

Planning Department
Arun District Council
Maltravers Road
Littlehampton
West Sussex
BN17 5LF

30th November 2021

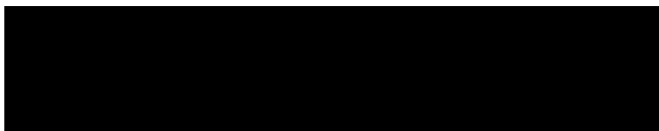
Dear Sir / Madam

Merry England Nursery, Dappers Lane, Angmering – Application Ref: A/142/16/OUT – Planning Portal Application PP10437092v1PTH

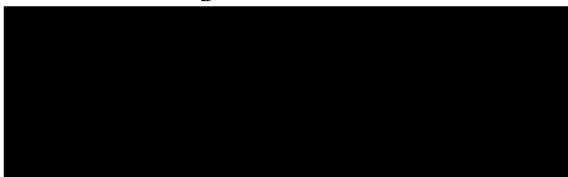
Further to the above site and the application for clearance of planning conditions made via the Planning Portal today, please note the attached Validation Report that was too large to submit electronically for Planning Condition No. 23.

Should you require any further information please do not hesitate to contact me on the number below.

Yours Sincerely

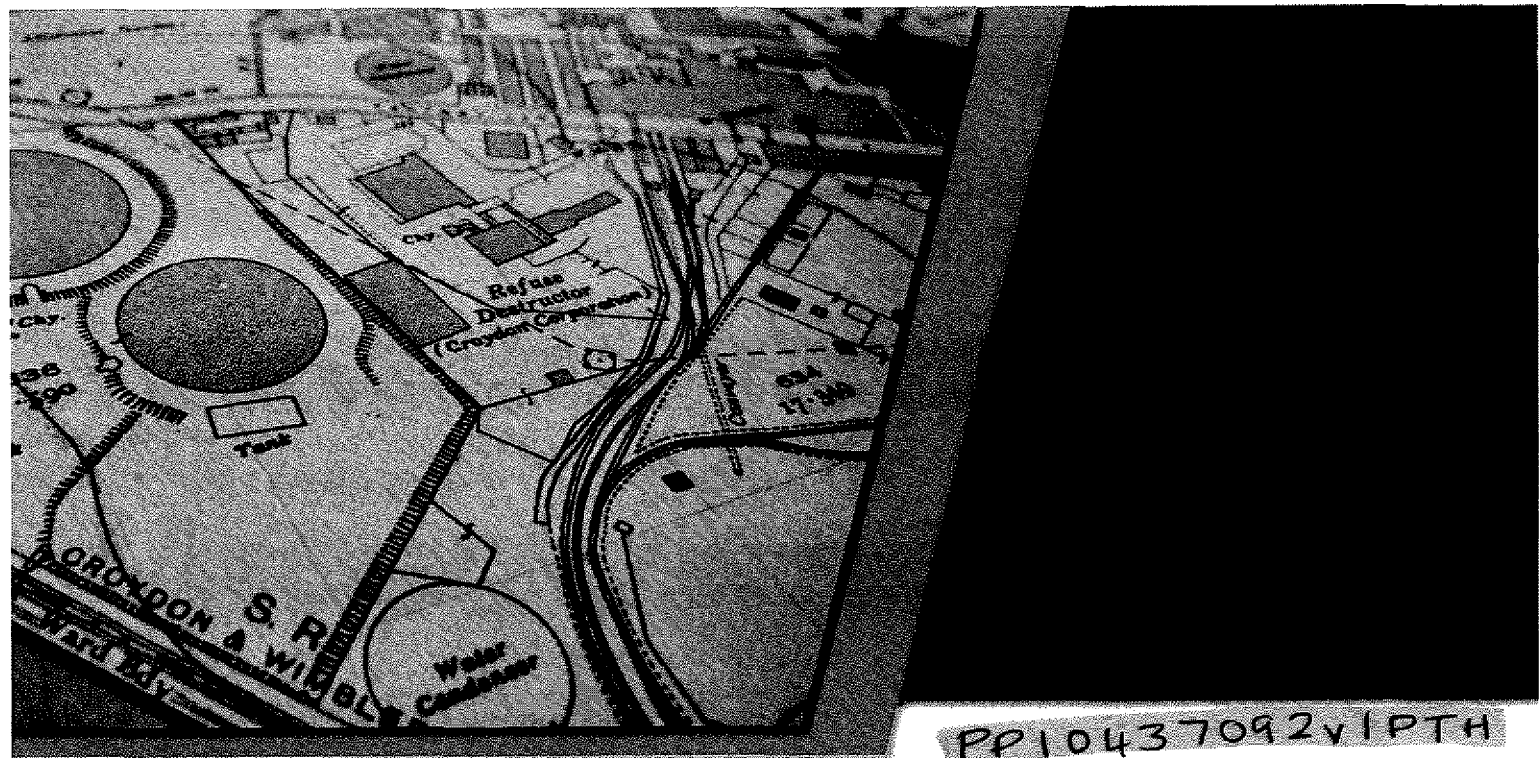


Glenn Gasson
Technical Manager



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Validation Report - Interim

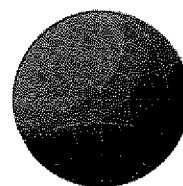
Project Reference: P21.158/VAL
Merry England, Dappers Lane

Arun District Council: A/132/19/DOC

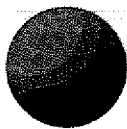
Prepared For

GD

CONCEPTS



IMPACT
GEOTECHNICAL



Report Approval

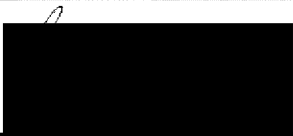
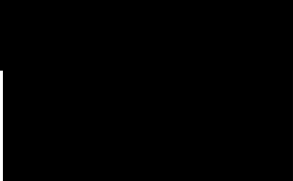
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Report Approved		Date
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Revision – Requested by	Nature of Revision	Date

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Trading Terms

Unless specifically stated within the tender/quotation or unless identified within the introduction to this report it is confirmed that this report has been compiled wholly in accord with Impact Geotechnical Ltd's terms of engagement. This report is provided for sole use by the Client and is confidential to them. No responsibility whatsoever for the contents of the report will be accepted to anyone other than the Client.

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Copyright of this report subsists with the originator. Prior written permission must be obtained for any third party to reproduce, store in a retrieval system or transmit in any form of by any means whatsoever, all or part of this report. The copyright of written materials supplied shall remain the property of Impact Geotechnical Ltd but with a royalty-free perpetual licence, granted to the Client on payment in full of any outstanding monies.

Context

This report is written in the context of an agreed scope of work between Impact Geotechnical Ltd and the Client and should not be used in a different context. In light of additional information becoming available, improved practices and changes in legislation amendment or re-interpretation of the report in whole or part may be necessary after its original submission.

Professional Interpretation

The recommendations made and opinions expressed in the report are based on the conditions revealed by the site works together with an assessment of the data from the insitu and laboratory testing or in respect of the desktop reports. No responsibility can be accepted for conditions that have not been revealed by the research, site works and testing.

The Client is advised that the conditions observed on site by Impact Geotechnical Ltd at the time of any site survey may be subject to change. Certain indicators of the presence of hazardous substances may have been latent at the time of the most recent site reconnaissance and they may subsequently have become evident. It is not possible to assess areas which are inaccessible or where access is not granted and IGL accept no liability for risks subsequently identified therein.

The Conceptual Site Model, Risk Assessment and sampling regime has been formulated in accordance with current UK guidance at time of production based upon the relevant information gained from Stage1, Stage 2 and Stage 3 Risk Assessments. While the model and assessment offer opinions and interpretations of these guidelines, the comments made are for guidance only and no liability can be accepted for their accuracy. It is possible that aspects of Geo-environmental reports may need to be altered following consultation with the statutory regulatory bodies to suit planning requirements.

Intrusive Field Operations

The data collected through direct operations in the production of this report has been so obtained, unless directly otherwise stated, in accordance with current UK guidance, law or accepted industry practice, including but not limited to: BS.5930: 1990 Code of Practice for Site Investigations (Amendment 3: 2015+A1:2020), & BS.10175: 2011 + A2: 2017 Investigations into Potentially Contaminated Sites. Exact exploratory locations will depend upon access conditions, site use and plant capability, IGL do not accept liability for issues arising from material identified between or outside of the area of exploratory locations.

Laboratory Testing

Unless stated otherwise within the text, all geotechnical and material laboratory tests have been performed in accordance with the relevant British Standard Documents. Laboratory testing for contaminated land assessment is completed under the UKAS / MCERTS accreditation schemes, unless identified as otherwise in the report.

Human Health Risk Assessment Criteria

The Environment Agency has undertaken revision of the Soil Guideline Values (SGVs) which are partially complete. Where standards are available using the "new" approach, these have been utilised for correlative purposes. Where standards have not yet been revised, guidance following the "old" approach has been utilised. Please note that upon release of the remaining guidelines, the standards contained within this report may be subject to change. In addition, the second edition of the LQM CIEH guidance has now been released and will be utilised in favour of previously published guideline values.

Third Parties

The findings and opinions conveyed in this report are based on information obtained from a variety of sources, including that from previous Site investigations and chemical testing laboratories. IGL has assumed that such information is correct. IGL cannot and does not guarantee the authenticity or reliability of the information it has relied upon and can accept no responsibility for inaccuracies with the data supplied by other parties.

The accuracy of the historical map extracts supplied cannot be guaranteed and it should be noted that different conditions may have existed between mapping sheet editions. Therefore, there can be no certainty that all areas of contamination have been identified during the Stage 1: Tier 1 Preliminary Risk Assessment.

Definitions

Reference to the word "contamination" in this report does not relate to the statutory definition of contaminated land under 1990 Environmental Protection Act unless otherwise stated. The definition used in this report is: "Land that contains substances that, when present in sufficient quantities or concentrations, are likely to cause harm, directly or indirectly, to man, to the environment, or on occasion to other targets" (NATO CCMS, 1985).

1. INTRODUCTION

1.1 Brief

Impact Geotechnical Ltd (IGL) were instructed by GD Concepts (the Client) to monitor Validation Works and produce a Validation Report in support of the discharge of contaminated land related conditions at the former Merry England Nurseries (now Swallows Gate), Dappers Lane, Angmering, BN16 4EN (hereafter referred to as the "site").

This report follows a Remediation Strategy and Verification Plan for the site completed by IGL (Ref: P19.117/RMS, dated: March 2020), which provided details on necessary remedial actions. The above referenced document should be read in conjunction with this report for completeness. In addition, a number of previous reports (summarised in Section 3) have been issued in relation to the site.

At the time of this documents production, the site was in the final stages of redevelopment with finishing touches and soft-landscaping left to be completed. Redevelopment comprised the following:

- Eighteen 2 to 4-bed residential premises, inclusive of;
- Private gardens, garages and driveways; and
- New access roadways/pavements adjoining Dappers Lane to the site.

Development plans are included as Appendix A.

1.2 Planning Conditions

This Validation Report pertains to Arun District Council (ADC) planning reference: A/132/19/DOC, specifically Condition 21, Section 4:

"A verification plan providing details of the data that will be collected in order to demonstrate that the works set out in the Remediation Strategy are complete and identifying any requirements for longer-term monitoring of pollutant linkages, maintenance and arrangements for contingency action."

1.3 Site History

The site originally (i.e. prior to the above redevelopment) comprised a residential property, horse stables and some light-industrial buildings, as well as a nursery.

1.4 Report Conditions and Limitations

This report is produced solely for the benefit of GD Concepts and no liability is accepted for any reliance placed on it by any other part unless specifically agreed in writing otherwise. A significant proportion of the data has been supplied in good faith by GD Concepts or Third Parties for collation into this report. This report only pertains to those areas investigated and reviewed by IGL. IGL takes no responsibility for areas outside of this scope.

No commentary has been made regarding the suitability of soils for landscaping purposes; this is expected to be the responsibility of the associated Landscaping Engineer (or similar). The responsibility of waste soil removal is the duty of care of the waste producer (in this case GD Concepts), and whilst IGL can advise on the correct procedure, due diligence must be followed by the waste producer in accordance with relevant guidance (i.e. WM3).



2. PHYSICAL SETTING

2.1 Geology and Hydrogeology

The table below identifies the expected composition of the published strata and the associated aquifer classification.

Superficial / Drift Geology	
Unit Name	Head Deposits
Geology Description	Poorly sorted and poorly stratified, angular rock debris and/or clayey hillwash and soil creep, mantling a hillslope and deposited by solifluction and gelifluction processes
Aquifer Class	Secondary (Undifferentiated) Aquifer
Aquifer Description	Aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type. These have only a minor value.
Bedrock / Solid Geology	
Unit Name	London Clay Formation
Geology Description	Heavy clays and weak mudstones, variability silty and sandy, particularly at the top and base of the succession
Aquifer Class	Unproductive Strata
Aquifer Description	Unable to provide usable water supplies and are unlikely to have surface water and wetland ecosystems dependent on them

Table 2.1: Geology and Hydrogeology

3. SUMMARY OF PREVIOUS REPORTS

IGL have undertaken a review of previous reports, summarised below in chronological order. The reader is referred to the following documents for further information regarding their contents.

3.1 Phase 1: Environmental Risk Assessment (2019)

A Phase 1: Environmental Risk Assessment was produced by IGL (Ref: P19.117/ERA) in relation to the study site. The report included a review of historical maps and environmental records, as well as site reconnaissance, in order to perform a Conceptual Site Model and Risk Assessment.

A number of potential sources of contamination were identified as summarised in the table below.

Location	Source No.	Details
On site	1	Use of lubricant oils and inspection pit area of shed building for equipment repairs. Contaminants of concern include Heavy metals and Hydrocarbons.
	2	The potential for Made Ground onsite, including areas of former development and those areas which have been subject to tipping of discarded materials including metals, gas bottles, masonry rubble and asbestos containing materials. Contaminants of concern include Heavy metals and Hydrocarbons and asbestos.
	3	Historical use of the site as a nursery. Contaminants of concern include heavy metals and pesticides.
Off site	4	Off-site builders' yard. Potential contaminants of concern include heavy metals, hydrocarbons, asbestos.

Table 3.1: Preliminary Sources

The most significant Source-Pathway-Receptor linkages identified within the Phase 1 was to future residential end users from exposure to Made Ground soils, and the previous use and storage of oils and lubricants and the historical use of the site as a commercial nursery / glasshouse. These were considered to present a **Moderate** potential risk; defined as the site may not be suitable for the present or future use and environmental setting. Contaminants are probably present and might have unacceptable impact on key targets.

In light of these risks, an intrusive investigation was recommended in conjunction with soil sampling/analysis. The purposes of this investigation was to quantify the potential pollutant linkages.

3.2 Phase 2: Site Investigation Report (2019)

A Phase 2: Site Investigation Report was produced by IGL (P19.117/SIR) at the site. The purposes of this document was to undertake an intrusive investigation in order to refine the potential pollutant linkages identified within the Preliminary Conceptual Site Model and Risk Assessment.

3.2.1. Fieldworks

The intrusive works were conducted during August 2019 and in summary comprised the following: Nine windowless sample boreholes, eight trial pits and associated in-situ testing. Soil samples were taken for respective laboratory analysis.



3.2.2. Ground Conditions

The following table summarises the ground conditions encountered during the intrusive works.

Stratum	Depth Encountered	Range	Detail Description
Made Ground	GL – max.0.25m		Variable material generally described as either gravelly Silt / Clay or gravelly Sand; detritus described as terracotta, brick, plastic and glass.
Topsoil	GL – max. 0.30m		Discernable across most exploratory locations, below a surface of grass, the initial soils across the majority of exploratory hole locations were described as Sand or Silt Topsoil, locally with flint gravels.
Sandy SILT / Silty SAND (Head Deposit)	GL-0.30m to 0.60-2.30m		Generally described as stiff to very stiff / compact light brown sandy Silt or silty Sand. Locally with flint gravels and becoming gravelly toward the base of the stratum.
Gravelly CLAY (Head Deposit)	0.60-0.95m to 1.80-3.00m		Encountered as a firm to stiff and locally stiff consistency material, described as brown slightly sandy to sandy, slightly gravelly to gravelly Clay.
Clayey Gravel (Head Deposit)	0.60-3.00m to 2.40->5.00m		Encountered as dense and locally very dense brown speckled grey clayey Gravel of flint.
Silty Clay (London Clay Formation)	2.40-3.90m to >5.00m		Encountered as stiff and locally very stiff consistency brown, becoming grey silty Clay. Locally encountered as thinly laminated and closely fissured.

Table 3.2: Ground Conditions

Groundwater was encountered at depths at circa 1.50mbgl.

3.2.3. Geo-Environmental Analysis

Fourteen soil samples, obtained from depths ranging between 0.05 and 3.00mbgl, were submitted to a UKAS and MCERTS accredited laboratory testing facility for a contamination screen from both Made Ground and natural soils. The results of the laboratory analysis were compared to published screening criteria (using a 'Residential with homegrown produce setting'), including Suitable 4 Use Levels (S4ULs) Generic Assessment Criteria (GAC).

Exceedances of the screening criteria were recorded for arsenic and several TPH congeners associated with Diesel range hydrocarbons, exclusive to one sample – WS4 at 2.20mbgl. This sample was noted to exhibit a moderate hydrocarbon odour and black/grey staining.

There were no other exceedances of the relevant screening criteria for any of the remaining determinands from all tested soil samples.

Asbestos was not identified within any of the samples submitted for an asbestos screen.

Given the history of the site, it was considered likely the TPH exceedances are as a result of heating oil or plant spillages within the historical greenhouses / central roadway.

3.2.4. Refined Conceptual Site Model

A refined CSM was produced based on information obtained as part of intrusive works; the subsequent risk assessment is included below.

Source	Pathway	Receptor	Likelihood	Potential Risk
Exceedances of Arsenic and TPH GAC values associated with staining and odour in WS4 at 2.20m	Inhalation, ingestion and dermal contact from exposure to contaminated soils.	End Users	Very Unlikely	Negligible
		Site workers (during development)	Possible	Low
	Impacted Soils.	Services	Very Unlikely	Low
	Volatilisation of hydrocarbons in underlying soils and groundwater to indoor and/or outdoor air.	End users and proposed development	Unlikely	Negligible
		Site workers (during development)	Possible	Negligible
	Infiltration and migration of contaminants through the underlying geology.	Underlying aquifers	Likely	Low
		Ditch at western elevation (Surface Water)	Very Unlikely	Negligible
	Infiltration and migration of contaminants through the underlying geology.	Underlying aquifers	Likely	Negligible
Discussion of Risks				
<p>The end-user and future services are very unlikely to come into contact with this material at a depth of 2.20mbgl, however a watching brief should be maintained to ensure that similar contamination is not identified at a shallower level. Additionally, the levels would be acceptable on a residential site without private gardens.</p> <p>The small quantity / thickness of this contamination encountered currently is also considered to reduce the risk to site workers and the risk posed by volatilisation of hydrocarbons to a very low level.</p> <p>Again, the limited extent of this material reduces the risk to controlled waters, which is further reduced by the relatively low sensitivity of the aquifer.</p>				
Mitigation Required				
Conduct watching brief during ground works in this central portion of the site, with any evidence of further contamination reported to an environmental consultant for further investigations and risk assessments as required. Use of appropriate toolbox talks, wash and mess facilities and PPE to protect site workers.				
Negligible Risk	Defined as: the site should be considered suitable for the present or future use and environmental setting. Contaminants unlikely to be present, which might have unacceptable impact on key targets.			
Low Risk	Defined as the site should be considered suitable for the present or future use and environmental setting. Contaminants may be present but unlikely to have unacceptable impact on key targets.			
Moderate Risk	Defined as the site may not be suitable for the present or future use and environmental setting. Contaminants are probably present and might have unacceptable impact on key targets.			
High Risk	Defined as the site is probably or certainly not suitable for the present or future use and environmental setting. Contaminants are probably or certainly present and likely to have unacceptable impact on key targets.			

4. OUTLINE OF REMEDIAL WORKS

Whilst generally **Low** risks were identified following the formulation of the refined Conceptual Site Model and Risk Assessment, correspondence between the Client and Lisa Coney, a Senior Planning Officer at Arun District Council, concluded that a Remediation Strategy and a Validation/Verification exercise would be required.

The purposes of this was for due diligence, to ensure that validation of soils within proposed private gardens is undertaken to ensure suitability for use, as well as ensuring that a Watching Brief and Discovery Strategy is carried out correctly.

Consequently, IGL produced a Phase 3: Remediation Strategy and Verification Plan (Ref: P19.117/RMS, dated March 2020), which has been briefly summarised in the following report sections.

Relevant pollutant linkages (RPLs) were generally considered to pose a minor risk; primarily relating to material which may not be encountered during the development work, and future residential end users, or realistically be accessible to potable water supply pipework (>2.00mbgl).

Consequently, it was recommended that future remedial works were principally for the purposes of due diligence during the construction programme. Where natural soils are to be removed from pavements and building footprints, consideration should be given to their re-use within soft landscaped areas.

4.1 Plausible Remedial Options

As detailed within the Phase 2: Site Investigation, IGL recommended the following for proposed areas of soft landscaping:

On the basis of the investigation logs and chemical testing the majority of the site was considered likely to be suitable for use as private gardens. Made Ground comprising reworked topsoil should be subject to inspection by a landscape architect to ascertain whether they are suitable as a growing medium on the basis of detritus such as glass, terracotta, masonry. Where these soils are unsuitable, they should be removed and replaced with suitable subsoil / topsoil, allowing a minimum surface thickness of 150mm clean, certified topsoil to be established. The remaining depth should be made up by clean, certified subsoil.

Made Ground soils, particularly where buildings have been present, are unlikely to be suitable for use as topsoil. These should be removed and replaced with suitable subsoil / topsoil, allowing a minimum surface thickness of 150mm clean, certified topsoil to be established. The remaining depth should be made up by clean, certified subsoil.

Areas of previous foundations as well as the vehicle inspection pit may require deeper filling where ground slabs have been removed. In these areas it would be considered suitable to fill with engineering grade material such as compacted type 1 / type 2 to a depth of 600mm below finished level with the remaining depth taken up by 450mm clean certified subsoil and 150mm clean certified topsoil.

5. VALIDATION OF REMEDIAL WORKS

The following report section summarises works and site visits carried out as part of the Validation Works. Works are summarised in chronological order, with additional items to the rear.

5.1 5th May 2021 – Validation Sampling of Plots

IGL attended the site on 5th May 2021, as per instruction of the Client, to undertake validation sampling of the proposed gardens at the following plots:

- Plot 2
- Plot 3
- Plot 4
- Plot 5
- Plot 6
- Plot 7
- Plot 8
- Plot 9
- Plot 10
- Plot 11

The purpose of the validation sampling was to verify that the material used within the proposed gardens was suitable for a residential setting. Respective soil laboratory samples were taken for a generic contamination screen. A location plan detailing locations of validation sampling points is included as Appendix B.

5.1.1. Verification

Seven soil samples of the soft-landscaping within the gardens at depths ranging 0.20m to 0.50mbgl were submitted for a contamination screen. The suite included generic contaminants comprising heavy metals, Total Petrol Hydrocarbons and Polycyclic Aromatic Hydrocarbons, in addition to an asbestos screen. Laboratory results are included as Appendix C.

The samples were taken at depths within a range that residential end users are likely to come into contact with, and therefore targeting the sensitive receptor.

For assessment purposes, the laboratory results have been compared to the screening criteria utilised within the Phase 2 element of works.

Following analysis, bundles of chrysotile asbestos were identified within the following samples:



- TP5 at 0.20mbgl (Plot 9) – Moreover, suspected Asbestos Containing Material (ACM) was encountered.
- TP8 at 0.30mbgl (Plot 10)
- TP9 at 0.50mbgl (Plot 6)

There were no exceedances of the relevant screening criteria from any of the remaining determinands from all tested soil samples.

The material from of each of these three samples was described as the following, with the respective trial pit logs included as Appendix D.

- TP5 at 0.20mbgl - MADE GROUND: Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick. Rare wood. Suspected ACM.
- TP8 at 0.30mbgl - MADE GROUND: Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete, stone and metal.
- TP9 at 0.50mbgl - MADE GROUND: Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick.

5.1.2. *Observations and Commentary*

The material encountered, sampled and analysed against a contamination screen within Plot 9, Plot 10 and Plot 6 was deemed to be unsuitable for residential use, particularly within private gardens. This was as a result of the encountered asbestos.

IGL advised that the soils (i.e. Made Ground) within the following gardens be completely removed and replaced with suitable and certified material:

- Plot 5 – Front garden
- Plot 6 – Front garden
- Plot 9 – Both front and rear garden
- Plot 10 – Front garden

It is thought poor site management and material storage was responsible for the asbestos within the garden sub-soil; as evidenced by the concrete, metal and brick within these soils likely from demolition rubble. Conversely, this unsolicited material may have been imported to site as a fill during wetter/winter months. The Client has yet to provide information as to how this unsuitable material occurred in these gardens.

5.2 22nd June 2021 – Eurogreen Environmental Ltd Topsoil Testing

The Client instructed IGL to attend site and undertake soil sampling of imported topsoil. The topsoil was imported to site on 22nd June 2021, provided by Eurogreen Environmental Ltd (Eurogreen).

One sample was taken from the imported topsoil material and submitted to a UKAS and MCERTS accredited laboratory testing facility. The sample was submitted for analysis against a contamination screen, which includes heavy metals, TPH, BTEX, MTBE, PAH, as well as a background suite of pH, SOM, total cyanide, total phenols organic phosphorous, and an asbestos screen. Moreover, the sample was submitted for a BS:3882 Topsoil Suite to determine which topsoil compliance range the material conforms to. The laboratory certificates are included as Appendix C.

The sample were screened against the relevant screening criteria utilising a 'Residential with Homegrown Produce' land use setting.

Following analysis of the laboratory results there were no exceedances of the relevant screening criteria for any of the tested determinands from the tested soil sample. The tested soil was categorised as 'Multipurpose topsoil' with respect to BS:3882 *Specification for topsoil*, following analysis.

5.3 9th July 2021 – Validation Sampling of Plots

IGL attended the site on 9th July 2021 to further undertaken validation sampling of the proposed gardens at the following plots:

- Plot 12
- Plot 13
- Plot 14
- Plot 15
- Plot 16

The purpose of the validation sampling was to verify that the material used within the garden plots was suitable for a residential setting. Respective soil laboratory samples were taken for a generic contamination screen. A location plan detailing locations of validation sampling points is included as Appendix B.

5.3.1. Verification

Five soil samples of the soft-landscaping within the gardens at depths ranging 0.10m to 0.40mbgl were submitted for a contamination screen. The suite included generic contaminants comprising heavy metals, Total Petrol Hydrocarbons and Polycyclic Aromatic Hydrocarbons, in addition to an asbestos screen. Laboratory results are included as Appendix C.

The samples were taken at depths within a range that residential end users are likely to come into contact with, and therefore targeting the sensitive receptor.



For assessment purposes, the laboratory results were compared to the screening criteria utilised within the Phase 2 element of works.

There were no exceedances of the relevant screening criteria for any of the determinands from all tested soil samples.

5.3.2. Observations and Commentary

The soils encountered within the aforementioned plots (i.e. Plots 12-16) contained notably less anthropogenic material (i.e. brick, concrete etc.) compared to those soils identified during the validation exercise of 5th May 2021 within Plots 2-11.

It was therefore considered that the material within Plots 12-16 was suitable for use from a human health perspective with respect to generic contamination levels. IGL advised that suitable topsoil was used where necessary to raise levels, if needed.

5.4 August 2012 – Review of Southern Testing – Topsoil Analysis – Heatherlea Site

The client required advice from IGL regarding the suitability of material at a separate site in Heatherlea, Heathfield. The purpose was to determine whether this material could be used at the study site. Southern Testing Laboratories Limited (Southern Testing) produced a document (Ref: PJS/GS/LF/J14848) pertaining to laboratory analysis of a stockpile at Heatherlea; this document is included as Appendix E.

The results of Southern Testing soil analysis were deemed to be below the respective assessment residential screening criteria for the study site. Moreover, the description of the material is consistent with a generic description of topsoil.

In light of the above, the material tested by Southern Testing was considered suitable for residential use on the site. It was suggested to the Client that this material be moved to site using a U1 waste exemption licence assuming acceptance by relevant bodies, and a limit of 1,000 tonnes is transferred.

5.4.1. Recommendations

It was recommended that if the material from Heatherlea is imported to site then this be tested as per the requirements of the Remediation Strategy and Verification Plan (Ref: P19.117/RMS).

5.5 12th October 2021 – Topsoil Testing

Material from the aforementioned Heatherlea site was imported to site around 9th-11th October 2021. A total of 90m³ was imported, separated into two stockpiles (Stockpile #1 and Stockpile #2).

The Client instructed IGL to attend site and sample the imported material to ensure the suitability for use within the private gardens, with respect to human health. A total of two soil samples were taken, mindful of the testing frequency of imported soils outlined within Remediation Strategy and Verification Plan (Ref: P19.117/RMS).

The material within the two stockpiles was considered mostly homogeneous, described as a dark brown slightly sandy Clay/Silt with occasional roots and rootlets and some gravel of flint.

The two samples from each respective stockpile (i.e. Stockpile #1 and Stockpile #2) were submitted to a UKAS and MCERTS accredited laboratory testing facility, for a screen of contamination testing. The contamination suite mirrored that outlined within the Remediation Strategy and Verification Plan (Ref: P19.117/RMS).

Results were compared to 'Residential with homegrown produce' screening criteria in order to provide proper assessment. Following analysis there were no exceedances of the screening criteria for any of the tested determinands from both soil samples. Moreover, asbestos was not detected.

IGL confirmed that the material is suitable for the proposed gardens, with respect to human health screening criteria.

5.5.1 Commentary

Soil from the Heatherlea site was principally used within the gardens of Plots 15, 16, 17 and 18, as well as to raise levels elsewhere as needed

5.6 Potable Water Supply Pipes

At the time of IGL's first (May 2021) the potable water supply pipes appeared to already have been laid within trenches through corrugated pipe.

It is understood that the Client was in correspondence with the local water authority regarding the suitable pipe material for the site. Ultimately, the risk to potable water pipes was generally considered to be **Low** within the Conceptual Site Model and Risk Assessment (P19.117/SIR).

5.7 Validation Photos

Photos of the validation works along with general site photos are provided within Appendix I. These include photos taken by IGL, in addition to those provided in good faith by GD Concepts. These include photographs of the validation pits, site scrape, material management and recorded thicknesses of topsoil within the respective plots.



6. ON-GOING VALIDATION

6.1 Plot 1

Plot 1 is the final plot that requires validation. At the time of this reports issue, Plot 1 was being used as the site compound/offices before final finishing touches.

7. CONCLUSIONS

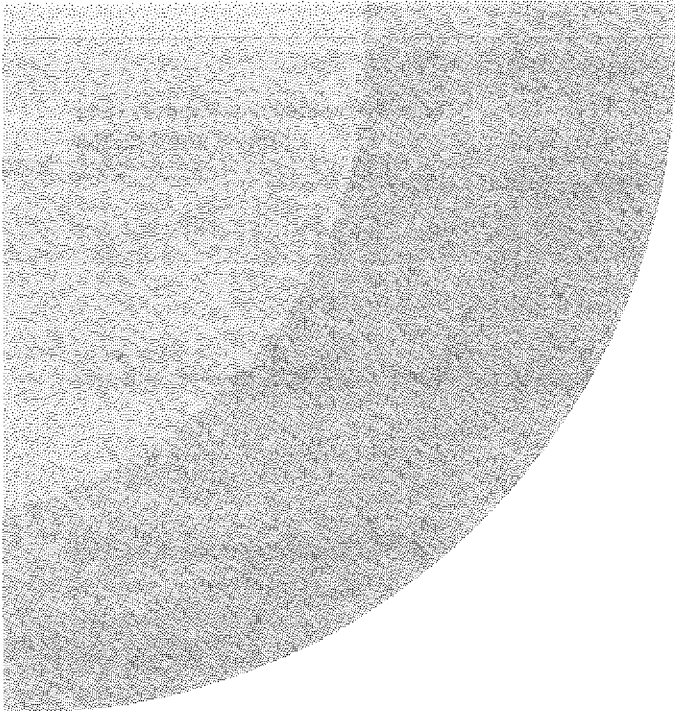
The works to date within all plots (with the exception of Plot 1) have been undertaken by GD Concepts, with partial supervision by IGL, mindful of the remedial objectives.

The environmental risks to all receptors (including human health) were considered to be **Low** before the commencement of any development works, in accordance with the Conceptual Site Model outlined within the Phase 2 Report.

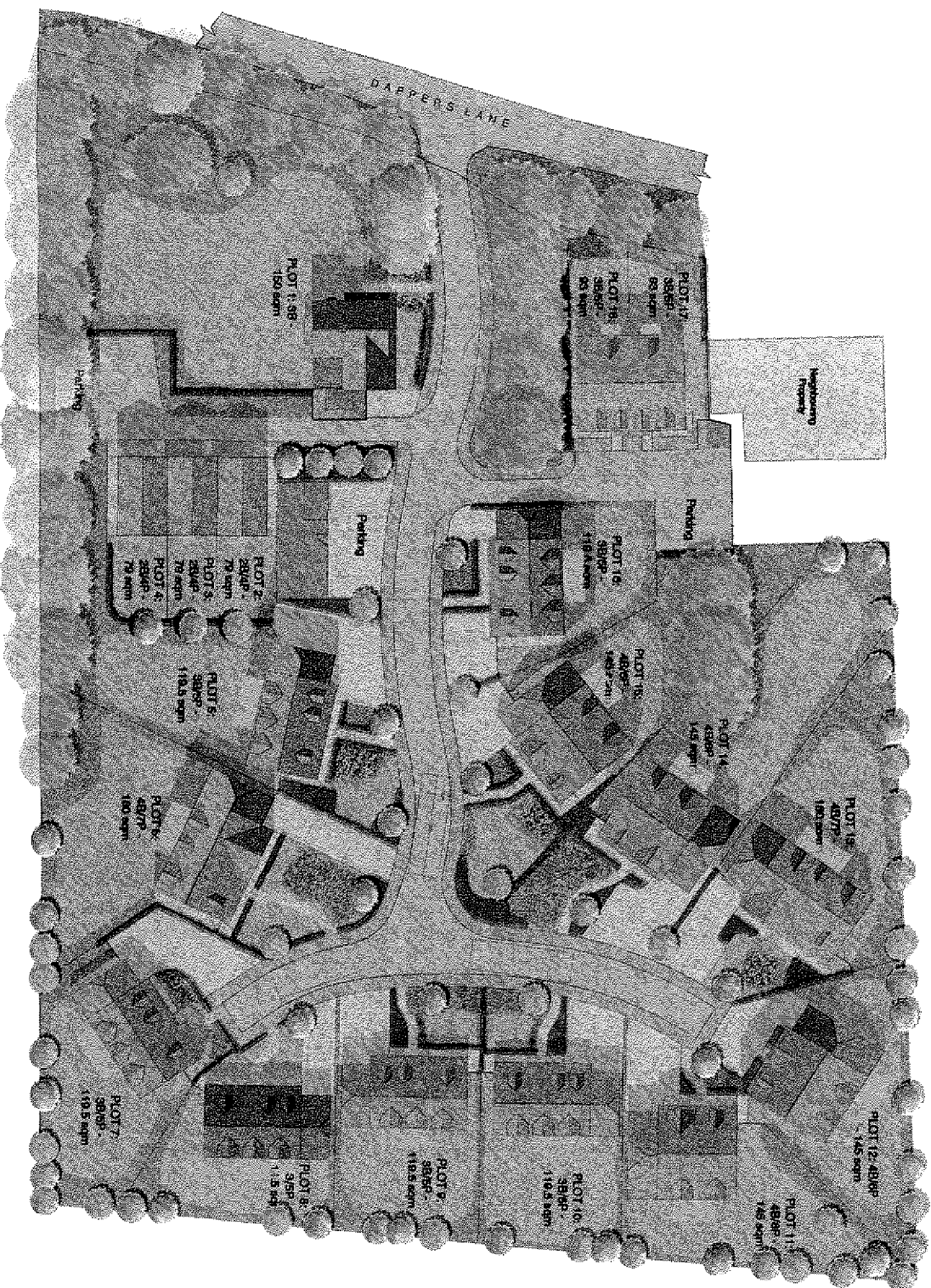
Due to unspecified reasons, ACS (asbestos containing soil) was laid within the gardens of Plots 6, 9 and 10. This was discovered by IGL with appropriate recommendations made, and necessary actions undertaken by GD Concepts to remediate; this involved removal of ACS and replacement with suitable soils.

The remaining plots were laid with recovered soils from elsewhere (Heatherlea site), tested and validated by IGL to ensure suitability for use.

A final statement will be made upon validation of Plot 1.



APPENDIX A – DEVELOPMENT PLANS



Drawing name:
Coloured Masterplan

Drawing number:
0277/P013

Project:
Merry England Nursery

Client:
Peter Nicholas Homes
(Dappers Lane) Ltd.

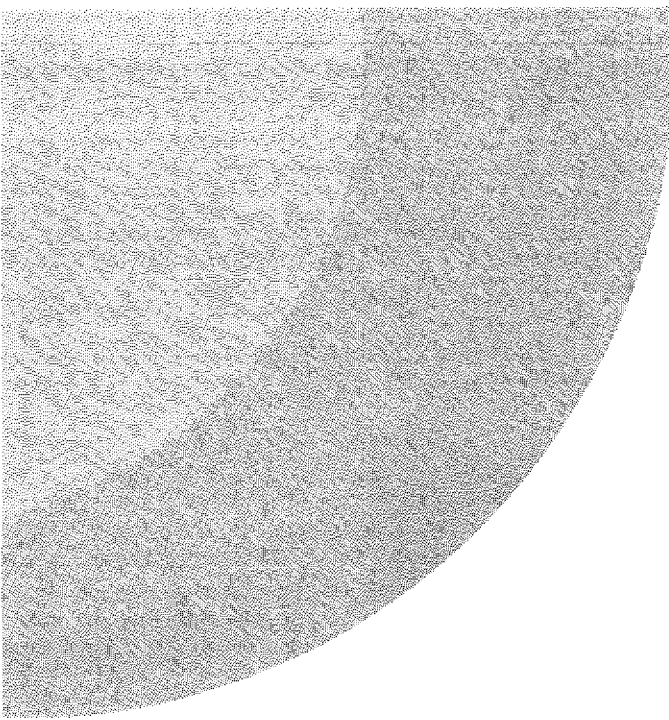
Status:
PLANNING

Date:
Nov 2018

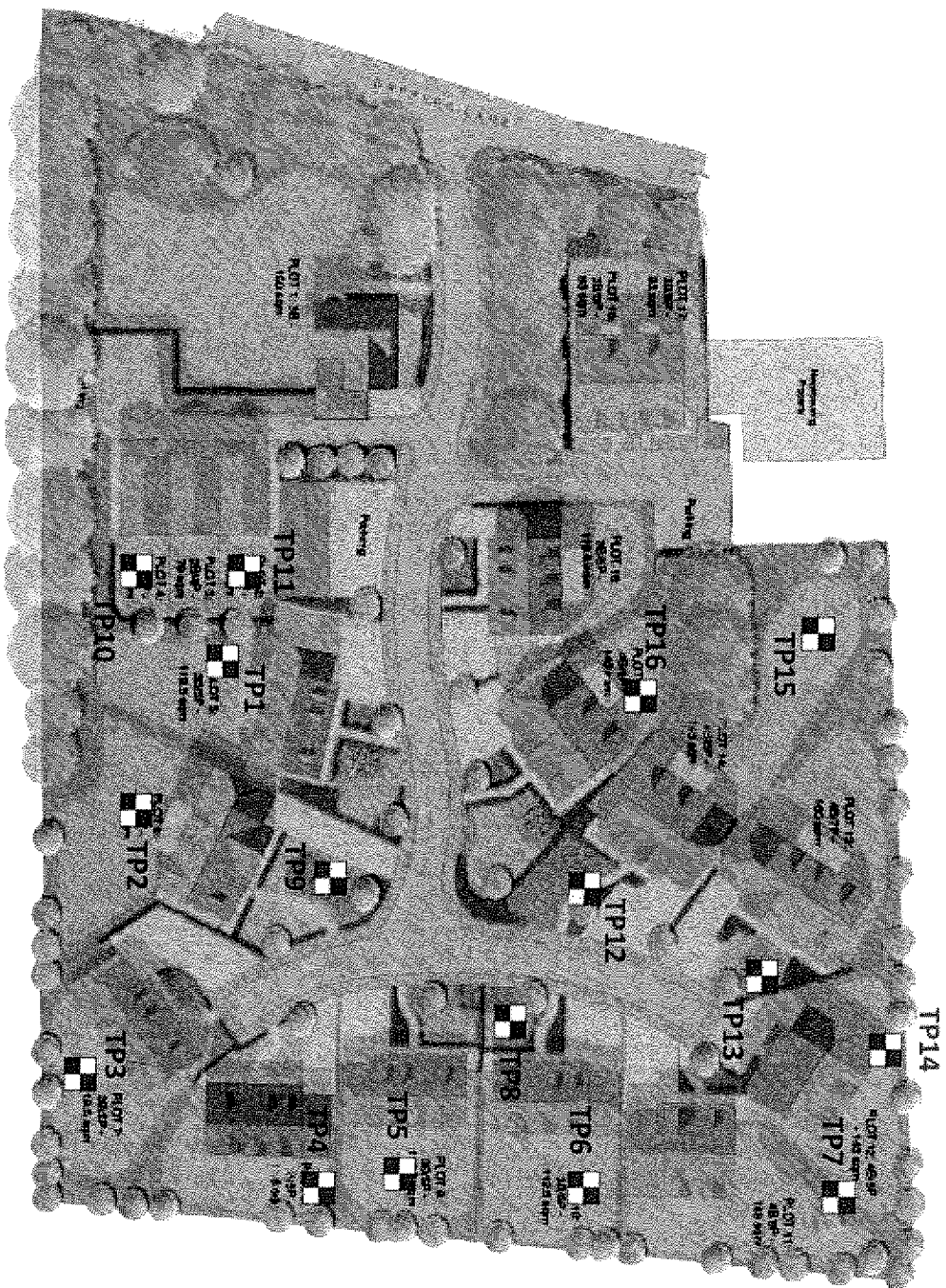
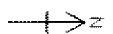
Revision: 1

Mohsin Cooper Limited:
(c) Copyright exists on the designs
and information in this drawing.

**mohsin
cooper**
ARCHITECTS



APPENDIX B – VALIDATION SAMPLING PLAN



Notes:

1. Do not scale from this drawing.
2. All dimensions must be checked on site prior to commencement of work.
3. Where applicable this drawing is to be read in conjunction with other consultants drawings.
4. This drawing is the copyright of Impact Geotechnical Ltd.

Drawing Title:

Hole Location Plan

Site Name:

Merry England

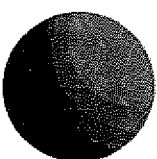
Project Reference:

P21.158

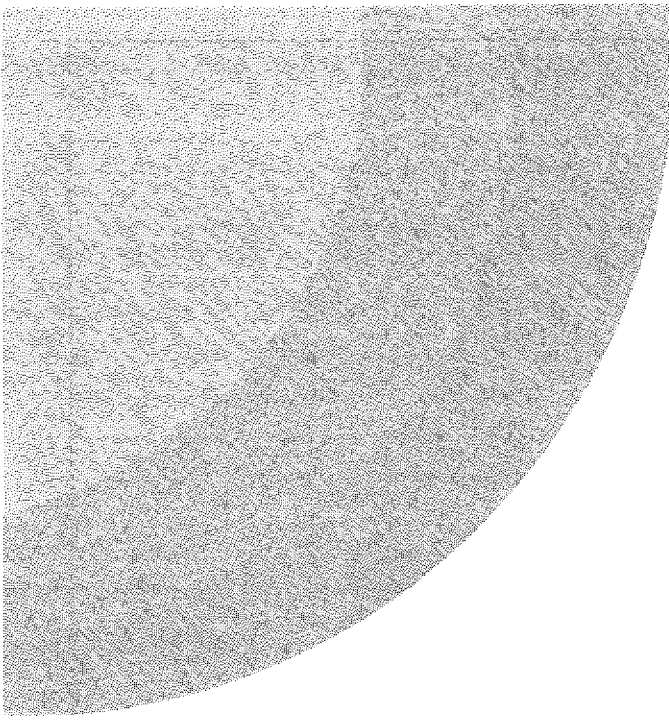
Revision: 0

Drawn by: SG

Scale: Not to Scale



IMPACT
GEOTECHNICAL



APPENDIX C – LABORATORY CERTIFICATES



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Impact Geotechnical Ltd
26 Anmore Road
Denmead
Hants
PO7 6NP

DETS Ltd
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Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN



DETS Report No: 21-08206

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 24/06/2021

Sample Scheduled Date: 28/06/2021

Report Issue Number: 1

Reporting Date: 08/07/2021

Authorised by:



Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.



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Rose Lane
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BS3882 Topsoil Suite							
DETS Report No: 21-08206		Date Sampled	None Supplied	Compliance with Range			
Impact Geotechnical Ltd		Time Sampled	None Supplied	Multipurpose	Acidic	Low Fertility	Calcareous
Site Reference: Merry England		TP / BH No	Topsoil 1				
Project / Job Ref: P21.158		Additional Refs	None Supplied				
Order No: P21.158		Depth (m)	None Supplied				
Reporting Date: 08/07/2021		DETS Sample No	551701				
Determinand	Reporting Unit	RL					
Soil Texture							
Clay Content ^(S)	%	N/a	9.6	5 - 35			
Silt Content ^(S)	%	N/a	24.1	0 - 65			
Sand Content ^(S)	%	N/a	66.3	30 - 85			
Textural Class ^(S)	N/a	N/a	Sandy Loam	-			
Loss on Ignition	%	< 0.01	6.80	Clay Content 5 - 20%			
				3 - 20	3 - 30	2 - 20	3 - 20
				Clay Content 20 - 35%			
				5 - 20	5 - 30	2 - 20	5 - 20
Coarse Fragment Content							
>2mm ^(S)	%	N/a	17.0	0 - 30	0 - 30	0 - 30	0 - 30
>20mm ^(S)	%	N/a	0.0	0 - 10	0 - 10	0 - 10	0 - 10
>50mm ^(S)	%	N/a	0.0	0	0	0	0
pH ^{MU}	pH Units	N/a	7.7	5.5 - 8.5	3.5 - 5.5	3.5 - 9.0	7.5 - 9.0
Carbonate	%	< 1.4	7.0				> 1
Available Plant Nutrients							
Total Nitrogen ^(S)	%	< 0.01	1.10	≥ 0.15	≥ 0.15		≥ 0.15
Phosphorus (Extractable) ^(S)	mg/l	< 3	48	16 - 140	16 - 140	≤ 15	16 - 140
Potassium (Extractable) ^(S)	mg/l	< 20	180	121 - 1500	121 - 1500		121 - 1500
Magnesium (Extractable) ^(S)	mg/l	< 1	99	51 - 600	51 - 600		51 - 600
Carbon / Nitrogen Ratio ^(S)	:1	< 0.1	2.8	< 20 : 1	< 20 : 1	< 20 : 1	< 20 : 1
Exchangeable Sodium ^(S)	%	< 0.1	< 0.1				
Phytotoxic Elements (by soil pH)				Multipurpose & Specific Purpose Topsoils at pH range			
				< 6.0	6.0 - 7.0		> 7.0
Zinc ^{MU}	mg/kg	< 3	128	< 200	< 200		< 300
Copper ^{MU}	mg/kg	< 4	27	< 100	< 135		< 200
Nickel ^{MU}	mg/kg	< 3	11	< 60	< 75		< 110
Visible Contaminants (Air Dried Soil)							
>2mm	%	N/a	0.0	< 0.5			
Plastics	%	N/a	0.00	< 0.25			
Sharps	%	N/a	0.0	0			
Additional Analytes							
Available Sodium ^(S)	mg/l	< 1	120				
Available Calcium ^(S)	mg/l	< 1	3500				
Electrical Conductivity	uS/cm	< 5	2100	3300			
OVERALL COMPLIANCY				Y	N	N	Y
Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion							
Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation							
M Denotes MCERTS accredited test							
U Denotes ISO17025 accredited test							
Subcontracted analysis ^(S)							



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Unit 1, Rose Lane Industrial Estate
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Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate - Sample Descriptions

DETS Report No: 21-08206	
Impact Geotechnical Ltd	
Site Reference: Merry England	
Project / Job Ref: P21.158	
Order No: P21.158	
Reporting Date: 08/07/2021	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
^ 551701	Topsoil 1	None Supplied	None Supplied	15.6	Brown sandy clay with brick

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{IS}

Unsuitable Sample ^{US}

^ no sampling date provided; unable to confirm if samples are within acceptable holding times



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Unit 1, Rose Lane Industrial Estate
Rose Lane
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Maidstone



Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 21-08206

Impact Geotechnical Ltd

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 08/07/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 15)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried

AR As Received

Parameter	Matrix Type	Suite Reference	Expanded Uncertainty Measurement	Unit
TOC	Soil	BS EN 12457	20.0	%
Loss on Ignition	Soil	BS EN 12457	35.0	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	23.0	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	11.6	%
pH	Soil	BS EN 12457	0.28	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	18.7	%
Barium	Leachate	BS EN 12457	11.6	%
Cadmium	Leachate	BS EN 12457	20.3	%
Chromium	Leachate	BS EN 12457	18.3	%
Copper	Leachate	BS EN 12457	24.3	%
Mercury	Leachate	BS EN 12457	23.7	%
Molybdenum	Leachate	BS EN 12457	14.7	%
Nickel	Leachate	BS EN 12457	16.1	%
Lead	Leachate	BS EN 12457	15.7	%
Antimony	Leachate	BS EN 12457	17.9	%
Selenium	Leachate	BS EN 12457	22.0	%
Zinc	Leachate	BS EN 12457	17.4	%
Chloride	Leachate	BS EN 12457	15.3	%
Fluoride	Leachate	BS EN 12457	16.4	%
Sulphate	Leachate	BS EN 12457	20.6	%
TDS	Leachate	BS EN 12457	12.0	%
Phenol Index	Leachate	BS EN 12457	14.0	%
DOC	Leachate	BS EN 12457	10.0	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	35.0	%
pH	Soil	BS 3882: 2015	0.14	Units
Carbonate	Soil	BS 3882: 2015	16.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	14.9	%
Copper	Soil	BS 3882: 2015	16.0	%
Nickel	Soil	BS 3882: 2015	17.7	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%



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Kent
ME17 3JN

DETS Report No: 21-08205

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 24/06/2021

Sample Scheduled Date: 28/06/2021

Report Issue Number: 1

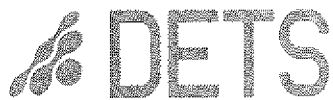
Reporting Date: 02/07/2021

Authorised by:

Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.



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Rose Lane
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Maidstone



Soil Analysis Certificate						
DETS Report No: 21-08205	Date Sampled	None Supplied				
Impact Geotechnical Ltd	Time Sampled	None Supplied				
Site Reference: Merry England	TP / BH No	Topsoil 1				
Project / Job Ref: P21.158	Additional Refs	None Supplied				
Order No: P21.158	Depth (m)	None Supplied				
Reporting Date: 02/07/2021	DETS Sample No	551700				

Determinand	Unit	RL	Accreditation				
pH	pH Units	N/a	MCERTS	7.8			
Total Cyanide	mg/kg	< 2	NONE	< 2			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	270			
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.27			
Organic Matter (SOM)	%	< 0.1	MCERTS	4.2			
Arsenic (As)	mg/kg	< 2	MCERTS	12			
Cadmium (Cd)	mg/kg	< 0.2	NONE	0.4			
Chromium (Cr)	mg/kg	< 2	MCERTS	18			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	27			
Lead (Pb)	mg/kg	< 3	MCERTS	85			
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	11			
Selenium (Se)	mg/kg	< 2	MCERTS	< 3			
Zinc (Zn)	mg/kg	< 3	MCERTS	126			
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)



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Lenham Heath



Soil Analysis Certificate - Speciated PAHs

DETS Report No: 21-08205	Date Sampled	None Supplied				
Impact Geotechnical Ltd	Time Sampled	None Supplied				
Site Reference: Merry England	TP / BH No	Topsoil 1				
Project / Job Ref: P21.158	Additional Refs	None Supplied				
Order No: P21.158	Depth (m)	None Supplied				
Reporting Date: 02/07/2021	DETS Sample No	551700				

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1			
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1			
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1			
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1			
Phenanthrene	mg/kg	< 0.1	MCERTS	0.68			
Anthracene	mg/kg	< 0.1	MCERTS	0.14			
Fluoranthene	mg/kg	< 0.1	MCERTS	1.61			
Pyrene	mg/kg	< 0.1	MCERTS	1.50			
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.65			
Chrysene	mg/kg	< 0.1	MCERTS	0.85			
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.85			
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.28			
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.66			
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.46			
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1			
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.51			
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	8.2			



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Rose Lane
Lenham Heath
Maidstone

T



Soil Analysis Certificate - EPH Texas Banded

DETS Report No: 21-08205	Date Sampled	None Supplied				
Impact Geotechnical Ltd	Time Sampled	None Supplied				
Site Reference: Merry England	TP / BH No	Topsoil 1				
Project / Job Ref: P21.158	Additional Refs	None Supplied				
Order No: P21.158	Depth (m)	None Supplied				
Reporting Date: 02/07/2021	DETS Sample No	551700				

Determinand	Unit	RL	Accreditation				
EPH Texas (>C16 - C21)	mg/kg	< 1	MCERTS	6			



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Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone



Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 21-08205	Date Sampled	None Supplied				
Impact Geotechnical Ltd	Time Sampled	None Supplied				
Site Reference: Merry England	TP / BH No	Topsoil 1				
Project / Job Ref: P21.158	Additional Refs	None Supplied				
Order No: P21.158	Depth (m)	None Supplied				
Reporting Date: 02/07/2021	DETS Sample No	551700				

Determinand	Unit	RL	Accreditation				
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01			
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05			
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2			
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2			
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3			
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3			
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10			
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21			
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01			
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05			
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2			
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2			
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2			
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	4			
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	11			
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21			
Total >C5 - C35	mg/kg	< 42	NONE	< 42			



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Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate - BTEX / MTBE

DETS Report No: 21-08205	Date Sampled	None Supplied				
Impact Geotechnical Ltd	Time Sampled	None Supplied				
Site Reference: Merry England	TP / BH No	Topsoil 1				
Project / Job Ref: P21.158	Additional Refs	None Supplied				
Order No: P21.158	Depth (m)	None Supplied				
Reporting Date: 02/07/2021	DETS Sample No	551700				

Determinand	Unit	RL	Accreditation				
Benzene	ug/kg	< 2	MCERTS	< 2			
Toluene	ug/kg	< 5	MCERTS	< 5			
Ethylbenzene	ug/kg	< 2	MCERTS	< 2			
p & m-xylene	ug/kg	< 2	MCERTS	< 2			
o-xylene	ug/kg	< 2	MCERTS	< 2			
MTBE	ug/kg	< 5	MCERTS	< 5			



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Kenilwell Road



Soil Analysis Certificate - Sample Descriptions

DETS Report No: 21-08205	
Impact Geotechnical Ltd	
Site Reference: Merry England	
Project / Job Ref: P21.158	
Order No: P21.158	
Reporting Date: 02/07/2021	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
^ 551700	Topsoil 1	None Supplied	None Supplied	15.6	Brown sandy clay with brick

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/s}

Unsuitable Sample ^{1/s}

^ no sampling date provided; unable to confirm if samples are within acceptable holding times



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Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 21-08205

Impact Geotechnical Ltd

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 02/07/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphénylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried

AR As Received



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DETS Report No: 21-12419

Site Reference: Merry England, Dapper's Lane

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 13/10/2021

Sample Scheduled Date: 13/10/2021

Report Issue Number: 1

Reporting Date: 22/10/2021



Dave Ashworth
Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

For Topsoil and WAC analysis the expanded uncertainty measurement should be considered while evaluating results against compliance values.



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 Maidstone
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BS3882 Topsoil Suite							
DETS Report No: 21-12419		Date Sampled	12/10/2021	Compliance with Range			
Impact Geotechnical Ltd		Time Sampled	None Supplied	Multipurpose	Acidic	Low Fertility	Calcareous
Site Reference: Merry England, Dapper's Lane		TP / BH No	Stockpile 1				
Project / Job Ref: P21.158		Additional Refs	Topsoil				
Order No: P21.158		Depth (m)	None Supplied				
Reporting Date: 22/10/2021		DETS Sample No	569206				
Determinand	Reporting Unit	RL					
Soil Texture							
Clay Content ^(S)	%	N/a	32.6	5 - 35			
Silt Content ^(S)	%	N/a	45.3	0 - 65			
Sand Content ^(S)	%	N/a	22.1	30 - 85			
Textural Class ^(S)	N/a	N/a	Clay Loam	-			
Loss on Ignition	%	< 0.01	6.60	Clay Content 5 - 20%			
				3 - 20	3 - 30	2 - 20	3 - 20
				Clay Content 20 - 35%			
				5 - 20	5 - 30	2 - 20	5 - 20
Coarse Fragment Content							
>2mm ^(S)	%	N/a	5.0	0 - 30	0 - 30	0 - 30	0 - 30
>20mm ^(S)	%	N/a	0.0	0 - 10	0 - 10	0 - 10	0 - 10
>50mm ^(S)	%	N/a	0.0	0	0	0	0
pH ^{MU}	pH Units	N/a	7.0	5.5 - 8.5	3.5 - 5.5	3.5 - 9.0	7.5 - 9.0
Carbonate	%	< 1.4	< 1.4				> 1
Available Plant Nutrients							
Total Nitrogen ^(S)	%	< 0.01	< 0.01	≥ 0.15	≥ 0.15		≥ 0.15
Phosphorus (Extractable) ^(S)	mg/l	< 3	48	16 - 140	16 - 140	≤ 15	16 - 140
Potassium (Extractable) ^(S)	mg/l	< 20	110	121 - 1500	121 - 1500		121 - 1500
Magnesium (Extractable) ^(S)	mg/l	< 1	71	51 - 600	51 - 600		51 - 600
Carbon / Nitrogen Ratio ^(S)	:1	< 0.1	340	< 20 : 1	< 20 : 1	< 20 : 1	< 20 : 1
Exchangeable Sodium ^(S)	%	< 0.1	< 0.1				
Phytotoxic Elements (by soil pH)				Multipurpose & Specific Purpose Topsoils at pH range			
				< 6.0	6.0 - 7.0	> 7.0	
Zinc ^{MU}	mg/kg	< 3	31	< 200	< 200	< 300	
Copper ^{MU}	mg/kg	< 4	7	< 100	< 135	< 200	
Nickel ^{MU}	mg/kg	< 3	< 3	< 60	< 75	< 110	
Visible Contaminants (Air Dried Soil)							
>2mm	%	N/a	0.0	< 0.5			
Plastics	%	N/a	0.00	< 0.25			
Sharps	%	N/a	0.0	0			
Additional Analytes							
Available Sodium ^(S)	mg/l	< 1	170				
Available Calcium ^(S)	mg/l	< 1	2900				
Electrical Conductivity	uS/cm	< 5	2100	3300			
OVERALL COMPLIANCY				N	N	N	N
Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Samples Descriptions page describes if the test is performed on the dried or as-received portion							
Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation							
M Denotes MCERTS accredited test							
U Denotes ISO17025 accredited test							
Subcontracted analysis ^(S)							



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Rose Lane
Lenham Heath
Maidstone



Soil Analysis Certificate - Sample Descriptions

DETS Report No: 21-12419

Impact Geotechnical Ltd

Site Reference: Merry England, Dapper's Lane

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 22/10/2021

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
569206	Stockpile 1	Topsoil	None Supplied	20.2	Brown sandy clay

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

Unsuitable Sample ^{1/5}



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Rose Lane
Lenham Heath
Maidstone



Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 21-12419

Impact Geotechnical Ltd

Site Reference: Merry England, Dapper's Lane

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 22/10/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (all: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (all: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

Parameter	Matrix Type	Suite Reference	Expanded Uncertainty Measurement	Unit
TOC	Soil	BS EN 12457	20.0	%
Loss on Ignition	Soil	BS EN 12457	35.0	%
BTEX	Soil	BS EN 12457	14.0	%
Sum of PCBs	Soil	BS EN 12457	23.0	%
Mineral Oil	Soil	BS EN 12457	9.0	%
Total PAH	Soil	BS EN 12457	11.6	%
pH	Soil	BS EN 12457	0.28	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18.0	%
Arsenic	Leachate	BS EN 12457	18.7	%
Barium	Leachate	BS EN 12457	11.6	%
Cadmium	Leachate	BS EN 12457	20.3	%
Chromium	Leachate	BS EN 12457	18.3	%
Copper	Leachate	BS EN 12457	24.3	%
Mercury	Leachate	BS EN 12457	23.7	%
Molybdenum	Leachate	BS EN 12457	14.7	%
Nickel	Leachate	BS EN 12457	16.1	%
Lead	Leachate	BS EN 12457	15.7	%
Antimony	Leachate	BS EN 12457	17.9	%
Selenium	Leachate	BS EN 12457	22.0	%
Zinc	Leachate	BS EN 12457	17.4	%
Chloride	Leachate	BS EN 12457	15.3	%
Fluoride	Leachate	BS EN 12457	16.4	%
Sulphate	Leachate	BS EN 12457	20.6	%
TDS	Leachate	BS EN 12457	12.0	%
Phenol Index	Leachate	BS EN 12457	14.0	%
DOC	Leachate	BS EN 12457	10.0	%
Clay Content	Soil	BS 3882: 2015	15.0	%
Silt Content	Soil	BS 3882: 2015	14.0	%
Sand Content	Soil	BS 3882: 2015	13.0	%
Loss on Ignition	Soil	BS 3882: 2015	35.0	%
pH	Soil	BS 3882: 2015	0.14	Units
Carbonate	Soil	BS 3882: 2015	16.0	%
Total Nitrogen	Soil	BS 3882: 2015	12.0	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24.0	%
Potassium (Extractable)	Soil	BS 3882: 2015	20.0	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26.0	%
Zinc	Soil	BS 3882: 2015	14.9	%
Copper	Soil	BS 3882: 2015	16.0	%
Nickel	Soil	BS 3882: 2015	17.7	%
Available Sodium	Soil	BS 3882: 2015	23.0	%
Available Calcium	Soil	BS 3882: 2015	23.0	%
Electrical Conductivity	Soil	BS 3882: 2015	10.0	%



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DETS Report No: 21-12418

Site Reference: Merry England, Dapper's Lane

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 13/10/2021

Sample Scheduled Date: 13/10/2021

Report Issue Number: 1

Reporting Date: 22/10/2021

Authorised by:

Dates of laboratory activities for each tested analyte are available upon request.

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DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone



Soil Analysis Certificate					
DETS Report No: 21-12418	Date Sampled	12/10/21	12/10/21		
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied		
Site Reference: Merry England, Dapper's Lane	TP / BH No	Stockpile #1	Stockpile #2		
Project / Job Ref: P21.158	Additional Refs	Topsoil	Topsoil		
Order No: P21.158	Depth (m)	None Supplied	None Supplied		
Reporting Date: 22/10/2021	DETS Sample No	569204	569205		

Determinand	Unit	RL	Accreditation					
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Not Detected			
pH	pH Units	N/a	MCERTS	6.9	6.5			
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	48	45			
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.05	0.05			
Organic Matter (SOM)	%	< 0.1	NONE	9.8	8.6			
Arsenic (As)	mg/kg	< 2	MCERTS	5	6			
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2			
Chromium (Cr)	mg/kg	< 2	MCERTS	6	7			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	7	8			
Lead (Pb)	mg/kg	< 3	MCERTS	30	35			
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	< 3	< 3			
Selenium (Se)	mg/kg	< 2	MCERTS	< 3	< 3			
Zinc (Zn)	mg/kg	< 3	MCERTS	31	41			
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (5)



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Soil Analysis Certificate - Speciated PAHs

DETS Report No: 21-12418	Date Sampled	12/10/21	12/10/21			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England, Dapper's Lane	TP / BH No	Stockpile #1	Stockpile #2			
Project / Job Ref: P21.158	Additional Refs	Topsoil	Topsoil			
Order No: P21.158	Depth (m)	None Supplied	None Supplied			
Reporting Date: 22/10/2021	DETS Sample No	569204	569205			

Determinand	Unit	RL	Accreditation			
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	



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Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 21-12418	Date Sampled	12/10/21	12/10/21			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England, Dapper's Lane	TP / BH No	Stockpile #1	Stockpile #2			
Project / Job Ref: P21.158	Additional Refs	Topsoil	Topsoil			
Order No: P21.158	Depth (m)	None Supplied	None Supplied			
Reporting Date: 22/10/2021	DETS Sample No	569204	569205			

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01			
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05			
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2			
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2			
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3			
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3			
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10			
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21			
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01			
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05			
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3			
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10			
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21			
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42			



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Soil Analysis Certificate - BTEX / MTBE

DETS Report No: 21-12418	Date Sampled	12/10/21	12/10/21			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England, Dapper's Lane	TP / BH No	Stockpile #1	Stockpile #2			
Project / Job Ref: P21.158	Additional Refs	Topsoil	Topsoil			
Order No: P21.158	Depth (m)	None Supplied	None Supplied			
Reporting Date: 22/10/2021	DETS Sample No	569204	569205			

Determinand	Unit	RL	Accreditation			
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	
Toluene	ug/kg	< 5	MCERTS	17	14	
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	



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Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 21-12418	
Impact Geotechnical Ltd	
Site Reference: Merry England, Dapper's Lane	
Project / Job Ref: P21.158	
Order No: P21.158	
Reporting Date: 22/10/2021	

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
569204	Stockpile #1	Topsoil	None Supplied	20.2	Brown sandy clay
569205	Stockpile #2	Topsoil	None Supplied	19.6	Brown sandy clay with vegetation

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{U/S}

Unsuitable Sample ^{U/S}



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Soil Analysis Certificate - Methodology & Miscellaneous

DETS Report No: 21-12418

Impact Geotechnical Ltd

Site Reference: Merry England, Dapper's Lane

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 22/10/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received



Graham Carter
Impact Geotechnical Ltd
26 Anmore Road
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Hants
PO7 6NP

Derwentside Environmental Testing S
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN

DETS Report No: 21-08779

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 12/07/2021

Sample Scheduled Date: 12/07/2021

Report Issue Number: 1

Reporting Date: 19/07/2021

Authorised by:



Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

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Soil Analysis Certificate

DETS Report No: 21-08779	Date Sampled	09/07/21	09/07/21	09/07/21	09/07/21	09/07/21
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP12	TP13	TP15	TP15	TP16
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.35	0.10	0.10	0.40	0.30
Reporting Date: 19/07/2021	DETS Sample No	554126	554127	554128	554129	554130

Determinand	Unit	RL	Accreditation					
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO17025	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
pH	pH Units	N/a	MCERTS	7.8	7.8	7.7	7.5	7.4
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	68	141	13	< 10	11
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.07	0.14	0.01	< 0.01	0.01
Organic Matter (SOM)	%	< 0.1	MCERTS	5	1.7	5.6	5.8	1.6
Arsenic (As)	mg/kg	< 2	MCERTS	13	13	10	6	9
Cadmium (Cd)	mg/kg	< 0.2	NONE	0.3	< 0.2	0.5	0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	21	20	15	11	17
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	23	15	28	13	11
Lead (Pb)	mg/kg	< 3	MCERTS	70	23	49	27	22
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	7	10	8	5	6
Selenium (Se)	mg/kg	< 2	MCERTS	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	197	65	195	112	48
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion.
Subcontracted analysis (S)



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K [REDACTED]



Soil Analysis Certificate - Speciated PAHs

DETS Report No: 21-08779	Date Sampled	09/07/21	09/07/21	09/07/21	09/07/21	09/07/21
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP12	TP13	TP15	TP15	TP16
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.35	0.10	0.10	0.40	0.30
Reporting Date: 19/07/2021	DETS Sample No	554126	554127	554128	554129	554130

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.14	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	0.25	0.12	0.28	0.17	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	0.23	< 0.1	0.26	0.17	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	0.14	< 0.1	0.14	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.19	< 0.1	0.17	0.16	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.12	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6



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Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 21-08779	Date Sampled	09/07/21	09/07/21	09/07/21	09/07/21	09/07/21
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP12	TP13	TP15	TP15	TP16
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.35	0.10	0.10	0.40	0.30
Reporting Date: 19/07/2021	DETS Sample No	554126	554127	554128	554129	554130

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42	< 42	< 42	< 42



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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 21-08779	Date Sampled	09/07/21	09/07/21	09/07/21	09/07/21	09/07/21
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP12	TP13	TP15	TP15	TP16
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.35	0.10	0.10	0.40	0.30
Reporting Date: 19/07/2021	DETS Sample No	554126	554127	554128	554129	554130

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5



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Soil Analysis Certificate - Sample Descriptions

DETS Report No: 21-08779

Impact Geotechnical Ltd

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 19/07/2021

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
554126	TP12	None Supplied	0.35	14.8	Brown sandy clay
554127	TP13	None Supplied	0.10	10.8	Brown sandy clay with stones
554128	TP15	None Supplied	0.10	18.7	Brown sandy clay with stones
554129	TP15	None Supplied	0.40	13.8	Brown sandy clay with stones
554130	TP16	None Supplied	0.30	17.6	Brown sandy clay

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

Unsuitable Sample ^{1/5}



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath



Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 21-08779

Impact Geotechnical Ltd

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 19/07/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (all: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (all: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried

AR As Received



Graham Carter
Impact Geotechnical Ltd
26 Anmore Road
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Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME18 2BN



DETS Report No: 21-05896

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Sample Receipt Date: 07/05/2021

Sample Scheduled Date: 07/05/2021

Report Issue Number: 1

Reporting Date: 13/05/2021

Authorised by:



Technical Manager

Dates of laboratory activities for each tested analyte are available upon request.

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Maidstone



Soil Analysis Certificate						
DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP2	TP4	TP5	TP8	TP9
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.20	0.20	0.20	0.30	0.20
Reporting Date: 13/05/2021	DETS Sample No	541786	541787	541788	541789	541790

Determinand	Unit	RL	Accreditation					
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Not Detected	Not Detected	Detected	Detected	Not Detected
Sample Matrix ^(S)	Material Type	N/a	NONE			Chrysotile present as fibre bundles	Chrysotile present as fibre bundles	
Asbestos Type ^(S)	PLM Result	N/a	ISO17025			Chrysotile	Chrysotile	
pH	pH Units	N/a	MCERTS	7.4	7.5	7.2	8.0	9.8
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	68	25	25	136	240
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.07	0.02	0.02	0.14	0.24
Organic Matter	%	< 0.1	MCERTS	4.2	2.7	2.9	2	1.2
Arsenic (As)	mg/kg	< 2	MCERTS	10	10	10	12	14
Cadmium (Cd)	mg/kg	< 0.2	NONE	0.3	0.2	0.2	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	20	20	19	20	19
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	20	13	16	16	12
Lead (Pb)	mg/kg	< 3	MCERTS	54	29	39	30	24
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	11	11	10	11	12
Selenium (Se)	mg/kg	< 2	MCERTS	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	86	86	132	125	55
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Subcontracted analysis (S)



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Soil Analysis Certificate

DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England	TP / BH No	TP9	TP10			
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied			
Order No: P21.158	Depth (m)	0.50	0.20			
Reporting Date: 13/05/2021	DETS Sample No	541791	541792			

Determinand	Unit	RL	Accreditation	Detected	Not Detected			
Asbestos Screen ^(S)	N/a	N/a	ISO17025	Detected	Not Detected			
Sample Matrix ^(S)	Material Type	N/a	NONE	Chrysotile present as fibre bundles				
Asbestos Type ^(S)	PLM Result	N/a	ISO17025	Chrysotile				
pH	pH Units	N/a	MCERTS	9.7	7.8			
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	306	51			
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.31	0.05			
Organic Matter	%	< 0.1	MCERTS	1.5	4.7			
Arsenic (As)	mg/kg	< 2	MCERTS	11	14			
Cadmium (Cd)	mg/kg	< 0.2	NONE	0.2	0.4			
Chromium (Cr)	mg/kg	< 2	MCERTS	19	23			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	17	25			
Lead (Pb)	mg/kg	< 3	MCERTS	40	59			
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	10	12			
Selenium (Se)	mg/kg	< 2	MCERTS	< 3	< 3			
Zinc (Zn)	mg/kg	< 3	MCERTS	113	111			
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion.
Subcontracted analysis (S)



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Soil Analysis Certificate - Speciated PAHs

DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP2	TP4	TP5	TP8	TP9
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.20	0.20	0.20	0.30	0.20
Reporting Date: 13/05/2021	DETS Sample No	541786	541787	541788	541789	541790

Determinand	Unit	RI	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	0.15	< 0.1	< 0.1	0.28
Pyrene	mg/kg	< 0.1	MCERTS	< 0.1	0.13	< 0.1	< 0.1	0.24
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.12
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	0.14
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6



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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England	TP / BH No	TP9	TP10			
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied			
Order No: P21.158	Depth (m)	0.50	0.20			
Reporting Date: 13/05/2021	DETS Sample No	541791	541792			

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Phenanthrene	mg/kg	< 0.1	MCERTS	0.39	< 0.1		
Anthracene	mg/kg	< 0.1	MCERTS	0.13	< 0.1		
Fluoranthene	mg/kg	< 0.1	MCERTS	0.80	< 0.1		
Pyrene	mg/kg	< 0.1	MCERTS	0.66	< 0.1		
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.27	< 0.1		
Chrysene	mg/kg	< 0.1	MCERTS	0.27	< 0.1		
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.29	< 0.1		
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.22	< 0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	3	< 1.6		



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Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP2	TP4	TP5	TP8	TP9
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.20	0.20	0.20	0.30	0.20
Reporting Date: 13/05/2021	DETS Sample No	541786	541787	541788	541789	541790

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21	< 21	< 21	< 21
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42	< 42	< 42	< 42



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Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England	TP / BH No	TP9	TP10			
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied			
Order No: P21.158	Depth (m)	0.50	0.20			
Reporting Date: 13/05/2021	DETS Sample No	541791	541792			

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01			
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05			
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2			
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2			
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3			
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3			
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10			
Aliphatic (C5 - C34)	mg/kg	< 21	NONE	< 21	< 21			
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01			
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05			
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2			
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3			
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10			
Aromatic (C5 - C35)	mg/kg	< 21	NONE	< 21	< 21			
Total >C5 - C35	mg/kg	< 42	NONE	< 42	< 42			



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Soil Analysis Certificate - BTEX / MTBE

DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Merry England	TP / BH No	TP2	TP4	TP5	TP8	TP9
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: P21.158	Depth (m)	0.20	0.20	0.20	0.30	0.20
Reporting Date: 13/05/2021	DETS Sample No	541786	541787	541788	541789	541790

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5



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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 21-05896	Date Sampled	None Supplied	None Supplied			
Impact Geotechnical Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Merry England	TP / BH No	TP9	TP10			
Project / Job Ref: P21.158	Additional Refs	None Supplied	None Supplied			
Order No: P21.158	Depth (m)	0.50	0.20			
Reporting Date: 13/05/2021	DETS Sample No	541791	541792			

Determinand	Unit	RL	Accreditation				
Benzene	ug/kg	< 2	MCERTS	< 2	< 2		
Toluene	ug/kg	< 5	MCERTS	< 5	< 5		
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2		
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2		
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2		
MTBE	ug/kg	< 5	MCERTS	< 5	< 5		



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Soil Analysis Certificate - Sample Descriptions

DETS Report No: 21-05896

Impact Geotechnical Ltd

Site Reference: Merry England

Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 13/05/2021

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
^ 541786	TP2	None Supplied	0.20	20.1	Brown sandy clay with brick and concrete
^ 541787	TP4	None Supplied	0.20	15.7	Brown sandy clay with stones
^ 541788	TP5	None Supplied	0.20	2.1	Brown sandy clay with stones
^ 541789	TP8	None Supplied	0.30	15	Brown sandy clay with stones and brick
^ 541790	TP9	None Supplied	0.20	13.1	Brown sandy clay with stones
^ 541791	TP9	None Supplied	0.50	15	Brown sandy clay with stones
^ 541792	TP10	None Supplied	0.20	16.4	Brown sandy clay with stones

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

Unsuitable Sample ^{1/5}

^ no sampling date provided; unable to confirm if samples are within acceptable holding times



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone



Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 21-05896

Impact Geotechnical Ltd

Site Reference: Merry England

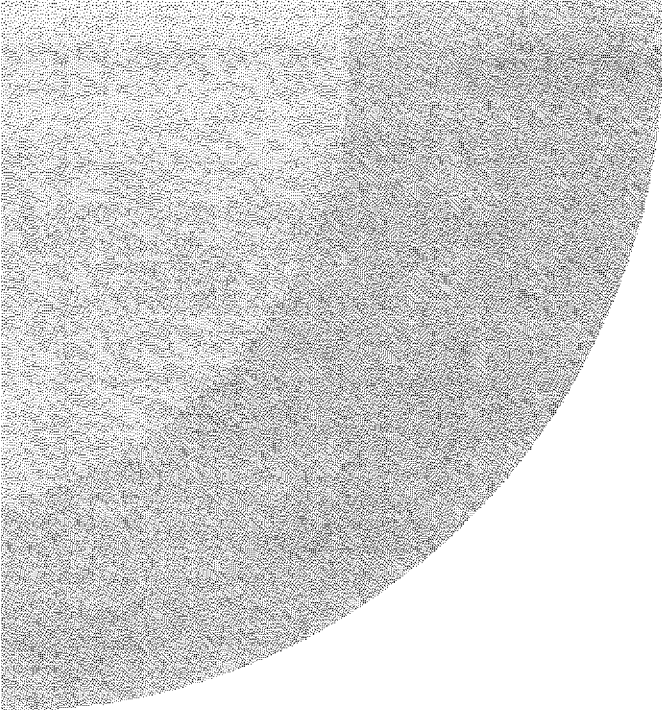
Project / Job Ref: P21.158

Order No: P21.158

Reporting Date: 13/05/2021

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received



APPENDIX D – STRATIGRAPHIC LOGS



Project Name: Merry England Validation				Client: GD Group				Date: 05/05/2021			
Location: Angmering, West Sussex				Contractor: Impact Geotechnical Ltd							
Project No. : P21.158				Crew Name: RM/GC				Equipment: Hand tools			
Location Number TP1		Location Type TP		Level		Logged By SG		Scale 1:25		Page Number Sheet 1 of 1	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.20	ES		0.40 0.50			(MADE GROUND) Grass over dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, rare brick. Firm brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint. End of Borehole at 0.500m			
Dimensions		Trench Support and Comment				Pumping Data					
Pit Length 0.30	Pit Width 0.30	Pit Stability	Shoring Used	Remarks			Date	Rate	Remarks		
Remarks											



Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP2	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

[illegible]

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks



Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP3	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.15			(MADE GROUND) Dark brown/brown slightly gravelly clayey/silty fine to medium Sand. Gravel is fine to coarse, angular to sub-rounded flint, rare brick.	1
					0.40			Dark brown/brown slightly gravelly sandy SILT. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded flint. (TOPSOIL.) End of Borehole at 0.400m	
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP4	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.10			(MADE GROUND) Dark brown/brown slightly gravelly clayey/silty fine to medium Sand. Gravel is fine to coarse, angular to sub-rounded flint, rare brick.
					0.45			(MADE GROUND) Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick. Rare wood and glass shards. Suspected ACM.
					0.60			Firm brown locally orangish brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint.
								End of Borehole at 0.600m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP5	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.10			(MADE GROUND) Dark brown/brown slightly gravelly clayey/silty fine to medium Sand. Gravel is fine to coarse, angular to sub-rounded flint, rare brick.
					0.35			(MADE GROUND) Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concret and brick. Rare wood. Suspected ACM.
					0.55			Firm brown locally orangish brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint.
								End of Borehole at 0.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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IMPACT
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP6	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES					(MADE GROUND) Dark brown/brown slightly gravelly clayey/silty fine to medium Sand. Gravel is fine to coarse, angular to sub-rounded flint, rare brick. Dark brown/brown slightly gravelly sandy SILT. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded flint. (TOPSOIL) End of Borehole at 0.40m	
					0.20				
					0.40				
									1
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks



Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP7	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.50			Dark brown/brown slightly gravelly sandy SILT. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded flint. (TOPSOIL)	
								End of Borehole at 0.500m	
									1
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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IMPACT
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP8	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.20			Brown slightly gravelly sandy SILT. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded flint.	1
					0.60			(MADE GROUND) Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete, stone and metal.	
					0.70			Firm brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint.	
								End of Borehole at 0.700m	
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP9	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.20			Grass over dark brown slightly gravelly sandy silty fine to medium Sand. Gravel is fine to coarse, sub-angular to sub-rounded flint. (TOPSOIL)	1
		0.50	ES					(MADE GROUND) Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick.	
					0.60 0.70			Firm brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint. End of Borehole at 0.700m	
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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Trial Pit Log

Project Name: Merry England Validation				Client: GD Group		Date: 05/05/2021		
Location: Angmering, West Sussex				Contractor: Impact Geotechnical Ltd				
Project No. : P21.158				Crew Name: RM/GC		Equipment: Hand tools		
Location Number TP10		Location Type TP		Level		Logged By SG	Scale 1:25	Page Number Sheet 1 of 1
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.55 0.60			(MADE GROUND) Dark brown slightly sandy gravelly clayey Silt. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick. Rare cobble of sand/cement.
								Firm brown gravelly silty CLAY. Gravel is fine to coarse, angular to sub-rounded flint. End of Borehole at 0.600m
Dimensions		Trench Support and Comment				Pumping Data		
Pit Length 0.30	Pit Width 0.30	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
Remarks								

Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 05/05/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name: RM/GC		Equipment: Hand tools	
Location Number TP11	Location Type TP	Level	Logged By SG	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES					(MADE GROUND) Dark brown slightly sandy gravelly clayey Silt. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, concrete and brick. Rare cobble of sand/cement.	
					0.40			(MADE GROUND) Dark brown slightly sandy gravelly silty Clay. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded flint, occasional brick.	
					0.60			End of Borehole at 0.600m	
									1
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30						

Remarks	
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Trial Pit Log

Project Name: Merry England Validation	Client: GD Group	Date: 09/07/2021
Location: Angmering, West Sussex	Contractor: Impact Geotechnical Ltd	
Project No. : P21.158	Crew Name:	Equipment:

Location Number TP12	Location Type TP	Level	Logged By GC	Scale 1:25	Page Number Sheet 1 of 1
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Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.15	ES		0.20			MADE GROUND Brown sandy gravelly Clay. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, medium to coarse sized flint, brick, plastic.	
		0.35	ES					MADE GROUND Dark brown locally slightly gravelly sandy Silt. Gravel is sub-angular to sub-rounded flint to medium sized flint. Scattered brick rubble.	
					0.55			Firm consistency brown mottled silty sandy CLAY. Sand is fine.	
					0.60			End of Borehole at 0.600m	

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30	Good	none				

Remarks	
Hand excavated pit to 0.60mbgl. No groundwater encountered. Backfilled with arisings on completion.	

Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 09/07/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name:		Equipment:	
Location Number TP13	Location Type TP	Level	Logged By GC	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15			MADE GROUND Light brown slightly gravelly silty Clay. Gravel is sub-angular to sub-rounded fine to coarse sized flint and rarely brick. Firm consistency brown mottled silty sandy CLAY. Sand is fine.	1
		0.30	ES						
					0.50				
								End of Borehole at 0.500m	5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30	Good	none				

Remarks	
Hand excavated pit to 0.50mbgl. No groundwater encountered. Backfilled with arisings on completion.	



IMPACT
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 09/07/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name:		Equipment:	
Location Number TP14	Location Type TP	Level	Logged By GC	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40			Grass over firm consistency slightly sandy silty CLAY. Scattered medium to coarse sized flint gravel.	
								End of Borehole at 0.400m	
									1
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30	Good	none				

Remarks Hand excavated pit to 0.40mbgl. No groundwater encountered. Backfilled with arisings on completion.	
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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 09/07/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name:		Equipment:	
Location Number TP15	Location Type TP	Level	Logged By GC	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES		0.15			MADE GROUND Dark brown speckled sandy slightly gravelly Silt. Sand is fine to coarse. Gravel is sub-angular to sub-rounded fine to coarse sized flint, chalk and rarely brick.	1
		0.40	ES		0.50			Dark brown locally slightly gravelly sandy Silt. Gravel is sub-angular to sub-rounded flint to medium sized flint. Reworked appearance.	
					0.60			Firm consistency brown mottled silty sandy CLAY. Sand is fine.	
								End of Borehole at 0.550m	
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30	Good	none				

Remarks	
Hand excavated pit to 0.55mbgl. No groundwater encountered. Backfilled with arisings on completion.	



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Trial Pit Log

Project Name: Merry England Validation		Client: GD Group		Date: 09/07/2021	
Location: Angmering, West Sussex		Contractor: Impact Geotechnical Ltd			
Project No. : P21.158		Crew Name:		Equipment:	
Location Number TP16	Location Type TP	Level	Logged By GC	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.20			MADE GROUND Loose topsoil over light orange brown sandy Gravel. Sand is fine to coarse. Gravel is sub-angular to sub-rounded medium to coarse sized brick, as well as sand/ cement.	
					0.40			MADE GROUND Brown mottled silty sandy Clay. Reworked appearance.	
					0.60			Firm consistency brown mottled silty sandy CLAY. Sand is fine.	
								End of Borehole at 0.600m	
									1
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
0.30	0.30	Good	none				

Remarks	
Hand excavated pit to 0.60mbgl. No groundwater encountered. Backfilled with arisings on completion.	

APPENDIX E – SOUTHERN TESTING
TOPSOIL ANALYSIS – HEATHERLEA SITE

Our Ref: PJS/GS/LF/J14848

Southern Testing Laboratories Ltd

5th July 2021

G D Concepts
Basepoint, Little High Street
Shoreham by Sea, West Sussex
BN43 5EG

For the attention of Mr Glenn Gasson

Dear Glenn,

Re: Laboratory Analysis of stockpiled topsoil for reuse: Heatherlea, Newick Lane, Heathfield, TN21 8PT
Approx. National Grid Reference: TQ 59240 22000
Geology: Ashdown Formation (Hastings Beds Formation)

1 Authority

Our authority for carrying out this work is contained in a Project Order Form signed by Glenn Gasson of GD Concepts, dated 21st June 2021.

2 Background and Objectives

The object of this investigation was to provide chemical laboratory analysis of a stockpile of site won topsoil for reuse on another GD Concepts site located in Angmering, West Sussex. We understand that the material will be moved to Angmering under a Waste Exemption Licence.

3 Scope

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

This report does not consider the horticultural grade of Topsoil (BS3882).

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

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



4 Site Work

The site work was conducted on 22nd June 2021, at which time the weather was cloudy and dry. At the time of the site visit the topsoil had been stripped from the site and stockpiled. Two composite topsoil samples were taken from around the stockpile and various depths within the body of the stockpile. The stockpile was approximately 1000m³, thus a sampling ratio of 1 per 500m³ was employed. The approximate locations of the samples are shown on the attached plan.

The topsoil encountered comprised a brown silty slightly organic CLAY with roots and rootlets and rare wood fragments.

5 Visual and Olfactory Evidence of Contamination

No evidence of possible contamination was noted during the site visit, although significant quantities of root matter were seen within one of the samples.

6 Laboratory Testing

6.1.1 General Contaminants

Two samples of topsoil were taken and tested for the STL Key Contaminant Suite. For the purposes of the contamination risk assessment the end use is assumed as Residential with home-grown produce.

The results are summarised below:

Contaminants	Units	No of Samples Tested	TP01 at 0.5m	TP02 at 1.0m	Residential with Home-grown Produce
Arsenic (As)	mg/kg	2	5.4	14	37
Cadmium (Cd)	mg/kg	2	<0.2	<0.2	11
Total Chromium (Cr)	mg/kg	2	4.8	16	910
Hexavalent Chromium (CrVI)	mg/kg	2	<4.0	<4.0	6
Lead (Pb)	mg/kg	2	34	62	200
Mercury (Hg)	mg/kg	2	<0.3	<0.3	7.6 – 11
Selenium (Se)	mg/kg	2	<1.0	<1.0	250
Nickel (Ni)	mg/kg	2	1.7	4.4	130
Copper (Cu)	mg/kg	2	11	11	2,400
Zinc (Zn)	mg/kg	2	36	42	3,700
Phenol	mg/kg	2	<1.0	<1.0	120 – 380
Benzo[a]pyrene	mg/kg	2	<0.05	<0.05	1.7 – 2.4
Naphthalene	mg/kg	2	<0.05	<0.05	2.3 – 1.3
Total Cyanide (CN)	mg/kg	2	<1	<1	/
Acidity (pH value)	Units	2	7.1	6.1	/
Soil Organic Matter	%	2	4.6	3.7	/

In terms of contamination, no results of concern were returned by any of the soil samples analysed. Therefore, the stockpiled topsoil could be considered suitable for reuse, in domestic gardens or landscaping areas.

6.1.2 Asbestos

No asbestos containing materials were detected in the samples analysed and none were observed during sampling.

6.1.3 Organic Contaminants

Two soil samples were screened for the presence of petroleum hydrocarbons.

The results obtained were below the laboratory limit of detection in all cases (attached). This indicates that the topsoil has not been affected by the presence of hydrocarbons.

7 Discussion and Conclusions

In terms of contamination, no elevated results of concern were noted within the topsoil samples tested when the results were compared to the Tier 1 screening values for Residential with home-grown produce. The topsoil has not been tested for horticultural grade in accordance with BS 3882 (2015).

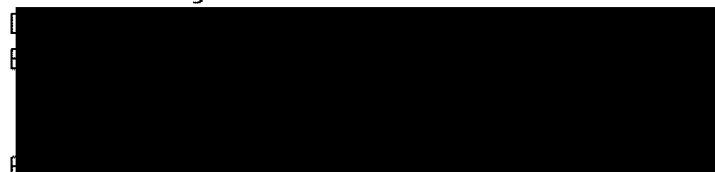
If you have any queries or we can be of further assistance, please do not hesitate to contact us.

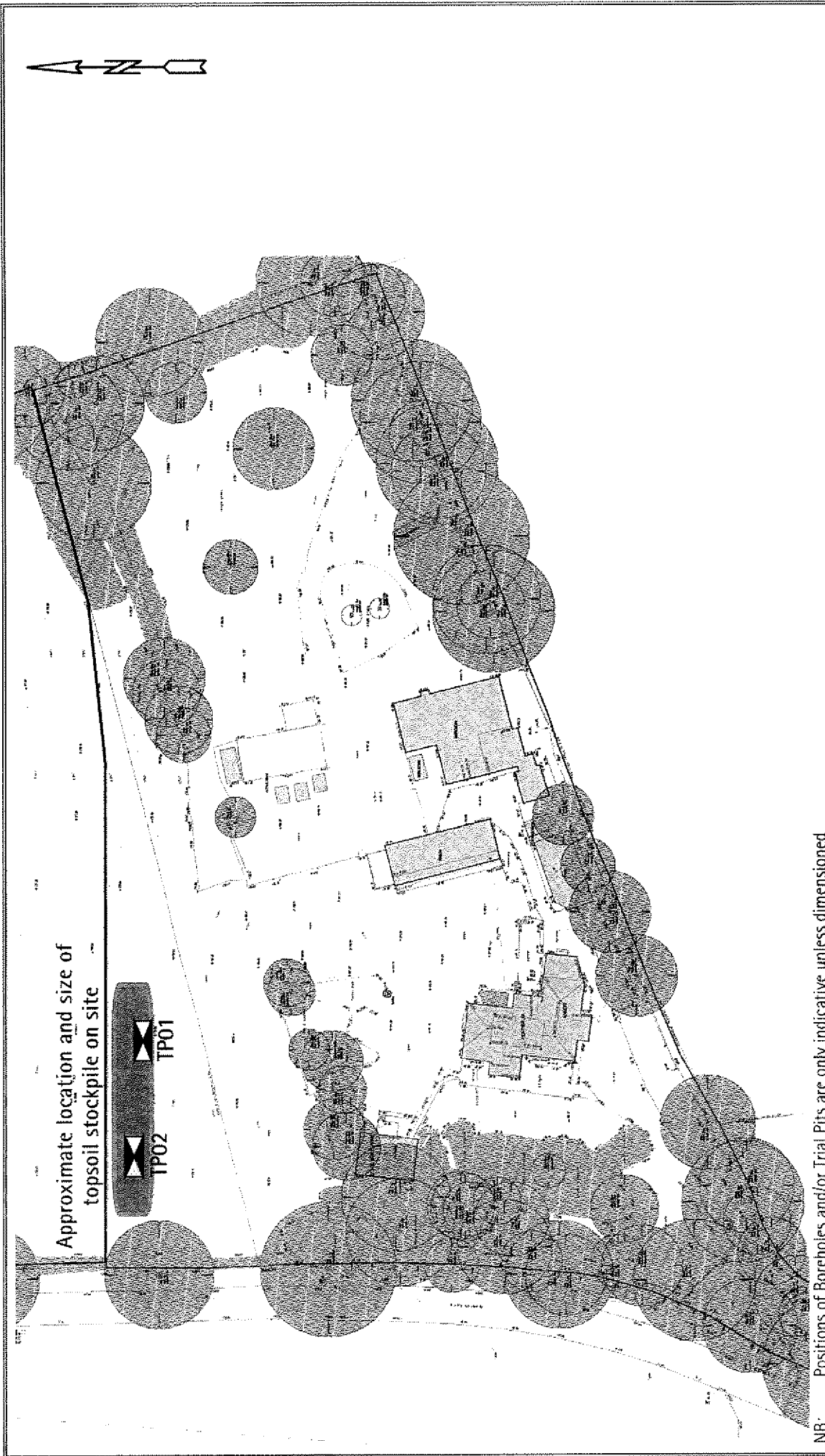
Yours sincerely,



Greg Smith

For and on behalf of
Southern Testing Laboratories Limited





STL: J14848		Fig No: 1
Exploratory Hole Location Plan		
<div> <div>  Southern Testing </div> <div>  ST Consult </div> </div>		
Site: Heatherlea, Newick Lane, Heathfield, TN21 8PT Date: 29 June 2021 Southern Testing: Keeble House, Stuart Way, East Grinstead, West Sussex RH19 4QA ST Consult: Twigden Barns, Brixworth Road, Creaton, Northampton NN6 8NN		



4841



M-CERTS



Environmental Science

Greg Smith

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

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f
e

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

Analytical Report Number : 21-83035**Project / Site name:** Heatherlea Heathfield**Samples received on:** 24/06/2021**Your job number:** J14848**Samples instructed on/
Analysis started on:** 24/06/2021**Your order number:** J14848 1**Analysis completed by:** 02/07/2021**Report Issue Number:** 1**Report issued on:** 02/07/2021**Samples Analysed:** 2 soil samples**Signed:***Joanna Wawrzeczko*

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

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

Analytical Report Number: 21-83035
Project / Site name: Heatherlea Heathfield
Your Order No: J14848 1

Lab Sample Number	1914946			1914947
Sample Reference	TP01			TP02
Sample Number	None Supplied			None Supplied
Depth (m)	0.50			1.00
Date Sampled	22/06/2021			22/06/2021
Time Taken	1100			1100
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	25
Total mass of sample received	kg	0.001	NONE	1.5

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.1	6.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Water Soluble Sulfide (after extraction (2:1 Leachate Equivalent))	g/l	0.00125	MCERTS	0.023	0.027
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0
Organic Matter	%	0.1	MCERTS	4.6	3.7

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

Total PAH

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

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.4	14
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	4.8	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	11
Lead (aqua regia extractable)	mg/kg	1	MCERTS	34	62
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.7	4.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	42

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

ISS No 21-83035-1 Heatherlea Heathfield J14848
Page 2 of 5

Analytical Report Number: 21-83035
 Project / Site name: Heatherlea Heathfield
 Your Order No: J14848 1

Lab Sample Number	1914946	1914947
Sample Reference	TP01	TP02
Sample Number	None Supplied	None Supplied
Depth (m)	0.50	1.00
Date Sampled	22/06/2021	22/06/2021
Time Taken	1100	1100
Analytical Parameter (Soil Analysis)	Units	Limit of detection Accreditation Status

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 21-83035

Project / Site name: Heatherlea Heathfield

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1914946	TP01	None Supplied	0.5	Brown clay and loam with vegetation.
1914947	TP02	None Supplied	1	Brown clay and loam with gravel and vegetation.

Analytical Report Number : 21-83035
Project / Site name: Heatherlea Heathfield

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on: MEWAM 2066 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on: HSG 248	A091-PL	D	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 °C)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on: USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on: British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on: Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
BTEX and MTBE in soil (Mononaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on: USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L085/76-PL	W	MCERTS

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

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

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

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



APPENDIX F – IMPORTED SOIL DOCUMENTATION

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 35989

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD CONCEPTS Date: 8/11/21

Site Address: OFF LITTER LANE Time: 1600

ANGMERING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Mixed Soil/Stone 17 05 04	10mm Compost	
Hardcore 17 01 07	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material:

Address: SATON A. ALICE

Driver

Signature: ...

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 35986

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD CONCEPTS Date: 8/1/21

Site Address: WATER LANE Time:
..... ANGMERING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Mixed Soil/Stone 17 05 04	10mm Compost	
Hardcore 17 01 07	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	
	11 Lorry	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material:

Address: SAME AS ABOVE

Driver
Signature: [REDACTED]

entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CB0U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 36140

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD Concepts Date: 08.11.21

Site Address: Water Ln Time:

Angmering

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil ☒
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Hardcore 17 01 07		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres <u>1 x x wheeler</u>

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: [REDACTED]

Address: [REDACTED]

Driver [REDACTED]
Signature: [REDACTED]

Customers ordering vehicles off the public highway do so
entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the
Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the
vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the
sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 35988

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: G.D. CONCEPTS

Date: 8/11/21

Site Address: WATER LAKE

Time: 1525

STEARNS TOWN

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Mixed Soil/Stone 17 05 04	10mm Compost	
Hardcore 17 01 07	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: [REDACTED]

Address: [REDACTED]

Driver

Signature: [REDACTED]

Customers ordering vehicles on the public highway are entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 29179

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: G.D. CONCEPTS Date: 8/11/24

Site Address: PARMERS LANE Time:

Angmering

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Other		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres <u>1 x 10m</u> <u>15000 delivered</u>

Vehicle Reg. No.: [REDACTED]

Company Name Receiving Waste/Material:

Address:

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB7070L

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

03/19/74

CONVEYANCE WASTE TRANSFER NOTE

Note No: 29178

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: G.D. CONCEPTS Date: 8/11/21

Site Address: WIMBORNE LANE Time:

ANGMERING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Other		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres <u>14.000</u> <u>11.800</u> delivered

Vehicle Reg. No. [REDACTED]

Company Name Receiving Waste/Material: G.D. CONCEPTS

Address:

Driver [REDACTED]
Signature: [REDACTED]

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CB0U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Tiltmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 35987

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GO CONCEPT Date: 8/11/21

Site Address: WATER LANE Time: 1410

..... ANGMERING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Hardcore 17 01 07		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material:

Address: SAME AS ABOVE

Driver

Signature

Customers ordering vehicles off the public highway do so entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CB0U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

031973

CONVEYANCE WASTE TRANSFER NOTE

Note No: 29177

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name:

G.D. CONCEPTS

Date:

8/11/20

Site Address:

~~WARRERS~~
LANE

Time:

ANGMERING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Other		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres 1 X LOAD 1/1 SOIL POWERED

Vehicle Reg. No:

Company Name Receiving Waste/Material:

G.D. CONCEPTS

Address:

Driver

Signature: ...

entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 36141

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD Concepts

Date: 08.11.21

Site Address: Water Ln

Time:

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Mixed Soil/Stone 17 05 04	10mm Compost	
Hardcore 17 01 07	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	

Vehicle Reg. No:

Company Name Receiving Waste/Material: GD Concepts

Address:

Driver

Signature:

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 35734

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: *Europagreen* Date: *9.11.21*

Site Address: *Worthing* Time:

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Mixed Soil/Stone 17 05 04		10mm Compost
Hardcore 17 01 07		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres <i>148.100 ton</i>

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: *S. J. Concepts*

Address: *1000 St. James Way*

Driver
Signature

Customers ordering vehicles on the public highway do so
entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the
Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the
vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the
sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

Normans Corner,
Chapel Road,
Smallfield,
Surrey RH6 9JH

**R&S
ETHERINGTON
LTD**

Ticket No: 12257

Date: 9/10/21

Order No: _____

DUTY OF CARE CONTROLLED WASTE

TRANSFER NOTE / SALES INVOICE | VAT No: 284701452

HAZARD WASTE REG: AAL106
WASTE MANAGEMENT NO: 83374
WASTE CARRIERS LICENCE NO: CBDU87960

SECTION A1 - DESCRIPTION OF WASTE (Tick or state Other and Enter 6 digit EWC)

☐	17-09-04 MIXED CONSTRUCTION WASTE	OTHER: Gregg 07919050880	VOLUME / UNITS	GROSS
☐	17-01-02 BRICKS / HARDWARE			TARE
☐	17-05-04 SOIL / STONES			NET
☐	17-02-01 WOOD			
☐	17-09-02 GYPSUM			
☐	19-12-02 SCRAP METAL			

SECTION A2 - HOW IS THE WASTE CONTAINED

SKIP SIZE	GRAB LOAD	DELIVERY ☐	EXCHANGE ☐	OTHER WORK 5 LOADS OF TOP SOIL
		COLLECTION ☐	WAIT & LOAD ☐	DAY WORK ☒

SECTION B - CURRENT HOLDER OF THE WASTE (SITE / CUSTOMER / PRODUCER)

CUSTOMER: Gregg BECKETT	Time arrived on site:
ADDRESS: HEATHER LEE NEWICK LANE, HEATHFIELD TN21 8PT.	Time left site:
PRINT NAME: TO DAPPLERS LANE	SIGNATURE: _____
I CAN CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY AS REQUESTED BY REGULATION 12	

SECTION C - PERSON COLLECTING WASTE

DRIVER NAME: _____	_____
--------------------	-------

SECTION D - THE TRANSFER POINT (Disposal destination if different to ours)

ADDRESS + POSTCODE: _____	_____
DATE: _____	EE SIGNATURE: _____
PAYMENT METHOD: _____	QUE ☐ PAID OR COLLECT _____
NET _____	TOTAL _____

- Materials removed from site re...
 - Materials delivered to site and signed for by us remain the property of R & S Etherington Ltd until paid for.
 - We reserve the right to return to the site details above to return materials removed for disposal or collect materials delivered if invoices relating to such are not paid for whatever reason.
- To Hire or Representative of Hire, Please note, this time sheet will form the basis on which our invoices are compiled. It is particularly requested that you satisfy yourself that the above is shown as accurate.
- Customers ordering vehicles off the public highway do so at their own risk.

**NO ASBESTOS OR FIBRE BOUND MATERIAL • NO FRIDGES • NO FIRES • NO TYRES • NO BATTERIES • NO COMPUTER SCREENS
NO LIQUIDS • NO TELEVISIONS • 10% GLASS (MAX) • 10% PLASTERBOARD (MAX) • MUST BE KEPT DRY & PUT IN BAGS ON TOP**

WE RESERVE THE RIGHT TO CHARGE FOR DISPOSAL COSTS FOR ANY NON COMPLIANT WASTE

Normans Corner,
Chapel Road,
Smallfield,
Surrey RH6 9JH

**R&S
ETHERINGTON
LTD**

Ticket No: 12258

Date: 9/10/21

Order No: _____

DUTY OF CARE CONTROLLED WASTE
TRANSFER NOTE / SALES INVOICE | VAT No: 284701452

HAZARD WASTE REG: AAL106
WASTE MANAGEMENT NO. 83374
WASTE CARRIERS LICENCE NO. CBDU87960

SECTION A1 - DESCRIPTION OF WASTE (Tick or state Other and Enter 6 digit EWC)

☐ 17-09-04 MIXED CONSTRUCTION WASTE	OTHER: Gregg 07919050880	VOLUME / UNITS	GROSS
☐ 17-01-02 BRICKS / hardcore			TARE
☐ 17-05-04 SOIL / STONES			NET
☐ 17-02-01 WOOD			
☐ 17-08-02 GYPSUM			
☐ 19-12-02 SCRAP METAL			

SECTION A2 - HOW IS THE WASTE CONTAINED

SKIP SIZE	GRAB LOAD	DELIVERY ☐	EXCHANGE ☐	OTHER WORK 5 LOADS OF TOP SOIL
		COLLECTION ☐	WAIT & LOAD ☐	DAY WORK ☒

SECTION B - CURRENT HOLDER OF THE WASTE (SITE / CUSTOMER / PRODUCER)

CUSTOMER Gregg BECKETT	Time arrived on site:
ADDRESS HEATHCL LEE NEWICK LANE HEATHFIELD TN21 8PT	Time left site:
PRINT NAME: TO DAPPER'S LANE	SIGNATURE: _____

SECTION D - THE TRANSFER POINT (Disposal destination if different to ours)

ADDRESS + POSTCODE:	
DATE:	SIGNATURE:
PAYMENT METHOD	☐ PAID OR COLLECT
NET	TOTAL

1. Materials removed from site remain the property of the client.
2. Materials delivered to site and signed for by the client.
3. We reserve the right to return to the client any materials not taken away by the client for whatever reason.

To Hire or Representative of Hire. Please note this time sheet will form the basis on which our invoices are compiled. It is particularly requested that you satisfy yourself that the above is shown as accurate.

Customers ordering vehicles off the public highway do so at their own risk.

**NO ASBESTOS OR FIBRE BOUND MATERIAL • NO FRIDGES • NO FIRES • NO TYRES • NO BATTERIES • NO COMPUTER SCREENS
NO LIQUIDS • NO TELEVISIONS • 10% GLASS (MAX) • 10% PLASTERBOARD (MAX) • MUST BE KEPT DRY & PUT IN BAGS ON TOP**

WE RESERVE THE RIGHT TO CHARGE FOR DISPOSAL COSTS FOR ANY NON COMPLIANT WASTE

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 22246

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: G. D DEVELOPMENTS Date: 8/12/20

Site Address: DAPPERS LANE Time:

WORTHING

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	☒
Green Waste 20 02 01	10mm Screened Sandy Loam	☐
Horse Manure 02 01 06	10mm Compost	☐
Other	Other	☐
Tonnes/Cubic Metres	Tonnes/Cubic Metres <u>1X8 WHEELER LOAD</u>	

Vehicle Reg: [REDACTED]

Company Name Receiving Waste/Material: G. D DEVELOPMENTS

Address: DAPPERS LANE

Driver
Signature

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBOU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: Green G.D Concepts Date: 8/12/20Site Address: Depens Lane Time:Worthing

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	<u>Topsoil</u>
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres <u>Topsoil</u>	Tonnes/Cubic Metres	

Vehicle Reg. No: [REDACTED]Company Name Receiving Waste/Material: Euro Green

Address:

WorthingDriver Signature: [REDACTED] Customer Signature:Customers ordering vehicles off the public highway do so entirely on their own responsibilityI confirm my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 21810

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: Greg GH Concepts Date: 8/12/20

Site Address: Dappers Lane Time:
Angmering

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	<u>Eds</u>
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	

Vehicle Reg.

Company Name Receiving Waste/Material: Greg

Address: A. Dadmans

Driver

Signature:

Customer's Signature
entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: C80U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/C8707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD concepts Date: 12-1-21Site Address: Euro Green Worthing Time: _____
Titmore lane

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Horse Manure 02 01 06		10mm Compost
Other		Other
Tonnes/Cubic Metres		Tonnes/Cubic Metres
		<u>1 x 8 wheeler load</u>

Vehicle Reg. No: [REDACTED]Company Name Receiving Waste/Material: GD conceptsAddress: Dappers lane AngmeringDriver
Signature: [REDACTED]I confirm the above particulars are true and relate to the Waste/Materials being conveyed in the
Waste (England and Wales) Regulations 2011.Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the
vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the
sale thereof made by the cubic metre or ton.**CARRIER REG. NO: CBDU58167****SIC 2007 CODE: 38210****PERMIT NO: EPR/CB707UL**

North Barn Farm, Titmore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

85950

CONVEYANCE WASTE TRANSFER NOTE

Note No: 21244

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: Greg GD concepts Date: 9-12-20

Site Address: Euro green Worthing Time:
titnore lane north barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	☒
Green Waste 20 02 01	10mm Screened Sandy Loam	☐
Horse Manure 02 01 06	10mm Compost	☐
Other	Other	☐
Tonnes/Cubic Metres	Tonnes/Cubic Metres	
	<u>1x8 wheeler load</u>	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: GD concepts

Address: Dappers lane Angmering

Driver

Signature: [REDACTED]

I confirm that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 21241

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD concepts Date: 9-12-20

Site Address: Euro green Worthing Time:
Titnore lane north barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	—
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	
	<u>1 x 8 wheeler load</u>	

Vehicle Reg. No:

Company Name Receiving Waste/Material: Greg GD concepts

Address: Dappers lane Angmering

Driver

Signature:

only on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 21243

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD concepts Date: 9-12-20

Site Address: Euro Green Worthing Time:
Titnore Lane North Barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres <u>1 x 8 wheeler load</u>	

Vehicle Reg. No. [REDACTED]

Company Name Receiving Waste/Material: GD concepts

Address: Dappers Lane Angmering

Driver
Signature: [REDACTED]

I confirm that
Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: **CBDU58167**

SIC 2007 CODE: **38210**

PERMIT NO: **EPR/CB707UL**

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

Note No: 21812

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: G.D. Gamson p/s Date: 8/11/20Site Address: Dappers Lane Time:Ammering

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04		10mm Screened Topsoil
Green Waste 20 02 01		10mm Screened Sandy Loam
Horse Manure 02 01 06		10mm Compost
Other		Other
Tonnes/Cubic Metres <u>Topsoil</u>		Tonnes/Cubic Metres

Vehicle Reg. No:

Company Name Receiving Waste/Material: Euro greenAddress: WorthingDriver
Signature:

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167**SIC 2007 CODE: 38210****PERMIT NO: EPR/CB707UL**

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 21813

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GD Concepts Date: 9/12/20

Site Address: Dappers Land Time:

Angmering

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres <u>Topsoil</u>	Tonnes/Cubic Metres	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: Euro green

Address: nothing

Driver

Signature:

Customers ordering vehicles off the public highway do so
entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: C80U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 22406

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GREG GD concepts Date: 14-12-20

Site Address: Euro Green Worthing Time:
Titnore lane north barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	✓
Tonnes/Cubic Metres	Tonnes/Cubic Metres	
	1 x 8 wheeler load	

Vehicle Reg. No: [REDACTED]

Company Name Receiving Waste/Material: GD concepts

Address: Dappers lane Angmering

Driver: [REDACTED]
Signature: [REDACTED] do so

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CBDU58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 22403

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GREG GD concepts Date: 14-12-20

Site Address: Euro green Worthing Time:
Titnore lane north barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres	
	1 x 8 wheeler load	

Vehicle Reg. No.

Company Name Receiving Waste/Material: GD concepts

Address: Dappers lane Angmering

Driver
Signature:

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: CB0U58167

SIC 2007 CODE: 38210

PERMIT NO: EPR/CB707UL

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ

EUROGREEN ENVIRONMENTAL

CONVEYANCE WASTE TRANSFER NOTE

Note No: 22404

SUPPLIERS OF: TOPSOILS AGGREGATES MUCK AWAY COMPOSTS TURF LOGS WOODCHIP

Customer Name: GREG GD concepts Date: 14-12-20

Site Address: Euro green Worthing Time:

Titnore lane north barn Farm

IN	Description Of Waste /EWC Code	OUT
Clean Soil 17 05 04	10mm Screened Topsoil	✓
Green Waste 20 02 01	10mm Screened Sandy Loam	
Horse Manure 02 01 06	10mm Compost	
Other	Other	
Tonnes/Cubic Metres	Tonnes/Cubic Metres <u>1 x 8 wheeler load</u>	

Vehicle Reg. No. [REDACTED]

Company Name Receiving Waste/Material: GD concepts

Address: Dappers lane Angmering

Driver
Signature

[REDACTED]

entirely on their own responsibility

I confirm that I have fulfilled my duty to apply the waste hierarchy as requested by Regulation 12 of the Waste (England and Wales) Regulations 2011.

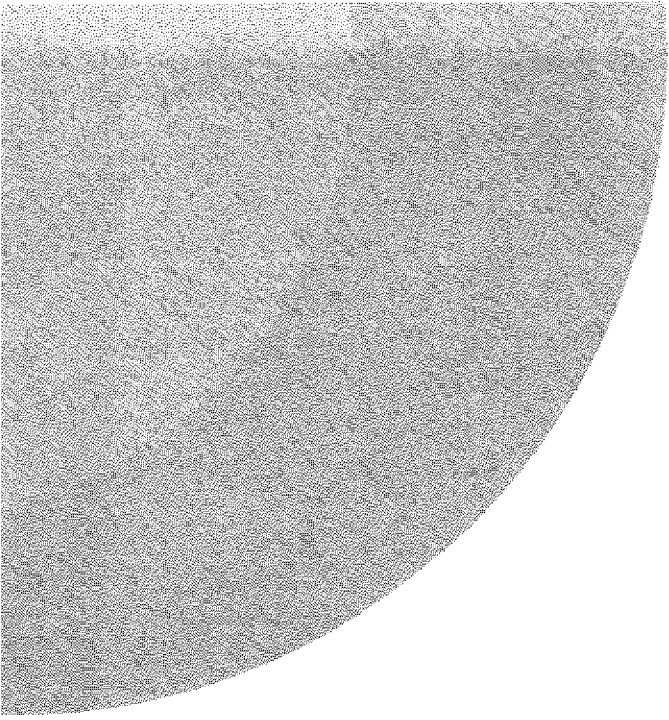
Certified that the above particulars are true and relate to the Waste/Materials being conveyed in the vehicle described, which Waste/Material is being conveyed in pursuance of: a sale or agreement for the sale thereof made by the cubic metre or ton.

CARRIER REG. NO: **CBDU58167**

SIC 2007 CODE: **38210**

PERMIT NO: **EPR/CB707UL**

North Barn Farm, Titnore Lane, Worthing, West Sussex, BN12 6NZ



APPENDIX G – MUCK AWAY TICKETS

Delete as appropriate

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: **GBDU88724**

The Haulage Yard, Dial Post
Horsham, West Sussex RH13 8NY

INERT SOILS COLLECTION

☐ EWC 17 05 04 Soils & Stones
 ☐ EWC 17 01 07 Mixtures of Concrete Bricks, Tiles & Ceramics
 ☐ EWC 17 01 01 Clean Concrete
 ☐ EWC 17 03 02 Bituminous Mixtures (Tarmac)
 ☐ Other

Signed _____

Customers ordering via phone or fax must accept full responsibility for any damage caused to pavements/pathways etc as a result of any delivery.

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer Yellow Copy: Transfer Point Blue Copy: Office Red Copy: [unclear]

COMBINED CONVEYANCE NOTE

for Waste Collected/Materials Supplied

Delete as appropriate

No: **481851**

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: **CBDU88724**

**PENFOLD
VERRALL**

The Haulage Yard, Dial Post
Horsham, West Sussex RH13 8NY

Vehicle Reg No GJ19 ZWC	Driver's full name TAM HARVEY	Date of collection/delivery 10-8-21
Customer MAPLE CONSTRUCTION	Collection point/delivery address DAPPERS LANE ANGMERING	
SIC Code 4312		

Load size & how the load is contained			Weight (if weighbridge available)	
☒ 8-wheel tipper loose	☐ Other (state below)		Gross Weight	
☐ 8-wheel grab loose				
Time on site	Daywork Hire/Waiting Time Time off site	Total hours	Tare Weight	
Description of Waste / Materials carried (<i>Delete as appropriate</i>)			Nett Weight	
☐ Supplied ☐ Hauled ☒ Removed				

INERT SOILS COLLECTED

☐ **CL:AIRE**
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 Soils & Stones	☐ EWC 17 01 07 Mixtures of Concrete Bricks, Tiles & Ceramics	☐ EWC 17 01 01 Clean Concrete	☐ EWC 17 03 02 Bituminous Mixtures (Tarmac)	☐ Other
---	---	---	--	--------------------------------

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 19 of the WFA 2002

Sign

Customer
accepts

Transfer Point

Site Operator

Date of Transfer

Address of transfer point

Time of transfer

Signed by transferor (Driver)

Permit/exemption no:
(where applicable)

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer Yellow Copy: Transfer Point Blue Copy: Office Green Copy: Office

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: CBDU88724

www.peterborough.gov.uk

144 324

Customer

Driver's full name
JOHN WRIGHT

Date of collection/delivery
16 2 21

Collection point/delivery address

DARPER'S LAKE

ANEMERDING

SIC Code

ad size & how the load is contained

☒ 8-wheel tipper loose

☐ Other (state below)

Weight (if weighbridge available)

☐ 8-wheel grab loose

Gross Weight

Time on site

Daywork/Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied

☐ Hauled

☒ Removed

Nett Weight

☐ CL:AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures

Bricks, Tiles & Ceramics

(Tramadol)

I, the undersigned, hereby certify that the above information is true and correct to the best of my knowledge and belief, and I accept full responsibility for any damage caused to pavements/paths etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

144324

Customer

ED Group

Driver's full name
JOHN WRIEHT
Collection point/delivery address
DARRELS LANE
ANDERLEIGH

Date of collection/delivery
16 2 21

SIC Code

Load size & how the load is contained

☒ wheel tipper loose

☐ Other (state below)

☐ 8-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Net Weight

Description of Waste / Materials carried (Detail as appropriate)

☐ Supplied ☐ Hauled ☒ Removed

ITEMS SOILS ALLOY

☐ CL:AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other

Soils & Stones Mixtures of Concrete Clean Concrete Bituminous Mixtures
Bricks, Tiles & Ceramics (Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

R. EED

Date of Transfer

Customer

Driver's full name
Ian Church

Date of collection/delivery
16.2.21

SIC Code

G D Group
4312

DAD PERS have
Angermeins

Load size & how the load is contained

☒ 8-wheel tipper loose ☐ Other (state below)

☐ -wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Nett Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☒ Removed

hard Soil Asphy

E.W.C Code (where applicable)

☒ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures
(Tarmac)

Bricks, Tiles & Ceramics

☐ CL:AIRE
Code of Practice Transfer

By signing this transfer note 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.

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Address of transfer point

Time of transfer

144 324

Customer

C D Group

Collection point/delivery address

DAPPERS HALL
AVERMERE

Driver's full name

JOHN WRIGHT

Date of collection/delivery

16 2 21

SIC Code

rd size & how the load is contained

☒ 4-wheel tipper loose

☐ Other (state below)

Weight (if weighbridge available)

☐ 8-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Gross Weight

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied

☐ Hauled

☒ Removed

Nett Weight

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bricks, Tiles & Ceramics

Bituminous Mixtures (Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

INERT Soils ALJAY

CL:AIRE

Code of Practice Transfer

Transfer Point

Site Operator

Date of Transfer

accr. full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

R. FFA

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: CB0U88724

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC of

Load size & how the load is contained

Weight (if weighbridge available)

☐ B-wheel tipper loose

☐ Other (state below)

☐ B-wheel grab loose

Gross Weight

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Detail as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

Nett Weight

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bricks, Tiles & Ceramics

Bituminous Mixtures (Tarmac)

CL: AIRE

Code of Practice Transfer

Customer's accepting vehicles on the public road so we are not liable for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

☐ 8-wheel tipper loose

☐ Other (state below)

☐ 8-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

Net Weight

☐ Supplied

☐ Hauled

☐ Removed

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures

Bricks, Tiles & Ceramics

[Farmac]

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CB0U88724

Customer	Driver's full name	Date of collection/delivery
Collection point/delivery address		

SIC of the

Load size & how the load is contained	Weight (if weighbridge available)
---------------------------------------	-----------------------------------

☐ 8-wheel tipper loose	☐ Other (state below)	Gross Weight
---	--	--------------

☐ 8-wheel grab loose		
---	--	--

Time on site	Daywork Hire/Waiting Time		Total hours	Tare Weight
	Time on site	Time off site		

Description of Waste / Materials carried (Delete as appropriate)	Net Weight
--	------------

☐ Supplied	☐ Hauled	☐ Removed	
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☐ CL:AIPE	Code of Practice Transfer
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E.W.C Code (where applicable)

☐ EWC 17 05 04	☐ EWC 17 01 07	☐ EWC 17 01 01	☐ EWC 17 03 02	Other
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	-------

Soils & Stones	Mixtures of Concrete	Clean Concrete	Bituminous Mixtures
Bricks, Tiles & Ceramics			(Farmac)

By signing this transfer note 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

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator	Date of Transfer
---------------	------------------

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: CB0U88724

Driver's full name

Customer

Collection point/delivery address

Site

Load size & how the load is contained

Weight (if weighbridge available)

☐ 8-wheel tipper loose ☐ Other (state below)

☐ 8-wheel grab loose

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Description of Waste / Materials carried (Detail as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

Gross Weight

Tare Weight

Nett Weight

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other

Soils & Stones Mixtures of Concrete Clean Concrete Bituminous Mixtures

Bricks, Tiles & Ceramics (Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk, by signing this transfer note I accept full responsibility for any damage caused to pavements/paths etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

☐ CL:AIPE
Code of Practice Transfer

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

☐ 8-wheel tipper loose

☐ Other (state below)

☐ 8-wheel grab loose

Time on site

Daywork/Hire/Waiting Time

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Description of Waste / Materials carried (Details as appropriate)

☐ Supplied

☐ Hauled

☐ Removed

CL:AIRE

Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures (Tarmac)

Bricks, Tiles & Ceramics

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pedways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Customer	Driver's full name	Date of collection/delivery
Collection point/delivery address		

SIC Code

and size & how the load is contained

☐ 8-wheel tipper loose ☐ Other (state below)
☐ 8-wheel grab loose

Daywork Hire/Waiting Time		Total hours	Tare Weight	Net Weight	
Time on site	Time off site				

Description of Waste / Materials carried (Details as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

☐ CL: AIRE
 Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other
 Soils & Stones Mixtures of Concrete Clean Concrete Bituminous Mixtures
 Bricks, Tiles & Ceramics (Tarmac)

By signing this transfer note 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

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator	Date of Transfer
---------------	------------------

Customer	Driver's full name	Date of collection/delivery
	Collection point/delivery address	

SIC Code

Load size & how the load is contained

☐ 8-wheel tipper loose
 ☐ Other (state below)
 ☐ 8-wheel grab loose

Daywork Hire/Waiting Time		Total hours	Tare Weight	Nett Weight
Time on site	Time off site			

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied
 ☐ Hauled
 ☐ Removed

☐ CL:AIRE
 Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04
 ☐ EWC 17 01 07
 ☐ EWC 17 01 01
 ☐ EWC 17 03 02
 Other

Soils & Stones
 Mixtures of Concrete
 Bricks, Tiles & Ceramics
 Burntious Mixtures (Tarmac)

By signing this transfer note 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

Customers ordering vehicles on site please read and accept the terms and conditions of use of the vehicle and accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Customer	Driver's full name	Date of collection/delivery
Collection point/delivery address		

SIC Code

Load size & how the load is contained

☐ 8-wheel tipper loose
 ☐ Other (state below)

☐ 8-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied
 ☐ Hauled
 ☐ Removed

Net Weight

CL:AIRE

Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04
 ☐ EWC 17 01 07
 ☐ EWC 17 01 01
 ☐ EWC 17 03 02
 Other

Soils & Stones
 Mixtures of Concrete
 Clean Concrete
 Bituminous Mixtures
 Bricks, Tiles & Ceramics
 (Farmac)

I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this Transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

Weight (if weighbridge available)

☐ 8-wheel tipper loose

☐ Other (state below)

☐ 8-wheel grab loose

Gross Weight

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied

☐ Hauled

☐ Removed

Nett Weight

CL: AIRE

☐ Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 04 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bricks, Tiles & Ceramics

Bituminous Mixtures (Tarmac)

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

Weight (if weighbridge available)

☐ 8-wheel tipper loose ☐ Other (state below)

☐ 8-wheel grab loose

Gross Weight

Time on site

Daywork/Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

Net Weight

☐ CL:AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures

Bricks, Tiles & Ceramics

[Armac]

By signing this transfer note 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

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

Weight (if weighbridge available)

☐ B-wheel tipper loose

☐ Other (state below)

☐ B-wheel grab loose

Gross Weight

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied

☐ Hauled

☐ Removed

Net Weight

☐ CL-AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures
(Tarmac)

By signing this transfer note 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

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Registered Carrier No: CB0U88724

Customer

oad size & how the load is contained

☐ 8-wheel tipper loose ☐ Other (state below)

☐ 8-wheel grab loose

Daywork Hire/Waiting Time	Time on site	Time off site	Total hours

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

CL:AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

EWG 17 05 04	EWG 17 01 07	EWG 17 01 01	EWG 17 08 02	Other
☐	☐	☐	☐	☐

Soils & Stones Mixtures of Concrete Clean Concrete Bituminous Mixtures

Bricks, Tiles & Ceramics (Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note, except full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site OperatorDate of Transfer

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CB088724

TEL: 01409 240000

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

Weight (if weighbridge available)

☐ 8-wheel tipper loose ☐ Other (state below)

☐ 8-wheel grab loose

Gross Weight

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

Nett Weight

☐ CL:AIPE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 ☐ Other

Soils & Stones
Mixtures of Concrete
Bricks, Tiles & Ceramics
Clean Concrete
Bituminous Mixtures (Tarmac)

By signing this transfer note 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

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CBDU88724

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

☐ B-wheel tipper loose

☐ Other (state below)

☐ B-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Weight (if weighbridge available)

Gross Weight

Tare Weight

Description of Waste / Materials carried (Detail as appropriate)

☐ Supplied

☐ Hauled

☐ Removed

Net Weight

CL:AIPE

Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures

Bricks, Tiles & Ceramics

(Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Customers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CBDU88724

Driver's full name

Date of collection/delivery

Customer

Collection point/delivery address

SIC Code

Load size & how the load is contained

Weight (if weighbridge available)

☐ 8-wheel tipper loose ☐ Other (state below)

☐ 8-wheel grab loose

Gross Weight

Time on site

Daywork/Hire/Waiting Time
Time off site

Total hours

Tare Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

Nett Weight

☐ CL:AIPE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bricks, Tiles & Ceramics

Bituminous Mixtures (Tarmac)

By signing this transfer note I confirm that I have fulfilled my duty to apply the waste hierarchy as

Carriers ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site Operator

Date of Transfer

Registered Carrier No: CBDU88724

Customer

Collection point/delivery addressDate of collection/deliverySIC Code

Load size & how the load is contained

☐ 8-wheel tipper loose ☐ Other (state below)☐ 8-wheel grab loose

Time on site	Daywork Hire/Waiting Time	Time off site
1	1	1

Time off siteTotal hoursWeight (if weighbridge available)

**Gross
Weights**

Tare
Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☐ Removed

☐ Hauled

☐ Removed

**Nett
Weight**

CL:AIPE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04	☐ EWC 17 01 07	☐ EWC 17 01 01	☐ EWC 17 03 02	Other
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	-------

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bricks, Tiles & Ceramics

Bicuminous Mixtures (Tarmac)

By signing this transfer note 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

C. I hereby ordering vehicles off the public road do so entirely at their own risk. By signing this transfer note I accept full responsibility for any damage caused to pavements/pathways etc as a result of any such request.

Transfer Point

Site OperatorDate of Transfer

COMBINED CONVEYANCE NOTE

for Waste Collected/Materials Supplied

Delete as appropriate

No: 479800

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CBDU88724

PENFOLD VERRALL

The Haulage Yard, Dial Post
Horsham, West Sussex RH13 8NY

Vehicle Ref

Driver's full name

JAM HARVEY

10.8.11

Customer

Collection point/delivery address

MAPLE
CONSTRUCTION

DAPPERS LANE

ANGMERING

SIC Code

43.12

Load size & how the load is contained

☒ 8-wheel tipper loose

☐ Other (state below)

☐ 8-wheel grab loose

Weight (if weighbridge available)

Gross
Weight

Time on site

Daywork Hire/Waiting Time

Time off site

Total hours

Tare
Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied

☐ Hauled

☒ Removed

Nett
Weight

INERT SOILS COLLECTED

CL: AIRE

Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04

☐ EWC 17 01 07

☐ EWC 17 01 01

☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures

Bricks, Tiles & Ceramics

(Tarmac)

By signing this transfer note 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

Signature

Customer
acceptance

Transfer Point

Site Operator

Date of Transfer

Address of transfer point

Time of transfer

Signed by transferor (Driver)

Permit/exemption no.
(where applicable)

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer

Yellow Copy: Transfer Point

Blue Copy: Office

Green Copy: Office

COMBINED CONVEYANCE NOTE

for Waste Collected/Materials Supplied

*Delete as appropriate***PENFOLD
VERRALL**The Haulage Yard, Dial Post,
Horsham, West Sussex, RH13 8NYNo: **479799**

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CBDU88724

Vehicle

Driver's full name

Date of Collection/Delivery

Customer

Collection point/delivery address

MAPLE
CONSTRUCTIONDAPERS LANE
ANGMERING

SIC Code

4312

Load size & how the load is contained

Weight (if weighbridge available)

☒ 8-wheel tipper loose☐ Other (state below)Gross
Weight☐ 8-wheel grab loose

Daywork Hire/Waiting Time

Time on site

Time off site

Total hours

Tare
WeightDescription of Waste / Materials carried *(Delete as appropriate)*☐ Supplied☐ Hauled☒ RemovedNett
Weight

INERT SOILS COLLECTED

CL:AIRE

Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04☐ EWC 17 01 07☐ EWC 17 01 01☐ EWC 17 03 02

Other

Soils & Stones

Mixtures of Concrete

Clean Concrete

Bituminous Mixtures
(Tarmac)

Bricks, Tiles & Ceramics

By signing this transfer note 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

Signed

Customer
accepts

Transfer

Site Operator

Date of Transfer

Address of transfer point

Time of transfer

Signed by transferor

Permit/exemption no:
(where applicable)**Maximum 15 minutes for machine loading after which the permit expires**

White Copy: Customer

Yellow Copy: Transfer Note

Blue Copy: Haulage Note

COMBINED CONVEYANCE NOTE
for Waste Collected/Materials Supplied
Delete as appropriate

**PENFOLD
VERRALL**

The Haulage Yard, Dial Post,
Horsham, West Sussex RH13 8NY

No: **479797**

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: **CBDU88724**

Driver's full name TAM WARLEY		Date 10.8.21
Collection point/delivery address MAPLE CONSTRUCTION 43.12 DAPPERS LANE ANGMERING		
SIC Code		

Load size & how the load is contained			Weight (if weighbridge available)	
☒ 8-wheel tipper loose	☐ Other (state below)		Gross Weight	
☐ 8-wheel grab loose				
Time on site	Daywork Hire/Waiting Time Time off site	Total hours	Tare Weight	
Description of Waste / Materials carried <i>(Delete as appropriate)</i> ☐ Supplied ☐ Hauled ☒ Removed			Nett Weight	

INERT SOILS

CL:AIRE

Code of Practice Transfer

E.W.C Code (where applicable)

COLLECTED

☐ EWC 17 05 04 Soils & Stones	☐ EWC 17 01 07 Mixtures of Concrete Bricks, Tiles & Ceramics	☐ EWC 17 01 01 Clean Concrete	☐ EWC 17 03 02 Bituminous Mixtures (Tarmac)	Other
---	---	---	--	-------

By signing this transfer note 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

Signed on behalf of

Customers ordering vehicles off the public road do so entirely at their own risk. The customer must accept full responsibility for any damage caused to pavements, footpaths or roads.

Transfer Point

Site Operator	Date of Transfer
Address of transfer point	Time of transfer
Permit/exemption no: (where applicable)	Signed by transferee (Driver)

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer Yellow Copy: Transfer Point Blue Copy: Office

COMBINED CONVEYANCE NOTE

for Waste Collected/Materials Supplied

Delete as appropriate

No: 479798

Duty of Care/Controlled Waste Transfer note

Registered Carrier No: CBDU88724

PENFOLD VERRALL

The Haulage Yard, Dial Post
Horsham, West Sussex, BN13 8NY

Customer MARE CONSTRUCTION		Driver's full name JAM WARLEY	Date 10.8.21
SIC Code 43.12		Collection point/delivery address DAPPERS LANE ANGMERING	
Load size & how the load is contained			Weight (if weighbridge available)
☒ 8-wheel tipper loose ☐ Other (state below)			Gross Weight
☐ 8-wheel grab loose			Tare Weight
Time on site	Daywork Hire/Waiting Time Time off site	Total hours	Net Weight
Description of Waste / Materials carried (Delete as appropriate)			
☐ Supplied ☐ Hauled ☒ Removed			
INERT SOILS			☐ CL:AIRE Code of Practice Transfer
E.W.C Code (where applicable) COLLECTED			
☒ EWC 17 05 04 Soils & Stones	☐ EWC 17 01 07 Mixtures of Concrete Bricks, Tiles & Ceramics	☐ EWC 17 01 01 Clean Concrete	☐ EWC 17 03 02 Bituminous Mixtures (Tarmac) Other

By signing this transfer note 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

Signed on behalf of

Customers ordering vehicles off the public road do so at their own risk and they will accept full responsibility for any damage caused to pavements/pathways etc as a result of any such use.

Transfer Point

Site Operator

Date of Transfer

Address of transfer point

Time of transfer

Signed by transferee (Driver)

Permit/exemption no:
(where applicable)

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer Yellow Copy: Transfer Point Blue Copy: Office

COMBINED CONVEYANCE NOTE

for Waste Collected/Materials Supplied

Delete as appropriate

No: 481852

Duty of Care/Controlled Waste Transfer note
Registered Carrier No: CBDU88724

PENFOLD VERRALL

The Haulage Yard, Dial Post
Horsham, West Sussex RH13 8NY

Vehicle No: [REDACTED] Driver's full name: JAY HANNEY Date of collection/delivery: 10.3.21

Customer: MAPLE
CONSTRUCTION

Collection point/delivery address: DAPPERS LANE
ANGMERING

SIC Code: 4312

Load size & how the load is contained

☒ 8-wheel tipper loose ☐ Other (state below)
☐ 8-wheel grab loose

Weight (if weighbridge available)

Gross
Weight

Time on site Daywork Hire/Waiting Time
Time off site Total hours

Tare
Weight

Description of Waste / Materials carried (Delete as appropriate)

☐ Supplied ☐ Hauled ☒ Removed

Nett
Weight

INERT SOILS COLLECTED

☐ CL:AIRE
Code of Practice Transfer

E.W.C Code (where applicable)

☐ EWC 17 05 04 ☐ EWC 17 01 07 ☐ EWC 17 01 01 ☐ EWC 17 03 02 Other
Soils & Stones Mixtures of Concrete Clean Concrete Bituminous Mixtures
Bricks, Tiles & Ceramics (Tarmac)

By signing this transfer note 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

Sign

Cust

accept full responsibility for any damage caused to pavements/pathways etc as a result of

Transfer Point

Site Operator

Date of Transfer

Address of transfer point

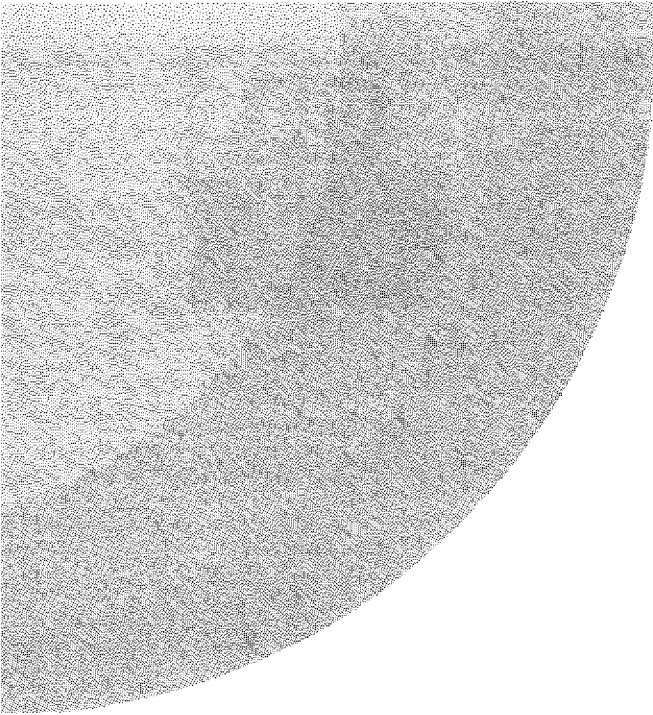
Time of transfer

Signed by transferee (Driver)

Permit/exemption no:
(where applicable)

Maximum 15 minutes for machine loading after which waiting time applies

White Copy: Customer Yellow Copy: Transfer Point Blue Copy: Office



APPENDIX H – WATCHING BRIEF



12th November 2021
Ref: Dappers Lane, Angmering, West Sussex

GD Concepts
Woodmans Arms
Hammerpot
Angmering
West Sussex
BN16 4EU

FAO: Ryan Gunn – Impact Geotechnical Ltd

Dappers Lane, Angmering, West Sussex

This statement is to confirm the Watching Brief procedure carried out in relation to the remediation strategy and planning condition as set in relation to the above site.

The Watching Brief was carried out by Mr Michael Mannion of Maple Construction Ltd who has over 30 years of experience in the building and development trade. Mr Mannion carried out the Watching Brief during the first phase of groundworks, during further excavations, reduce dig and sub structure works. Furthermore, Mr Mannion supervised import of materials and topsoil.

Following the Watching Brief and conclusion of site works, Mr Mannion can confirm that no evidence of contamination, other than that encountered during previous investigations, was identified during development works. Furthermore, the requirements of the planning conditions have been implemented.

Yours Sincerely

A black rectangular box redacting the signature of the sender.

Glenn Gasson
Technical Manager
Gd Concepts Ltd.



Basepoint, Little High Street, Shoreham by sea, West Sussex, BN43 5EG
Telephone: 01273 455521 Company registration: 1453105 VAT: 99549292

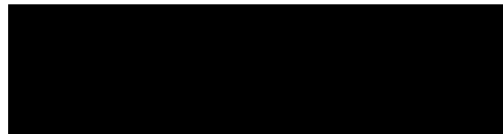
Merry England Nurseries, Dappers Lane, Angmering, Bn16 4QG

CONTAMINATED SOIL STORAGE

Monday, 07 June 2021

Prepared For GD Homes

4 Issues Identified



Shane Noone

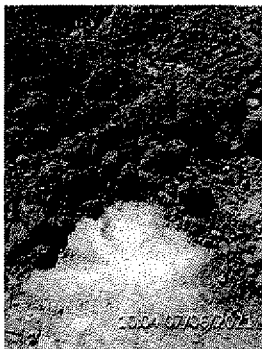
GD Homes



Muck Away

Assigned To Site Team

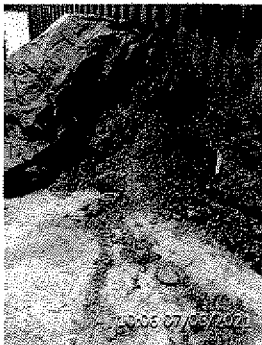
Contaminated soil stored at depot point and covered to prevent run off from rain and dust blow off during dry weather.



Muck Away

Assigned To Site Team

Removed soil is placed on OSB boards to prevent contamination of the ground upon which it is stored.



Muck Away

Assigned To Site Team

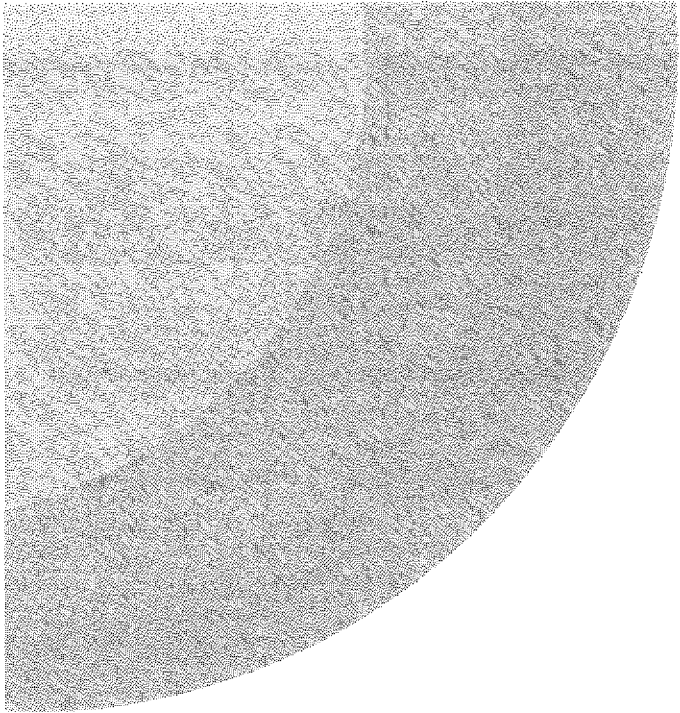
Further evidence of soil depot covering and under boarding.



Muck Away

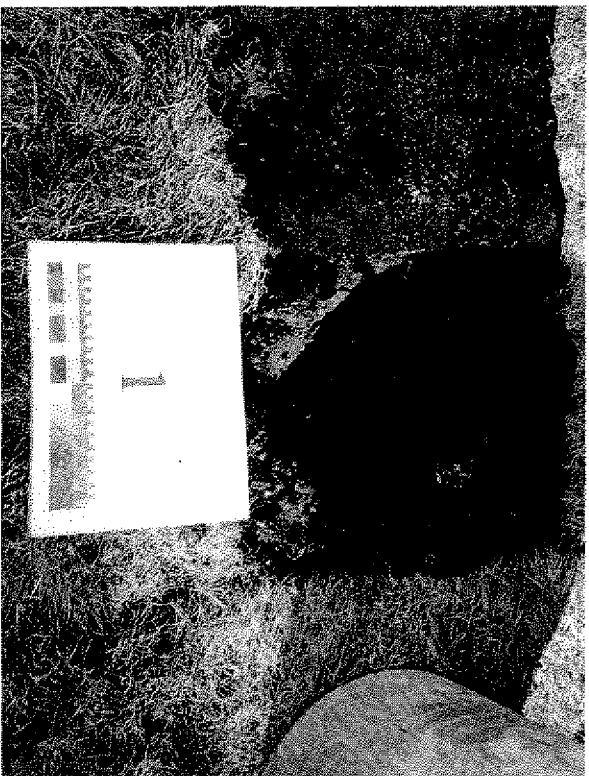
Assigned To Site Team

Further evidence of underboarding to soil heap which is being removed from site.

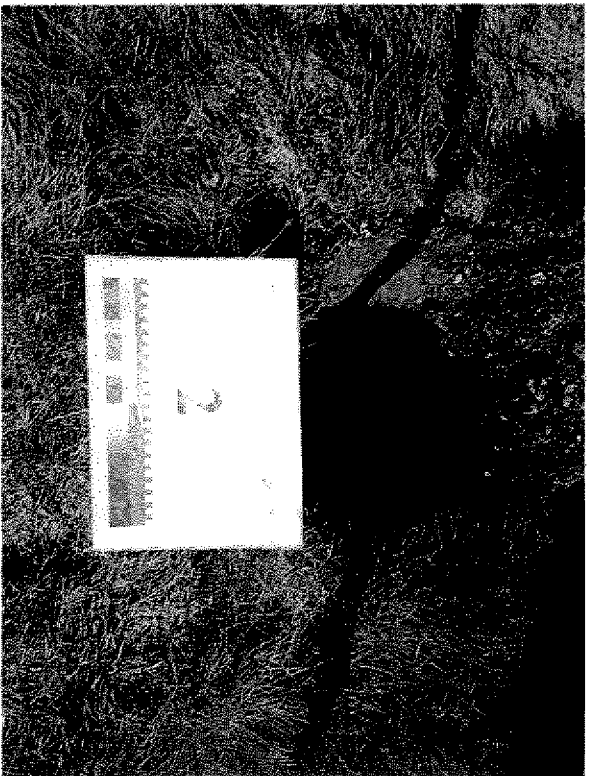


APPENDIX I – PHOTOGRAPHIC LOG

1.



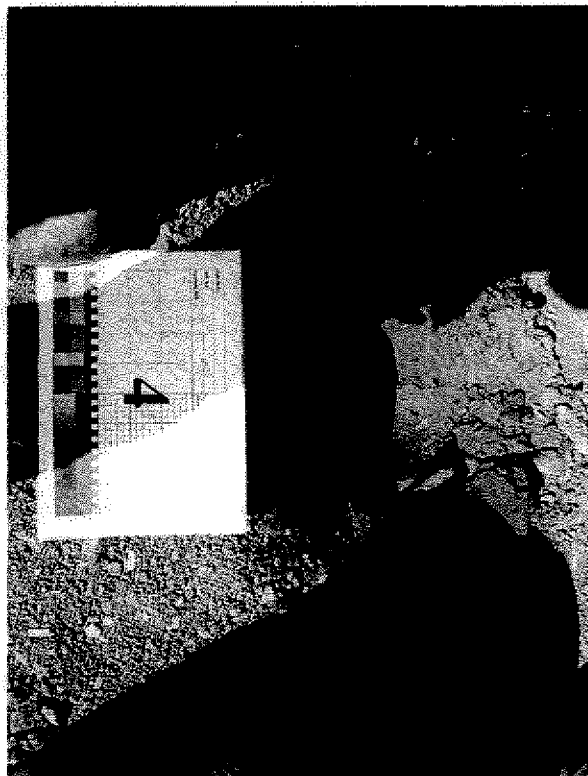
2.



3.



4.



Validation Photographs

Project Ref: P21.158

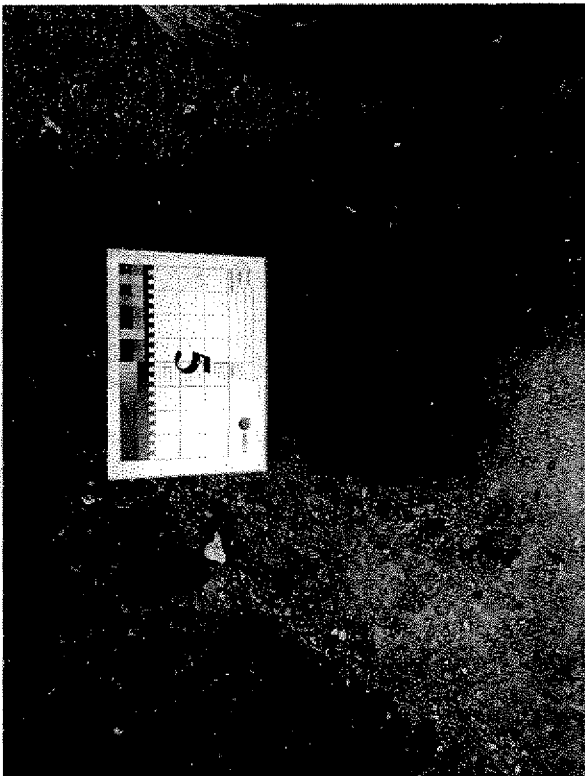
Site Name: Merry England, Dappers Lane

- 1. Validation Trial Pit 1
- 2. Validation Trial Pit 2
- 3. Validation Trial Pit 3
- 4. Validation Trial Pit 4

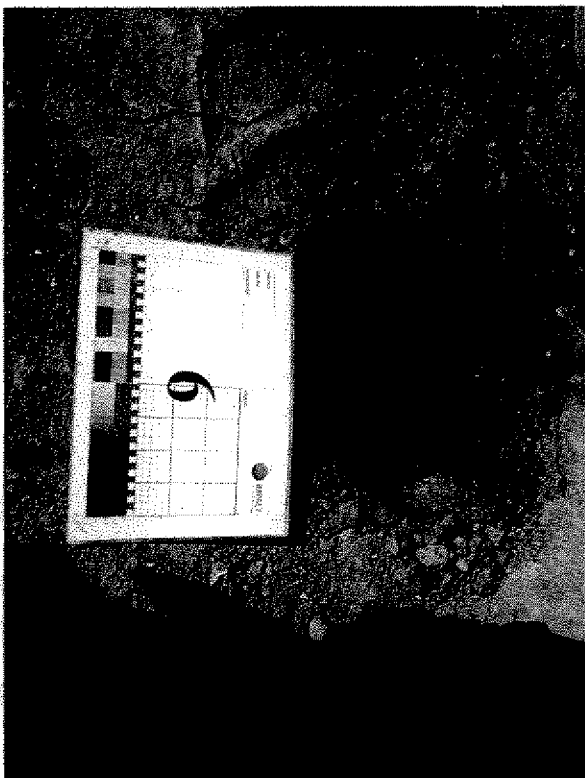


IMPACT
GEOTECHNICAL

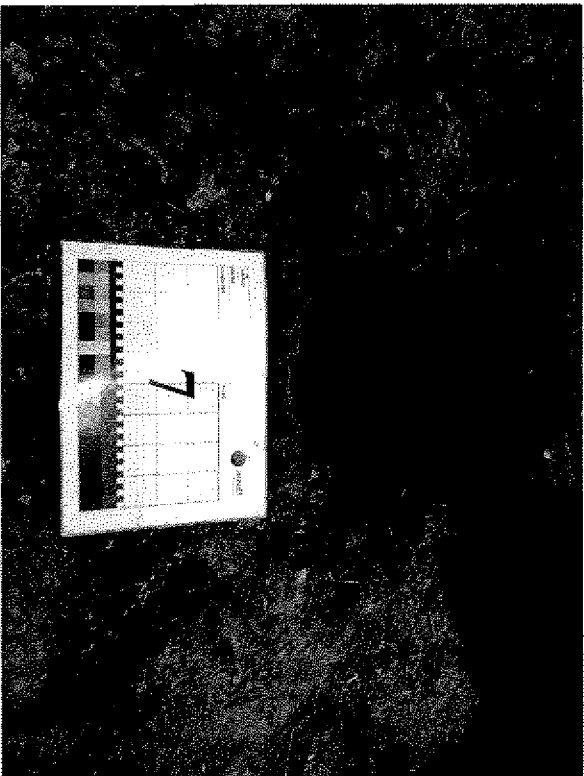
5.



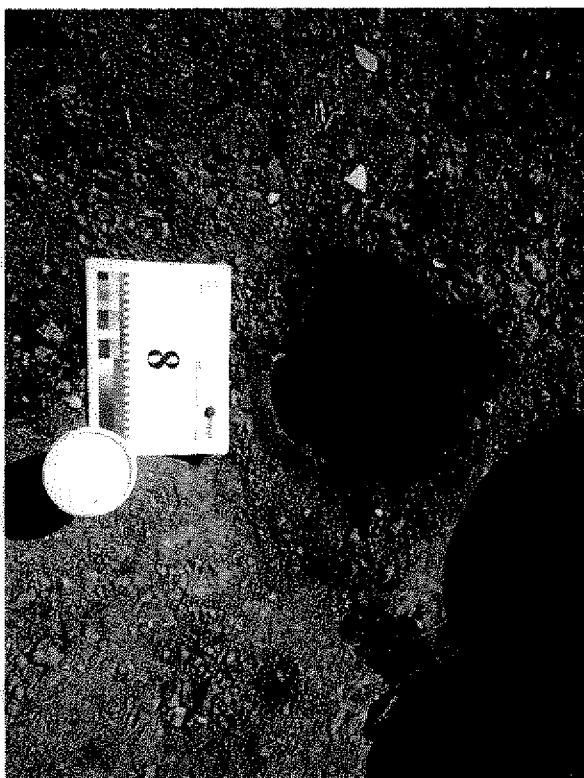
6.



7.



8.



Investigation Photographs

Project Ref: P21.158

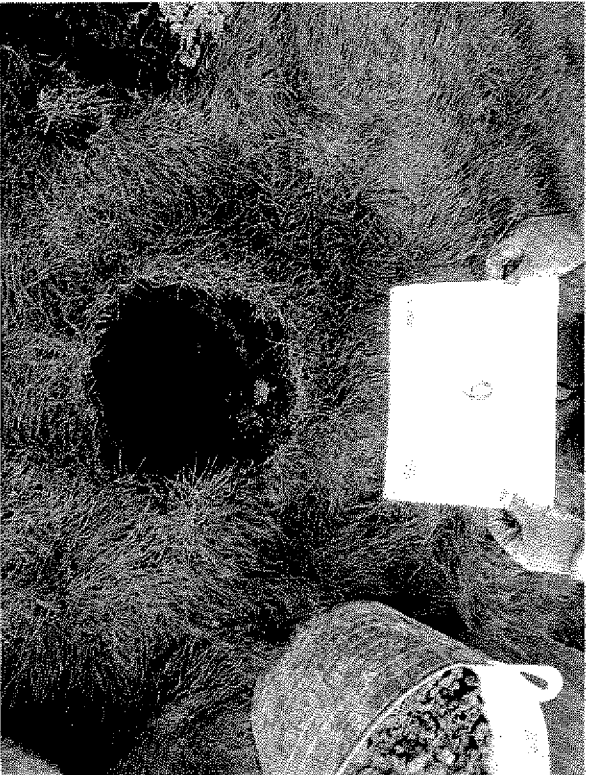
Site Name: Merry England, Dappers Lane

- 5. Validation Trial Pit 5
- 6. Validation Trial Pit 6
- 7. Validation Trial Pit 7
- 8. Validation Trial Pit 8

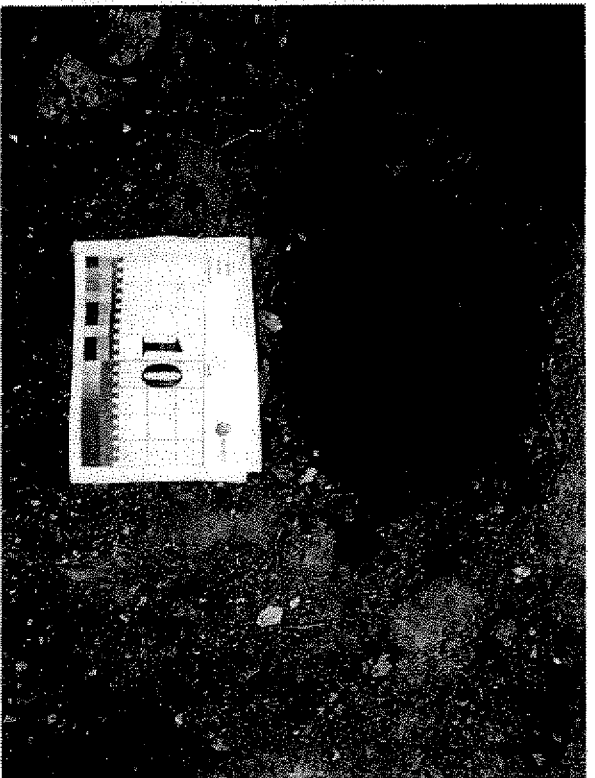


IMPACT
GEOTECHNICAL

9.



10.



11.



12.



Investigation Photographs

Project Ref: P21.158

Site Name: Merry England, Dappers Lane

- 9. Validation Trial Pit 9
- 10. Validation Trial Pit 10
- 11. Validation Trial Pit 11
- 12. Validation Trial Pit 12

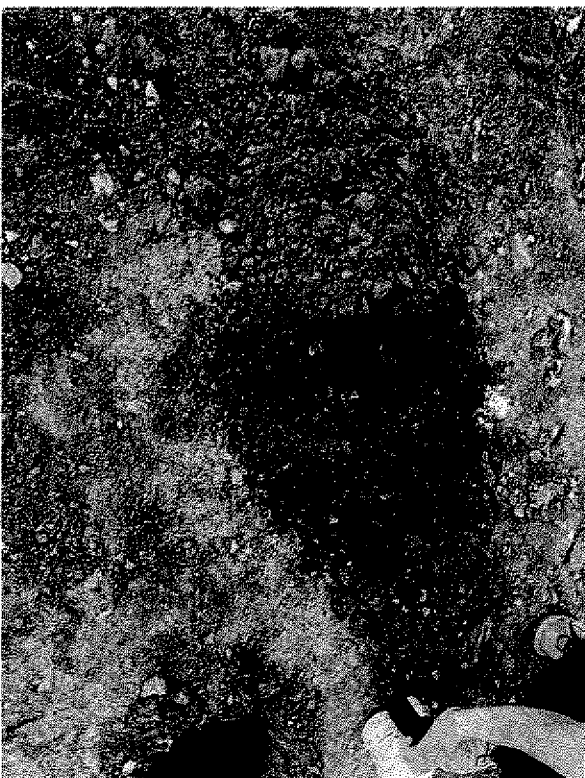


IMPACT
GEOTECHNICAL

13.



14.



15.



16.



Investigation Photographs

Project Ref: P21.158

Site Name: Merry England, Dappers Lane

- 13. Validation Trial Pit 14
- 14. Validation Trial Pit 15
- 15. Validation Trial Pit 16
- 16. Topsoil – Stockpile #1

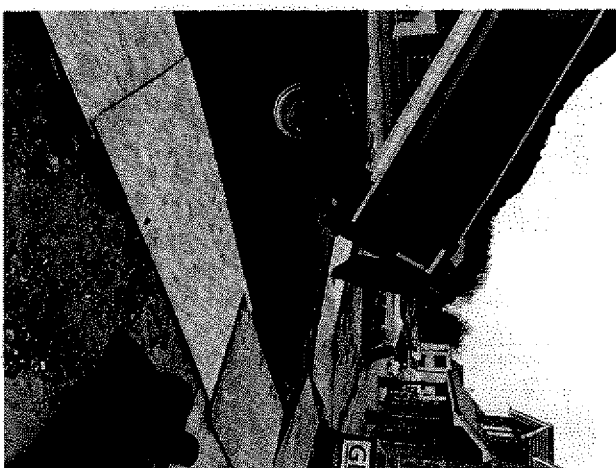


IMPACT
GEOTECHNICAL

17.



18.



19.



20.



Investigation Photographs

Project Ref: P21.158

Site Name: Merry England, Dappers Lane

17. Topsoil – Stockpile #2

18. Topsoil delivery – November 2021.

19. Laying topsoil in Plots 9 and 10

20. Laying topsoil in Plots 9 and 10

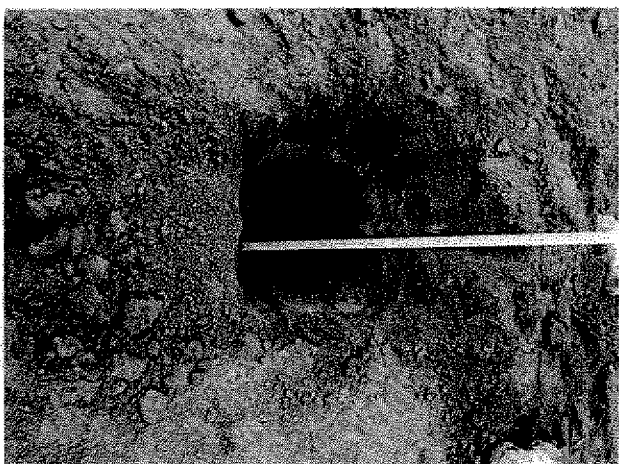


IMPACT
GEOTECHNICAL

21.



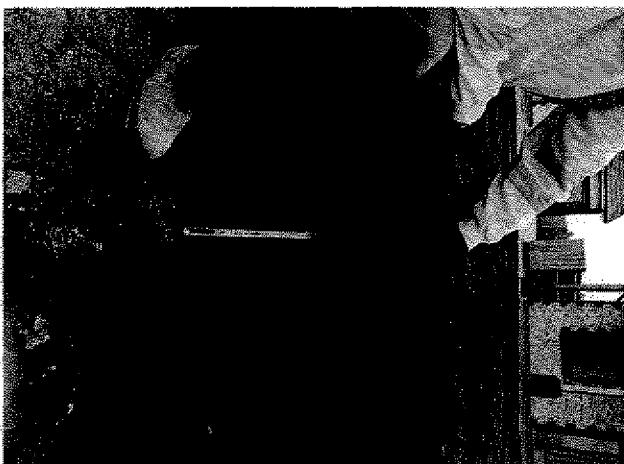
22.



23.



24.



Investigation Photographs

Project Ref: P21.158
Site Name: Merry England, Dappers Lane

- 21. Laying topsoil in Plot 5
- 22. Topsoil recorded to be 600mm thick in Plot 5
- 23. Laying topsoil in Plot 6
- 24. Topsoil recorded to be 600mm thick in Plot 6



IMPACT
GEOTECHNICAL

25.



26.



27.



28.



Investigation Photographs

Project Ref: P21.158

Site Name: Merry England, Dappers Lane

- 25. Laying topsoil to Plot 14 and 15
- 26. Laying topsoil to Plot 17 and 18
- 27. Laying topsoil to Plot 17 and 18
- 28. Scrapping rear gardens of Plot 13-15



IMPACT
GEOTECHNICAL

