Client

**R. G. Nash and Sons**

Date

**21 June 2022**

Project Reference

**Partridge Green_Verification Report - June 2022**

# Brighthams Farm
# Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ

# CL:AIRE Verification Report 2022


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Figure 1: Site Location Plan

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Figure 3 – Sections Plan (Drawing reference BR/100/101 Rev A)


## APPENDICES


**Appendix 1** Materials Management Plan for Brighthams Farm

**Appendix 2** Photographic records

**Appendix 3** Laboratory Analytical Certificates of Validation Soil Samples

**Appendix 4** Signed Delivery Tickets

**Appendix 5** CL:AIRE Declarations for Brighthams Farm

# 1. INTRODUCTION

## 1.1 Background

Matthews (Sussex) Limited (herein referred to as "Matthews") was commissioned by the client, R.G Nash & Sons, to undertake earthworks at their property at Brighthams Farm, Bines Road, Partridge Green, West Sussex, RH13 8EQ ("the site").

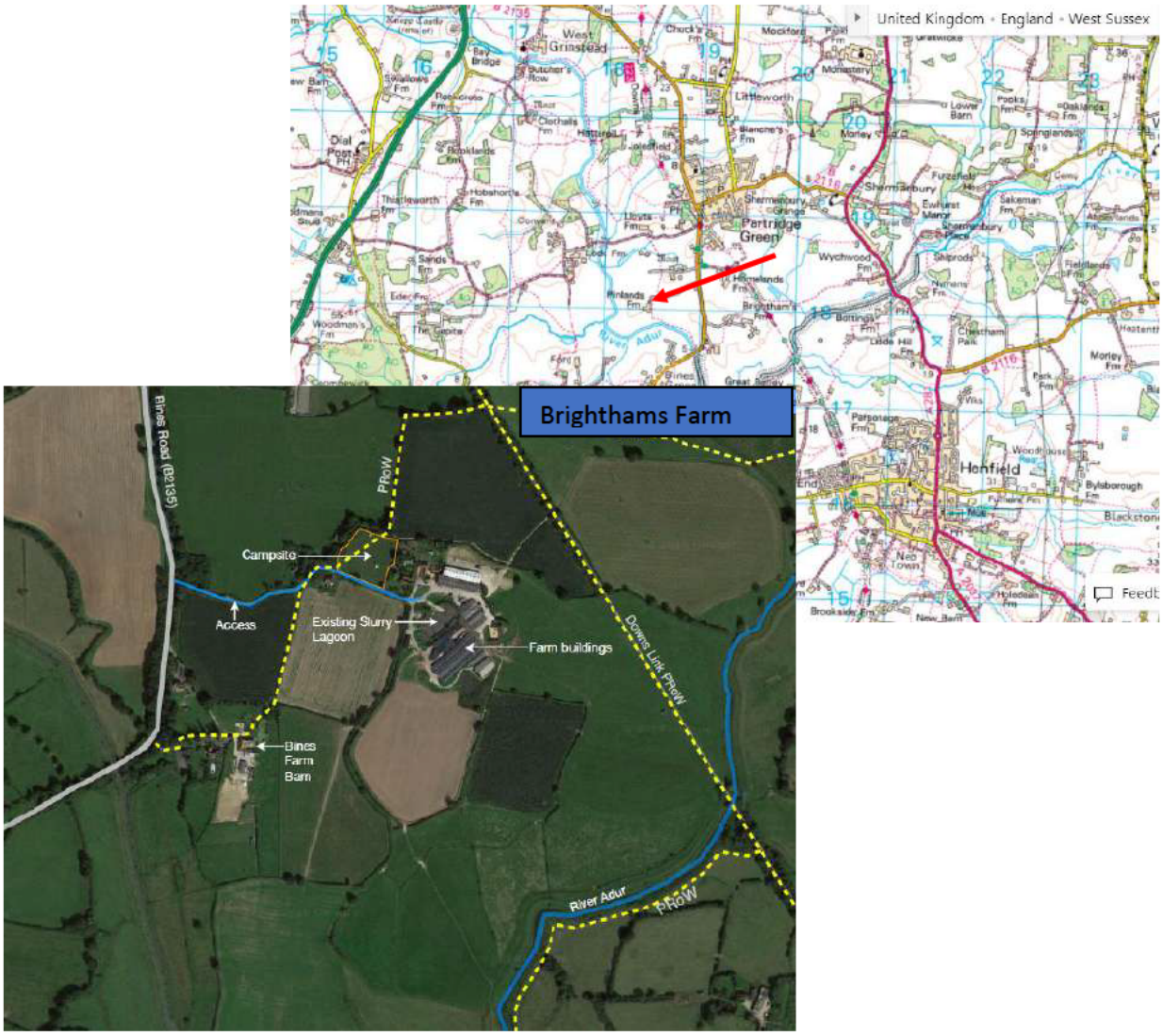


Figure 1: Site location plan

The earthworks comprised the importation and placement of clean, naturally occurring, inert soils and sub-soils (also referred to as "materials"), to redevelop the practice golf course.

Matthews has completed the importation and placement of the materials at Brighthams Farm Slurry Lagoon, Partridge Green under the CL:AIRE Definition of Waste Code of Practice ("DoW CoP"), having developed a Materials Management Plan ("MMP") and reviewed intrusive ground investigation data from donor sites to check the suitability of respective donor materials and obtained Declarations for the relevant donor sites from CL:AIRE.

The MMP forms the basis of this Verification Report and is referenced extensively throughout this Verification Report. The latest updated version of the MMP is presented at **Appendix 1**.

### 1.2 Objectives of this Verification Report

The construction of a new slurry lagoon at Brighthams Farm was implemented under Planning (Planning reference DC/18/1063, dated 29th March 2019).

The objective of this Verification report is to demonstrate compliance with the CL:AIRE DoW CoP and the MMP for the site.

## 2. ADHERANCE WITH THE MMP

### 2.1 Site Plans

The earthworks project located immediately to the south of the existing farm, was competed in accordance with the following proposed site plans presented as follows:

Figure 2 – Proposed Slurry Pit (Drawing reference BR/100/100)
Figure 3 – Sections Plan (Drawing reference BR/100/101)
Figure 4 – Trial Pit Location Plan

These site plans are presented within the figure section of this report.

### 2.2 Description of the Project

Brighthams Farm's slurry lagoon was recognised as requiring expansion to provide sufficient storage of slurry produced by the farm cattle herd during winter months, before being the slurry is spread over the farmland in drier months, to comply with existing legislation.

The project resulted in the need to create the new, replacement slurry lagoon, on land immediately to the south of the main farm buildings used for overwintering the agricultural unit's circa 300 head dairy herd.

The development of slurry lagoon was created via slight lowering of existing ground levels, and the provision of a layer of some 850mm of clay along the base of the lagoon, from imported material. The resulting arisings, together with further imported material would then be used to create the surrounding bund of the lagoon. The inner sides of the lagoon was clay lined, whilst the imported material forms a gradual slope on the outer sides of the lagoon to blend with the surrounding topography of the site around the margins of the field.

The eastern and western sides of the new lagoon were assessed to be at approximately 2.4m above existing natural ground level while the southern side, where the land naturally falls away was assessed to be at approximately 3.4m, creating the requisite capacity of the new slurry lagoon of 9,835 cubic metres, inclusive of a freeboard allowance of 500mm.

## 2.3 Use of the materials in accordance with the Design Statement

In the planning of the project, site levels analysis concluded that earthworks required the importation of circa 40,000m3 of material to create the lagoon and reprofile the slopes around the lagoon new contours to gradually blend with the original site contours as stated in the Design Statement for Brightmans Farm.

The works started in November 2019, with the creation of a temporary haul road diverting the access to the site from the farmhouse and other operational farm buildings. The existing layer of topsoil was then stripped and stockpiled on edge of the site for reinstatement at the end of the reprofiling earthworks.

Matthews reviewed site investigation reports put forward as suitable Donor sites, which included the Donor sites' background information, borehole logs and chemical analysis data. Five donor sites were identified as being able to provide a suitable clean, inert and naturally occurring materials for Brightmans Farm in Partridge Green.

The site investigation reports for each of the Donor sites were submitted with the MMP to Ged Duckworth, Qualified Person (QP) with CL:AIRE. The QP submitted the updated MMPs and site reports to CL:AIRE and CL:AIRE issued the Declaration for each of the five Donor Sites.

All materials were brought on to site from December 2019 to September 2021, and placed directly using an excavator and a bulldozer, without the need to stockpile. Placement of the original topsoil above the imported material was delayed to the spring of 2022 due to poor weather condition. Photographs of the finished site are presented at **Appendix 2**.

## 2.4 Qualitative Risk Assessment

In preparing the MMP for Partridge Green, Brightmans Farm, Matthews researched the potential contaminative status of the site by reviewing historic maps of the local area and the surrounding area, identified the reported geology beneath the site and potentially active water resource receptors in its proximity. This enabled the development of a Preliminary Conceptual Site Model (CSM) for the site. A qualitative risk assessment was completed, which determined the residual risk rankings of the active source-pathway-receptor linkages identified.

The residual risks of the project identified for groundwater and nearby surface water receptors were deemed to be low to very low. No contaminated soils were imported to site and not suspected contaminated soils were required to be segregated or temporarily stockpiled on site.

The residual risks for on-site residents and ground workers, off-site residents were ranked as low to moderate (e.g. for noise and vibration), based on the use of control measures.

No complaints from the site owner or neighbouring community were received. Dust was maintained to a minimal during dry periods and agreed working hours were observed at all times.

## 2.5 Alterations to the Materials Management Plan

The MMP for Brighthams Farm was initially declared for its first direct transfers in February 2020 from a site located in Beech Hurst, Haywards Heath.

The MMP was then updated four times, to add additional Donor site's details as follows and to amend the volume of the first four Donor sites:

**Table 1: Document Control Summary from the Brighthams Farm MMP**

| | |
|---|---|
| Date issued | 05/02/2020 |
| Revision date #1 | 09/03/2020 |
| Revision date #2 | 20/06/2020 |
| Revision date #3 | 16/03/2021 |
| Revision date #4 | 20/07/2021 |
| Summary of revision 1 | Addition of Donor 3 |
| Summary of revision 2 | Addition of Donor 4 |
| Summary of revision 3 | Addition of Donor 5 |
| Summary of revision 4 | Volume review |

On project closure, the volume received from the fourth and fifth Donor sites appeared to be less than initially estimated. Individual Donors' volumes received at the site are presented in **Table 3** below.

**Table 2: Breakdown of Donor sites**

| Donor Sites | Declaration Ref | Volumes predicted (m3) in the MMP | Revised volume in MMP revision 4 |
|---|---|---|---|
| 1 Darby Groundworks Limited, Beech Hurst, Haywards Heath | 06/02/2020 19:57:50 | 2,000 | 4,000 |
| 2 Landmark, Rocky Lane, Haywards Heath | 06/02/2020 20:03:56 | 2,500 | 5,000 |
| 3 John Reilly Civils, Rocky Lane, Haywards Heath | 09/03/2020 16:58:02 | 3,500 | 5,000 |
| 4 Jackson Civils A2300 Burgess Hill Improvement Scheme | 03/07/2020 10:54:53 | 14,000 | 17,000 |
| 5 Castlelake Holdings, Thakeham, Abingworth Cresent RH20 3EJ | 22/03/2021 16:50:28 | 8,500 | - |
| Totals | | 30,500 | 39,500 |

**Table 3: Material imported summary per Donor sites**

| Donor Sites | Volumes predicted (m3) | Number of loads received | Estimated volume received in m3 |
|---|---|---|---|
| 1 Darby Groundworks Limited,Beech Hurst, Haywards Heath | 4,000 | 530 | 3,710 |
| 2 Landmark, Rocky Lane, Haywards Heath | 5,000 | 719 | 5,033 |
| 3 John Reilly Civils, Rocky Lane, Haywards Heath | 5,000 | 696 | 4,872 |
| 4 Jackson Civils A2300 Burgess Hill Improvement Scheme | 17,000 | 2,315 | 16,205 |
| 5 Castlelake Holdings, Thakeham, Abingworth Cresent RH20 3EJ | 8,500 | 1,235 | 8,645 |
| Totals | 39,500 | 5,495 | 38,465 |

## 2.6 Internal QA/QC visual checks and sample analytical data

### 2.6.1 QA/QC activities during live project

The proposed sampling frequency was one sample per 2,000m$^3$ of imported materials, as stated in the Design Statement (at Appendix 1 of the MMP). However, DOWCOP verification requirement does not require chemical testing for naturally occurring material transfer.

Upon reception of material at the receiving site, a trained and competent operative would initially review the quality of the material to confirm the absence of contamination, reporting any irregularity of the imported material to his line manager.

Throughout the project, regular site visit by senior managers were conducted which included visual and olfactive assessment of the imported material. No. 4 spot check samples of the imported material were also collected by the appointed environmental compliance manager on ad hoc site visits along with material quality photographic records.

Soil samples labelled PG1, PG2, PG3 and PG5 were sent to a United Kingdom Accredited Service (UKAS) and Monitoring Certification Scheme (MCERTs) accredited independent laboratory, i2 Analytical Limited, for analysis of:

- WAC full solid suite and 10:1 leachate suite.
- BTEX (2 samples only)
- TPH by CWG (2 samples only)

A summary of the QA/QC material checks is presented in **Table 4** and laboratory analytical certificates are presented at **Appendix 3**.

**Table 4: Summary of verification testing analytical results from spot check samples**

| Determinant | Unit | Inert Waste Landfill Criteria* | MIN | MAX | No. of Samples | No. of Exceedance |
|---|---|---|---|---|---|---|
| **Solid Waste Analysis** | | | | | | |
| TOC ** | % | 300% | 0.4 | 0.8 | 4 | 0 |
| Loss on Ignition ** | % | -- | - | - | - | - |
| BTEX ** | µg/kg | 6000 | < 10 | < 10 | 4 | 0 |
| Sum of PCBs ** | mg/kg | 1 | < 0.007 | < 0.007 | 4 | 0 |
| Mineral Oil | mg/kg | 500 | < 10 | < 10 | 4 | 0 |
| Total PAH (WAC-17) | mg/kg | 100 | 1.7 | 8.9 | 4 | 0 |
| pH ** | Units | -- | - | - | | - |
| Acid Neutralisation Capacity | mol / kg | -- | - | - | | - |
| **Eluate Analysis** (BS EN 12457 - 2 preparation utilising end over end leaching procedure) | | | | | | |
| Arsenic * | mg/kg | 0.5 | < 0.0100 | 0.1 | 4 | 0 |
| Barium * | mg/kg | 20 | 0.1 | 0.1 | 4 | 0 |
| Cadmium * | mg/kg | 0.04 | < 0.0008 | < 0.0008 | 4 | 0 |
| Chromium * | mg/kg | 0.5 | 0.0 | 0.0 | 4 | 0 |
| Copper * | mg/kg | 2 | 0.1 | 0.1 | 4 | 0 |
| Mercury * | mg/kg | 0.01 | < 0.0050 | < 0.0050 | 4 | 0 |
| Molybdenum * | mg/kg | 0.5 | 0.0 | 0.1 | 4 | 0 |
| Nickel * | mg/kg | 0.4 | < 0.0030 | 0.1 | 4 | 0 |
| Lead * | mg/kg | 0.5 | 0.0 | 0.0 | 4 | 0 |
| Antimony * | mg/kg | 0.06 | < 0.017 | < 0.017 | 4 | 0 |
| Selenium * | mg/kg | 0.1 | < 0.040 | < 0.040 | 4 | 0 |
| Zinc * | mg/kg | 4 | 0.0 | 0.1 | 4 | 0 |
| Chloride * | mg/kg | 800 | 22.0 | 70.0 | 4 | 0 |
| Fluoride | mg/kg | 10 | 3.3 | 15.0 | 4 | 2 |
| Sulphate * | mg/kg | 1000 | 140.0 | 470.0 | 4 | 0 |
| TDS* | mg/kg | 4000 | 800.0 | 1200.0 | 4 | 0 |
| Phenol Index (Monohydric Phenols) * | mg/kg | 1 | < 0.10 | < 0.10 | 4 | 0 |
| DOC | mg/kg | 500 | 59.3 | 114.0 | 4 | 0 |
| **Petroleum Hydrocarbons** | | | | | | |
| TPH C10 - C40 / Mineral oil | mg/kg | 10 | < 10 | < 50 | 4 | 0 |
| **Leach Test Information** | | | | | | |
| Stone Content | % | -- | < 0.1 | < 0.1 | 4 | 0 |
| Sample Mass | kg | -- | 0.5 | 1.4 | 4 | 0 |
| Dry Matter | % | -- | 73.0 | 90.0 | 4 | 0 |
| Moisture | % | -- | 10.0 | 27.0 | 4 | 0 |

* = Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)

** = MCERTS accredited

***= UKAS accredited (liquid eluate analysis only)

The results of the 4 No. air-dried soil samples indicated that no compound of potential concern was detected. The WAC analytical results of the soil samples indicate that 2 No. marginal failures for Fluoride (from grab sample ID: PG1 and PG2 collected on 21st and 27th February 2020) as reported in laboratory report number 20-88664 and 20-89739. The test results are

reported at 15mg/kg and 11mg/kg against the inert waste criteria for landfill of 10mg/kg. The material was assessed visually as free from contamination and suitable for use as shown of the photographic records in **Appendix 2**.

### 2.6.2 QA/QC Trial Pits

Due to the insufficient number of spot check samples collected during the live import activity, further verification works were carried out with No. 5 Trial Pits being excavated upon completion of the works. No visual or olfative contaminants were observed during the trial pitting. No. 13 samples were collected, of which No. 9 samples were sent and analysed by the accredited independent laboratory, i2 Analytical Limited, for the following compounds:

- Metals (CLEA suite)
- TPH (C10-C40)
- BTEX
- Speciated PAHs

Full description of the material observed during the trial pitting (including logs and photographic records) is provided in **Appendix 2**.

A summary of the verification sampling, laboratory report no. 22-59950, from the trial pits is presented in **Table 5** and laboratory analytical certificates are presented at **Appendix 3**.

**Table 5: Summary of verification testing analytical results from Trial Pit samples**

| Determinant | Unit | Criteria | MIN | MAX | No. of Samples | No. of Exceedance |
|---|---|---|---|---|---|---|
| Stone Content | % | -- | <0.1 | 11 | 9 | 0 |
| Moisture Content | % | -- | 9.6 | 14 | 9 | 0 |
| Total mass of sample received | kg | -- | 0.8 | 0.8 | 9 | 0 |
| pH - Automated | pH Units | -- | 7.3 | 8.5 | 9 | 0 |
| Arsenic (aqua regia extractable)* | mg/kg | 37 | 9.2 | 16 | 9 | 0 |
| Boron (water soluble) | mg/kg | -- | 0.2 | 1.4 | 9 | 0 |
| Cadmium (aqua regia extractable)* | mg/kg | 11 | < 0.2 | < 0.2 | 9 | 0 |
| Chromium (aqua regia extractable)* | mg/kg | 910 | 19 | 28 | 9 | 0 |
| Copper (aqua regia extractable)* | mg/kg | 200 | 20 | 47 | 9 | 0 |
| Lead (aqua regia extractable)* | mg/kg | 200 | 18 | 35 | 9 | 0 |
| Mercury (aqua regia extractable)* | mg/kg | 7.6-11 | < 0.3 | < 0.3 | 9 | 0 |
| Nickel (aqua regia extractable)* | mg/kg | 110 | 11 | 22 | 9 | 0 |
| Selenium (aqua regia extractable)* | mg/kg | 250 | < 1.0 | < 1.0 | 9 | 0 |
| Zinc (aqua regia extractable)* | mg/kg | 300 | 45 | 160 | 9 | 0 |
| TPH C10 - C40 EH_CU_1D_TOTAL | mg/kg | 500 | <10 | 94 | 9 | 0 |
| Naphthalene | mg/kg | -- | < 0.05 | < 0.05 | 9 | 0 |
| Acenaphthylene | mg/kg | -- | < 0.05 | < 0.05 | 9 | 0 |
| Acenaphthene | mg/kg | -- | < 0.05 | < 0.05 | 9 | 0 |
| Fluorene | mg/kg | -- | < 0.05 | < 0.05 | 9 | 0 |
| Phenanthrene | mg/kg | -- | < 0.05 | 2.7 | 9 | 0 |
| Anthracene | mg/kg | -- | < 0.05 | 0.41 | 9 | 0 |

| Determinant | Unit | Criteria | MIN | MAX | No. of Samples | No. of Exceedance |
|---|---|---|---|---|---|---|
| Fluoranthene | mg/kg | -- | < 0.05 | 5.9 | 9 | 0 |
| Pyrene | mg/kg | -- | < 0.05 | 5.1 | 9 | 0 |
| Benzo(a)anthracene | mg/kg | -- | < 0.05 | 2.5 | 9 | 0 |
| Chrysene | mg/kg | -- | < 0.05 | 2.4 | 9 | 0 |
| Benzo(b)fluoranthene | mg/kg | -- | < 0.05 | 2.6 | 9 | 0 |
| Benzo(k)fluoranthene | mg/kg | -- | < 0.05 | 1.6 | 9 | 0 |
| Benzo(a)pyrene | mg/kg | -- | < 0.05 | 2.8 | 9 | 0 |
| Indeno(1,2,3-cd)pyrene | mg/kg | -- | < 0.05 | 1.4 | 9 | 0 |
| Dibenz(a,h)anthracene | mg/kg | -- | < 0.05 | 0.32 | 9 | 0 |
| Benzo(ghi)perylene | mg/kg | -- | < 0.05 | 1.7 | 9 | 0 |
| Speciated Total EPA-16 PAHs | mg/kg | 100 | < 0.80 | 29.4 | 9 | 0 |
| Benzene | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |
| Toluene | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |
| Ethylbenzene | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |
| p & m-xylene | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |
| o-xylene | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | < 1.0 | < 1.0 | 9 | 0 |

* LQM/CEIH S4UL (2014) - Land Quality Management Ltd

No elevated values of determinant of concerns were reported and no exceedance against the most stringent LQM/CEIH S4UL (2014) criteria for residential properties with home grown produce used as

In summary, the soil analytical data demonstrates the materials imported to Brighthams Farm are free of contamination and overall inert.

## 2.7 Reference to waste transfer documentation

Each load of materials imported to the site was accompanied by a Material Transfer/Conveyance Note and each lorry movement were recorded in an internal tracking system. As summary for all material imported to site from each donor site is presented in **Table 3**.

No imported loads were recorded to be returned to the Donor site due to their unsuitability and examples of delivery tickets are presented in **Appendix 4**.

In summary, a total of 39,500m3 was anticipated to be imported from 5 donor sites. Not all site of origin ended up supplying the anticipated volume of material and was imported which translate to approximately 38,465 m3 of material received on site.

## 2.8 Record of contingency arrangements that had to be implemented

There was no requirement to implement any contingency arrangements.

## 2.9 Copies of signed Declarations by the Qualified Person

The Declarations for the 5 No. Donor Sites used for this project are presented at **Appendix 5** of this report.

# 3. CLOSING STATEMENT

From the 5 Donor sites identified with suitable material for import to Partridge Green, Brightmans Farm, the volume imported is estimated at 38,465 m3 which represent a shortfall of 1,535 m3 compared to the original declared volume requirement of 40,000m3.

The lagoon meets the client's requirement and slope from the lagoon to the site boundary is in keeping with the local landscape and with a small gradient that will remain stable and safe if used as grazed land in the future.

The client is satisfied with the works and plans to seed it in the near future.

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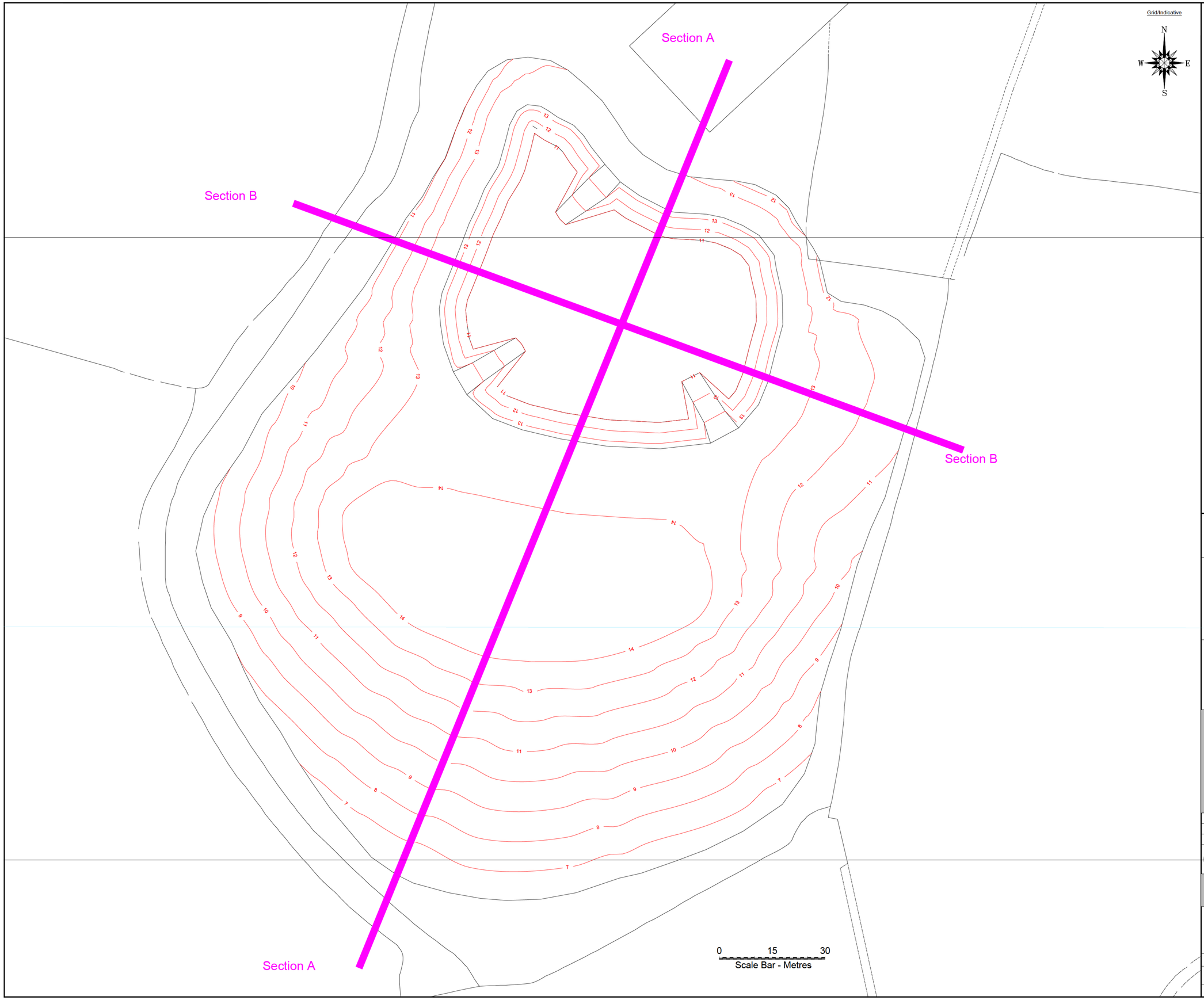
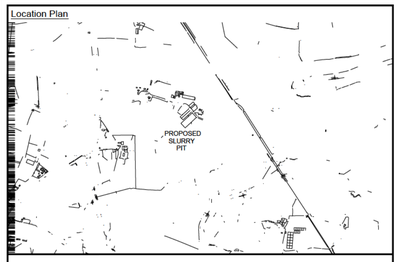
# FIGURES




Location Plan




## LEGEND

BANKING (Top / Bottom)

BUSHES & HEDGES

TREES — MT / 3T / 02 / 6 (Multiple Trunks: No of Trunks; Dia or Bole; Height of Tree)

NOTE:- SPREADS AND HEIGHTS ARE INDICATIVE ONLY

GATES (Single / Double)

WALL — Width drawn to scale 0.23m

BUILDING

OPEN SIDED BUILDING

GLASS ROOFED

CONTOURS 25.50

## ABBREVIATIONS (WHERE APPLICABLE)

| | | | |
|---|---|---|---|
| ARCH HEAD HEIGHT | AHH | MARKER | MKR |
| ARCH HEAD LEVEL | AHL | MONITORING WELL | MW |
| ARCH SPRINGER HEIGHT | ASH | NOTICE BOARD | NB |
| ARCH SPRINGER LEVEL | ASL | NAME PLATE | NP |
| AIR VALVE | AV | OVERHEAD WIRES | OHW |
| BED LEVEL | BL | PARKING METER | PM |
| BELISHA BEACON | BB | RIDGE LEVEL | RID |
| BOLLARD | B | ROOF LEVEL | RL |
| BRITISH TELECOM BOX | BTB | ROAD SIGN | RS |
| BRITISH TELECOM MANHOLE | BTMH | RODDING EYE | RE |
| BRICKWORK | BKWK | RETAINING WALL | RTW |
| BUS STOP | BS | RAIN WATER PIPE | RWP |
| CABLE TV | CATV | SLUICE VALVE | SV |
| COVER LEVEL | CL | STOP COCK | SC |
| CABLE MARKER | CM | SOFFIT LEVEL | SOF |
| COLUMN | Col | STRUCTURAL SLAB LEVEL | SSL |
| CONCRETE POST | CP | TREE STUMP | ST |
| EAVES LEVEL | EAV | SOIL AND VENT PIPE | SVP |
| ELECTRICAL COVER | ELEC | THRESHOLD LEVEL | THL |
| ELECTRICITY CONTROL BOX | ECB | TELEGRAPH POLE | TP |
| ELECTRICITY POLE | EP | TELEPHONE CALL BOX | TCB |
| EARTH ROD | ER | TOP OF KERB | TK |
| FLOWER BED | FB | TURNSTILE | TS |
| FINISHED FLOOR LEVEL | FFL | TRAFFIC LIGHT | TL |
| FIRE HYDRANT | FH | TOP OF WALL | TW |
| FLOOR LEVEL | FL | UNABLE TO LIFT | UTL |
| FLAG STAFF | FS | UNABLE TO SURVEY | UTS |
| GAS PIPE | GP | VENT PIPE | VP |
| GAS VALVE | GV | WATER METER | WM |
| GULLY | G | WATER LEVEL | WL |
| GATE STOP | GS | WASH OUT | WO |
| INSPECTION COVER | IC | WASTE PIPE | WP |
| INVERT LEVEL | IL | WATER TANK | WT |
| LAMP POST | LP | WATER VALVE | WV |

## FENCES

| | | | |
|---|---|---|---|
| BARBED WIRE FENCE | BWF | LARCH LAP FENCE | LLF |
| CORRUGATED IRON FENCE | CIF | METAL RAILING FENCE | MRF |
| CLOSE BOARD FENCE | CBF | POST AND CHAIN FENCE | PCF |
| CHAIN LINK FENCE | CLF | PICKET FENCE | PIF |
| CHESTNUT PALING FENCE | CPF | POST AND RAIL FENCE | PRF |
| FENCE POST | FPO | POST AND WIRE FENCE | PWF |
| INTERWOVEN FENCE | IWF | STEEL PALISADE SECURITY FENCE | SPSF |
| IRON RAILING FENCE | IRF | TUBULAR STEEL RAIL FENCE | TSRF |

| REV. | NOTES | DWN | DATE |
|---|---|---|---|
| A | --- | --- | --/--/---- |

QMS ISO 9001 REGISTERED

A MEMBER OF THE THE SURVEY ASSOCIATION

QMS ISO 14001 REGISTERED

Notes:

Grid and levels relate to OS GPS Active Network.

Sheet is North orientated unless stated.


Maltby Surveys Ltd

2 QUEENS ROAD
HAYWARDS HEATH
WEST SUSSEX
RH16 1EB
Tel: 01444 416246
Fax: 01444 417697
E-Mail: mls@maltbysurveys.com
WebSite: http://www.maltbysurveys.com

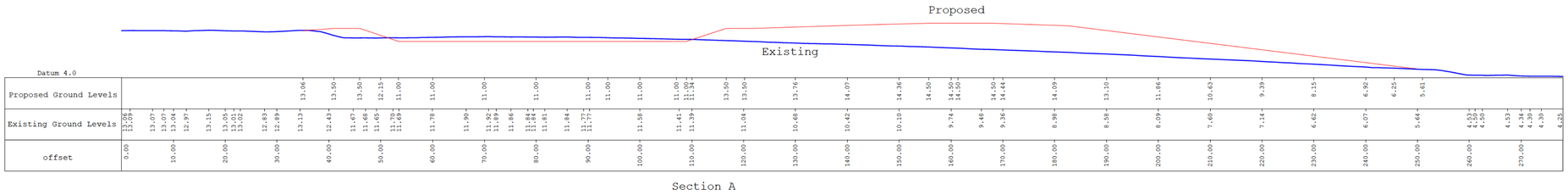

| | | |
|---|---|---|
| SURVEYED | AKM | CLIENT |
| DRAWN | AKM | MATTHEWS GROUP |
| CHECKED | RM | SCALE |
| RICS | | 1/500 (A1 Sheet) |

BRIGHTHAM FARM, BINES ROAD, PARTRIDGE GREEN

PROPOSED SLURRY PIT

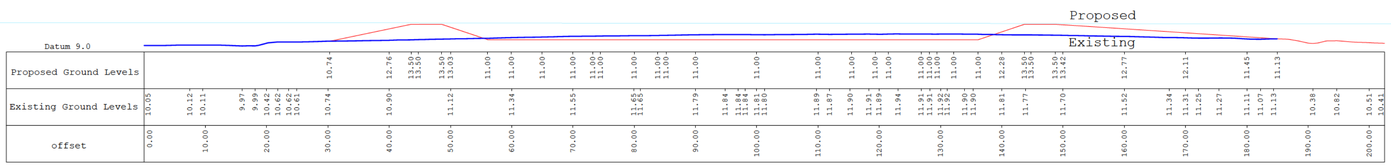
| Job No | Rev | Drawing Number |
|---|---|---|
| BF/100 | | BR/100/100 |

Date : DEC 2017




| offset | Existing Ground Levels | Proposed Ground Levels |
|---|---|---|
| 0.00 | 13.09 | |
| | 13.07 | |
| 10.00 | 13.07 | |
| | 13.04 | |
| | 12.97 | |
| 20.00 | 13.15 | |
| | 13.05 | |
| | 13.01 | |
| | 13.06 | |
| 30.00 | 12.83 | |
| | 12.89 | |
| | 13.13 | 13.06 |
| 40.00 | 12.43 | 13.50 |
| | 11.67 | 13.50 |
| | 11.68 | 13.50 |
| 50.00 | 11.65 | 12.15 |
| | 11.70 | 11.00 |
| | 11.69 | |
| 60.00 | 11.78 | 11.00 |
| | 11.90 | 11.00 |
| 70.00 | 11.92 | 11.00 |
| | 11.89 | |
| | 11.86 | |
| 80.00 | 11.84 | 11.00 |
| | 11.84 | |
| | 11.81 | |
| | 11.84 | |
| 90.00 | 11.77 | 11.00 |
| | 11.77 | |
| 100.00 | 11.58 | 11.00 |
| | 11.41 | 11.00 |
| | 11.39 | 11.00 |
| | | 11.04 |
| 110.00 | 11.00 | 13.50 |
| | 11.04 | 13.50 |
| 120.00 | 10.68 | 13.76 |
| | 10.42 | 14.07 |
| 130.00 | 10.10 | 14.36 |
| | 9.74 | 14.50 |
| 140.00 | 9.48 | 14.50 |
| | 9.36 | 14.44 |
| 150.00 | 8.98 | 14.09 |
| | 8.58 | 13.10 |
| 160.00 | 8.09 | 11.86 |
| | 7.60 | 10.63 |
| 170.00 | 7.14 | 9.39 |
| | 6.62 | 8.15 |
| 180.00 | 6.07 | 6.92 |
| | 5.44 | 6.25 |
| 190.00 | 5.61 | |
| | 4.53 | 4.53 |
| 200.00 | 4.50 | |
| | 4.53 | |
| 210.00 | 4.34 | |
| | 4.30 | |
| 220.00 | 4.30 | |
| | 4.25 | |

Section A




| offset | Existing Ground Levels | Proposed Ground Levels |
|---|---|---|
| 0.00 | 10.05 | |
| | 10.12 | |
| 10.00 | 10.11 | |
| | 9.97 | |
| 20.00 | 9.99 | |
| | 10.42 | |
| | 10.62 | |
| | 10.61 | |
| 30.00 | 10.74 | 10.74 |
| | 10.90 | 12.76 |
| 40.00 | 11.12 | 13.50 |
| | | 13.50 |
| 50.00 | 11.34 | 13.03 |
| | | 11.00 |
| 60.00 | 11.34 | 11.00 |
| | | 11.00 |
| 70.00 | 11.55 | 11.00 |
| | | 11.00 |
| | | 11.00 |
| 80.00 | 11.65 | 11.00 |
| | 11.65 | 11.00 |
| | | 11.00 |
| 90.00 | 11.79 | 11.00 |
| | 11.84 | |
| | 11.84 | |
| 100.00 | 11.81 | 11.00 |
| | 11.80 | |
| 110.00 | 11.89 | 11.00 |
| | 11.87 | |
| | 11.90 | 11.00 |
| 120.00 | 11.91 | 11.00 |
| | 11.89 | 11.00 |
| | 11.94 | |
| 130.00 | 11.91 | 11.00 |
| | 11.91 | 11.00 |
| | 11.92 | 11.00 |
| | 11.90 | 11.00 |
| 140.00 | 11.90 | 11.00 |
| | 11.81 | 12.28 |
| | 11.77 | 13.50 |
| 150.00 | 11.70 | 13.50 |
| | | 13.42 |
| 160.00 | 11.52 | 12.77 |
| | 11.34 | |
| 170.00 | 11.31 | 12.11 |
| | 11.25 | |
| | 11.27 | |
| 180.00 | 11.11 | 11.45 |
| | 11.07 | |
| | 11.13 | |
| 190.00 | 10.38 | |
| | 10.82 | |
| 200.00 | 10.51 | |
| | 10.41 | |

Section B

Sheet Layout

LEGEND

BANKING — Top / Bottom

WALL — Width drawn to scale: 0.23m

BUSHES & HEDGES

BUILDING

TREES — MT / 3T / 02 / 6 (Multiple Trunks: No of Trunks; Dia or Bole; Height of Tree)

OPEN SIDED BUILDING

NOTE:- SPREADS AND HEIGHTS ARE INDICATIVE ONLY

GLASS ROOFED

GATES — Single / Double

CONTOURS — 25.50

ABBREVIATIONS (WHERE APPLICABLE)

| | | | |
|---|---|---|---|
| ARCH HEAD HEIGHT | AHH | MARKER | MKR |
| ARCH HEAD LEVEL | AHL | MONITORING WELL | MW |
| ARCH SPRINGER HEIGHT | ASH | NOTICE BOARD | NB |
| ARCH SPRINGER LEVEL | ASL | NAME PLATE | NP |
| AIR VALVE | AV | OVERHEAD WIRES | OHW |
| BED LEVEL | BL | PARKING METER | PM |
| BELISHA BEACON | BB | RIDGE LEVEL | RID |
| BOLLARD | B | ROOF LEVEL | RL |
| BRITISH TELECOM BOX | BTB | ROAD SIGN | RS |
| BRITISH TELECOM MANHOLE | BTMH | RODDING EYE | RE |
| BRICKWORK | BKWK | RETAINING WALL | RTW |
| BUS STOP | BS | RAIN WATER PIPE | RWP |
| CABLE TV | CATV | SLUICE VALVE | SV |
| COVER LEVEL | CL | STOP COCK | SC |
| CABLE MARKER | CM | SOFFIT LEVEL | SOF |
| COLUMN | Col | STRUCTURAL SLAB LEVEL | SSL |
| CONCRETE POST | CP | TREE STUMP | ST |
| EAVES LEVEL | EAV | SOIL AND VENT PIPE | SVP |
| ELECTRICAL COVER | ELEC | THRESHOLD LEVEL | THL |
| ELECTRICITY CONTROL BOX | ECB | TELEGRAPH POLE | TP |
| ELECTRICITY POLE | EP | TELEPHONE CALL BOX | TCB |
| EARTH ROD | ER | TOP OF KERB | TK |
| FLOWER BED | FB | TURNSTILE | TS |
| FINISHED FLOOR LEVEL | FFL | TRAFFIC LIGHT | TL |
| FIRE HYDRANT | FH | TOP OF WALL | TW |
| FLOOR LEVEL | FL | UNABLE TO LIFT | UTL |
| FLAG STAFF | FS | UNABLE TO SURVEY | UTS |
| GAS PIPE | GP | VENT PIPE | VP |
| GAS VALVE | GV | WATER METER | WM |
| GULLY | G | WATER LEVEL | WL |
| GATE STOP | GS | WASH OUT | WO |
| INSPECTION COVER | IC | WASTE PIPE | WP |
| INVERT LEVEL | IL | WATER TANK | WT |
| LAMP POST | LP | WATER VALVE | WV |

FENCES

| | | | |
|---|---|---|---|
| BARBED WIRE FENCE | BWF | LARCH LAP FENCE | LLF |
| CORRUGATED IRON FENCE | CIF | METAL RAILING FENCE | MRF |
| CLOSE BOARD FENCE | CBF | POST AND CHAIN FENCE | PCF |
| CHAIN LINK FENCE | CLF | PICKET FENCE | PIF |
| CHESTNUT PALING FENCE | CPF | POST AND RAIL FENCE | PRF |
| FENCE POST | FPO | POST AND WIRE FENCE | PWF |
| INTERWOVEN FENCE | IWF | STEEL PALISADE SECURITY FENCE | SPSF |
| IRON RAILING FENCE | IRF | TUBULAR STEEL RAIL FENCE | TSRF |

| REV. | NOTES | DWN | DATE |
|---|---|---|---|
| A | --- | --- | --/--/-- |

QMS ISO 9001 REGISTERED

A MEMBER OF THE THE SURVEY ASSOCIATION

QMS ISO 14001 REGISTERED

Notes:

Grid and levels relate to OS GPS Active Network.

Sheet is North orientated unless stated.


Maltby Surveys Ltd

2 QUEENS ROAD
HAYWARDS HEATH
WEST SUSSEX
RH16 1EB
Tel: 01444 416246
Fax: 01444 417697
E-Mail: mls@maltbysurveys.com
WebSite: http://www.maltbysurveys.com


| | | |
|---|---|---|
| SURVEYED | AKM | CLIENT |
| DRAWN | AKM | MATTHEWS GROUP |
| CHECKED | RM | SCALE |
| RICS | | 1/500 (A1 Sheet) |

BRIGHTHAMS FARM, BINES ROAD, PARTRIDGE GREEN

SECTIONS

| Job No | Rev | Drawing Number |
|---|---|---|
| BR/100 | | BR/1001/101 |

Date : DEC 2017

**Figure 4: TRIAL PIT LOCATION PLAN**

Address: Brighthams Farm, Bines Road, West Grinstead, Partridge Green, Horsham, West Sussex, South East England, RH13 8EQ, United Kingdom




**TP1:**
Grid Reference: TQ 19445 17569
X (Easting), Y (Northing): 519445, 117569
What3Words: ///snippet.code.eclipses

**TP2:**
Grid Reference: TQ 19489 17562
X (Easting), Y (Northing): 519489, 117562
What3Words: ///whites.assure.handfuls

**TP3:**
Grid Reference: TQ 19516 17616
X (Easting), Y (Northing): 519516, 117616
What3Words: ///positive.grades.doubts

**TP4:**
Grid Reference: TQ 19468 17602
X (Easting), Y (Northing): 519468, 117602
What3Words: ///race.riverboat.conquests

**TP5:**
Grid Reference: TQ 19417 17622
X (Easting), Y (Northing): 519417, 117622
What3Words: ///goofy.chariots.waged

# APPENDIX 1

Materials Management Plan for Brighthams Farm, Partridge Green

## Materials Management Plan (MMP) Form - October 2014

This form should be completed once the lines of evidence have been marshalled in relation to suitability for use, certainty of use and quantity required.

The answers to the questions posed within this form, together with the supporting information will constitute the MMP and must be provided to the Qualified Person.

A Qualified Person may comment on draft versions of this MMP, but will not complete the Declaration until all the relevant documents, demonstrating lines of evidence have been provided for each site.

The person / organisation who will pay the Declaration fee should confirm that they have read and understand the Terms and Conditions relating to the payment of the Declaration fee to CL:AIRE. These can be found on the CL:AIRE website.

| | |
|---|---|
| **The person / organisation agreeing to pay the Declaration Fee - Name, organisation and contact details inc. email address -** | Mark Matthews<br>Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex, RH10 1TL<br>Tel: 01293 617014 |

× **I confirm I have read and understood the Terms & Conditions.**

**Each question must be answered. If the question is not applicable please state this and provide a brief explanation.**

1. Specify the scenario to which this MMP relates, as described in the Definition of Waste: Development Industry Code of Practice (DoW CoP) (1, 2, 3 or 4):

☐ 1. Reuse on the Site of Origin

× 2. Direct Transfer of clean naturally occurring soil / mineral materials

☐ 3. Cluster Project

☐ 4. Combination of any of the above

In the case of a combination of reuse scenarios, please describe it below (e.g. (i) Reuse on Site of Origin and Direct Transfer of clean naturally occurring unpolluted soils, (ii) Reuse on the Site of Origin with Direct Transfer of clean naturally occurring soil to x number of development sites etc:

(NB: A Declaration is required for reuse on the Site of Origin and for any 2 site arrangement i.e. there is no facility for a combination Declaration)

| | |
|---|---|
| 2. Organisation and name of person preparing this MMP | Helen Davies-Pye on behalf of Matthews (Sussex) Limited |

**Document Control**

| | |
|---|---|
| Date issued | 05/02/2020 |
| Revision date #1 | 09/03/2020 |
| Revision date #2 | 20/06/2020 |
| Revision date #3 | 16/03/2021 |
| Revision date #4 | **20/07/2021** |
| Summary of revision 1 | Addition of Donor 3 |
| Summary of revision 2 | Addition of Donor 4 |
| Summary of revision 3 | Addition of Donor 5 |
| Summary of revision 4 | **Volume review** |

Insert additional lines to the table above for any subsequent revisions.

Note - revisions to the MMP do not trigger an additional Declaration by a Qualified Person, unless an additional site is added to the project.

Revisions to the MMP must be recorded and summarised in the Document Control box above.

**Site Details**

| | |
|---|---|
| 3a. Site / Project name(s) | Darby Groundworks Limited, Beech Hurst, Haywards Heath |
| Reuse / receiving site name : | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ |
| Donor site name (if Direct Transfer) | Beech Hurst, Haywards Heath RH16 4DA |

| | |
|---|---|
| 3b. Site / Project name(s) | Landmark, Rocky Lane, Haywards Heath |
| Reuse / receiving site name : | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ |
| Donor site name (if Direct Transfer) | Foundry Gardens, Rocky Lane, Haywards Heath |

| | |
|---|---|
| 3c. Site / Project name(s) | John Reilly Civils, Rocky Lane, Haywards Heath |
| Reuse / receiving site name : | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ |
| Donor site name (if Direct Transfer) | Wychwood Park, Land off Rocky Lane, Rocky Lane, Haywards Heath |

| | |
|---|---|
| 3d. Site / Project name(s) | Jackson Civils A2300 Burgess Hill Improvement Scheme |
| Reuse / receiving site name : | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ |
| Donor site name (if Direct Transfer) | A2300 Burgess hill, Hassocks, BN6 9HF |

| | |
|---|---|
| 3e. Site / Project name(s) | Matthews (Sussex) Ltd Phase 3 Abingworth Meadows |
| Reuse / receiving site name : | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13 8EQ |
| Donor site name (if Direct Transfer) | Abingworth Crescent, Pulborough, RH20 3EQ |

**Landowners**

| | |
|---|---|
| 4a. Name of Landowner(s) (full address and contact details) – where excavated materials are to be reused | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| 4b. Name of Landowner(s) (full address and contact details) – where excavated materials are arising from | The first is to be from Care UK Community Partnerships Group Limited<br>Connaught House<br>850 The Crescent<br>Colchester Business Park<br>Colchester<br>Essex<br>CO4 9QB<br>Telephone: 0300 130 3030<br><br>The second is to be from Countryside Homes, Foundry Gardens, Rocky Lane, Haywards Heath, RH16 4SD (nearest post code)<br>Contact: Countryside Homes, Brentwood Head Office |

| | |
|---|---|
| | Countryside House<br>The Drive<br>Brentwood<br>Essex CM13 3AT<br>Tel: 01277 260 000<br><br>The third is to be from: Barratt David Wilson Homes, Rocky Lane, Haywards Heath<br>Contact: Barratt Homes and David Wilson Homes Southern Counties Office<br>Barratt House<br>Walnut Tree Close<br>Guildford<br>Surrey, GU1 4SW<br>Tel: 01483 505 533<br><br>The Fourth is to be from: West Sussex County Council, A2300 Improvement Scheme<br>West Sussex County Council County Hall,<br>Chichester, PO19 1RQ<br>Contact details:<br>Tel: 01243 642105<br><br>The Fifth is to be from: Castlelake Holdings, Phase 3 Abingworth Meadows<br>15 Sackville Street<br>London<br>W1S 3DJ<br>Tel: 02071906100 |

**Summary and objectives**

| | |
|---|---|
| 5a. Provide a brief description of the planned project and how excavated materials are to be reused. | The proposed development comprises the creation of a slurry lagoon incorporating the importation of material.<br><br>Planning reference: DC/18/1063<br><br>The new slurry lagoon will be elevated and formed by imported material. The revised landform will retain the slurry lagoon above the local groundwater level and the flood risk zone which is located broadly to the south following the River Adur. It is proposed the imported materials will enable a new slurry lagoon to be blend with a revised landform that is sloping in accordance with the surrounding topography of the site.<br><br>The slurry lagoon will be clay lined to provide an effective seal, preventing leakage.<br><br>The existing slurry lagoon to the north of the farm buildings will be filled in with imported material to allow for further development around the farm and improve access to the buildings and silage clamps. |

**General Plans and Schematics**

| | |
|---|---|
| 6. **Attach** a location plan for the site(s) and a plan of the site(s) which identifies where different materials are to be excavated from, stockpile locations (if applicable), where materials are to be treated (if applicable) and where materials are to be reused. | Plan Document Reference(s):<br><br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev |

| | |
|---|---|
| | 01<br><br>For information on stockpile locations, see reference in box below |

| | |
|---|---|
| 7. **Attach** a schematic of proposed materials movement. Where there is only one source area and one placement area briefly describe it. For all other projects a schematic is required. | Description & Schematic Document Reference:<br><br>To be enclosed in the site investigation reports provided by our importation material source sites, to be appended to this MMP as separate Appendices. |

**Parties Involved and Consultation – if more than one party please provide additional details for them and identify the location that they will be working e.g. where a site is zoned**

| | |
|---|---|
| 8a. Main earthworks contractor(s) (full address and contact details) – Where excavated materials are to be reused | Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Crawley<br>RH10 1TL |
| 8b. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from | The earthworks contractor for the first donor site is:<br><br>Darby Groundworks Limited<br>Emerald House<br>Swinborne Road<br>Burnt Mills<br>Basildon |

| | |
|---|---|
| | Essex<br>SS13 1EF<br>Contact: Frances Cannon, Senior Buyer<br>E: FrancesCannon@darbygroundworks.com<br>Tel: 01268 590118 |
| 8c. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from | The earthworks contractor for the second donor site is:<br><br>Landmark Limited<br>Wren House, Portsmouth Road, Esher KT10 9AA<br>Contact: James Collins, Buying Department<br>Tel: 01372 472 101<br>E: james@landmark-ltd.com |
| 8d. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from | The earthworks contractor for the third donor site is:<br><br>John Reilly Civil Engineers Ltd.<br>Barley House<br>Duncan Road<br>Park Gate<br>Southampton<br>Hampshire<br>SO31 1ZT<br>Contact: Mike O'Hara, Buyer<br>Tel: 02380 629900 |

| | |
|---|---|
| 8e. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from | The earthworks contractor for the Fourth donor site is:<br>Jackson Civil Engineering<br>30 White House Road Ipswich<br>IP1 5LT<br>Contact: Adam Smith<br>Tel: 01473 238359<br>Email: asmith@jackson-civils.co.uk |
| 8d. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from | The Earthworks contractor for the Fifth donor site is:<br>Matthews (Sussex) Ltd<br>Stephenson place<br>Crawley<br>RH10 1TL<br>Tel: 01293 617014<br>Email: Ashley.goodlad@matthewsgroup.co.uk |
| 9. Treatment contractor(s) (full address and contact details) – for treatment on site of origin, or at a Hub site within a fixed STF / Cluster Project | N/A – No materials brought into the Slurry Lagoon scheme will require treatment. |

| | |
|---|---|
| 10. Where wastes and materials are to be transported between sites, provide details of the transport contractor(s) (full address, contact details and waste carriers registration details (if applicable)) | Matthews (Sussex) Limited<br>Waste Carriers Licence: CBDU147665<br>Located at:<br>Stephenson Place<br>Stephenson Way<br>Crawley<br>RH10 1TL |

| | |
|---|---|
| | Contact: Simon Dyer – Transport Manager<br>Tel: 01293 617014<br>Email: simon.dyer@matthewsgroup.co.uk |

| | |
|---|---|
| 11. Provide Local Authority contact details (full address and named contacts) where excavated materials are to be reused | Name: Mrs Barbara Childs<br>Position: Director of Place<br>Address: Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |

| | |
|---|---|
| 12a. For the site where materials are to be reused and for Hub Site locations provide Environment Agency contact details (full address and named contacts): | Name: Chris Parkin<br>Position: Environment Officer<br>Address: Environment Agency, Solent and South Downs Office, Guildbourne House, Worthing, BN11 1LD.<br>Tel: 01903 703949<br>Email: chris.parkin@environment-agency.gov.uk |
| ***For all Cluster Projects:***<br>12b. Attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection to the proposals (see 3.37 of DoW CoP)<br>If the EA has not been consulted please explain why (see paragraph 3.39 of the DoW CoP). | EA references:<br><br>N/A – not a cluster project. |

**Lines of Evidence**

There is no one single factor that can be used to decide that a substance or object is waste, or when it is, at what point it ceases to be waste; as complete a picture as possible has to be created.

The following sections require completion to ensure the correct decision is made.

If a requested item is not relevant it is important to clearly state why this is so (e.g. no planning permission required because permitted development status exists).

**Suitable for use criteria**

| | |
|---|---|
| 13. Please describe or provide copies of the required specification(s) for the materials to be reused on each site. | Document Reference(s):<br><br>Refer to Appendix 1: Design Statement |
| ***Where contamination is suspected or known to be present***<br><br>14a. Please provide copies of or relevant extracts from the risk assessment(s) that has been used to determine the specification for use on the site. **This must relate to the place where materials are to be used.** This must be in terms of (i) human health (ii) controlled waters and (iii) any | Document Reference(s):<br><br>Refer to Appendix 2: Qualitative Risk Assessment for Brighthams Farm |

| | |
|---|---|
| other relevant receptors. If a risk assessment is not relevant for a particular receptor given the site setting please explain why below: | |
| 14b. Please attach any relevant documentation from the LA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP) | LA Document references:<br><br>1. Please see Decision Notice DC/18/1063. Condition 3 states: 'no development shall commence until a Method Statement detailing the type and quantity of material used for the construction of the approved development has been submitted to and approved in writing by the Local Planning Authority.'<br><br>Details pursuant to the discharge of this condition have been submitted to the LPA. |
| 14c. Please attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 and Table 2 of the CoP) | EA Document references:<br><br>None available. |
| 14d. Please attach any relevant documentation from any other regulators (if relevant) relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP) | Document Reference(s):<br><br>None available. |

| | |
|---|---|
| ***Where contamination is not suspected***<br><br>15a. Please attach copies or relevant extracts from the Desk Top Study that demonstrates that there is no suspicion of contamination. | Document Reference(s)<br><br>The first Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 4.<br>The second Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 5.<br>The third Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 6.<br>The fourth donor site's reports are appended to this MMP at Appendix 7.<br>The fifth Donor site's reports are appended to this MMP at Appendix 8 |
| 15b. Please attach copies of or relevant extracts from the site investigation/testing reports that adequately characterise the clean materials to be used (if appropriate). | Document Reference(s)<br><br>The first Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 4.<br>The second Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 5.<br>The third Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 6.<br>The fourth donor site's reports are appended to this MMP at Appendix 7.<br>The fifth Donor site's reports are appended to this MMP at Appendix 8 |
| 15c. Please attach copies of any other relevant information (if available) confirming that land contamination is not an issue. | Document Reference(s)<br><br>The first Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 4. |

| | |
|---|---|
| | The second Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 5. The third Donor Site's desk study and Phase II site investigation report are appended to this MMP at Appendix 6.<br>The fourth donor site's reports are appended to this MMP at Appendix 7.<br>The fifth Donor site's reports are appended to this MMP at Appendix 8 |

**NB: It is your responsibility to assess the nature of the material to be used and that it fits within the limitations of the scenario under which it is to be used**

**Certainty of use**

Various lines of evidence are required to demonstrate that the materials are certain to be used. This includes:

- The production of this MMP
- An appropriate planning permission (or conditions that link with the reuse of the said materials)
- An agreed Remediation Strategy(ies)
- An agreed Design Statement(s)
- Details of the contractual arrangements

Please identify in the following sections what lines of evidence relate to the site(s) **where the materials are to be used**.

| | |
|---|---|
| 16a. Planning Permission(s) relating to the site where materials are to be reused<br><br>Please provide a copy of the relevant | Document Reference:<br><br>Planning Permission Ref: DC/18/1063<br>Decision dated 29th March 2019 |

| | |
|---|---|
| planning permission | Decision Notice and Design and Access Statement are presented at Appendix 3. |
| 16b. Explain how the reuse of the excavated materials fits within the planning permission(s) for each site. | Refer to Appendix 1, Matthews' Design Statement |
| 16c. If planning permission is not required for any one site please explain why below e.g. permitted development, clean up of a chemical spill, surrender of an Environmental Permit, re-contouring within the existing permission. | N/A – Project under full planning. |

| | |
|---|---|
| ***Where contamination is suspected or is known to be present***<br><br>17. Please provide a copy of any Remediation Strategy(ies) that have been agreed with relevant regulators. | Document Reference(s):<br><br>N/A at present. |

| | |
|---|---|
| ***Where contamination is not suspected***<br><br>18. Please provide a copy of any Design Statement(s) that have been agreed (e.g. | Document Reference(s):<br><br>The Matthew Design Statement is detailed within Appendix 1. |

| | |
|---|---|
| with the planning authority or in the case of permitted developments the client). | |

**Quantity of Use**

| | |
|---|---|
| 19. Please provide a breakdown of the excavated materials for each site and how much will be placed at each site or sub area of each site.<br><br>Where this is not specific to a single readily identifiable source refer to an annotated plan, schematic or attach a tabulated summary. | Document Reference(s):<br><br>Approximately 40,000 cubic metres of material is proposed to be imported to the site to fill in the existing slurry lagoon to the north of the farm buildings and to construct the new elevated slurry lagoon. This will entail creating bunds to the south, east and west of the proposed lagoon using the imported material. These bunds will then gently fall away to merge with exiting ground levels around the margins of the field.<br><br>The first donor is anticipated to provide 2,000m$^3$ **increasing to 4,000m3**<br>The second donor is anticipated to provide 2,500m$^3$ **increasing to 5,000m3**<br>The third donor is anticipated to provide 3,500m$^3$ **increasing to 5,000m3**<br>The fourth Donor is Anticipated to provide 14,000m3 **increasing to 17,000m3**<br>The fifth Donor is Anticipated to provide 8,500m3 |

| | |
|---|---|
| 20a. How has consolidation/compaction being considered in the above mass balance calculations? | On compaction of the materials placed, if the profiles do not match with the designed profiles, materials will be added as required. |
| 20b. How has loss due to treatment being considered in the above mass balance calculations (if applicable)? | N/A |

| | |
|---|---|
| 20c. How has the addition of treatment materials being considered in the above mass balance calculations (if applicable)?<br><br>Note - An exact figure is not required but one that is reasonable in the circumstances and can be justified if challenged. | N/A |

**Contingency arrangements**

Explain what is to happen in the following situations and **identify the appropriate clauses** in the contract(s) (Such clauses must be provided to the Qualified Person, preferably as a summary document): or

| | |
|---|---|
| 21a. What is to happen to, and who is to pay for out of specification materials? | Reference:<br>This is detailed within Appendix 1 – Design Statement<br><br>The donor site will pay for the collection/delivery of materials unsuitable for placement. |
| 21b. What is to happen to, and who is to pay for any excess materials? | Reference:<br><br>Any excess materials will be removed from the site and returned to its site of origin or taken to an alternative site with agreement of Matthews' Donor.<br><br>An agreement of who pays for the removal and transport of any excess material will be decided on a case by case basis, should this occur. |
| 21c. What happens if the project programme slips in relation to excavated materials or materials under -going treatment? | Reference:<br><br>There is a six months contingency built into the programme to allow for any delays caused by unsuitable materials. |
| 21d. Other identified risk scenarios for the project (relating to excavated materials)? | Reference:<br><br>Matthews (Sussex) Limited are responsible for any other identified risk scenarios. This could include (but is not limited to) – insufficient inert, clean, naturally occurring material available from donor sites within the local area and increases in transport costs. |

**The Tracking System**

Where contamination is suspected or known to be present, state the procedures put in place to:

| | |
|---|---|
| 22a. For all sites please describe the tracking system to be employed to monitor materials movements. | Detailed in Appendix 1 – Design Statement |
| ***Where contamination is suspected or known to be present, state the procedures put in place to:***<br>22b. Prevent contaminants not suitable for the treatment process being accepted | Detailed in Appendix 1 – Design Statement |
| ***Where contamination is suspected or known to be present, state the procedures put in place to:***<br><br>22c. Prevent cross contamination of materials not in need of treatment, wastes awaiting treatment and treated materials | Detailed in Appendix 1 – Design Statement |
| ***Where contamination is suspected or known to be present, state the procedures put in place to:***<br><br>22d. Demonstrate that materials that do not require treatment and successfully treated materials reach their specific destination | Detailed in Appendix 1 – Design Statement |

| | |
|---|---|
| ***Where contamination is suspected or known to be present, state the procedures put in place to:***<br><br>22e. Ensure that waste for off-site disposal or treatment is properly characterised and goes to the correct facility | Detailed in Appendix 1 – Design Statement |

| | |
|---|---|
| 23. Please attach a copy of the tracking forms / control sheets that are to be used to monitor materials movements.<br><br>To include transfer of loads on site into stockpiles prior to treatment (if applicable), stockpiled after treatment (if applicable), stockpiled awaiting use (as appropriate) and final placement. | Document reference(s)<br><br>Detailed in Appendix 1 - Design Statement |

| | |
|---|---|
| ***For Hub Sites within Cluster Projects & where materials need treatment before reuse***<br><br>24. Please attach a copy of the Environmental Permit covering the | Permit reference / EA letter reference:<br><br>N/A |

| | |
|---|---|
| treatment process.<br><br>Alternatively if the treatment is covered by a Mobile Plant Permit and associated Deployment Form, attach a copy of the EA agreement to the Deployment Form. | |

**Records**

| | |
|---|---|
| 25. Where, and in what form, are records to be kept?<br><br>Note – records e.g. transfer notes, delivery tickets, Desk Top Study, Site Investigation, Risk Assessment(s), Verification Report(s) need to be kept for at least 2 years after the completion of the works and production of the Verification Report | All site records, drawings, reports etc. will be maintained by – Matthews (Sussex) Ltd.<br><br>This will include:<br>- Desk Top Study Reports;<br>- Intrusive site investigation reports with laboratory certificates;<br>- Site layout plans – annotated with locations of materials stockpiles on site to be placed;<br>- Records of any non-conforming/ rejected materials; and<br>- Verification Report |

**Verification Plan**

| | |
|---|---|
| 26. Provide or explain the Verification Plan which sets out how you will record the | Document Reference: Brighthams Farm CL:AIRE Verification Plan, to include the following: |

| | |
|---|---|
| placement of materials and prove that excavated materials have been reused in the correct location and in the correct quantities within the development works (see 3.4 of the DoW CoP). | 1. Site plans<br>2. Description of the projects<br>3. Description of the use of the materials linked to the Design Statement<br>4. Reference to risk assessments (including qualitative risk assessment)<br>5. Reference to the MMP and associated tracking system, including alterations made and why<br>6. Internal QA/QC sample analytical data<br>7. Reference to waste transfer documentation, including return loads (if applicable)<br>8. Signed delivery tickets (as an annex)<br>9. Record of contingency arrangements that had to be implemented, if relevant<br>10. Records of quantity of materials used; and<br>11. Copies of signed Declarations(s) by Qualified Person(s).<br><br>Author: Helen Davies-Pye of Matthews (Sussex) Limited<br>Estimated date of issue: August 2022 |

# FIGURES

1. Location Plan
2. Existing Site Levels
3. Sections Plan
4. Proposed Slurry Pit
5. Proposed Access Route
6. Viewpoint Analysis
7. Soft Landscape Layout

# APPENDICES

Appendix 1: Brighthams Farm Design Statement

# APPENDICES

Appendix 2: Brighthams Farm Qualitative Risk Assessment

# APPENDICES

Appendix 3: Brighthams Farm Decision Notice for the Earthworks Project DC/18/1063 and Design and Access Statement submitted as part of the Planning submission.

# APPENDICES

Appendix 4: The first Donor Site's background information, provided by Darby Groundworks:

Preliminary Land Quality Risk Assessment, prepared by SLR Consulting (Report Reference 402.02498.00011.041, dated January 2018); and

Ground Investigation Report, prepared by SLR Consulting (Report Reference 402.02498.00011.0041, dated January 2019).

# APPENDICES

Appendix 5: The second Donor Site's background information, provided by Landmark:

Desk Study and Ground Investigation, prepared by Hydrock (Report Reference RLH-HYD-XX-GD-RP-G-0003, dated August 2017, updated October 2016).

# APPENDICES

Appendix 6: The third Donor Site's background information, provided by John Reilly Civil Engineering Limited:

Site Investigation and Risk Assessment, prepared by Southern Testing Consulting Limited (Report Reference J13344 dated 15th December 2017).

# APPENDICES

Appendix 7: The Fourth Donor Site background information, provided by Jackson Civils

Ground Investigation Report, prepared by WSP (Report Reference 70044406, dated April 2019). Additional Soil Reports prepared by DETS Ltd (Report No. 20-04172, dated 9th April 2020)

# APPENDICES

Appendix 8: The Fifth Donor Site's background information, provided by Matthews (Sussex) Ltd:

Site Investigation and Risk Assessment, prepared by Merebrook Consulting Ltd (Report Reference GEA-17390-12-73 dated 26th June 2012).

# APPENDIX 2

Trial Pits and Photographs Records

# TRIAL PITTING ACTIVITY TO SUPPORT MATERIAL MANAGEMENT PLAN VERIFICATION REPORT at PARTRIDGE GREEN

Conducted on 18 May and 19 May 2022 for Quality Assessment and Quality Control of material imported to Partridge Green under a Material Management Plan.

## 1 Observations made during trial pitting

### 1.1 Topsoil

Topsoil was encountered in all trial pits to a maximum depth of 0.4m bgl, uniformly described as light brown silty Sand with rootlets

### 1.2 Made Ground and/or reworked naturally occurring soils

Made Ground was encountered to a maximum depth of 3.0m bgl. The main population of Made Ground encountered during the investigation is described below:

*Firm light brown to brown sandy gravelly Clay with small to medium gravel including chalk and flint and occasional fragments of bricks.*

### 1.3 Natural Ground

The following natural strata was encountered during the TP5 at a depth of 2.7m as *Medium dense light greyish brown slightly gravelly silty Sand* was observed between 2.7m to 3m bgl in TP05.
Natural ground was not noted within the remaining locations.

### 1.3 Bedrock

Bedrock was not encountered during this investigation.

### 1.4 Groundwater

Groundwater was not encountered during this investigation.

### 1.5 Watching Brief

A watching brief was maintained during the Ground Investigation for visual and olfactory evidence of contamination. No visual and olfactory evidence of contamination was noted during this investigation.

## 2. Excavation Stability

No evidence of spalling or collapse was noted in any of the trial pits carried out during this investigation.

## 3. Generic Quantitative Risk Assessment - Soils

Nine samples were tested for a suite of metals, asbestos, TPH and speciated Polycyclic Aromatic Hydrocarbons (PAHs) to obtain a sufficient coverage. The Made Ground generally consisted of reworked naturally occurring soil with occasional brick fragments overlaid by soft silty Sand topsoil.

### 3.1 Analytical results

No elevated concentrations were reported in the analytical results, confirming visual and olfactory observations during the trial pitting activity.

## 4. Trial pit locations

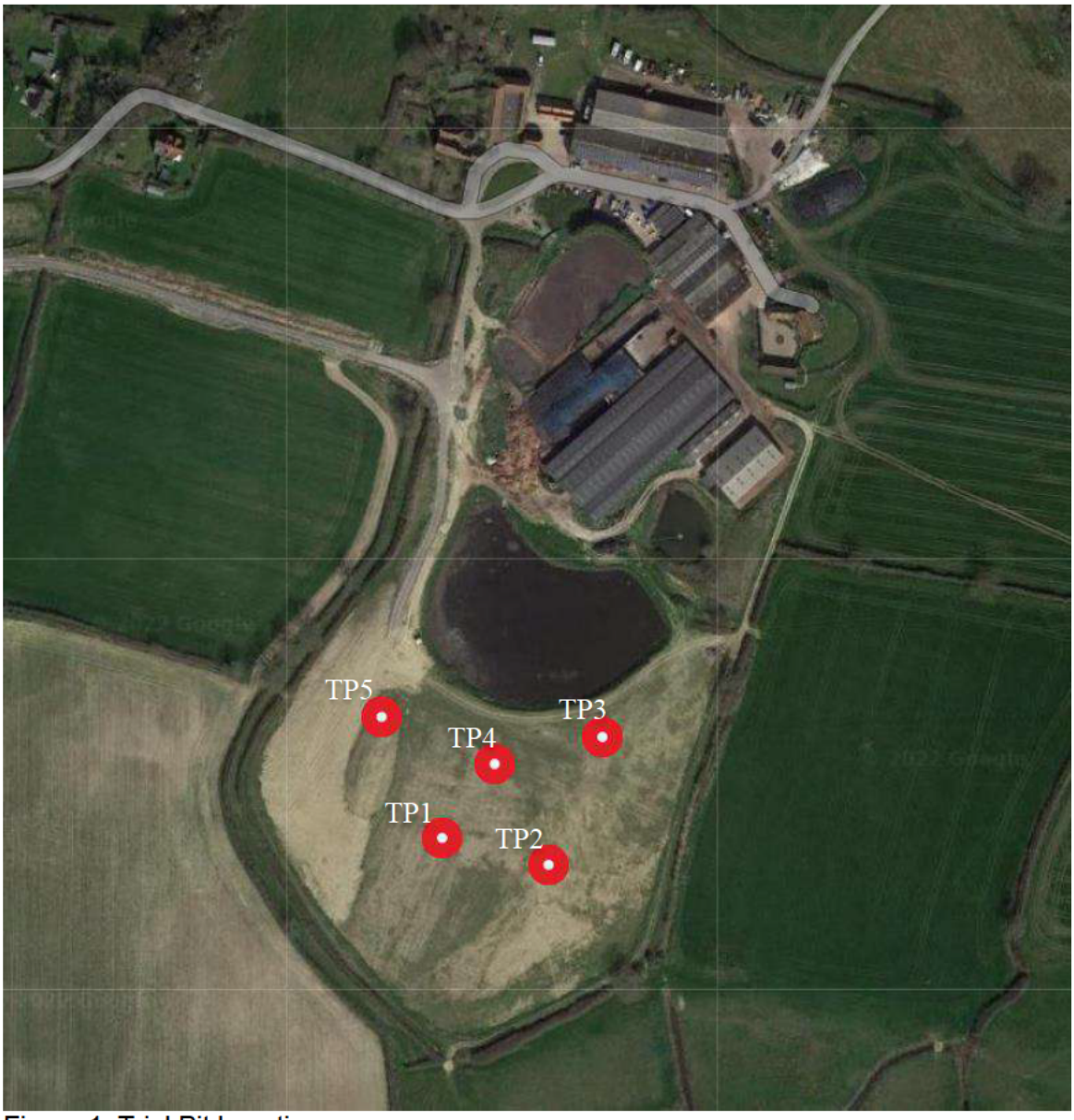



Figure 1: Trial Pit Location

## 5. Trial pit logs

**TP1 –** What3words location: \ snippets.code.eclipses \

| Ground conditions encountered: | Depth (m) |
|---|---|
| Lightly compacted to loose, light brown silty SAND (Topsoil) | 0.0m to 0.2m |
| Light brown gravelly sandy SILT with medium to large gravel (mostly consisting of flint) and rootlets | 0.2m to 1.0m |
| Brown slightly gravelly sandy CLAY with naturally occurring organic matter, wood fragments, medium size gravel and occasional brick fragments | 1.0m to 2.0m |
| Light brown to orangey brown sandy CLAY with naturally occurring organic occlusions, medium subangular gravel and occasional brick fragments | 2.0m to 2.7m |
| Trial Pit terminated @ 2.7m<br>Sample collected @ 0.2-1.0m, 1.0-2.0m (not tested) and 2.0-2.7m<br>No water infiltration | |

**TP2 –** What3words location: \ whites.assures.handfuls \

| Ground conditions encountered: | Depth (m) |
|---|---|
| Light brown to brown very slightly gravelly silty SAND with rootlets and small to medium angular gravel (Topsoil) | 0.0m to 0.3m |
| Light brown sandy SILT with silty CLAY pockets, frequent some chalk and flint inclusions, some wood, one piece of ceramic and incidental brick fragments | 0.3m to 1.0m |
| Light brown to brown gravelly clayey SILT with frequent flint (medium size gravel) and small chalk inclusions, degraded wood and brick fragments from small to brick size. | 1.0m to 2.0m |
| Brown gravelly clayey SILT with small to medium size chalk and flint inclusions, occasional brick fragments and organic black clay inclusions. | 2.0m to 2.9m |
| Trial Pit terminated @ 2.9m<br>Samples collected @ 0.3-1.0m, 1.0-2.0m and 2.0-2.8m (not tested)<br>No water infiltration | |

**TP3 –** What3words location: \ positive.grades.doubts \

| Ground conditions encountered: | Depth (m) |
|---|---|
| Lightly compacted to loose, light brown silty SAND with rootlets (Topsoil) | 0.0m to 0.3m |
| Light brown gravelly sandy CLAY with frequent small to medium size chalk and flint and stones and incidental small fragments of brick. | 0.3m to 1.0m |
| Light brown to brown slightly gravelly silty CLAY with frequent small chalk inclusions and flint stones, occasional black organic matter with slight organic odour and one large piece of wood. | 1.0m to 2.0m |
| Brown getting lighter with depth, slightly gravelly silty SAND with small to medium stones, occasional wood inclusions, two bricks and some small chalk inclusions. | 2.0m to 3.0m |
| Trial Pit terminated @ 3.0m<br>Samples collected @ 0.3-1.0m (not tested), 1.0-2.0m and 2.0-3.0m<br>No water infiltration | |

**TP4 –** What3words location: \ race.riverboat.conquests \

| Ground conditions encountered: | Depth (m) |
|---|---|
| Light brown silty SAND (Topsoil) | 0.0m to 0.3m |
| Light brown with molted orange and brown gravelly sandy CLAY with small to medium gravel, occasional chalk inclusions, pieces of degraded wood and incidental small brick fragments. | 0.3m to 1.0m |
| Light and dark orange to brown slight gravelly silty CLAY with frequent inclusions of chalk and flint. | 1.0m to 2.0m |
| Red sandy CLAY turning light brown slightly gravelly silty SAND with depth, with small to medium stones. | 2.0m to 3.0m |
| Trial Pit terminated @ 3.0m<br>Samples collected @ 0.3-1.0m and 2.0-3.0m<br>No water infiltration | |

**TP5 –** What3words location: \ goofy.chariots.waged \

| Ground conditions encountered: | Depth (m) |
|---|---|
| Light brown slightly gravelly silty SAND with small to medium size stones (Topsoil) | 0.0m to 0.4m |
| Light brown to brown silty CLAY with small to medium size chalk inclusions, frequent organic inclusions with some twigs and rootlets and incidental brick fragments. | 0.4m to 1.2m |

| Ground conditions encountered: | Depth (m) |
|---|---|
| Brown slightly gravelly sandy SILT with small to large chalk inclusions, wood fragments, occasional small fragments of bricks and one piece of ceramic. | 1.2m to 2.0m |
| Light brown to brown gravelly silty SAND with small to large stones, frequent brick fragments and occasional plastic debris. (uncharacteristics of other imported material – possibly insitu made ground from the farm) . | 2.0m to 2.7m |
| Light brown to greyish slightly gravelly brown silty SAND with small to medium stones. | 2.7m to 3.0m |
| Trial Pit terminated @ 3.0m<br>Samples collected @ 1.2.-2.0m and 2.0-2.7m (Not tested)<br>No water infiltration | |

## 5. Photographic Records

| | |
|---|---|
|  |  |
| 1) TP1 | 2) TP1 |

| | |
|---|---|
| MATTHEWS SK130 LC<br>PARTRIDGE GREEN<br>BRIGHTHAMS FARM<br>TP1<br>2.0-2.6 |  |
| 3) TP1 | 4) TP1 |

| | |
|---|---|
|  |  |
| 5) TP1 | 8) TP1 |

| | |
|---|---|
|  |  |
| 9) TP2 | 10) TP2 |

| | |
|---|---|
|  |  |
| 11) TP2 | 12) TP2 |

| | |
|---|---|
|  |  |
| 13) TP2 | 14) TP2 |

| | |
|---|---|
|  |  |
| 15) TP3 | 16) TP3 |

| | |
|---|---|
| PARTRIDGE GREEN<br>BRIGHTMANS FARM<br>TP 3<br>1.0 - 2.0m<br>18/05/22 | PARTRIDGE GREEN<br>BRIGHTMANS FARM<br>TP 3 |
| 17) TP3 | 18) TP3 |

| | |
|---|---|
|  |  |
| 19) TP3 | 20) TP3 |

| | |
|---|---|
|  |  |
| 21) TP4 | 22) TP4 |

| | |
|---|---|
|  |  |
| 23) TP4 | 24) TP4 |

| | |
|---|---|
|  |  |
| 25) TP4 | 26) TP5 |

| | |
|---|---|
|  |  |
| 27) TP5 | 28) TP5 |

| | |
|---|---|
|  |  |
| 29) TP5 | 30) TP5 |

| | |
|---|---|
|  |  |
| 31) TP5 | 32) Site visit on material import on 05.10.2021 |

| | |
|---|---|
|  |  |
| 33) Site visit on material import on 05.10.2021 | 34) Site visit on material import on 13.10.2021 |

| | |
|---|---|
|  |  |
| 35) Site visit on material import on 13.10.2021 | 36) Site visit on material import on 20.10.2021 |

| | |
|---|---|
|  |  |
| 37) Site visit on material import on 20.10.2021 | 38) Site visit on material import on 20.10.2021 |

| | |
|---|---|
|  |  |
| 39) Site visit on material import on 20.10.2021 | 40) Site visit on material import on 18.05.2022 |

# APPENDIX 3

Laboratory Analytical Certificates of Validation Soil Samples

**Helen Davies-Pye**
Matthews Group
Stephenson Place
Stephenson Way
Three Bridges
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RH10 1TL

**t:** 01293 617014
**f:** 01293 617 018
**e:** helen.davies-pye@matthewsgroup.co.uk

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

**t:** 01923 225404
**f:** 01923 237404
**e:** reception@i2analytical.com

# Analytical Report Number : 20-88664

| | | | |
|---|---|---|---|
| **Project / Site name:** | Brighthams Farm, Partridge Green | **Samples received on:** | 24/02/2020 |
| **Your job number:** | | **Samples instructed on:** | 24/02/2020 |
| **Your order number:** | 12641 | **Analysis completed by:** | 05/03/2020 |
| **Report Issue Number:** | 1 | **Report issued on:** | 05/03/2020 |
| **Samples Analysed:** | 1 10:1 WAC sample | | |

**Signed:** [redacted]

Agnieszka Czerwińska

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.


This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

**i2 Analytical**
7 Woodshots Meadow
Croxley Green Business Park
Watford, WD18 8YS

Telephone: 01923 225404
Fax: 01923 237404
email:reception@i2analytical.com

## Waste Acceptance Criteria Analytical Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Report No:** | **20-88664** | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | **Client:** | **MATTHEWSGRP** | |
| | | | | | | | |
| **Location** | **Brighthams Farm, Partridge Green** | | | | | | |
| **Lab Reference (Sample Number)** | 1451474 / 1451475 | | | | **Landfill Waste Acceptance Criteria Limits** | | |
| **Sampling Date** | 21/02/2020 | | | | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Sample ID** | PG1 | | | | | | |
| **Depth (m)** | | | | | | | |
| **Solid Waste Analysis** | | | | | | | |
| TOC (%)** | 0.4 | | | | 3% | 5% | 6% |
| Loss on Ignition (%) ** | - | | | | -- | -- | 10% |
| BTEX (µg/kg) ** | < 10 | | | | 6000 | -- | -- |
| Sum of PCBs (mg/kg) ** | < 0.007 | | | | 1 | -- | -- |
| Mineral Oil (mg/kg) | < 10 | | | | 500 | -- | -- |
| Total PAH (WAC-17) (mg/kg) | 4.1 | | | | 100 | -- | -- |
| pH (units)** | - | | | | -- | >6 | -- |
| Acid Neutralisation Capacity (mol / kg) | - | | | | -- | To be evaluated | To be evaluated |
| **Eluate Analysis** | 10:1 | | | 10:1 | Limit values for compliance leaching test | | |
| (BS EN 12457 - 2 preparation utilising end over end leaching procedure) | mg/l | | | mg/kg | using BS EN 12457-2 at L/S 10 l/kg (mg/kg) | | |
| Arsenic * | 0.0087 | | | 0.0732 | 0.5 | 2 | 25 |
| Barium * | 0.0130 | | | 0.109 | 20 | 100 | 300 |
| Cadmium * | < 0.0001 | | | < 0.0008 | 0.04 | 1 | 5 |
| Chromium * | 0.0024 | | | 0.021 | 0.5 | 10 | 70 |
| Copper * | 0.0066 | | | 0.056 | 2 | 50 | 100 |
| Mercury * | < 0.0005 | | | < 0.0050 | 0.01 | 0.2 | 2 |
| Molybdenum * | 0.0018 | | | 0.0151 | 0.5 | 10 | 30 |
| Nickel * | 0.0009 | | | 0.0072 | 0.4 | 10 | 40 |
| Lead * | 0.0020 | | | 0.017 | 0.5 | 10 | 50 |
| Antimony * | < 0.0017 | | | < 0.017 | 0.06 | 0.7 | 5 |
| Selenium * | < 0.0040 | | | < 0.040 | 0.1 | 0.5 | 7 |
| Zinc * | 0.0026 | | | 0.022 | 4 | 50 | 200 |
| Chloride * | 8.3 | | | 70 | 800 | 15000 | 25000 |
| Fluoride | 1.8 | | | 15 | 10 | 150 | 500 |
| Sulphate * | 46 | | | 390 | 1000 | 20000 | 50000 |
| TDS* | 150 | | | 1200 | 4000 | 60000 | 100000 |
| Phenol Index (Monohydric Phenols) * | < 0.010 | | | < 0.10 | 1 | - | - |
| DOC | 7.09 | | | 59.3 | 500 | 800 | 1000 |
| | | | | | | | |
| | | | | | | | |
| **Leach Test Information** | | | | | | | |
| | | | | | | | |
| Stone Content (%) | < 0.1 | | | | | | |
| Sample Mass (kg) | 1.3 | | | | | | |
| Dry Matter (%) | 81 | | | | | | |
| Moisture (%) | 19 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation
** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 20-88664**

**Project / Site name: Brighthams Farm, Partridge Green**

* 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 * |
|---|---|---|---|---|
| 1451474 | PG1 | None Supplied | None Supplied | Brown clay and sand. |


This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 20-88664**

**Project / Site name: Brighthams Farm, Partridge Green**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| BS EN 12457-2 (10:1) Leachate Prep | 10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis. | In-house method based on BSEN12457-2. | L043-PL | W | NONE |
| BTEX in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Chloride 10:1 WAC | Determination of Chloride colorimetrically by discrete analyser. | In house based on MEWAM Method ISBN 0117516260. | L082-PL | W | ISO 17025 |
| Dissolved organic carbon 10:1 WAC | Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L037-PL | W | NONE |
| Fluoride 10:1 WAC | Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode. | In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination" | L033B-PL | W | ISO 17025 |
| Metals in leachate by ICP-OES | Determination of metals in leachate by acidification followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Mineral Oil (Soil) C10 - C40 | Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L076-PL | D | NONE |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| Monohydric phenols 10:1 WAC | Determination of phenols in leachate by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL | W | ISO 17025 |
| PCB's By GC-MS in soil | Determination of PCB by extraction with acetone and hexane followed by GC-MS. | In-house method based on USEPA 8082 | L027-PL | D | MCERTS |
| Speciated WAC-17 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. MCERTS accredited except Coronene. | L064-PL | D | NONE |
| 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 |
| Sulphate 10:1 WAC | Determination of sulphate in leachate by ICP-OES | In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Total dissolved solids 10:1 WAC | Determination of total dissolved solids in water by electrometric measurement. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L004-PL | W | ISO 17025 |
| Total organic carbon (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 |

**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 30oC.**


This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

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# Analytical Report Number : 20-88660

| | | | |
|---|---|---|---|
| **Project / Site name:** | Brighthams Farm, Partridge Green | **Samples received on:** | 24/02/2020 |
| **Your job number:** | | **Samples instructed on:** | 24/02/2020 |
| **Your order number:** | 12641 | **Analysis completed by:** | 04/03/2020 |
| **Report Issue Number:** | 1 | **Report issued on:** | 04/03/2020 |
| **Samples Analysed:** | 1 soil sample | | |

**Signed:** [redacted]

Agnieszka Czerwińska

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.


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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 20-88660**

**Project / Site name: Brighthams Farm, Partridge Green**
**Your Order No: 12641**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Lab Sample Number** | | | | 1451462 | | | | |
| **Sample Reference** | | | | PG1 | | | | |
| **Sample Number** | | | | None Supplied | | | | |
| **Depth (m)** | | | | None Supplied | | | | |
| **Date Sampled** | | | | 21/02/2020 | | | | |
| **Time Taken** | | | | None Supplied | | | | |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | | | | |
| Moisture Content | % | N/A | NONE | 19 | | | | |
| Total mass of sample received | kg | 0.001 | NONE | 1.3 | | | | |
| **Monoaromatics & Oxygenates** | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| Toluene | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| Ethylbenzene | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| p & m-xylene | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| o-xylene | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | | | | |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPH-CWG - Aliphatic >EC5 - EC6 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aliphatic >EC6 - EC8 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aliphatic >EC8 - EC10 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aliphatic >EC10 - EC12 | mg/kg | 1 | MCERTS | < 1.0 | | | | |
| TPH-CWG - Aliphatic >EC12 - EC16 | mg/kg | 2 | MCERTS | < 2.0 | | | | |
| TPH-CWG - Aliphatic >EC16 - EC21 | mg/kg | 8 | MCERTS | < 8.0 | | | | |
| TPH-CWG - Aliphatic >EC21 - EC35 | mg/kg | 8 | MCERTS | < 8.0 | | | | |
| **TPH-CWG - Aliphatic (EC5 - EC35)** | mg/kg | 10 | MCERTS | < 10 | | | | |
| TPH-CWG - Aromatic >EC5 - EC7 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aromatic >EC7 - EC8 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aromatic >EC8 - EC10 | mg/kg | 0.001 | MCERTS | < 0.001 | | | | |
| TPH-CWG - Aromatic >EC10 - EC12 | mg/kg | 1 | MCERTS | < 1.0 | | | | |
| TPH-CWG - Aromatic >EC12 - EC16 | mg/kg | 2 | MCERTS | 9.9 | | | | |
| TPH-CWG - Aromatic >EC16 - EC21 | mg/kg | 10 | MCERTS | 14 | | | | |
| TPH-CWG - Aromatic >EC21 - EC35 | mg/kg | 10 | MCERTS | 25 | | | | |
| **TPH-CWG - Aromatic (EC5 - EC35)** | mg/kg | 10 | MCERTS | 49 | | | | |


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**Analytical Report Number : 20-88660**

**Project / Site name: Brighthams Farm, Partridge Green**

* 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 * |
|---|---|---|---|---|
| 1451462 | PG1 | None Supplied | None Supplied | Brown clay and sand. |


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**Analytical Report Number : 20-88660**

**Project / Site name: Brighthams Farm, Partridge Green**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| BTEX and MTBE in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| 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 |
| TPHCWG (Soil) | Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L088/76-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 30oC.**


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# Analytical Report Number : 20-89739

| | | | |
|---|---|---|---|
| **Project / Site name:** | Brighthams Farm, Partridge Green | **Samples received on:** | 28/02/2020 |
| **Your job number:** | | **Samples instructed on:** | 28/02/2020 |
| **Your order number:** | 12643 | **Analysis completed by:** | 10/03/2020 |
| **Report Issue Number:** | 1 | **Report issued on:** | 10/03/2020 |
| **Samples Analysed:** | 10:1 WAC sample | | |

**Signed:** [redacted]

Agnieszka Czerwińska

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.


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## Waste Acceptance Criteria Analytical Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Report No:** | **20-89739** | | | | | | |
| | | | | | **Client:** | **MATTHEWSGRP** | |
| **Location** | **Brighthams Farm, Partridge Green** | | | | | | |
| **Lab Reference (Sample Number)** | 1457384 / 1457385 | | | | **Landfill Waste Acceptance Criteria Limits** | | |
| **Sampling Date** | 27/02/2020 | | | | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Sample ID** | PG2 | | | | | | |
| **Depth (m)** | | | | | | | |
| **Solid Waste Analysis** | | | | | | | |
| TOC (%)** | 0.8 | | | | 3% | 5% | 6% |
| Loss on Ignition (%) ** | - | | | | -- | -- | 10% |
| BTEX (µg/kg) ** | < 10 | | | | 6000 | -- | -- |
| Sum of PCBs (mg/kg) ** | < 0.007 | | | | 1 | -- | -- |
| Mineral Oil (mg/kg) | < 10 | | | | 500 | -- | -- |
| Total PAH (WAC-17) (mg/kg) | 1.7 | | | | 100 | -- | -- |
| pH (units)** | - | | | | -- | >6 | -- |
| Acid Neutralisation Capacity (mol / kg) | - | | | | -- | To be evaluated | To be evaluated |
| **Eluate Analysis** | 10:1 | | | 10:1 | Limit values for compliance leaching test | | |
| (BS EN 12457 - 2 preparation utilising end over end leaching procedure) | mg/l | | | mg/kg | using BS EN 12457-2 at L/S 10 l/kg (mg/kg) | | |
| Arsenic * | 0.0039 | | | 0.0291 | 0.5 | 2 | 25 |
| Barium * | 0.0089 | | | 0.0661 | 20 | 100 | 300 |
| Cadmium * | < 0.0001 | | | < 0.0008 | 0.04 | 1 | 5 |
| Chromium * | 0.0024 | | | 0.018 | 0.5 | 10 | 70 |
| Copper * | 0.0074 | | | 0.055 | 2 | 50 | 100 |
| Mercury * | < 0.0005 | | | < 0.0050 | 0.01 | 0.2 | 2 |
| Molybdenum * | 0.0020 | | | 0.0150 | 0.5 | 10 | 30 |
| Nickel * | < 0.0003 | | | < 0.0030 | 0.4 | 10 | 40 |
| Lead * | 0.0066 | | | 0.049 | 0.5 | 10 | 50 |
| Antimony * | < 0.0017 | | | < 0.017 | 0.06 | 0.7 | 5 |
| Selenium * | < 0.0040 | | | < 0.040 | 0.1 | 0.5 | 7 |
| Zinc * | 0.0025 | | | 0.019 | 4 | 50 | 200 |
| Chloride * | 4.7 | | | 35 | 800 | 15000 | 25000 |
| Fluoride | 1.5 | | | 11 | 10 | 150 | 500 |
| Sulphate * | 55 | | | 410 | 1000 | 20000 | 50000 |
| TDS* | 120 | | | 880 | 4000 | 60000 | 100000 |
| Phenol Index (Monohydric Phenols) * | < 0.010 | | | < 0.10 | 1 | - | - |
| DOC | 13.5 | | | 101 | 500 | 800 | 1000 |
| **Leach Test Information** | | | | | | | |
| Stone Content (%) | < 0.1 | | | | | | |
| Sample Mass (kg) | 1.4 | | | | | | |
| Dry Matter (%) | 73 | | | | | | |
| Moisture (%) | 27 | | | | | | |

Results are expressed on a dry weight basis, after correction for moisture content where applicable.

*= UKAS accredited (liquid eluate analysis only)

Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation

** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



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**Analytical Report Number : 20-89739**

**Project / Site name: Brighthams Farm, Partridge Green**

* 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 * |
|---|---|---|---|---|
| 1457384 | PG2 | None Supplied | None Supplied | Light brown clay and loam with gravel. |


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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 20-89739**

**Project / Site name: Brighthams Farm, Partridge Green**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| BS EN 12457-2 (10:1) Leachate Prep | 10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis. | In-house method based on BSEN12457-2. | L043-PL | W | NONE |
| BTEX in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Chloride 10:1 WAC | Determination of Chloride colorimetrically by discrete analyser. | In house based on MEWAM Method ISBN 0117516260. | L082-PL | W | ISO 17025 |
| Dissolved organic carbon 10:1 WAC | Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L037-PL | W | NONE |
| Fluoride 10:1 WAC | Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode. | In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination" | L033B-PL | W | ISO 17025 |
| Metals in leachate by ICP-OES | Determination of metals in leachate by acidification followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Mineral Oil (Soil) C10 - C40 | Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L076-PL | D | NONE |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| Monohydric phenols 10:1 WAC | Determination of phenols in leachate by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL | W | ISO 17025 |
| PCB's By GC-MS in soil | Determination of PCB by extraction with acetone and hexane followed by GC-MS. | In-house method based on USEPA 8082 | L027-PL | D | MCERTS |
| Speciated WAC-17 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. MCERTS accredited except Coronene. | L064-PL | D | NONE |
| 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 |
| Sulphate 10:1 WAC | Determination of sulphate in leachate by ICP-OES | In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Total dissolved solids 10:1 WAC | Determination of total dissolved solids in water by electrometric measurement. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L004-PL | W | ISO 17025 |
| Total organic carbon (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 |

**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 30oC.**


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# Analytical Report Number : 20-89738

Replaces Analytical Report Number : 20-89738, issue no. 1

Additional analysis undertaken.

| | | | |
|---|---|---|---|
| **Project / Site name:** | Brighthams Farm, Partridge Green | **Samples received on:** | 28/02/2020 |
| **Your job number:** | | **Samples instructed on:** | 28/02/2020 |
| **Your order number:** | 12643 | **Analysis completed by:** | 18/03/2020 |
| **Report Issue Number:** | 2 | **Report issued on:** | 19/03/2020 |
| **Samples Analysed:** | 1 soil sample | | |

**Signed:** [redacted]

Zina Abdul Razzak
Senior Quality Specialist

**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.


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The results included within the report are representative of the samples submitted for analysis.

| Lab Sample Number | | | | 1457383 | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Reference | | | | PG2 | | | | |
| Sample Number | | | | None Supplied | | | | |
| Depth (m) | | | | None Supplied | | | | |
| Date Sampled | | | | 27/02/2020 | | | | |
| Time Taken | | | | None Supplied | | | | |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | | | | |
| Moisture Content | % | N/A | NONE | 27 | | | | |
| Total mass of sample received | kg | 0.001 | NONE | 1.4 | | | | |

**Monoaromatics & Oxygenates**

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

**Petroleum Hydrocarbons**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| TPH C10 - C40 | mg/kg | 10 | MCERTS | < 10 | | | | |

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

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


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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 20-89738**

**Project / Site name: Brighthams Farm, Partridge Green**

* 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 * |
|---|---|---|---|---|
| 1457383 | PG2 | None Supplied | None Supplied | Light brown clay and loam with gravel. |


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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 20-89738**

**Project / Site name: Brighthams Farm, Partridge Green**

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

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---|---|---|
| BTEX and MTBE in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| 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 |
| TPH Banding in Soil by FID | Determination of hexane extractable hydrocarbons in soil by GC-FID. | In-house method, TPH with carbon banding and silica gel split/cleanup. | L076-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. | L088/76-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 30oC.**


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The results included within the report are representative of the samples submitted for analysis.

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# Analytical Report Number : 21-11899

| | | | |
|---|---|---|---|
| **Project / Site name:** | Partridge Green | **Samples received on:** | 23/09/2021 |
| **Your job number:** | | **Samples instructed on/ Analysis started on:** | 23/09/2021 |
| **Your order number:** | 17751 | **Analysis completed by:** | 01/10/2021 |
| **Report Issue Number:** | 1 | **Report issued on:** | 04/10/2021 |
| **Samples Analysed:** | 10:1 WAC sample | | |

**Signed:** [redacted]

Karolina Marek
PL Head of 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.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

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## Waste Acceptance Criteria Analytical Results

| Report No: | 21-11899 | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | Client: | MATTHEWSGRP | |
| Location | Partridge Green | | | | | | |
| Lab Reference (Sample Number) | 2021368 / 2021369 | | | | Landfill Waste Acceptance Criteria Limits | | |
| Sampling Date | 15/09/2021 | | | | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |
| Sample ID | PG3 15.09.2021 | | | | | | |
| Depth (m) | | | | | | | |
| **Solid Waste Analysis** | | | | | | | |
| TOC (%)** | 0.5 | | | | 3% | 5% | 6% |
| Loss on Ignition (%) ** | - | | | | -- | -- | 10% |
| BTEX (µg/kg) ** | < 10 | | | | 6000 | -- | -- |
| Sum of PCBs (mg/kg) ** | < 0.007 | | | | 1 | -- | -- |
| Mineral Oil (mg/kg) | < 10 | | | | 500 | -- | -- |
| Total PAH (WAC-17) (mg/kg) | 4.98 | | | | 100 | -- | -- |
| pH (units)** | - | | | | -- | >6 | -- |
| Acid Neutralisation Capacity (mol / kg) | - | | | | -- | To be evaluated | To be evaluated |
| **Eluate Analysis** | 10:1 | | | 10:1 | Limit values for compliance leaching test | | |
| (BS EN 12457 - 2 preparation utilising end over end leaching procedure) | mg/l | | | mg/kg | using BS EN 12457-2 at L/S 10 l/kg (mg/kg) | | |
| Arsenic * | 0.0054 | | | 0.0467 | 0.5 | 2 | 25 |
| Barium * | 0.0169 | | | 0.146 | 20 | 100 | 300 |
| Cadmium * | < 0.0001 | | | < 0.0008 | 0.04 | 1 | 5 |
| Chromium * | 0.0017 | | | 0.015 | 0.5 | 10 | 70 |
| Copper * | 0.0068 | | | 0.059 | 2 | 50 | 100 |
| Mercury * | < 0.0005 | | | < 0.0050 | 0.01 | 0.2 | 2 |
| Molybdenum * | < 0.0004 | | | < 0.0040 | 0.5 | 10 | 30 |
| Nickel * | 0.0040 | | | 0.034 | 0.4 | 10 | 40 |
| Lead * | 0.0017 | | | 0.015 | 0.5 | 10 | 50 |
| Antimony * | < 0.0017 | | | < 0.017 | 0.06 | 0.7 | 5 |
| Selenium * | < 0.0040 | | | < 0.040 | 0.1 | 0.5 | 7 |
| Zinc * | 0.0086 | | | 0.075 | 4 | 50 | 200 |
| Chloride * | 3.9 | | | 33 | 800 | 15000 | 25000 |
| Fluoride | 0.39 | | | 3.3 | 10 | 150 | 500 |
| Sulphate * | 54 | | | 470 | 1000 | 20000 | 50000 |
| TDS* | 130 | | | 1100 | 4000 | 60000 | 100000 |
| Phenol Index (Monohydric Phenols) * | < 0.010 | | | < 0.10 | 1 | - | - |
| DOC | 7.32 | | | 63.2 | 500 | 800 | 1000 |
| **Leach Test Information** | | | | | | | |
| Stone Content (%) | < 0.1 | | | | | | |
| Sample Mass (kg) | 0.70 | | | | | | |
| Dry Matter (%) | 90 | | | | | | |
| Moisture (%) | 10 | | | | | | |

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation
** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 21-11899**
**Project / Site name: Partridge Green**

* 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 * |
|---|---|---|---|---|
| 2021368 | PG3 15.09.2021 | None Supplied | None Supplied | Light brown sand with gravel and vegetation. |

**Analytical Report Number : 21-11899**
**Project / Site name: Partridge Green**

**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 |
|---|---|---|---|---|---|
| BS EN 12457-2 (10:1) Leachate Prep | 10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis. | In-house method based on BSEN12457-2. | L043-PL | W | NONE |
| Mineral Oil (Soil) C10 - C40 | Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L076-PL | D | NONE |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| Speciated WAC-17 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. MCERTS accredited except Coronene. | L064-PL | D | NONE |
| PCB's By GC-MS in soil | Determination of PCB by extraction with acetone and hexane followed by GC-MS. | In-house method based on USEPA 8082 | L027-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 organic carbon (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 |
| BTEX in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Total BTEX in soil (Poland) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073-PL | W | MCERTS |
| Metals in leachate by ICP-OES | Determination of metals in leachate by acidification followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Chloride 10:1 WAC | Determination of Chloride colorimetrically by discrete analyser. | In house based on MEWAM Method ISBN 0117516260. | L082-PL | W | ISO 17025 |
| Fluoride 10:1 WAC | Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode. | In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination" | L033B-PL | W | ISO 17025 |
| Sulphate 10:1 WAC | Determination of sulphate in leachate by ICP-OES | In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Total dissolved solids 10:1 WAC | Determination of total dissolved solids in water by EC probe using a factor of 0.6. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L004-PL | W | ISO 17025 |
| Monohydric phenols 10:1 WAC | Determination of phenols in leachate by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL | W | ISO 17025 |
| Dissolved organic carbon 10:1 WAC | Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L037-PL | W | NONE |

**Analytical Report Number : 21-11899**
**Project / Site name: Partridge Green**

**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 |
|---|---|---|---|---|---|

**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 30oC.**

**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.**

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# Analytical Report Number : 21-16403

| | | | |
|---|---|---|---|
| **Project / Site name:** | Partridge Green, Brightmans Farm | **Samples received on:** | 14/10/2021 |
| **Your job number:** | | **Samples instructed on/ Analysis started on:** | 14/10/2021 |
| **Your order number:** | 17751 | **Analysis completed by:** | 25/10/2021 |
| **Report Issue Number:** | 1 | **Report issued on:** | 25/10/2021 |
| **Samples Analysed:** | 10:1 WAC sample | | |

**Signed:** [redacted]

Karolina Marek
PL Head of 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.

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The results included within the report are representative of the samples submitted for analysis.

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## Waste Acceptance Criteria Analytical Results

| **Report No:** | **21-16403** | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | **Client:** | **MATTHEWSGRP** | |
| **Location** | **Partridge Green, Brightmans Farm** | | | | **Landfill Waste Acceptance Criteria Limits** | | |
| **Lab Reference (Sample Number)** | 2047208 / 2047209 | | | | | | |
| **Sampling Date** | 13/10/2021 | | | | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Sample ID** | PG5_13.10.2021 | | | | | | |
| **Depth (m)** | | | | | | | |
| **Solid Waste Analysis** | | | | | | | |
| TOC (%)** | 0.8 | | | | 3% | 5% | 6% |
| Loss on Ignition (%) ** | - | | | | -- | -- | 10% |
| BTEX (µg/kg) ** | < 10 | | | | 6000 | -- | -- |
| Sum of PCBs (mg/kg) ** | < 0.007 | | | | 1 | -- | -- |
| Mineral Oil (mg/kg) | < 10 | | | | 500 | -- | -- |
| Total PAH (WAC-17) (mg/kg) | 8.92 | | | | 100 | -- | -- |
| pH (units)** | - | | | | -- | >6 | -- |
| Acid Neutralisation Capacity (mol / kg) | - | | | | -- | To be evaluated | To be evaluated |
| **Eluate Analysis** | 10:1 | | | 10:1 | Limit values for compliance leaching test | | |
| (BS EN 12457 - 2 preparation utilising end over end leaching procedure) | mg/l | | | mg/kg | using BS EN 12457-2 at L/S 10 l/kg (mg/kg) | | |
| Arsenic * | < 0.0010 | | | < 0.0100 | 0.5 | 2 | 25 |
| Barium * | 0.0135 | | | 0.117 | 20 | 100 | 300 |
| Cadmium * | < 0.0001 | | | < 0.0008 | 0.04 | 1 | 5 |
| Chromium * | 0.0005 | | | 0.0041 | 0.5 | 10 | 70 |
| Copper * | 0.0080 | | | 0.069 | 2 | 50 | 100 |
| Mercury * | < 0.0005 | | | < 0.0050 | 0.01 | 0.2 | 2 |
| Molybdenum * | 0.0075 | | | 0.0645 | 0.5 | 10 | 30 |
| Nickel * | 0.0074 | | | 0.064 | 0.4 | 10 | 40 |
| Lead * | 0.0053 | | | 0.046 | 0.5 | 10 | 50 |
| Antimony * | < 0.0017 | | | < 0.017 | 0.06 | 0.7 | 5 |
| Selenium * | < 0.0040 | | | < 0.040 | 0.1 | 0.5 | 7 |
| Zinc * | 0.0050 | | | 0.044 | 4 | 50 | 200 |
| Chloride * | 2.5 | | | 22 | 800 | 15000 | 25000 |
| Fluoride | 0.56 | | | 4.8 | 10 | 150 | 500 |
| Sulphate * | 17 | | | 140 | 1000 | 20000 | 50000 |
| TDS* | 92 | | | 800 | 4000 | 60000 | 100000 |
| Phenol Index (Monohydric Phenols) * | < 0.010 | | | < 0.10 | 1 | - | - |
| DOC | 13.2 | | | 114 | 500 | 800 | 1000 |
| **Leach Test Information** | | | | | | | |
| Stone Content (%) | < 0.1 | | | | | | |
| Sample Mass (kg) | 0.50 | | | | | | |
| Dry Matter (%) | 86 | | | | | | |
| Moisture (%) | 14 | | | | | | |

Results are expressed on a dry weight basis, after correction for moisture content where applicable.
*= UKAS accredited (liquid eluate analysis only)
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation
** = MCERTS accredited

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 21-16403**
**Project / Site name: Partridge Green, Brightmans Farm**

* 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 * |
|---|---|---|---|---|
| 2047208 | PG5_13.10.2021 | None Supplied | None Supplied | Brown clay and sand with gravel. |

**Analytical Report Number : 21-16403**
**Project / Site name: Partridge Green, Brightmans Farm**

**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 |
|---|---|---|---|---|---|
| BS EN 12457-2 (10:1) Leachate Prep | 10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis. | In-house method based on BSEN12457-2. | L043-PL | W | NONE |
| Mineral Oil (Soil) C10 - C40 | Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L076-PL | D | NONE |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| Speciated WAC-17 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. MCERTS accredited except Coronene. | L064-PL | D | NONE |
| PCB's By GC-MS in soil | Determination of PCB by extraction with acetone and hexane followed by GC-MS. | In-house method based on USEPA 8082 | L027-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 organic carbon (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 |
| BTEX in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Total BTEX in soil (Poland) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073-PL | W | MCERTS |
| Metals in leachate by ICP-OES | Determination of metals in leachate by acidification followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Chloride 10:1 WAC | Determination of Chloride colorimetrically by discrete analyser. | In house based on MEWAM Method ISBN 0117516260. | L082-PL | W | ISO 17025 |
| Fluoride 10:1 WAC | Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode. | In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination" | L033B-PL | W | ISO 17025 |
| Sulphate 10:1 WAC | Determination of sulphate in leachate by ICP-OES | In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"" | L039-PL | W | ISO 17025 |
| Total dissolved solids 10:1 WAC | Determination of total dissolved solids in water by EC probe using a factor of 0.6. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L004-PL | W | ISO 17025 |
| Monohydric phenols 10:1 WAC | Determination of phenols in leachate by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL | W | ISO 17025 |
| Dissolved organic carbon 10:1 WAC | Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L037-PL | W | NONE |

**Analytical Report Number : 21-16403**
**Project / Site name: Partridge Green, Brightmans Farm**

**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 |
|---|---|---|---|---|---|

**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 30oC.**

**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.**

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# Analytical Report Number : 22-59950

Replaces Analytical Report Number: 22-59950, issue no. 1
Client sampling date amended.

| | | | |
|---|---|---|---|
| **Project / Site name:** | Partidge Green | **Samples received on:** | 20/05/2022 |
| **Your job number:** | | **Samples instructed on/ Analysis started on:** | 20/05/2022 |
| **Your order number:** | | **Analysis completed by:** | 31/05/2022 |
| **Report Issue Number:** | 2 | **Report issued on:** | 01/06/2022 |
| **Samples Analysed:** | 9 soil samples | | |

[redacted]

**Signed:**

Karolina Marek
PL Head of 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

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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.

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 22-59950**
**Project / Site name: Partidge Green**

| Lab Sample Number | | | | 2285105 | 2285106 | 2285107 | 2285108 | 2285109 |
|---|---|---|---|---|---|---|---|---|
| **Sample Reference** | | | | TP1 | TP1 | TP2 | TP2 | TP3 |
| **Sample Number** | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| **Depth (m)** | | | | 0.20-1.00 | 2.00-2.70 | 0.30-1.20 | 1.20-2.00 | 1.00-2.00 |
| **Date Sampled** | | | | 18/05/2022 | 18/05/2022 | 18/05/2022 | 18/05/2022 | 18/05/2022 |
| **Time Taken** | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | | | | |
| Stone Content | % | 0.1 | NONE | 11 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 11 | 13 | 12 | 12 | 12 |
| Total mass of sample received | kg | 0.001 | NONE | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| **General Inorganics** | | | | | | | | |
| pH - Automated | pH Units | N/A | MCERTS | 7.3 | 7.8 | 7.7 | 7.8 | 8.1 |
| **Speciated PAHs** | | | | | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | 1.2 | < 0.05 | 0.54 | < 0.05 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.36 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | 2 | < 0.05 | 1.1 | < 0.05 |
| Pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | 1.8 | < 0.05 | 0.94 | < 0.05 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | 1.2 | < 0.05 | 0.67 | < 0.05 |
| Chrysene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.75 | < 0.05 | 0.44 | < 0.05 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.92 | < 0.05 | 0.55 | < 0.05 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.64 | < 0.05 | 0.43 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | 1.1 | < 0.05 | 0.62 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.47 | < 0.05 | 0.34 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.61 | < 0.05 | 0.4 | < 0.05 |
| **Total PAH** | | | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | 11 | < 0.80 | 5.98 | < 0.80 |
| **Heavy Metals / Metalloids** | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 11 | 11 | 11 | 9.2 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.3 | 0.5 | 0.2 | 0.3 | 1.3 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 23 | 19 | 25 | 22 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 47 | 21 | 30 | 20 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 18 | 28 | 24 | 28 | 31 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 22 | 11 | 19 | 14 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 45 | 84 | 53 | 160 | 53 |
| **Monoaromatics & Oxygenates** | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| **Petroleum Hydrocarbons** | | | | | | | | |
| TPH C10 - C40 $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | 15 | 67 | 23 | 33 | 94 |

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

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 22-59950**
**Project / Site name: Partidge Green**

| Lab Sample Number | | | | 2285110 | 2285111 | 2285112 | 2285113 |
|---|---|---|---|---|---|---|---|
| **Sample Reference** | | | | TP3 | TP4 | TP4 | TP5 |
| **Sample Number** | | | | None Supplied | None Supplied | None Supplied | None Supplied |
| **Depth (m)** | | | | 2.00-3.00 | 0.30-1.00 | 2.00-3.00 | 1.00-2.00 |
| **Date Sampled** | | | | 18/05/2022 | 19/05/2022 | 19/05/2022 | 19/05/2022 |
| **Time Taken** | | | | None Supplied | None Supplied | None Supplied | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 12 | 14 | 9.6 | 14 |
| Total mass of sample received | kg | 0.001 | NONE | 0.8 | 0.8 | 0.8 | 0.8 |
| **General Inorganics** | | | | | | | |
| pH - Automated | pH Units | N/A | MCERTS | 8.1 | 7.5 | 7.9 | 8.5 |
| **Speciated PAHs** | | | | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 2.7 | 0.69 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.41 | 0.19 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.62 | 0.34 | 5.9 | 1.4 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.58 | 0.29 | 5.1 | 1.2 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.35 | 0.22 | 2.5 | 0.78 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.42 | 0.2 | 2.4 | 0.64 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | 0.42 | < 0.05 | 2.6 | 0.71 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | 0.39 | < 0.05 | 1.6 | 0.41 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.5 | < 0.05 | 2.8 | 0.72 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.28 | < 0.05 | 1.4 | 0.4 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.32 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 0.31 | < 0.05 | 1.7 | 0.43 |
| **Total PAH** | | | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | 3.87 | 1.05 | 29.4 | 7.54 |
| **Heavy Metals / Metalloids** | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 16 | 12 | 15 | 12 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 1.4 | 0.5 | 1 | 1.1 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 27 | 23 | 28 | 26 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 20 | 22 | 35 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 30 | 23 | 25 | 35 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 14 | 14 | 19 | 22 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 71 | 53 | 60 | 83 |
| **Monoaromatics & Oxygenates** | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| p & m-xylene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-xylene | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| **Petroleum Hydrocarbons** | | | | | | | |
| TPH C10 - C40 $_{EH_CU_1D_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 | < 10 | 41 | 53 |

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

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 22-59950**
**Project / Site name: Partidge Green**

* 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 * |
|---|---|---|---|---|
| 2285105 | TP1 | None Supplied | 0.20-1.00 | Light brown clay and sand with gravel and vegetation. |
| 2285106 | TP1 | None Supplied | 2.00-2.70 | Light brown clay and sand with gravel and vegetation. |
| 2285107 | TP2 | None Supplied | 0.30-1.20 | Light brown clay and sand with gravel and vegetation. |
| 2285108 | TP2 | None Supplied | 1.20-2.00 | Light brown clay and sand with gravel and vegetation. |
| 2285109 | TP3 | None Supplied | 1.00-2.00 | Light brown clay and sand with gravel and vegetation. |
| 2285110 | TP3 | None Supplied | 2.00-3.00 | Light brown clay and sand with gravel and vegetation. |
| 2285111 | TP4 | None Supplied | 0.30-1.00 | Light brown clay and sand with gravel and vegetation. |
| 2285112 | TP4 | None Supplied | 2.00-3.00 | Light brown clay and sand with gravel and vegetation. |
| 2285113 | TP5 | None Supplied | 1.00-2.00 | Light brown clay and sand with gravel and vegetation. |

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The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number : 22-59950**
**Project / Site name: Partidge Green**

**Water matrix abbreviations:**
**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| 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 2006 Methods for the Determination of Metals in Soil. | L038-PL | D | MCERTS |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES. | In-house method based on Second Site Properties version 3 | L038-PL | D | MCERTS |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| 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 |
| 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 |
| BTEX and MTBE in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| TPH Banding in Soil by FID | Determination of hexane extractable hydrocarbons in soil by GC-FID. | In-house method, TPH with carbon banding and silica gel split/cleanup. | L076-PL | D | 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 30oC.**

**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.**

## Information in Support of Analytical Results

### List of HWOL Acronyms and Operators

| Acronym | Descriptions |
|---|---|
| HS | Headspace Analysis |
| MS | Mass spectrometry |
| FID | Flame Ionisation Detector |
| GC | Gas Chromatography |
| EH | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU | Clean-up - e.g. by Florisil®, silica gel |
| 1D | GC - Single coil/column gas chromatography |
| 2D | GC-GC - Double coil/column gas chromatography |
| Total | Aliphatics & Aromatics |
| AL | Aliphatics |
| AR | Aromatics |
| #1 | EH_2D_Total but with humics mathematically subtracted |
| #2 | EH_2D_Total but with fatty acids mathematically subtracted |
| _ | Operator - understore to separate acronyms (exception for +) |
| + | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total |

# APPENDIX 4

Signed Delivery Tickets

Stephenson Way, Three Bridges, Crawley RH10 1TL No. 544010

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

**SECTION A** Current Holder of Waste/ Collection Point

Name: DARBY GROUNDWORKS

Address: HAYWARDS HEATH RH16 4BE

Arrival time: _____ Departure time: _____ Waiting time on site: _____

**SECTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: C. EDWARDS Vehicle Reg: WU19 YBJ

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☒ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: _____ Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: MSL PARTRIDGE GREEN Site Operator: _____

Address: BINES ROAD, RH13 8EQ Authorised Tip No: _____

Zone where material placed: _____

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delivery Site: _____

Signed by Driver: [redacted] Signed by Customer: [redacted]

Date: 4-2-20 Print Name: [illegible]

Customers ordering vehicles off the public road do so entirely at their own risk

**EWS (SUSSEX) LTD.** Tel: 01293 617014
Stephenson Way, Three Bridges, Crawley RH10 1TL

No. 586806

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

**SECTION A** Current Holder of Waste/ Collection Point

Name: LANDMARK

Address: ROCKY LN H/HEATH

Arrival time: _____ Departure time: _____ Waiting time on site: _____

**SECTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: K TURNER Vehicle Reg: WU19 VBJ

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☑ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: 1 LOAD Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: BRIGHTMANS FARM Site Operator: MATTHEWS

Address: BARNS RD P/GREEN Authorised Tip No: _____

Zone where material placed: RH13 8EQ

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delivery Site: _____

d by Driver: [redacted] Signed by Custome[redacted]

Date: 28 9 20 Print Name: _____

Customers ordering vehicles off the public road do so entirely at their own risk

**MATTHEWS (SUSSEX) LTD.** Tel: 01293 617014
Stephenson Way, Three Bridges, Crawley RH10 1TL

No. 592005

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

**SECTION A** Current Holder of Waste/ Collection Point

Name: Landmark

Address: Rocky lane Haywards Heath

Arrival time: _____ Departure time: _____ Waiting time on site: _____

**SECTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: [redacted] Vehicle Reg: GM15 TVX

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☑ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: 1 Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |
| Soil | | |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: Brightwan farm Site Operator: Matthews

Address: Bines rd, Partridge green Authorised Tip No: _____

Zone where material placed: _____

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delivery Site: _____

Signed by Driver: [redacted] Signed by Customer: _____

Date: 8-1-21 Print Name [redacted]

Customers ordering vehicles off the public road do so

**MATTHEWS (SUSSEX) LTD.** Tel: 01293 617014

Stephenson Way, Three Bridges, Crawley RH10 1TL

No. 571466

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

**SECTION A** Current Holder of Waste/ Collection Point

Name: J. REILLY

Address: ROCKY LANE . HAYWARDS HEATH

Arrival time: _____ Departure time: _____ Waiting time on site: _____

**SECTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: I. COYNE Vehicle Reg: GF19WOB

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☑ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: _____ Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: BRIGHTHAMS FARM Site Operator: M.S.L

Address: BINES RD Authorised Tip No: _____

Zone where material placed: PARTRIDGE GRN RH13 8EQ

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Deliver [redacted]

Signed by Driver: _____ Signed by Custom [redacted]

Date: 25.2.20 Print Name: _____

Customers ordering vehicles off the public road do so entirely at their own risk

CONTROLLED WASTE TRANSFER NOTE

Current Holder of Waste/ Collection Point

JACKSON FRAMEWORKS

OLD BLUCE STATION, HICKSTEAD BN69HE

e: _____ Departure time: _____ Waiting time on site: _____

B Company Collecting the Waste / Materials

atthews (Sussex) Ltd. Driver: I. COYNE Vehicle Reg: GF19WOB

arriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☒ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

ds: _____ Gross Weight: _____

eight: _____ Net Weight: _____

TION C Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| Other - see below | | ☐ Other - see below |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

SECTION D Authorised Tip / Delivery Point

Site Name: PATHANS FARM Site Operator: _____

Address: COULHAM RH138QN Authorised Tip No: _____

Zone where material placed: _____

SECTION E Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delive[redacted]

Signed by Driver: _____ Signed by Customer: _____

Date: [redacted] Print Name: [redacted]

Customers entering vehicles off the public road do so entirely at their own risk

**MATTHEWS (SUSSEX) LTD.** Tel: 01293 617014

Stephenson Way, Three Bridges, Crawley RH10 1TL

No. 577659

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

**SECTION A** Current Holder of Waste/ Collection Point

Name: Jacksons Civils

Address: A2300, Burgess Hill, RH17 5NZ

Arrival time: _____ Departure time: _____ Waiting time on site: _____

**SECTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: Ben Vehicle Reg: CX62 LYY

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☑ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: 1 Load Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |
| Muck away | | |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: Brighthams farm Site Operator: MSL

Address: Partridge Green Authorised Tip No: _____

Zone where material placed: _____

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delivery Site: _____

Signed by Driver: [redacted] Signed by Customer: [redacted]

Date: 17/9/20 Print Name: [redacted]

Customers ordering vehicles off the public road do so entirely at their own risk

**.TTHEWS (SUSSEX) LTD.** Tel: 01293 617014

ephenson Way, Three Bridges, Crawley RH10 1TL

No. 598809

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

Current Holder of Waste/ Collection Point

Jacksons

A2300 Burgess Hill

l time: _____ Departure time: _____ Waiting time on site: _____

**CTION B** Company Collecting the Waste / Materials

Name: **Matthews (Sussex) Ltd.** Driver: Alan Russell Vehicle Reg: EU17 VCZ

Waste Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☒ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

No. Loads: 1x Load Gross Weight: _____

Tare Weight: _____ Net Weight: _____

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery |
|---|---|---|
| ☒ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand |
| ☐ Other - see below | | ☐ Other - see below |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: Brighthams Farm Site Operator: Matthews

Address: Binnes Rd Partridge Green Authorised Tip No: _____

Zone where material placed: _____

**SECTION E** Services

☐ Daywork Site: _____ Start: _____ Finish: _____

☐ Haulage Collection Site: _____

Delivery Site: _____

Signed by Driver: [redacted] Signed by Customer: [redacted]

Date: 27/1/2021 Print Name: _____

Customers ordering vehicles off the public road do so entirely at their own risk

MATTHEWS
Stephenson Way, Three Bridges, Crawley RH10 1TL Tel: 01293 617014

# CONVEYANCE / CONTROLLED WASTE TRANSFER NOTE

No. 581083

**SECTION A** Current Holder of Waste/ Collection Point

OAKFORD C/O MATTHEWS
ABINGWORTH QRES, THAMESAH

Time: Departure time: Waiting time on site:

**SECTION B** Company Collecting the Waste / Materials

Matthews (Sussex) Ltd. Driver: D. COUTE Vehicle Reg: GU15BAV

Carriers Licence No. CBDU147665 Issued by EA NCCC SHEFFIELD SIC Code 49.41

☑ TIPPER ☐ GRAB TIPPER ☐ RORO ☐ 7.5 TONNE

Loads: 1 Gross Weight:

Tare Weight: Net Weight:

**SECTION C** Description of Waste / Materials Carried

| Collection | | Delivery | |
|---|---|---|---|
| ☑ Soils and Stones Non-Haz | 17 05 04 | ☐ 6F5 / 6F2 Crushed Concrete | |
| ☐ Soils and Stones w. dangerous substances | 17 05 03 | ☐ Type 1 Crushed Concrete | |
| ☐ Concrete | 17 01 01 | ☐ BS3882 Topsoil | |
| ☐ Mixed Hardcore, Bricks, Tiles, Rubble | 17 01 07 | ☐ Graded Topsoil | |
| ☐ Tarmac: Bituminous Mix (not coal tar) | 17 03 02 | ☐ Reject Sand | |
| ☐ Other - see below | | ☐ Other - see below | |
| MUCK AWAY | | | |

I confirm that I have fulfilled my duty to apply the Waste Hierarchy as requested by Regulation 12 of the Waste (England & Wales) Regs 2011.

**SECTION D** Authorised Tip / Delivery Point

Site Name: BRIGHTLANDS FARM Site Operator: MSL

Address: BINES RD, PARTRIDGE GREEN Authorised Tip No:

Zone where material placed: RH13 8EQ

**SECTION E** Services

☐ Daywor[redacted] Start: Finish:

☐ Haulage

Signed by Driv[redacted] Signed by Customer: [redacted]

Date: 11/9/20 Print Name: IS 20

Customers ordering vehicles off the public road do so entirely at their own risk

# APPENDIX 5

CL:AIRE Declarations for Brighthams Farm, Partridge Green

[redacted]

**From:** [redacted]
**Sent:** 10 February 2020 11:03
**To:** Helen Davies-Pye
**Subject:** Notification - CL:AIRE DOWCOP Verification Report production - Ref: 06/02/2020 19:57:50

Dear,

You and your organisation have recently been identified as responsible for the CL:AIRE Definition of Waste: Code of Practice project Verification Report production - see project Declaration copied below (***Not a receipt).

By the estimated date of production - see in Question 12g, the report is expected to send to us via the following link: https://www.claire.co.uk/verification-report-upload, or you can advise us on the same form of the revised production date and the reason for the delay.
Please be aware that until the Verification Report is received, use of the DoW CoP remains incomplete and the material could be considered an illegal deposit.

However, if you are not the appropriate person to receive this email, please let us know by replying to this email immediately.

| | |
|---|---|
| | 06/02/2020 19:57:50 |
| Qualified Person Name | Ged Duckworth for Ged Duckworth Ltd |
| **Qualified Person Number** | 1 |
| **1. This Declaration relates to -** | Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site |
| 2. Proposed Volumes | 2000 |
| **3a. Site of origin - name of site owner, address & contact details** | |
| **3b. Site of origin - site name & address** | |
| **3c. Site of origin - developer name, address & contact details** | |
| **4a. Donor Site - developer name, address & contact details** | Care UK Community Partnerships Group Limited<br>Connaught House<br>850 The Crescent<br>Colchester Business Park<br>Colchester<br>Essex<br>CO4 9QB<br>Telephone: 0300 130 3030 |
| **4b. Donor Site - site name & address** | Beech Hurst, Haywards Heath RH16 4DA |
| **4c. Receiver Site - developer name, address & contact details** | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| **4d. Receiver Site - site name & address** | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13<br>8EQ |
| **5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details** | |

| | |
|---|---|
| **5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site** | |
| **5c. Donor site - developer name, address & contact details** | |
| **5d. Donor site - name & address** | |
| **5e. Receiver site - developer name, address & contact details** | |
| **5f. Receiver site name and address** | |
| **6a. Local Authority name, address** | Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6b. Local Authority - name and contact details:** | Mrs Barbara Childs, Director of Place<br>Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6c. Environment Agency / Natural Resources Wales local office address & contact details** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **7. How will payment be made** | BACS |
| **8. Who will pay the Declaration fee?** | Mark Matthews<br>Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex RH10 1TL<br>Tel: 01293 617014 |
| **9. Email address of person identified in Q8** | helen.davies-pye@matthewsgroup.co.uk |
| **10. Terms & Conditions** | Person identified in Q8 has read and agreed to the Terms & Conditions. |
| **11. Please provide a purchase order number** | Brightham-SS1 |
| **12a. I confirm that -** | I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials. |
| **12b. Please provide a reference for the Materials Management Plan** | MMP prepared by Matthews (Sussex) Limited |
| **12c. Please provide a reference for the Risk Assessment** | Appendix 2: Qualitative Risk Assessment for Brighthams Farm |
| **12d. Please provide a reference for the Remediation Strategy or Design Statement documents.** | Appendix 1: Design Statement for the Slurry Lagoon Scheme at Brighthams Farm |
| 12e. Please provide a reference for the Verification Plan | See Box 26 of MMP |

| | |
|---|---|
| 12f. Identify the organisation and individual(s) (email address / contact details) with responsibility for producing the Verification Report | Helen Davies-Pye of Matthews (Sussex) Limited<br>helen.davies-pye@matthewsgroup.co.uk |
| 12g. Please provide an estimated production date for the Verification Report. | 31/08/2021 |
| 12h. Please reference other supporting documents as required in the MMP.<br>e.g. as a minimum this must include - location plans, schematics, Desk Top Study, mass balance calculations, contingency arrangements, tracking system. Where these are part of another document, this should be explained here. It is recommended each item is listed. | Plans – See Source Site Investigation report and receiver site plans:<br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev01<br>Contingency Arrangements - See Box 21of MMP<br>Tracking System – See Box 22 and Design Statement<br><br>Source Site<br>Preliminary Land Quality Risk Assessment (SLR Jan 2018)<br>Redevelopment To Provide A Care Home At Beech, Hurst, Haywards Heath - Ground Investigation Report (SLR January 2019)<br>Excluding Made Ground and HP4 at 0.9m (marginal exceedance of one PAH) |
| **13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:** | a) The Local Authority |
| **13b. Please reference the correspondence with the Local Authority.** | See Planning Decision |
| **13c. Please reference the correspondence with the EA / NRW.** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **13d. Please reference the correspondence with other relevant regulatory bodies** | |
| **14a. I have reviewed the planning consent including planning conditions** | DC/18/1063 |
| 14b. I have reviewed correspondence concerning the planning consent regarding the development from: | a) The Local Authority |
| 14c. Please list correspondence reviewed in 14b. | See 13 above |
| **15. If planning consent is not required please explain why** | |
| **16. I confirm that the MMP contains the information required:-** | The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the |

| | |
|---|---|
| | MMP. The risk assessment concludes that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner., The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.]., The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal)., The project or phase to which this Declaration applies has not yet commenced; this is not a retrospective application of the DoW CoP., The project does not involve land-spreading / agricultural re-profiling. |

**CL:AIRE**
32 Bloomsbury Street, London WC1B 3QJ
Tel: +44 (0)20 7299 4250
Web: www.claire.co.uk

Leading Sustainable Land Reuse

CL:AIRE is a Charitable Company Limited by Guarantee/Registered in England No. 3740059/Entrust Enrolment No. 119820/Registered Charity No. 1075611

[redacted]

**From:** [redacted]
**Sent:** 10 February 2020 11:05
**To:** Helen Davies-Pye
**Subject:** Notification - CL:AIRE DOWCOP Verification Report production - Ref: 06/02/2020 20:03:56

Dear,

You and your organisation have recently been identified as responsible for the CL:AIRE Definition of Waste: Code of Practice project Verification Report production - see project Declaration copied below (***Not a receipt).

By the estimated date of production - see in Question 12g, the report is expected to send to us via the following link: https://www.claire.co.uk/verification-report-upload, or you can advise us on the same form of the revised production date and the reason for the delay.
Please be aware that until the Verification Report is received, use of the DoW CoP remains incomplete and the material could be considered an illegal deposit.

However, if you are not the appropriate person to receive this email, please let us know by replying to this email immediately.

| | |
|---|---|
| | 06/02/2020 20:03:56 |
| Qualified Person Name | Ged Duckworth for Ged Duckworth Ltd |
| **Qualified Person Number** | 1 |
| **1. This Declaration relates to -** | Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site |
| 2. Proposed Volumes | 2500 |
| **3a. Site of origin - name of site owner, address & contact details** | |
| **3b. Site of origin - site name & address** | |
| **3c. Site of origin - developer name, address & contact details** | |
| **4a. Donor Site - developer name, address & contact details** | Countryside Homes<br>Brentwood Head Office<br>Countryside House<br>The Drive<br>Brentwood<br>Essex CM13 3AT<br>Tel: 01277 260 000 |
| **4b. Donor Site - site name & address** | Foundry Gardens, Rocky Lane, Haywards Heath |
| **4c. Receiver Site - developer name, address & contact details** | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| **4d. Receiver Site - site name & address** | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13<br>8EQ |
| **5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details** | |
| **5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site** | |

| | |
|---|---|
| **5c. Donor site - developer name, address & contact details** | |
| **5d. Donor site - name & address** | |
| **5e. Receiver site - developer name, address & contact details** | |
| **5f. Receiver site name and address** | |
| **6a. Local Authority name, address** | Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6b. Local Authority - name and contact details:** | Mrs Barbara Childs, Director of Place<br>Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6c. Environment Agency / Natural Resources Wales local office address & contact details** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **7. How will payment be made** | BACS |
| **8. Who will pay the Declaration fee?** | Mark Matthews<br>Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex RH10 1TL<br>Tel: 01293 617014 |
| **9. Email address of person identified in Q8** | helen.davies-pye@matthewsgroup.co.uk |
| **10. Terms & Conditions** | Person identified in Q8 has read and agreed to the Terms & Conditions. |
| **11. Please provide a purchase order number** | Brightham-SS2 |
| **12a. I confirm that -** | I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials. |
| **12b. Please provide a reference for the Materials Management Plan** | MMP prepared by Matthews (Sussex) Limited |
| **12c. Please provide a reference for the Risk Assessment** | Appendix 2: Qualitative Risk Assessment for Brighthams Farm |
| **12d. Please provide a reference for the Remediation Strategy or Design Statement documents.** | Appendix 1: Design Statement for the Slurry Lagoon Scheme at Brighthams Farm |
| 12e. Please provide a reference for the Verification Plan | See Box 26 of MMP |

| | |
|---|---|
| **12f. Identify the organisation and individual(s) (email address / contact details) with responsibility for producing the Verification Report** | Helen Davies-Pye of Matthews (Sussex) Limited<br>helen.davies-pye@matthewsgroup.co.uk |
| **12g. Please provide an estimated production date for the Verification Report.** | 31/08/2021 |
| **12h. Please reference other supporting documents as required in the MMP.**<br>**e.g. as a minimum this must include - location plans, schematics, Desk Top Study, mass balance calculations, contingency arrangements, tracking system. Where these are part of another document, this should be explained here. It is recommended each item is listed.** | Plans – See Source Site Investigation report and receiver site plans:<br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev01<br>Contingency Arrangements - See Box 21of MMP<br>Tracking System – See Box 22 and Design Statement<br><br>Source Site<br>Rocky Lane Phase 2 and Phase 3, Haywards Heath, Desk Study and Ground Investigation (Hydrock August 2016, updated October 2016)<br>Excluding Made Ground |
| **13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:** | a) The Local Authority |
| **13b. Please reference the correspondence with the Local Authority.** | See Planning Decision |
| **13c. Please reference the correspondence with the EA / NRW.** | Direct Transfer – see Table 2 of DoWCoP "…hence no need to consult…"<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **13d. Please reference the correspondence with other relevant regulatory bodies** | |
| **14a. I have reviewed the planning consent including planning conditions** | DC/18/1063 |
| **14b. I have reviewed correspondence concerning the planning consent regarding the development from:** | a) The Local Authority |
| **14c. Please list correspondence reviewed in 14b.** | See 13 above |
| **15. If planning consent is not required please explain why** | |
| **16. I confirm that the MMP contains the information required:-** | The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the MMP. The risk assessment concludes that the objectives of |

| | |
|---|---|
| | preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner., The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.]., The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal)., The project or phase to which this Declaration applies has not yet commenced; this is not a retrospective application of the DoW CoP., The project does not involve land-spreading / agricultural re-profiling. |

--
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Leading Sustainable Land Reuse

CL:AIRE is a Charitable Company Limited by Guarantee/Registered in England No. 3740059/Entrust Enrolment No. 119820/Registered Charity No. 1075611

[redacted]

**From:** [redacted]
**Sent:** 10 March 2020 12:04
**To:** Helen Davies-Pye
**Cc:** Yueming Lu
**Subject:** Notification - CL:AIRE DOWCOP Verification Report production - Ref: 09/03/2020 16:58:02

Dear Helen,

You and your organisation have recently been identified as responsible for the CL:AIRE Definition of Waste: Code of Practice project Verification Report production - see project Declaration copied below (***Not a receipt).

By the estimated date of production - see in Question 12g, the report is expected to send to us via the following link: https://www.claire.co.uk/verification-report-upload, or you can advise us on the same form of the revised production date and the reason for the delay.
Please be aware that until the Verification Report is received, use of the DoW CoP remains incomplete and the material could be considered an illegal deposit.

However, if you are not the appropriate person to receive this email, please let us know by replying to this email immediately.

| | |
|---|---|
| **Timestamp** | 09/03/2020 16:58:02 |
| **Qualified Person Name** | Ged Duckworth for Ged Duckworth Limited |
| **Qualified Person Number** | 1 |
| **1. This Declaration relates to -** | Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site |
| **2. Proposed Volumes** | 3500 |
| **3a. Site of origin - name of site owner, address & contact details** | |
| **3b. Site of origin - site name & address** | |
| **3c. Site of origin - developer name, address & contact details** | |
| **4a. Donor Site - developer name, address & contact details** | Barratt Homes and David Wilson Homes Southern Counties Office<br>Barratt House<br>Walnut Tree Close<br>Guildford<br>Surrey, GU1 4SW<br>Tel: 01483 505 533 |
| **4b. Donor Site - site name & address** | Wychwood Park, Land off Rocky Lane, Rocky Lane, Haywards Heath |
| **4c. Receiver Site - developer name, address & contact details** | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| **4d. Receiver Site - site name & address** | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13<br>8EQ |
| **5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details** | |

| | |
|---|---|
| **5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site** | |
| **5c. Donor site - developer name, address & contact details** | |
| **5d. Donor site - name & address** | |
| **5e. Receiver site - developer name, address & contact details** | |
| **5f. Receiver site name and address** | |
| **6a. Local Authority name, address** | Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6b. Local Authority - name and contact details:** | Mrs Barbara Childs, Director of Place<br>Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6c. Environment Agency / Natural Resources Wales local office address & contact details** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **7. How will payment be made** | BACS |
| **8. Who will pay the Declaration fee?** | Mark Matthews<br>Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex RH10 1TL<br>Tel: 01293 617014 |
| **9. Email address of person identified in Q8** | helen.davies-pye@matthewsgroup.co.uk |
| **10. Terms & Conditions** | Person identified in Q8 has read and agreed to the Terms & Conditions. |
| **11. Please provide a purchase order number** | Brightham-SS3 |
| **12a. I confirm that -** | I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials. |
| **12b. Please provide a reference for the Materials Management Plan** | MMP prepared by Matthews (Sussex) Limited |
| **12c. Please provide a reference for the Risk Assessment** | Appendix 2: Qualitative Risk Assessment for Brighthams Farm |
| **12d. Please provide a reference for the Remediation Strategy or Design Statement documents.** | Appendix 1: Design Statement for the Slurry Lagoon Scheme at Brighthams Farm |
| **12e. Please provide a reference for the Verification Plan** | See Box 26 of MMP |

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|---|---|
| **12f. Identify the organisation and individual(s) (email address / contact details) with responsibility for producing the Verification Report** | Helen Davies-Pye of Matthews (Sussex) Limited<br>helen.davies-pye@matthewsgroup.co.uk |
| **12g. Please provide an estimated production date for the Verification Report.** | 31/08/2021 |
| **12h. Please reference other supporting documents as required in the MMP.<br>e.g. as a minimum this must include - location plans, schematics, Desk Top Study, mass balance calculations, contingency arrangements, tracking system. Where these are part of another document, this should be explained here. It is recommended each item is listed.** | Plans – See Source Site Investigation report and receiver site plans:<br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev01<br>Contingency Arrangements - See Box 21of MMP<br>Tracking System – See Box 22 and Design Statement<br><br>Source Site<br>Site Investigation and Risk Assessment Report – Rookery Farm, Rocky Lane, Haywards Heath, West Sussex RH16 4UQ prepared by Southern Testing Laboratories Limited dated 15th December 2017 (Ref: J13344)<br>Excluding Made Ground, including the adjacent pond to the south and the suspected backfilled pond to the SE of the farm buildings and B(a)P hot spots at WLS5@0.5m and WLS8 '0.25m immediately below the floor slabs Made Ground of the farm buildings. |
| **13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:** | a) The Local Authority, b) Environment Agency / NRW |
| **13b. Please reference the correspondence with the Local Authority.** | See Planning Decision |
| **13c. Please reference the correspondence with the EA / NRW.** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>However, see e-mail chain dated 11th November 2019 (no objections to use of the DoWCoP)<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **13d. Please reference the correspondence with other relevant regulatory bodies** | |
| **14a. I have reviewed the planning consent including planning conditions** | DC/18/1063 |
| **14b. I have reviewed correspondence concerning the planning consent regarding the development from:** | a) The Local Authority |
| **14c. Please list correspondence reviewed in 14b.** | See 13 above |

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| **15. If planning consent is not required please explain why** | |
| **16. I confirm that the MMP contains the information required:-** | The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the MMP. The risk assessment concludes that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner., The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.]., The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal)., The project or phase to which this Declaration applies has not yet commenced; this is not a retrospective application of the DoW CoP., The project does not involve land-spreading / agricultural re-profiling. |

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Kayleigh Blackburn
Email: kayleigh.blackburn@claire.co.uk

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|---|---|
| **Timestamp** | 03/07/2020 10:54:53 |
| **Qualified Person Name** | Ged Duckworth for Ged Duckworth Ltd |
| **Qualified Person Number** | 1 |
| **1. This Declaration relates to -** | Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site |
| **2. Proposed Volumes** | 14,000 |
| **3a. Site of origin - name of site owner, address & contact details** | |
| **3b. Site of origin - site name & address** | |
| **3c. Site of origin - developer name, address & contact details** | |
| **4a. Donor Site - developer name, address & contact details** | A2300 Burgess hill, Hassocks, BN6 9HF |
| **4b. Donor Site - site name & address** | West Sussex County Council County Hall,<br>Chichester, PO19 1RQ<br>Tel: 01243 642105 |
| **4c. Receiver Site - developer name, address & contact details** | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| **4d. Receiver Site - site name & address** | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13<br>8EQ |
| **5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details** | |
| **5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site** | |
| **5c. Donor site - developer name, address & contact details** | |
| **5d. Donor site - name & address** | |
| **5e. Receiver site - developer name, address & contact details** | |
| **5f. Receiver site name and address** | |
| **6a. Local Authority name, address** | Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6b. Local Authority - name and contact details:** | Mrs Barbara Childs, Director of Place<br>Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6c. Environment Agency / Natural Resources Wales local office address & contact details** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **7. How will payment be made** | BACS |
| **8. Who will pay the Declaration fee?** | Mark Matthews<br>Matthews (Sussex) Limited |

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| | Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex RH10 1TL<br>Tel: 01293 617014 |
| **9. Email address of person identified in Q8** | ashley.goodlad@matthewsgroup.co.uk |
| **10. Terms & Conditions** | Person identified in Q8 has read and agreed to the Terms & Conditions. |
| **11. Please provide a purchase order number** | Brightham-SS4 |
| **12a. I confirm that -** | I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials. |
| **12b. Please provide a reference for the Materials Management Plan** | MMP prepared by Matthews (Sussex) Limited |
| **12c. Please provide a reference for the Risk Assessment** | Appendix 2: Qualitative Risk Assessment for Brighthams Farm |
| **12d. Please provide a reference for the Remediation Strategy or Design Statement documents.** | Appendix 1: Design Statement for the Slurry Lagoon Scheme at Brighthams Farm |
| **12e. Please provide a reference for the Verification Plan** | See Box 26 of MMP |
| **12f. Identify the organisation and individual(s) (email address / contact details) with responsibility for producing the Verification Report** | Ashley Goodlad of Matthews (Sussex) Limited<br>ashley.goodlad@matthewsgroup.co.uk |
| **12g. Please provide an estimated production date for the Verification Report.** | 31/08/2021 |
| **12h. Please reference other supporting documents as required in the MMP. e.g. as a minimum this must include - location plans, schematics, Desk Top Study, mass balance calculations, contingency arrangements, tracking system. Where these are part of another document, this should be explained here. It is recommended each item is listed.** | Plans – See Source Site Investigation report and receiver site plans:<br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev01<br>Contingency Arrangements - See Box 21of MMP<br>Tracking System – See Box 22 and Design Statement<br><br>Source Site<br>A2300 Corridor Ground Investigation Report undertaken by WSP on behalf of West Sussex County Council. Project Ref: 70044406, dated April 2019.<br>DETS analysis for Burgess A2300 Hill Compound A, DETS Report Ref: 20-04172, dated 9th April 2020.<br>Excluding Made Ground |

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| **13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:** | a) The Local Authority |
| **13b. Please reference the correspondence with the Local Authority.** | See Planning Decision |
| **13c. Please reference the correspondence with the EA / NRW.** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>However, see e-mail chain dated 11th November 2019 (no objections to use of the DoWCoP)<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **13d. Please reference the correspondence with other relevant regulatory bodies** | |
| **14a. I have reviewed the planning consent including planning conditions** | DC/18/1063 |
| **14b. I have reviewed correspondence concerning the planning consent regarding the development from:** | a) The Local Authority |
| **14c. Please list correspondence reviewed in 14b.** | See 13 above |
| **15. If planning consent is not required please explain why** | |
| **16. I confirm that the MMP contains the information required:-** | The risk assessment assesses human health and environmental risks in relation to the proposed uses of all the materials in the MMP. The risk assessment concludes that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner., The Local Authority, the Environment Agency / Natural Resources Wales and other relevant environmental regulatory bodies have not objected to the proposed development / land remediation on the basis that the use of any material is likely to cause harm to human health or pollution of the environment. [This confirmation should be given regardless of whether planning consent is required for the activity. Also see paragraph 3.37 of the CoP.]., The EA/NRW have not objected to the reuse of materials on the grounds that it a.) constitutes a waste management operation or b.) has had a previous application for an environmental permit for waste recovery refused (on the grounds that the project represents waste disposal)., The project or phase to which this Declaration applies has not yet commenced; this is not a retrospective application of the DoW CoP., The project does not involve land-spreading / agricultural re-profiling. |

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Dr. Yueming Lu

**CL:AIRE**
Chiltern House, Haddenham Business Centre,
Thame Road, Haddenham,
Buckinghamshire, HP17 8BY
Tel: +44 (0)1844 296112
Web: www.claire.co.uk

**From:** Yueming Lu <yueming.lu@claire.co.uk>
**Sent:** 23 March 2021 11:11
**To:** ged duckworth <ged.duckworth@btinternet.com>; Waste Exemptions <waste-exemptions@environment-agency.gov.uk>
**Subject:** CL:AIRE Def. of Waste Code of Practice Declaration - 22/03/2021 16:50:28

Thank you for your recent submission of a Definition of Waste: Development Industry Code of Practice Declaration (DoW CoP).

This Declaration will be submitted to the Environment Agency / Natural Resources Wales under the DoW CoP.

You are reminded that if materials are not used in accordance with the Materials Management Plan or risk assessment or if it is discovered that materials were not suitable for use, were used in excessive quantity or in such a manner as to harm human health or pollute the environment, the Environment Agency / Natural Resources Wales may conclude that those materials were discarded and were waste. Please note https://www.gov.uk/government/publications/landfill-tax-disposals-not-made-at-landfill-sites/landfill-tax-disposals-not-made-at-landfill-sites.

You are also reminded that a Verification Report must be prepared on completion of the work as set out in the Remediation Strategy / Design Statement covering the site. This Verification Report must be provided to the Environment Agency / Natural Resources Wales upon request.

This acknowledgement email relates to the following Declaration

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| **Timestamp** | 22/03/2021 16:50:28 |
| **Qualified Person Name** | Ged Duckworth for Ged Duckworth Ltd |
| **Qualified Person Number** | 1 |
| **1. This Declaration relates to -** | Direct Transfer - Route B: Direct use of clean naturally occurring soils on another development site |
| **2. Proposed Volumes** | 8500 |
| **3a. Site of origin - name of site owner, address & contact details** | |
| **3b. Site of origin - site name & address** | |
| **3c. Site of origin - developer name, address & contact details** | |
| **4a. Donor Site - developer name, address & contact details** | Castlelake Holdings,<br>Phase 3 Abingworth Meadows<br>15 Sackville Street<br>London<br>W1S 3DJ<br>Tel: 02071906100 |
| **4b. Donor Site - site name & address** | Abingworth Crescent, Pulborough, RH20 3EQ |
| **4c. Receiver Site - developer name, address & contact details** | R. G. Nash and Sons<br>Brighthams Farm<br>Bines Road<br>Partridge Green<br>West Sussex<br>RH13 8EQ<br>Tel: 07920105277 |
| **4d. Receiver Site - site name & address** | Brighthams Farm Slurry Lagoon, Bines Road, Partridge Green, West Sussex, RH13<br>8EQ |
| **5a. Soil Treatment Facility / Hub site owner / operator - name, address & contact details** | |
| **5b. EA / NRW Permit number for Mobile Treatment Plant or Fixed Soil Treatment site** | |

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| **5c. Donor site - developer name, address & contact details** | |
| **5d. Donor site - name & address** | |
| **5e. Receiver site - developer name, address & contact details** | |
| **5f. Receiver site name and address** | |
| **6a. Local Authority name, address** | Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6b. Local Authority - name and contact details:** | Mrs Barbara Childs, Director of Place<br>Horsham District Council, Parkside, Chart Way, Horsham, RH12 1RL.<br>Tel: 01403 215100<br>Email: planning@horsham.gov.uk |
| **6c. Environment Agency / Natural Resources Wales local office address & contact details** | Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **7. How will payment be made** | BACS |
| **8. Who will pay the Declaration fee?** | Mark Matthews<br>Matthews (Sussex) Limited<br>Stephenson Place<br>Stephenson Way<br>Three Bridges, Crawley<br>West Sussex RH10 1TL<br>Tel: 01293 617014 |
| **9. Email address of person identified in Q8** | ashley.goodlad@matthewsgroup.co.uk |
| **10. Terms & Conditions** | Person identified in Q8 has read and agreed to the Terms & Conditions. |
| **11. Please provide a purchase order number** | Brightham-SS5 |
| **12a. I confirm that -** | I satisfy the Qualified Person requirements set out in Appendix 6 of the Definition of Waste: Development Industry Code of Practice to complete this Declaration. I have reviewed the Materials Management Plan for the above project. I have reviewed the risk assessment. I have reviewed the Remediation Strategy/Design Statement covering the above site. I have requested correspondence / documentation relating to the development and how that relates to the use of materials. |
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| **12h. Please reference other supporting documents as required in the MMP. e.g. as a minimum this must include -** | Plans – See Source Site Investigation report and receiver site plans:<br>1. Location Plan, OS Map, Drawing Reference: 260-13-010<br>2. Existing Ground Levels, Maltby Surveys, Drawing Reference: |

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|---|---|
| **location plans, schematics, Desk Top Study, mass balance calculations, contingency arrangements, tracking system. Where these are part of another document, this should be explained here. It is recommended each item is listed.** | BR/100/102<br>3. Section Plan, Maltby Surveys, Drawing Reference: BR/1001/101 A<br>4. Proposed Slurry Pit, Maltby Surveys, Drawing Reference: BR/100/100 A<br>5. Proposed Access Route, Maltby Surveys, Drawing Reference: BR/100/103 A<br>6. Viewpoint Analysis (Photographs), dowsettmayhew Planning Partnership<br>7. Soft Landscape Layout, Ramsay & Co, Drawing Reference: RCo 264/01 Rev01<br>Contingency Arrangements - See Box 21of MMP<br>Tracking System – See Box 22 and Design Statement<br><br>Source Site<br>Contaminated Land Assessment Abingworth Nursery, Abingworth Developments<br>GEA-17390-12-73 dated 26 June 2012 (Merebrook Consulting Limited)<br>i2 Analytical – Report No : 20-48099 dated 22nd December 2020 Excluding Made Ground |
| **13a. I confirm that I have reviewed the following correspondence / documentation relating to the development and how that relates to the use of materials from:** | a) The Local Authority, b) Environment Agency / NRW |
| **13b. Please reference the correspondence with the Local Authority.** | See Planning Decision |
| **13c. Please reference the correspondence with the EA / NRW.** | Direct Transfer – see Table 2 of DoWCoP "...hence no need to consult..."<br>However, see e-mail chain dated 11th November 2019 (no objections to use of the DoWCoP)<br>Chris Parkin, Environment Officer (Waste)<br>Environment Agency Solent and South Downs Office<br>Guildbourne House<br>Worthing<br>BN11 1LD<br>Tel: 01903 703949, e-mail: chris.parkin@environment-agency.gov.uk |
| **13d. Please reference the correspondence with other relevant regulatory bodies** | |
| **14a. I have reviewed the planning consent including planning conditions** | DC/18/1063 |
| **14b. I have reviewed correspondence concerning the planning consent regarding the development from:** | a) The Local Authority |
| **14c. Please list correspondence reviewed in 14b.** | See 13 above |
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