but if there is any doubt over whether the soils are considered a waste, the local Environment Agency waste team should be consulted.

2 VERIFICATION WORKS

EPS was commissioned to independently verify the remedial works completed at the site, as outlined in the previous Phase I & II Environmental Assessment issued in April 2021. The findings of this process are detailed in the sections below and are supported by relevant photographs / records where appropriate.

2.1 Site Location & Description

EPS visited the site on the 20th November 2024 to complete an inspection during an appropriate stage of the redevelopment programme when the imported cover soils had been installed in the required areas (i.e. the gardens of Plots 1 – 4).

Access to the property was gained from Oilmills Road to the north and at the time of EPS' visit the development of the properties (Plots 1 – 4) appeared to be largely complete, with some internal and external works still ongoing. The fencing between the gardens of Plots 1 – 4 were partly completed and the imported cover soil was present across all of the rear garden areas with the soil not yet finished with turf / grass. Manhole / drain covers were also present in each garden and these are understood to be associated with recently installed soakaways. The external (marginal) front area of Plots 1 – 4 were partially finished at the time of EPS' site visit, and appeared to be largely formed of hardstanding/brick paving.

2.2 Summary of Verification Works

During EPS' site visit in November 2024, a detailed inspection was made of the soils present in the rear gardens of Plots 1 – 4 and initial observations found these materials be indicative of recently imported topsoil.

2.2.1 Waste Transfer Tickets

Although it is understood that the Client removed some shallow soils to allow for the imported topsoil to achieve desired levels, EPS have not been provided with waste transfer documentation to confirm this. Should such documentation be required, it is recommended that the client be contacted directly.

2.3 Installation of Cover System

2.3.1 Location and Thickness of Imported Material

During EPS' site visit on the 20th November 2024, hand auger boreholes were completed within the private garden areas, to provide assurance the recommended remedial measures (specifically the thickness and visual quality of soil imported to the required areas), had been completed to the required standard.

Eight shallow hand auger boreholes (HA01 – HA08) were completed in the rear garden areas of Plots 1 – 4. Each of these plots comprised topsoil at the surface with the soil yet to be finished with grass / turf.

The soil arisings from each of the hand auger boreholes were recorded as a dark brown, silty sandy slightly gravelly clay topsoil. At each hand auger borehole location, a recorded thickness of at least 400mm of cover soil was present. This process confirmed that the minimum required thickness (outlined in EPS' Phase I & II Environmental Assessment) had been achieved in the key areas of Plots 1 – 4. A hand auger location plan is presented as Figure 2.

A range of photographs taken by EPS during the verification works on the 20th November 2024, demonstrating the extent of the imported cover soils in the relevant areas are presented below.

Photo 1: Image showing the imported topsoil across the four plots facing northwest.	Photo 2: Image showing the profile of the imported topsoil at the edge of Plot 4.
	
Photo 3: Image looing southeast across the rear gardens of the plots.	Photo 4: Image showing the topsoil at the south western corner of Plot 4.
	

2.4 Imported Soil Quality

It is understood that the Client sourced the imported topsoil from two different sources. Records provided in the form of delivery notes show that between 30th October and 1st November 2024, BH Haulage Ltd delivered five loads of topsoil sourced from 'British Sugar Wissington' to the site. These records are included as Appendix B. The Client has also provided a topsoil analysis report dated July 2024 which describes the topsoil as a '*dark brown, dry, non-plastic, very calcareous CLAY LOAM with a weekly to moderately developed, fine granular structure*', this report also adds that '*the sample was virtually stone-free, and no unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed*'. These descriptions of the topsoil are consistent with the topsoil encountered on site during EPS' recent site visit in 2024. British Sugar have a longstanding reputation for providing high quality topsoil, sourced from their sugar beet washings, with the key added assurance that they test it for common contaminants at source and have done so for many years. The topsoil analysis report from British Sugar is included in Appendix C.

Topsoil was also supplied for the rear gardens of Plots 1 – 4 by P J Thory Limited and between the 4th and 8th November 2024, ten loads of topsoil were delivered to the site as confirmed by the records presented as Appendix D. It is understood that this topsoil supplied by P J Thory Ltd was sourced from a site in Chittering and the Client has provided results of laboratory testing on a sample of the stockpiled topsoil from this site which indicate it is suitable for use in the context of the soil cover system, this laboratory testing is presented as Appendix E. EPS obviously cannot verify the sampling methods or associated quality assurance associated with that testing.

2.5 Unforeseen Contamination

The developer has confirmed to EPS that no unforeseen contamination, beyond what was anticipated through the findings of the previous assessments, was encountered during the groundworks associated with the development of the new residential dwellings.

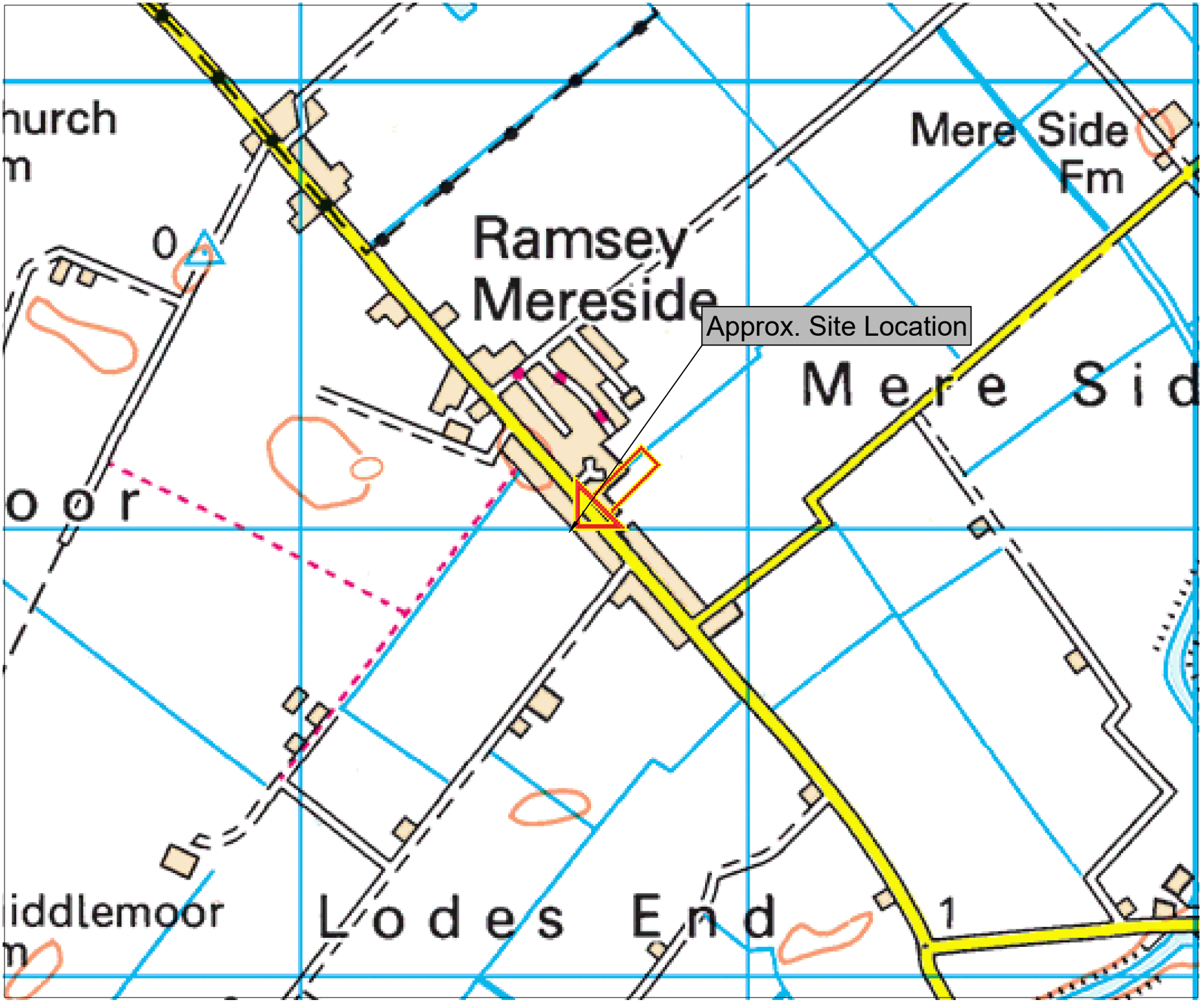
3 VERFICIATION STATEMENT

On the basis of the information and detailed records provided by the Client and the results of the independent verification works carried out by EPS, it appears that the imported cover soil is suitable for the adopted residential end use, and of a sufficient thickness. Therefore, it is concluded that the Remedial Strategy outlined in EPS' Phase II Environmental Assessment issued in April 2021 has been carried out to the required standard and no unacceptable risks should be present to future site users. Additionally, the developer has demonstrated throughout the process that they have been notably diligent, providing all the necessary documents and sourcing clean soil, installed to the appropriate minimum thickness.

Overall, the control measures which have been implemented in the private gardens of Plots 1 – 4 t are considered to have met the requirements of the Remedial Strategy and no further action or assessment is viewed necessary.

It is recommended that a copy of this report is provided to the Environmental Health Department of Huntingdonshire District Council and the NHBC (or alternative insurance provider), so that it may be incorporated into their land quality records and to satisfy associated planning conditions.

FIGURES



N

Rev	Date	Drawn	Description	Ch'k'd

eps

The Geotechnical and Environmental Engineers
www.epstrategies.co.uk

Site
Land Adjacent to 233 Oilmills Road (Plots 1 - 4), Ramsey Mereside

Client
New Build & Renovations Ltd

Title
Figure 1 - Site Location Plan

Surveyed:		Drawn by:	TA
Checked by:	TA	Date:	December 2024

Scale [A4 Sheet]	Drawing Reference
Not to Scale	UK21.5330c/1224/01

Job No	Rev
UK21.5330c	00



KEY:

HAND AUGER BOREHOLE LOCATION

Rev	Date	Drawn	Description	Ch'k'd

The Geotechnical and Environmental Engineers
www.epstrategies.co.uk

Site: Land Adjacent to 233 Oilmills Road (Plots 1 - 4), Ramsey Mereside

Client: New Build & Renovations Ltd

Title: Figure 2 - Hand Auger Borehole Plan

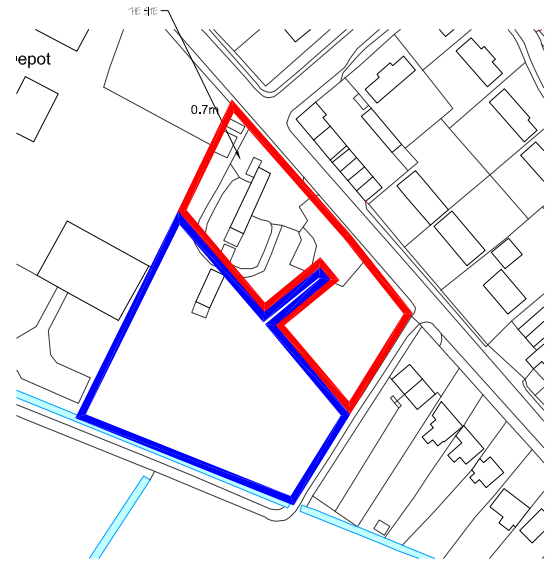
Surveyed:		Drawn by:	TA
Checked by:	TA	Date:	December 2024
Scale [A4 Sheet]	Not to Scale	Drawing Reference	UK21.5330c/1224/02
Job No	UK21.5330c	Rev	00

APPENDICES

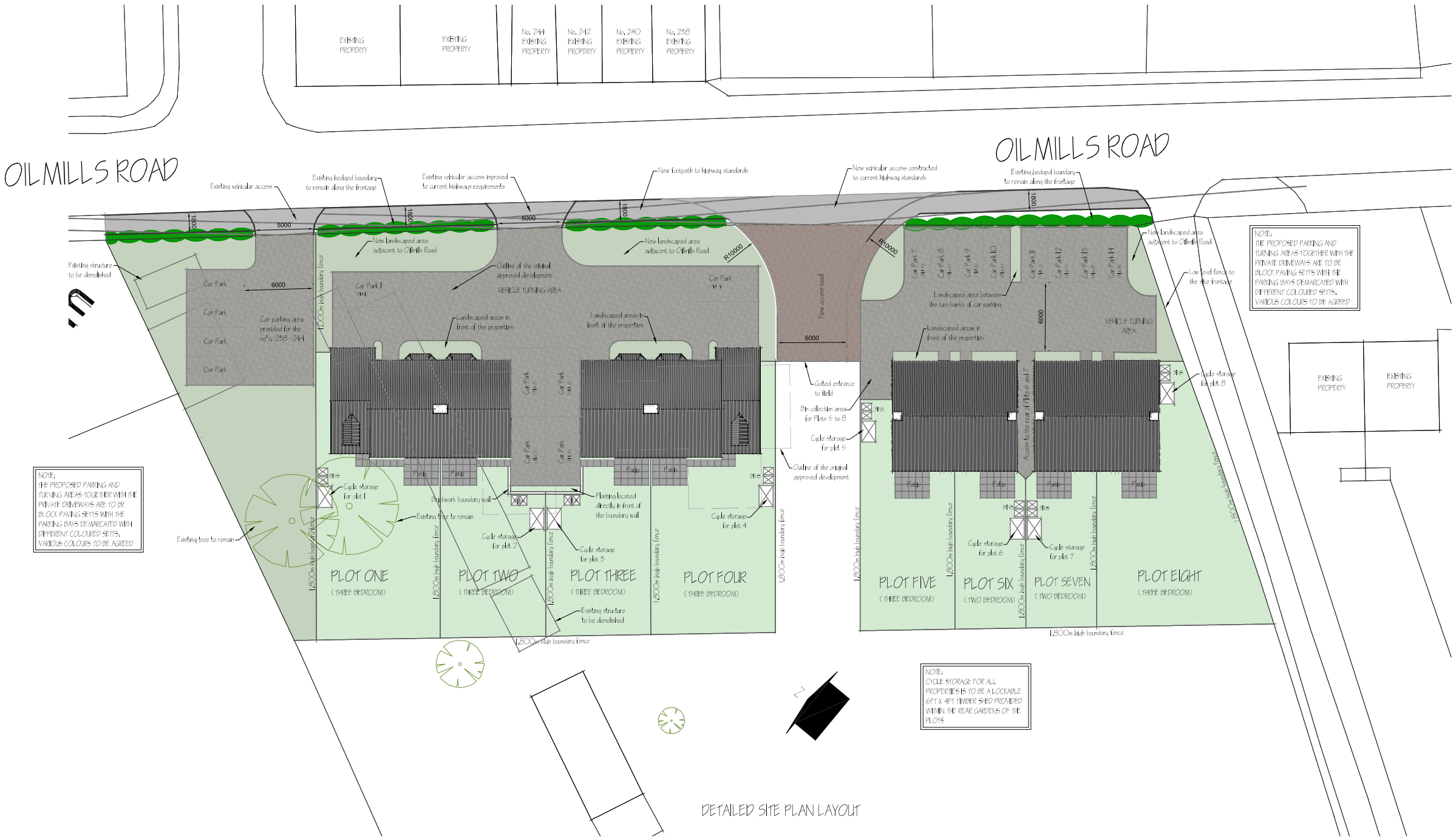
APPENDIX A

Development Plan

PROPOSED NEW RESIDENTIAL DEVELOPMENT
OILMILLS ROAD, RAMSEY MERESIDE, HUNTINGDON CAMBS



LOCATION PLAN



DETAILED SITE PLAN LAYOUT

REV	DATE	DESCRIPTION
F	18.12.18	AMENDED BOUNDARY WALL LEFT PLANTING REVISED, DETAILS OF PLOTS 5 AND 6 AND PLOTS 7 AND 8 AMENDED, PARKING AREA AMENDED, ACCESS TO PLOTS 5 TO 8 AMENDED, NOTES AMENDED, TO SHOW ACCESS TO PLOTS 5 TO 8 AMENDED
E	06.12.18	AMENDED TO SHOW ACCESS TO PLOTS 5 TO 8 AMENDED
D	06.12.18	AMENDED TO SHOW ACCESS TO PLOTS 5 TO 8 AMENDED
C	28.11.18	AMENDED TO SHOW ACCESS TO PLOTS 5 TO 8 AMENDED
B	23.11.18	THE FOOTPATH AND LOCATION OF THE NEW VEHICULAR ACCESS AMENDED, THE CYCLE STORAGE AND BIN COLLECTION AREAS AMENDED
A	16.11.18	PLANNING ISSUE

CLIENT: MR. P. MOSSMAN

PROJECT: LAND ADJACENT TO 233 OILMILLS ROAD, RAMSEY MERESIDE, PE26 2UA

TITLE: DETAILED SITE PLAN LAYOUT AND LOCATION PLAN

PROJECT No. 17/697 | DRAWING No. (GA)5030 | REVISION F

DRAWN: NM | CHECK: DD | SCALE: 1:500 @A1, 1:1000 @A3 | DATE: 30.08.18

STATUS: PRELIMINARY

distinct DESIGNS UK Ltd
professional architectural services
Chartered Practice
Suite 45, Enterprise House, Martin Lynn Industrial Estate, Bergen Way, King's Lynn, Norfolk PE30 2JG
Tel: 01553 760 766 Fax: 01553 760 444 Mobile: 07850 639 753 Email: info@distinctdesigns.co.uk

Construction should ONLY proceed from drawings issued under CONSTRUCTION STATUS, unless written consent is given. Should any site personnel, or those employed to carry out works on their behalf, choose to undertake materials, components or specifications, or realise any figured setting out dimensions to those specified on distinct DESIGNS UK Ltd drawings, without reference and agreement with distinct DESIGNS UK Ltd, then they do so entirely at their own risk.

APPENDIX B

Delivery Notes – BH Haulage Ltd

BH HAULAGE LTD

07551 173 015
ben@bhhaulage.co.uk

BH Haulage Ltd.
The Oak, Station Road
Leziate, PE32 1EJ

Ticket Number 10897

Date: 31 10 24

Gross: 31

Tare: 12

Net Weight: 18

Haulier/Driver: JOSH PAGE.

Vehicle Reg: YA19KFG.

COLLECTED FROM

British Sugar
Topsoil
Wissington.

TIPPED AT

New Build Renovations
233 oils Mills Road
Ramsey mereside
Pe26 2UJ.

Waiting Time/Daywork: Start:

Finish: Waiting Time:

Material Description:
120 Topsoil

EWC Code	
170107 Mixed Hardcore	10408 Quarry Waste
170102 Brick	10409 Clay
170504 Inert Soil	170101 Tarmac
	170303 Concrete

Signature:

EWC Code

Customer Name (PRINT):

SIC Code

Signed on behalf of customer if not present to sign:

Customers ordering vehicles off the hard road do so on their own responsibility

Signature:

CONCRETE • TIPPER WORK • MUCK AWAY • AGGREGATE • SITE CLEARENCE

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Waiting time may be charged if loading time exceeds 15 minutes. By signing the Duty Of Care Waste Transfer Note the producer/holder of the waste confirms they have fulfilled their duty to apply the waste hierarchy as required by Regulation 12 of the waste (England & Wales) regulations 2011. Terms and conditions of sale available on request.

REGISTERED WASTE CARRIER NO. CBDU 418837

White: Customer **Yellow:** Office **Pink:** Transfers **Green:** Haulier

BH HAULAGE LTD

07551 173 015
ben@bhhaulage.co.uk

BH Haulage Ltd.
The Oak, Station Road
Leziate, PE32 1EJ

Ticket Number 08094

Date: 30/10/24

Gross: 31.420

Tare: 12.860

Net Weight: 18.620

Haulier/Driver: Andy

Vehicle Reg: LW20 FBB

COLLECTED FROM

British Sugar
Wissington

TIPPED AT

New build Renovation
233 Oilsmills Road
Ramsey
PE26 2US

Waiting Time/Daywork: Start: Finish: Waiting Time:

Material Description: Top Soil

EWC Code	
170107 Mixed Hardcore	**10408** Quarry Waste
170102 Brick	**10409** Clay
170504 Inert Soil	**170101** Tarmac
	170303 Concrete

Signature: EWC Code

Customer Name (PRINT): SIC Code

Signed on behalf of customer if not present to sign:

Customers ordering vehicles off the hard road do so on their own responsibility

Signature:

CONCRETE • TIPPER WORK • MUCK AWAY • AGGREGATE • SITE CLEARENCE

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

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Terms and conditions of sale available on request.

REGISTERED WASTE CARRIER NO. CBDU 418837

White: Customer **Yellow:** Office **Pink:** Transfers **Green:** Haulier

BH HAULAGE LTD

07551 173 015
ben@bhhaulage.co.uk

BH Haulage Ltd.
The Oak, Station Road
Leziate, PE32 1EJ

Ticket Number 08096

Date: 1 / 11 / 24

Gross: 31.660

Tare: 12.960

Net Weight: 18.700

Haulier/Driver: Andy

Vehicle Reg: WU20 FBB

COLLECTED FROM

British Sugar
Wissington

TIPPED AT

New build Renovation
233 Oldmills Road
Ramsey

Waiting Time/Daywork: Start: Finish: Waiting Time:

Material Description:

Top Soil

EWC Code	
170107 Mixed Hardcore	**10408** Quarry Waste
170102 Brick	**10409** Clay
170504 Inert Soil	**170101** Tarmac
	170303 Concrete

Signature:

EWC Code

Customer Name (PRINT):

SIC Code

Signed on behalf of customer if not present to sign:

Customers ordering vehicles off the hard road do so on their own responsibility

Signature:

CONCRETE • TIPPER WORK • MUCK AWAY • AGGREGATE • SITE CLEARENCE

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Waiting time may be charged if loading time exceeds 15 minutes. By signing the Duty Of Care Waste Transfer Note the producer/holder of the waste confirms they have fulfilled their duty to apply the waste hierarchy as required by Regulation 12 of the waste (England & Wales) regulations 2011. Terms and conditions of sale available on request.

REGISTERED WASTE CARRIER NO. CBDU 418837

White: Customer **Yellow:** Office **Pink:** Transfers **Green:** Haulier

BH HAULAGE LTD

07551 173 015
ben@bhhaulage.co.uk

BH Haulage Ltd.
The Oak, Station Road
Leziate, PE32 1EJ

Ticket Number 08090

Date: 30/10/24

Gross: 31.800

Tare: 12.740

Net Weight: 19.060

Haulier/Driver: Andy

Vehicle Reg: WU20 FBB

COLLECTED FROM

British Sugar
Wissington

TIPPED AT

New build Renovation
233 oilmills Road
Ramsay

Waiting Time/Daywork: Start:

Finish: Waiting Time:

Material Description:

Top Soil

EWC Code	
170107 Mixed Hardcore	**10408** Quarry Waste
170102 Brick	**10409** Clay
170504 Inert Soil	**170101** Tarmac
	170303 Concrete

Signature:

EWC Code

Customer Name (PRINT):

SIC Code

Signed on behalf of customer if not present to sign:

Customers ordering vehicles off the hard road do so on their own responsibility

Signature:

CONCRETE • TIPPER WORK • MUCK AWAY • AGGREGATE • SITE CLEARENCE

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Waiting time may be charged if loading time exceeds 15 minutes. By signing the Duty Of Care Waste Transfer Note the producer/holder of the waste confirms they have fulfilled their duty to apply the waste hierarchy as required by Regulation 12 of the waste (England & Wales) regulations 2011. Terms and conditions of sale available on request.

REGISTERED WASTE CARRIER NO. CBDU 418837

White: Customer **Yellow:** Office **Pink:** Transfers **Green:** Haulier

BH HAULAGE LTD

07551 173 015
ben@bhhaulage.co.uk

BH Haulage Ltd.
The Oak, Station Road
Leziate, PE32 1EJ

Ticket Number 08089

Date: 30/10/24

Gross: 31.940

Tare: 12.800

Net Weight: 19.140

Haulier/Driver: Andy

Vehicle Reg: W420 FBB

COLLECTED FROM

British sugar
Wissington

TIPPED AT

New build Renovation
233 Oilsmills Road
Ramsey
PE26 2US

Waiting Time/Daywork: Start: Finish: Waiting Time:

Material Description:

Top soil

EWC Code	
170107 Mixed Hardcore	**10408** Quarry Waste
170102 Brick	**10409** Clay
170504 Inert Soil	**170101** Tarmac
	170303 Concrete

Signature:

EWC Code

Customer Name (PRINT):

SIC Code

Signed on behalf of customer if not present to sign:

Customers ordering vehicles off the hard road do so on their own responsibility

Signature:

CONCRETE • TIPPER WORK • MUCK AWAY • AGGREGATE • SITE CLEARENCE

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

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Terms and conditions of sale available on request.

REGISTERED WASTE CARRIER NO. CBDU 418837

White: Customer **Yellow:** Office **Pink:** Transfers **Green:** Haulier

APPENDIX C

British Sugar Topsoil Analysis Report

TIM O'HARE ASSOCIATES
SOIL & LANDSCAPE CONSULTANCY

British Sugar TOPSOIL

Natalie Gudgin
British Sugar plc Co-Products
Oundle Road
Peterborough
PE2 9QU

11th July 2024
Our Ref: TOHA/24/1423/1/SS
Your Ref: PO 60264512

Dear Sirs

Topsoil Analysis Report: Landscape 20 Wissington

We have completed the analysis of the LANDSCAPE 20 TOPSOIL sample recently submitted, referenced *Wi-L20-Jun 24* and have pleasure reporting our findings.

The purpose of the analysis was to determine the suitability of the LANDSCAPE 20 TOPSOIL 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)*.

This report presents the results of analysis for the sample submitted to our office, 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 British Sugar factory.

SAMPLE EXAMINATION

The sample was described as a dark brown (Munsell Colour 7.5YR 3/2), dry, non-plastic, very calcareous CLAY LOAM with a weakly to moderately developed, fine granular structure*. The sample was virtually stone-free, and 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.

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:

- particle size analysis (sand, silt, clay);
- stone content (2-20mm, 20-50mm, >50mm);
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- organic matter content;
- C:N ratio;
- heavy metals (As, B, Ba, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, V, Zn);
- total cyanide and total (mono) phenols;
- speciated PAHs (US EPA16 suite);
- aromatic and aliphatic TPH (C5-C35 banding);
- benzene, toluene, ethylbenzene, xylene (BTEX);
- asbestos screen.

The results are presented on the attached Certificate of Analysis and an interpretation of the results is given below. The interpretation considers the use of the LANDSCAPE 20 TOPSOIL for general landscape purposes and its compliance/non-compliance with our general landscape specification.

RESULTS OF ANALYSIS

Particle Size Analysis and Stone Content

The sample fell into the *clay loam* texture class, which is usually considered suitable for general landscape applications provided the soil's physical condition is satisfactory.

Such soils usually have good water and nutrient retention capacities, but they are also prone to structural degradation and compaction during handling, and especially when plastic in consistency. Any damage to the structural condition of this soil is likely to reduce its drainage and aeration properties.

The sample was virtually stone-free and, as such, stones should not restrict the use of the soil for general landscape purposes.

pH and Electrical Conductivity Values

The sample was alkaline in reaction (pH 7.7), with a pH value that would be suitable for general landscape purposes provided species with a wide pH tolerance or those known to prefer alkaline, calcareous soils are selected.

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

The electrical conductivity value by $CaSO_4$ extract (*BS3882* requirement) fell below the maximum specified value (3300 µS/cm) given in *BS3882:2015 – Table 1*.

Organic Matter and Fertility Status

The sample was adequate to well supplied with organic matter and all major plant nutrients.

The C:N ratio of the sample was acceptable for general landscape purposes.

British Sugar TOPSOIL

Potential Contaminants

With reference to *BS3882:2015* – Table 1: Notes 3 and 4, there is a requirement to confirm levels of potential contaminants in relation to the topsoil's proposed end use. This includes human health, environmental protection and metals considered toxic to plants. In the absence of site-specific criteria, the concentrations that affect human health have been compared with the *residential with homegrown produce* land use in 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). The concentration of barium has been compared with the *residential* land use given in the document *EIC/AGS/CL:AIRE Soil Generic Assessment Criteria for Human Health Risk Assessment* (2010).

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 *BS3882:2015 – Table 1*.

CONCLUSION

The purpose of the analysis was to determine the suitability of the LANDSCAPE 20 TOPSOIL 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)*.

From the soil examination and laboratory analysis, the sample was described as an alkaline, non-saline, very calcareous *clay loam* with a moderately developed structure. The sample was virtually stone-free and contained sufficient reserves of organic matter and all major plant nutrients. Of the potential contaminants determined, none exceeded their respective guideline values.

To conclude, based on our findings, the topsoil represented by this sample would be considered suitable for general landscape purposes (trees, shrubs and amenity grass), provided species with a wide pH tolerance or those known to prefer alkaline, calcareous soils are selected and the physical condition of the soil is satisfactory.

The sample was also fully compliant with the requirements of the British Standard for Topsoil *(BS3882:2015 – Specification for Topsoil – Table 1, Multipurpose Topsoil).*

Soil Handling Recommendations

It is important to maintain the physical condition of the soil and avoid structural damage during all phases of soil handling (e.g. stockpiling, respreading, cultivating, planting, seeding or turfing). As a consequence, soil handling operations should be carried out when soil is sufficiently dry to be non-plastic (friable) in consistency.

It is important to ensure that the soil is not unnecessarily compacted by trampling or trafficking by site machinery, and soil handling should be stopped during and after heavy rainfall and not continued until the soil is friable in consistency. If the soil is structurally damaged and compacted at any stage during the course of soiling or landscaping works, it should be cultivated appropriately to relieve the compaction and to restore the soil's structure prior to any planting, turfing or seeding.

Further details on soil handling are provided in Annex A of *BS3882:2015.*

British Sugar TOPSOIL

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 sincerely

H.MacRae

C. Spears.

Harriet MacRae
BSc MSc
Soil Scientist

Ceri Spears
BSc MSc MISoilSci
Senior Associate

For & on behalf of Tim O'Hare Associates LLP

British Sugar TOPSOIL

Client:	**British Sugar plc Co-Products**
Client Ref:	**Wissington Landscape 20**
Job:	**Topsoil Analysis**
Date:	**11/07/2024**
Job Ref No:	**TOHA/24/1423/1/SS**

TIM O'HARE ASSOCIATES
SOIL & LANDSCAPE CONSULTANCY

Sample Reference			**Wi-L20-Jun 24**	
Clay (<0.002mm)	%	U	25	✓
Silt (0.002-0.063mm)	%	U	29	✓
Sand (0.063-2.0mm)	%	U	46	✓
Texture Class (UK Classification)	--	U	CL	--
Stones (2-20mm)	% DW	G	2	✓
Stones (20-50mm)	% DW	G	0	✓
Stones (>50mm)	% DW	G	0	✓
pH Value (1:2.5 water extract)	units	U	7.7	✓
Electrical Conductivity (1:2.5 water extract)	uS/cm	U	1157	✓
Electrical Conductivity (1:2 $CaSO_4$ extract)	uS/cm	U	2771	✓
Exchangeable Sodium Percentage	%	U	5.1	--
Moisture Content	%	U	18	--
Organic Matter (LOI)	%	U	8.0	✓
Total Nitrogen (Dumas)	%	U	0.34	✓
C : N Ratio		U	14	✓
Extractable Phosphorus	mg/l	U	111	✓
Extractable Potassium	mg/l	U	935	✓
Extractable Magnesium	mg/l	U	99	✓
Total Arsenic (As)	mg/kg	M	16	✓
Total Barium (Ba)	mg/kg	M	55	✓
Total Beryllium (Be)	mg/kg	M	0.95	✓
Total Cadmium (Cd)	mg/kg	M	< 0.2	✓
Total Chromium (Cr)	mg/kg	M	40	✓
Hexavalent Chromium (Cr VI)	mg/kg	M	< 1.8	✓
Total Copper (Cu)	mg/kg	M	16	✓
Total Lead (Pb)	mg/kg	M	25	✓
Total Mercury (Hg)	mg/kg	M	< 0.3	✓
Total Nickel (Ni)	mg/kg	M	26	✓
Total Selenium (Se)	mg/kg	M	< 1.0	✓
Total Vanadium (V)	mg/kg	M	93	✓
Total Zinc (Zn)	mg/kg	M	74	✓
Water Soluble Boron (B)	mg/kg	M	2.9	✓
Total Cyanide (CN)	mg/kg	M	< 1.0	✓
Total (mono) Phenols	mg/kg	M	< 1.0	✓
Naphthalene	mg/kg	M	< 0.05	✓
Acenaphthylene	mg/kg	M	< 0.05	✓
Acenaphthene	mg/kg	M	< 0.05	✓
Fluorene	mg/kg	M	< 0.05	✓
Phenanthrene	mg/kg	M	0.06	✓
Anthracene	mg/kg	M	< 0.05	✓
Fluoranthene	mg/kg	M	0.12	✓
Pyrene	mg/kg	M	0.09	✓
Benzo(a)anthracene	mg/kg	M	0.07	✓
Chrysene	mg/kg	M	< 0.05	✓
Benzo(b)fluoranthene	mg/kg	M	0.13	✓
Benzo(k)fluoranthene	mg/kg	M	0.05	✓
Benzo(a)pyrene	mg/kg	M	0.07	✓
Indeno(1,2,3-cd)pyrene	mg/kg	M	0.06	✓
Dibenzo(a,h)anthracene	mg/kg	M	< 0.05	✓
Benzo(g,h,i)perylene	mg/kg	M	< 0.05	✓
Total PAHs (sum USEPA16)	mg/kg	M	< 0.80	✓
Aliphatic TPH (C5-C6)	mg/kg	M	< 0.020	✓
Aliphatic TPH (C6-C8)	mg/kg	M	< 0.020	✓
Aliphatic TPH (C8-C10)	mg/kg	M	< 0.050	✓
Aliphatic TPH (C10-C12)	mg/kg	M	< 1.0	✓
Aliphatic TPH (C12-C16)	mg/kg	M	< 2.0	✓
Aliphatic TPH (C16-C21)	mg/kg	M	< 8.0	✓
Aliphatic TPH (C21-C35)	mg/kg	M	< 8.0	✓
Aliphatic TPH (C5-C35)	mg/kg	M	< 10	✓
Aromatic TPH (C5-C7)	mg/kg	M	< 0.010	✓
Aromatic TPH (C7-C8)	mg/kg	M	< 0.010	✓
Aromatic TPH (C8-C10)	mg/kg	M	< 0.050	✓
Aromatic TPH (C10-C12)	mg/kg	M	< 1.0	✓
Aromatic TPH (C12-C16)	mg/kg	M	< 2.0	✓
Aromatic TPH (C16-C21)	mg/kg	M	< 10	✓
Aromatic TPH (C21-C35)	mg/kg	M	< 10	✓
Aromatic TPH (C5-C35)	mg/kg	M	< 10	✓
Benzene	mg/kg	M	< 0.005	✓
Toluene	mg/kg	M	< 0.005	✓
Ethylbenzene	mg/kg	M	< 0.005	✓
p & m-xylene	mg/kg	M	< 0.005	✓
o-xylene	mg/kg	M	< 0.005	✓
Asbestos	ND/D	I	Not-detected	✓

Visual Examination

The sample was described as a dark brown (Munsell Colour 7.5YR 3/2), dry, non-plastic, very calcareous CLAY LOAM with a weakly to moderately developed, fine granular structure. The sample was virtually stone-free, and no unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

✓	Meets General Landscape Specification
X	Fails General Landscape Specification
CL	CLAY LOAM Texture Class
M	MCERTS accredited method (& UKAS accredited method)
I	ISO 17025 accredited method
U	UKAS accredited method
G	GLP accredited method

This report presents the results of analysis for the sample submitted to our office, 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 British Sugar factory.

H.MacRae

Harriet MacRae
BSc MSc
Soil Scientist

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.

British Sugar TOPSOIL

APPENDIX D

Delivery Notes – P J Thory Ltd

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 514897 **Date:** 04/11/2024 **Customer Order No:** Steve

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVL **Cash Sale:** No

Time On Site 11:52:20 **Time Off Site** 12:02:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.12	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,320.00	12,200.00	19,120.00

From Customer: STUART BUTCHER **From Driver:** STUART BUTCHER

SAM

To Customer: Steve **To Driver:** STUART BUTCHER

STEVE

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 514896 **Date:** 04/11/2024 **Customer Order No:** Steve

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVL **Cash Sale:** No

Time On Site 10:50:07 **Time Off Site** 10:50:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.32	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,520.00	12,200.00	19,320.00

From Customer: STUART BUTCHER **From Driver:** STUART BUTCHER

SAM

To Customer: Steve **To Driver:** STUART BUTCHER

STEVE

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 514895 **Date:** 04/11/2024 **Customer Order No:** Steve

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVL **Cash Sale:** No

Time On Site 09:47:53 **Time Off Site** 09:54:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.60	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,800.00	12,200.00	19,600.00

From Customer: STUART BUTCHER **From Driver:** STUART BUTCHER

SAM

To Customer: Steve **To Driver:** STUART BUTCHER

STEVE

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 514894 **Date:** 04/11/2024 **Customer Order No:** Steve

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVL **Cash Sale:** No

Time On Site 08:51:03 **Time Off Site** 08:51:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.76	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,960.00	12,200.00	19,760.00

From Customer: STUART BUTCHER **From Driver:** STUART BUTCHER

SAM

To Customer: Steve **To Driver:** STUART BUTCHER

STEVE

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 514893 **Date:** 04/11/2024 **Customer Order No:** Steve

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVL **Cash Sale:** No

Time On Site 07:30:19 **Time Off Site** 07:51:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.40	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,600.00	12,200.00	19,400.00

From Customer: STUART BUTCHER **From Driver:** STUART BUTCHER

SAM

To Customer: Steve **To Driver:** STUART BUTCHER

STEVE

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 517183 **Date:** 08/11/2024 **Customer Order No:**

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVJ **Cash Sale:** No

Time On Site 13:34:58 **Time Off Site** 13:35:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.10	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,700.00	12,600.00	19,100.00

From Customer: MICHAEL BUTT **From Driver:** MICHAEL BUTT

To Customer: Steve **To Driver:** MICHAEL BUTT





PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 516207 **Date:** 07/11/2024 **Customer Order No:**

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVK **Cash Sale:** No

Time On Site 12:36:45 **Time Off Site** 12:43:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.24	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,540.00	12,300.00	19,240.00

From Customer: JOHN YOUNG **From Driver:** JOHN YOUNG

JOHN

To Customer: Steve **To Driver:** JOHN YOUNG

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 516206 **Date:** 07/11/2024 **Customer Order No:**

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVK **Cash Sale:** No

Time On Site 11:00:34 **Time Off Site** 11:01:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.00	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,300.00	12,300.00	19,000.00

From Customer: JOHN YOUNG **From Driver:** JOHN YOUNG

JOHN

To Customer: Steve **To Driver:** JOHN YOUNG

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 515836 **Date:** 06/11/2024 **Customer Order No:**

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KY19GOE **Cash Sale:** No

Time On Site 09:19:07 **Time Off Site** 09:19:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.46	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	31,860.00	12,400.00	19,460.00

From Customer: KARL MORETON **From Driver:** KARL MORETON

JOHN

To Customer: Nick **To Driver:** KARL MORETON

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

Material Ticket

P. J. THORY LTD

WHITEWALLS | ELDERNELL LANE | COATES | WHITTLESEY | PETERBOROUGH | PE7 2DD

TEL: 01733 840328
TEL: 01733 840882
WWW.PJTHORY.COM
PJ THORY LTD

Ticket No: 515835 **Date:** 05/11/2024 **Customer Order No:**

Account Address:
NEWBUIL
NEW BUILD & RENOVATIONS
306 UGGMERE COURT RD
RAMSEY HEIGHTS
HUNTINGDON
CAMBS, PE26 2RJ

Address:
NEW BUILD & RENOVATIONS
LAND ADJACENT TO
233 OILMILLS ROAD
RAMSEY MERESIDE
PE26 2UA

Vehicle: KU70 WVA **Cash Sale:** No

Time On Site 07:49:39 **Time Off Site** 07:50:00

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulations 12 of the waste (England and Wales) regulations 2011

Terms and conditions

- Placing vehicles on block paving, slabbed driveways, soft and unlevel ground is done so at the customers risk.
- P J Thory take no responsibility for damage to the customers premises if the ground or site is unsuitable for a HGV. Pj Thory will not accept damage caused to a manhole that are not capable for carrying the weight of a HGV.
- No electrical items including fridges/freezers, tyres, asbestos, gas bottles.
- Please see our website for the full list of terms and conditions.

Product:	EWC	Unit:	Qty:	Outlet:	Gross W:	Tare W:	Net W:
1BTS	17 05 04	KG	19.58	P.J.THORY YARD PRODUCT OUT P.J.THORY YARD ELDERNELL LANE COATES PE7 2DD PERMIT NO. EPR/FB320CA	32,180.00	12,600.00	19,580.00

From Customer: CHRIS BEDWORTH **From Driver:** CHRIS BEDWORTH

JOHN

To Customer: Steve Corney **To Driver:** CHRIS BEDWORTH

PJ Thory Ltd VAT Registration No: GB 294 1011 81 Waste Carriers/Brokers Registration: CB/DU87284 Issued by the Environmental Agency

APPENDIX E

Laboratory Results of Topsoil Provided by P J Thory Ltd

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Final Report

Report No.:	24-35747-1
Initial Date of Issue:	13-Nov-2024
Re-Issue Details:	
Client	P J Thory Ltd
Client Address:	White Walls Eldernell Coates Cambridgeshire PE7 2DD
Contact(s):	Chris O'Gorman
Project	Pretolia Chittering

Quotation No.:		**Date Received:**	04-Nov-2024
Order No.:		**Date Instructed:**	04-Nov-2024
No. of Samples:	3		
Turnaround (Wkdays):	5	**Results Due:**	08-Nov-2024
Date Approved:	12-Nov-2024	**Subcon Results Due:**	25-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: Pretolia Chittering

Client: P J Thory Ltd				**Chemtest Job No.:**		24-35747	24-35747	24-35747
Quotation No.:				**Chemtest Sample ID.:**		1889561	1889562	1889563
Order No.:				Client Sample Ref.:		1	2	3
				Sample Location:		Stockpile	Stockpile	Stockpile
				Sample Type:		SOIL	SOIL	SOIL
				Date Sampled:		31-Oct-2024	31-Oct-2024	31-Oct-2024
				Asbestos Lab:			DURHAM	NEW-ASB
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	17	22	
Stones and Removed Materials		N	2030	%	0.020		< 0.020	
Soil Colour		N	2040		N/A	Brown	Brown	
Other Material		N	2040		N/A	Stones	Stones	
Soil Texture		N	2040		N/A	Sand	Sand	
pH at 20C		M	2010		4.0		7.6	
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40		2.0	
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010		0.43	
Cyanide (Free)		M	2300	mg/kg	0.50		< 0.50	
Cyanide (Total)		M	2300	mg/kg	0.50		0.70	
Thiocyanate		M	2300	mg/kg	5.0		< 5.0	
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50		2.7	
Sulphate (Total)		U	2430	%	0.010		0.54	
Arsenic		M	2455	mg/kg	0.5		22	
Cadmium		M	2455	mg/kg	0.10		0.23	
Chromium		M	2455	mg/kg	0.5		32	
Copper		M	2455	mg/kg	0.50		29	
Mercury		M	2455	mg/kg	0.05		< 0.05	
Nickel		M	2455	mg/kg	0.50		24	
Lead		M	2455	mg/kg	0.50		21	
Selenium		M	2455	mg/kg	0.25		1.2	
Zinc		M	2455	mg/kg	0.50		60	
Chromium (Hexavalent)		N	2490	mg/kg	0.50		< 0.50	
Organic Matter		M	2625	%	0.40		14	
Total TPH >C5-C35		N	2670	mg/kg	10		< 10	
Naphthalene		M	2700	mg/kg	0.10		< 0.10	
Acenaphthylene		M	2700	mg/kg	0.10		< 0.10	
Acenaphthene		M	2700	mg/kg	0.10		< 0.10	
Fluorene		M	2700	mg/kg	0.10		< 0.10	
Phenanthrene		M	2700	mg/kg	0.10		< 0.10	
Anthracene		M	2700	mg/kg	0.10		< 0.10	
Fluoranthene		M	2700	mg/kg	0.10		0.19	
Pyrene		M	2700	mg/kg	0.10		0.29	
Benzo[a]anthracene		M	2700	mg/kg	0.10		2.5	
Chrysene		M	2700	mg/kg	0.10		1.7	
Benzo[b]fluoranthene		M	2700	mg/kg	0.10		0.19	

Results - Soil

Project: Pretolia Chittering

Client: P J Thory Ltd				**Chemtest Job No.:**		24-35747	24-35747	24-35747
Quotation No.:				**Chemtest Sample ID.:**		1889561	1889562	1889563
Order No.:				Client Sample Ref.:		1	2	3
				Sample Location:		Stockpile	Stockpile	Stockpile
				Sample Type:		SOIL	SOIL	SOIL
				Date Sampled:		31-Oct-2024	31-Oct-2024	31-Oct-2024
				Asbestos Lab:			DURHAM	NEW-ASB
Determinand	**HWOL Code**	**Accred.**	**SOP**	**Units**	**LOD**			
Benzo[k]fluoranthene		M	2700	mg/kg	0.10		0.99	
Benzo[a]pyrene		M	2700	mg/kg	0.10		0.17	
Indeno(1,2,3-c,d)Pyrene		M	2700	mg/kg	0.10		0.17	
Dibenz(a,h)Anthracene		M	2700	mg/kg	0.10		< 0.10	
Benzo[g,h,i]perylene		M	2700	mg/kg	0.10		0.95	
Total Of 16 PAH's		M	2700	mg/kg	2.0		7.2	
Total Phenols		M	2920	mg/kg	0.10		< 0.10	

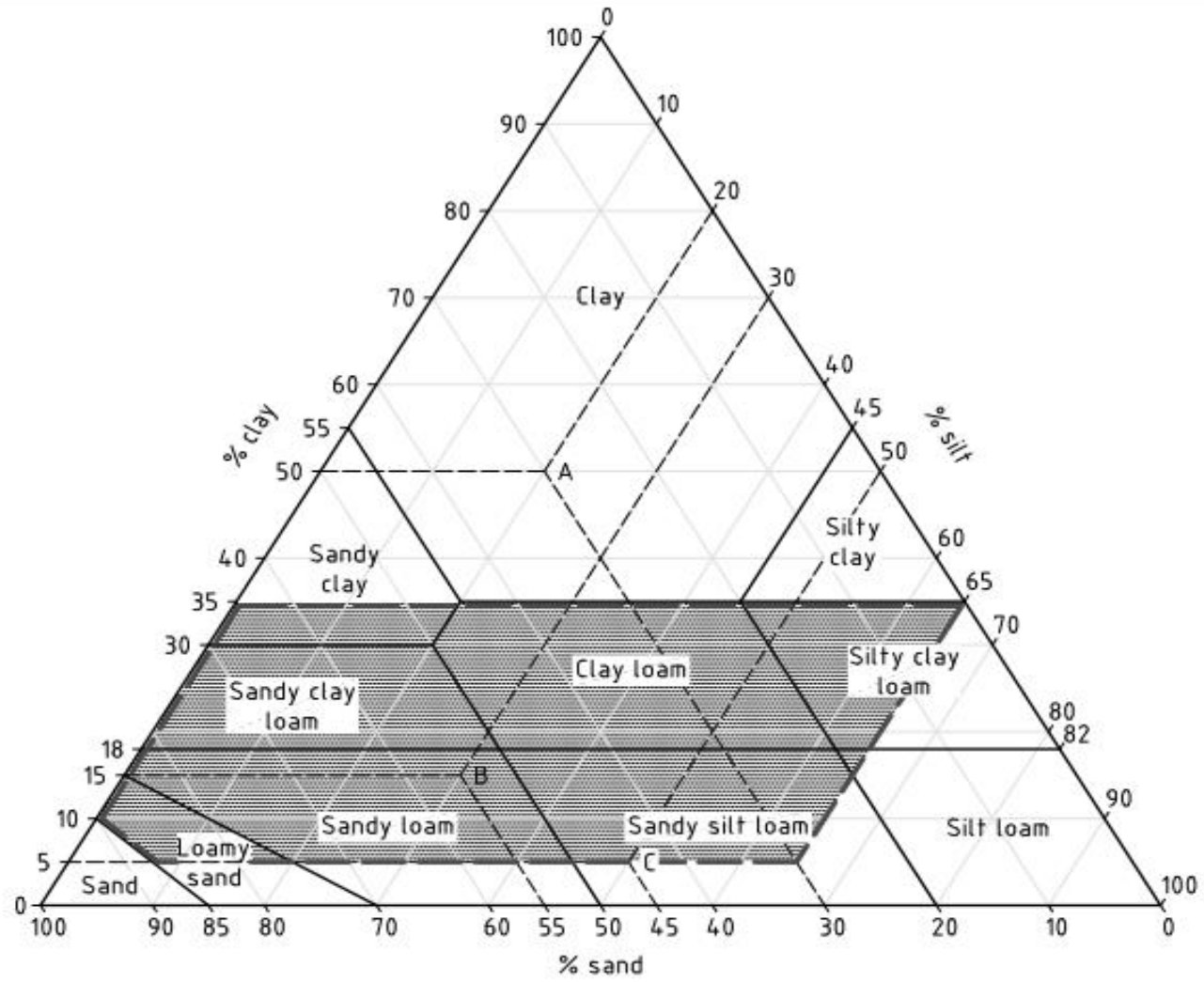
Results - Topsoil Report

BS3882:2015

Chemtest Job No.: 24-35747
Chemtest Sample ID.: 1889561
Client Sample Ref.: 1
Sample Location: Stockpile
Client Sample ID.:
Top Depth (m):
Bottom Depth (m):
Date Sampled: 31-Oct-2024
Time Sampled:

Parameter	Units	Multipurpose Range			Result	Compliant with Multipurpose Range? (Y/N)	Compliant with Specific Purpose Range? (Y/N)		
Texture							**Acid**	**Low F**	**Calc.**
Clay content (Sub Contracted)	%				20				
Silt content (Sub Contracted)	%				28				
Sand content (Sub Contracted)	%				52				
Soil texture class		See Attached Chart			Sandy Clay Loam	YES			
Mass Loss on Ignition									
Clay 5-20%		3.0-20			11	YES	YES	YES	YES
Clay 20-35%		5.0-20							
Stone Content	**% m/m**								
>2mm (Sub Contracted)		0-30			3.9	YES			
>20mm (Sub Contracted)		0-10			< 0.10	YES			
>50mm (Sub Contracted)		0			< 0.10	YES			
Soil pH value		5.5-8.5			7.7	YES	NO	YES	YES
Carbonate (Calcareous only)	%				6.0				YES
Electrical Conductivity	µS/cm	If >3300 do ESP			2500	YES			
Available Nutrient Content									
Nitrogen %		>0.15			0.64	YES	YES		YES
Extractable phosphorus	mg/l	16-140			17	YES	YES	YES	YES
Extractable potassium	mg/l	121-1500			99	NO	NO		NO
Extractable magnesium	mg/l	51-600			35	NO	NO		NO
Carbon : Nitrogen Ratio		<20:1			10.4/1	YES	YES	YES	YES
Exchangeable sodium	**%**	<15			0.89				
Available Calcium	mg/l				490				
Available Sodium	mg/l				6.1				
Phytotoxic Contaminants (by soil pH)		**< 6.0**	**6.0-7.0**	**> 7.0**					
Zinc (Nitric Acid extract)	mg/kg	<200	<200	<300	63	YES			
Copper (Nitric Acid extract)	mg/kg	<100	<135	<200	17	YES			
Nickel (Nitric Acid extract)	mg/kg	<60	<75	<110	27	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			

Topsoil: BS3882:2015
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.*

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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	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2260	Carbonate	Carbonate	Titration	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by ‘Aquakem 600’ Discrete Analyser, using N,N–dimethyl-p-phenylenediamine.	
2400	Cations	Cations	ICP-MS	
2420	Phosphate	Phosphate	Spectrophotometry - Discrete analyser	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
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.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by ‘Aquakem 600’ Discrete Analyser using 1,5-diphenylcarbazide.	
2620	LOI 440	LOI 440 Trommel Fines	Determination of the proportion by mass that is lost from a soil by ignition at 440°C.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; 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)	
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

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 ≤ 30°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

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