

# Validation Report

At:

Land Adjacent to Brandet House  
Brenzett,  
Romney Marsh,  
N29 9UG

For:

Graeme Smith

**Private and Confidential**

Ref: 3479 20 03 25 Rpt 02 Rev A NA GS

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Association of Geotechnical & Geoenvironmental Specialists



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Consultancy Ltd

|                                                                                                                             |                                                          |                              |             |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------|-------------|
| <b>This report was produced in accordance with the<br/>Sevenoaks Environmental Consultancy<br/>Quality Assurance System</b> |                                                          |                              |             |
| <b>Report Ref:</b>                                                                                                          | <b>3479 20 03 25 Rpt 02 Rev A NA GS</b>                  |                              |             |
|                                                                                                                             | <b>Consultants Name</b>                                  | <b>Consultants Signature</b> | <b>Date</b> |
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## 1.0 Introduction

Sevenoaks Environmental Consultancy Ltd (SEC) was commissioned by Graeme Smith to produce a Validation Report for the remedial works conducted at Land Adjacent to Brandet House, Brenzett, Romney Marsh, TN29 9UG (see Appendix A Figure 1 Site Location Plan) as part of the site's redevelopment. The scope of work covered by this report is described in SEC's proposal to the Client dated 9<sup>th</sup> January 2020 (Ref: 3479 20 01 09 Ltr 01 FPA 01 Rev C NA GS).

The proposed development comprised the construction of 6no. residential properties with associated gardens and parking areas (see Appendix A Figure 2 Proposed Site Layout Plan).

This report has been produced to help satisfy a Contaminated Land Planning Condition, further to the findings of the previous Geo-Environmental reports referenced below;

- 1) Phase 1 Geo-Environmental Desk Study Report (ref. 07900/23) dated January 2018 by Soiltec;
- 2) Preliminary Geo-Environmental Site Investigation Report (ref: 3410 20 01 27 Rpt 01 Rev B NA GS) dated January 2020 by SEC Ltd; and
- 3) Remedial Method Statement (ref. 3479 20 01 02 Rpt 01 Rev A NA GS) dated January 2020 by SEC Ltd

This current report should be read in conjunction with the previous geo-environmental reports referenced above.

## 2.0 Previous Reports

The following provides a brief summary of the Geo-Environmental conditions at the site based on the findings of the previous reports listed above. Reference should be made to the aforementioned documents for a more comprehensive view of the results and their implications.

### **2.1 Phase 1 Geo-Environmental Desk Study Report (ref. 07900/23) dated January 2018 by Soiltec**

At the time of the previous Desk Study the site was undeveloped and covered by vegetation. The Desk Study Report was written based on the same proposed residential end use as the current development and in relation to planning however Desk Study noted that the proposed development plans were not provided at the time the Desk Study was written.

Historically, the site was identified as farmland until 1898 when a 2no. small outbuildings were developed in south eastern corner of the site with the larger of the 2no. outbuildings extending off site. In 1939 the 2no. small outbuildings were no longer identified on the mapping. The site remained unchanged to date. Within the surrounding area, a drainage ditch was positioned immediately adjacent to the south western boundary of site and a New Sewer was positioned on the opposite side of Rhee Wall Road since 1871. A number of commercial and industrial processes were identified including a windmill immediately adjacent to the west of the site between 1871 and 1975 and a smithy ~150m to the south east in King Street between 1871 and 1939. The windmill was not considered to be a potential source of contamination and was not considered any further.

The geology beneath the site was identified to comprise Hastings Beds bedrock overlain by Superficial Drift Deposits comprising Tidal Flats. This geology was classified as a Secondary A Aquifer.

The site was identified to be located within a designated nitrate vulnerable zone.

There were 3no. potentially infilled areas of land identified within 500m of the site with the closest being located ~350m west of the site. They were all considered to have been unlikely to impact the site.

There were 16no. surface water abstractions within 2000m of the site and the closest was located ~210m north of site which related to spray irrigation.

There were 2no. pollution incidents recorded within 500m of the site with the closest being located ~164m to the south east of the site in 2001 which related to the release of Sewage Materials (grey water) and was classified as a Category 3 (minor impact) Pollution Incident.

There were 6no. discharge consents within 250m of the site with the closest being located ~90m south east of site relating to the discharge of final treated effluent into land.

Potential on site sources of contamination identified by the Desk Study included; former or current site uses and the storage of asbestos cement sheet material on site.

No potential off-site sources of contamination were identified by the report.

In light of the Desk Study findings, further Preliminary Intrusive Geo-Environmental Site Investigation was recommended to investigate the proposed garden areas, the area of the local historic interest attraction (it is unclear what this refers to but perhaps relates to the tank traps although they are now off site given the change in site boundary since the Desk Study was written) and potential presence of asbestos fibres.

## **2.2 Preliminary Geo-Environmental Site Investigation Report (ref: 3410 20 01 27 Rpt 01 Rev B NA GS) dated January 2020 by SEC Ltd**

Further to the previous Desk Study an initial phase of Geo-Environmental Site Investigation was conducted. At this time the site layout was largely similar to that previously described within the earlier desk study although vegetation had been cleared from across the site, an access road had been laid comprising road planings and the asbestos sheeting was no longer on site. The site investigation included the conduct of 4no. hand dug trial pits up to 1m bgl, 2no. Continuous Dynamic Sampler mini boreholes up to 7m bgl and 1no. Cable Percussive borehole up to 20m bgl with monitoring standpipes to facilitate gas and groundwater monitoring. Recovered soil samples were chemically analysed for a general range of determinands given consideration of the potential sources of contamination, and 6no. groundwater and ground gas monitoring visits were undertaken.

Ground conditions encountered on site comprised Made Ground only in TP01 and was proven up to 0.5m bgl. The Made Ground generally comprised slightly sandy gravelly Clay with various inclusions of brick, concrete and cement bonded asbestos fragments.

Underlying the Made Ground, natural material was observed to be generally consistent in all of the exploratory holes and comprised a silty Clay / sandy Clay up to 3.3m bgl over Peat up to 4.7m bgl over Sand which was proven to 20m bgl.

Chemical analysis of the samples collected during the investigation identified the Made Ground to be locally impacted with asbestos cement bonded sheeting fragments and slightly elevated concentrations of zinc up to 400mg/kg with respect to plant growth. The imported road planings for the temporary access road were identified to be contain elevated concentrations of TPH up to 4,835mg/kg and total PAHs up to 132mg/kg. The Natural material across the site was identified to be unimpacted by any contaminants.

Groundwater was only encountered in BH01 at 5.2m bgl during drilling. During environmental monitoring visits conducted following the initial fieldwork, groundwater was encountered within all monitoring installations between 1.60m bgl (WS03) and 2.17m bgl (BH01b).

Waste classification data identified the waste classification codes for the material encountered on site with regards to disposal to landfill and facilitate the segregation of waste arisings for disposal. A summary of soil waste disposal options are provided below:

Table 1: Soil Waste Classification Summary

| Sample ID     | Depth (m) | Material Type                                                           | WAC classification | Hazardous Waste Classification | Disposal Classification                                      |
|---------------|-----------|-------------------------------------------------------------------------|--------------------|--------------------------------|--------------------------------------------------------------|
| HP02          | 0.15      | Natural – slightly gravelly slightly sandy Clay                         | Inert              | Non-Hazardous                  | Inert subject to receiving facility                          |
| TP01 (N)      | 0.3       | Made Ground – gravelly Sand containing cement bonded asbestos fragments | Non-Hazardous      | Hazardous                      | Hazardous subject to receiving facility                      |
| WS06          | 0.7       | Natural - sandy Clay                                                    | Non-Hazardous      | Non-Hazardous                  | Non-Hazardous subject to receiving facility                  |
|               | 3.3 – 4.7 | Natural – Peat                                                          | TBC                | TBC                            | TBC                                                          |
|               | 4.7 – 20  | Natural - Sand                                                          | TBC                | TBC                            | TBC                                                          |
| MOT           |           | MOT                                                                     | TBC                | Non-Hazardous                  | Non-Hazardous subject to WAC analysis and receiving facility |
| Road Planings |           | Road Planings                                                           | TBC                | Hazardous                      | Hazardous subject to receiving facility                      |

Based on the findings, the following on site sources or potentially contaminative processes were identified;

- Apparent hotspot of Asbestos impacted Made Ground identified locally to TP01 (N) up to 0.5m bgl generally comprising slightly sandy gravelly Clay with various inclusions of brick, concrete and cement bonded asbestos sheeting fragments (chrysotile cement) and containing elevated concentrations of zinc up to 400 mg/kg;
- Imported Road Planings associated with the construction of the temporary access road identified to contain elevated TPH;
- Groundwater and surface water identified to be impacted by Ammonia up to 13,000 ug/l and Chloride up to 1,120 mg/l;
- Elevated ground gas concentrations associated with peat deposits including methane up to 1.1%, carbon dioxide up to 8.9% and flow up to 0.3l/hr

Potential off site sources identified included:

- Residential property with a faulty sewage system adjacent to the south of the site.

Based on the findings of the site investigation, the report recommended the following:

- That Made Ground to the north eastern corner of the site by the former access gate and anti-tank traps identified to be impacted with abundant cement bonded asbestos sheeting fragments be removed under suitably controlled conditions and disposed of to suitably licensed waste management facility. Remedial excavation work should be conducted under the Watching Brief of a Geo-Environmental Consultant in order to document the work, certify the to help management of potential Health & Safety risks, to facilitate appropriate segregation of arisings for disposal and avoid cross-contamination to recover soil validation samples for laboratory analysis as necessary. Dust suppression measures should be employed. Soil validation from the sides and base of the remedial excavation should be analysed to confirm source removal.
- That any waste material removed from site be disposed of appropriately to a suitably licensed waste management facility. The asbestos impacted Made Ground should be disposed of as Hazardous Waste under waste code 17 05 03\* and the remaining soils from shallow foundations should be disposed of as Non-Hazardous Waste under waste code 17 05 04 (disposal tickets to be retained).
- That the design of the proposed development include gas protection measures consistent with Characteristic Situation 2 of current CIRIA C665 guidance. With respect to the inclusion of protection measures within the proposed development, based on the assumption that the proposed building will comprise a Type A Building as described in the BS 8485:2015 guidance, i.e. private ownership with small rooms and no building management controls on alterations to internal structure, the use of rooms, the ventilation of rooms or the structural fabric of the building, it is recommended that at least 2no. different design measures be employed within the design of the proposed building in order to reach a minimum gas protection score of 3.5 points. For example, inclusion of a passively vented sub-floor void and gas resistant membrane within the design would achieve the required points (however please refer to Tables 5, 6 and 7 of the BS 8485:2015 guidance for further details). Specialists should be consulted with regards to an appropriate design for the protective measures. Please note that all joints and penetrations should be appropriately sealed and that protective measures should be fitted appropriately in accordance with the manufacturer's specification and current guidance including BRE414 and BS8485. A Verification Plan detailing the gas protection materials' specifications, methodology of installation, installation design and the installers qualifications and experience should be submitted to the Regulators at the design stage for their approval prior to installation of the protection measures to avoid proceeding at risk. An independent specialist should also be engaged to help inform proposed design requirements, installation requirement and to validate the protective measures (membrane) installation and provide a guarantee / warranty for the installation
- That either the water supplier be consulted regarding the chemical results for site soils to confirm their requirements with respect to the type of water supply pipe required on site to be included within the proposed development or that barrier pipe be incorporated into the design.
- That a Discovery Strategy be implemented on site during the re-development works which should be signed by any groundworkers and include for the immediate reporting of any

potential indicators of ground or water contamination e.g. asbestos fragments, ash/clinker or hydrocarbon odours for additional separate assessment by an Environmental Consultant;

- That workers should wear appropriate PPE and employ high standards of personal hygiene (including washing hands before eating, work in well ventilated areas, avoid confined space, avoid contact with soil and groundwater and not smoke);
- That all general rubbish be removed from site and approximately disposed of to a suitably licensed waste management facility (disposal ticketed to be retained prior to commencement of the proposed redevelopment works);
- That liaison with Environmental Health Officer be undertaken at an early stage, following completion of this report to confirm their requirements regarding a Remedial Method Statement;
- That the remedial works should be documented within a Validation Report produced by a Geo-Environmental Consultant.

### **2.3 Remedial Method Statement (ref. 3479 20 01 02 Rpt 01 Rev A NA GS) dated January 2020 by SEC Ltd.**

Further to the findings of the previous Geo-Environmental Report, SEC produced a Remedial Method Statement (RMS) to present the proposed remedial strategy to be adopted during the redevelopment of the site.

Site investigation work identified that the near surface Made Ground in the northern area of site (TP01) was impacted with fragments of asbestos containing materials (cement bonded asbestos sheeting). A Watching Brief by an Environmental Consultant was proposed during the remedial excavation of the impacted material, to support segregation and appropriate waste disposal of the waste streams generated, to collect soil validation samples to confirm contaminant removal, and to document remedial works undertaken for the purpose of a subsequent Validation Report required for Regulatory approval.

Based on the available data remedial excavation should be conducted down to ~0.5m bgl or natural to chase out the asbestos contamination. The excavation of the asbestos impacted Made Ground should be conducted under controlled conditions in compliance with HSE requirements. Other control measures required during the remediation include dust suppression measures (including the use of an airless sprayer and surfactant) to help mitigate risks to workers and neighbouring properties associated with potential generation of asbestos dust. "Dirty" working areas should be segregated from "clean" uncontaminated areas to prevent cross contamination. Measures will be required for plant and personnel moving between areas to ensure that contaminated material is not transferred to uncontaminated areas (e.g. boot washing, plant wheel / track washing).

All waste generated from the redevelopment works will be dealt with in full compliance with the statutory Duty of Care as defined by the Environmental Protection Act 1990, European Waste Framework Directive (2008) and EA Technical Guidance WM3.

Following the remedial excavation of asbestos impacted material, soil validation samples should be recovered from the sides and base of the remedial excavation in order to certify successful removal of the asbestos impacted Made Ground. Soil validation samples should be analysed for asbestos presence / absence for this purpose. The remedial work should be documented within a Validation Report produced by an Environmental Consultant for Regulatory approval with respect to planning requirements.

To help mitigate risks to workers, they should wear appropriate PPE / RPE (including disposable suits and FFP3 face masks) and employ high standards of personal hygiene including washing hands before eating, work in well ventilated areas, avoid confined spaces, avoid contact with soil and groundwater and not smoke in order to manage their potential risks.

A Discovery Strategy should be employed on site during the proposed remediation and follow on redevelopment work to help manage the potential for encountering previously unidentified contamination / suspected contamination.

Any backfill material used to reinstate remedial excavations should meet with the Structural Engineer's requirements. Additionally, prior to the importation of any proposed backfill material, chemical batch data should be provided to an Environmental Consultant for approval and subsequent validity testing of the imported material is required to confirm the initial batch data and its suitability for use on site.

Based on the ground gas monitoring conducted to date, Carbon Dioxide has been recorded up to 8.9% by volume with a flow rate of 0.3l/hr and a gas screening value of 0.0267l/hr has been calculated for the site, which is consistent with a Characteristic Situation 2 of the CIRIA C665 guidance.

The gas protection score for the proposed buildings was calculated by combining the Characteristic Situation with the building type. The proposed development corresponds with a Type A building according to BS 8485:2015 guidance (i.e. private or commercial property with central building management control) and therefore the design of the proposed development should include measures that will achieve a minimum gas protection score of 3.5 points.

A Gas Protection Design Verification Plan should be produced at the design stage of the proposed development, by a suitably qualified and experienced independent specialist in accordance with the recommendations of section 8 of BS8485:2015. The gas protection measures included within the proposed building will also require certification by an independent ground gas specialist in line with CIRIA C735.

## 3.0 Remedial Works

### 3.1 Introduction

Further to the previous reports briefly summarised above, SEC was instructed by the Client to produce a Validation Report for the site, based on initial SEC site attendance to supervise removal of asbestos contaminated soil and the provision of validity documentation to SEC by the Client in support of the remedial measures that were implemented during the construction of the proposed development.

The following describes the remedial process associated with the redevelopment of the site.

### 3.2 Site Description Prior To Remediation

Prior to the conduct of any remedial work, the site was unoccupied but establishment as a construction site had begun. The site was laid mostly to soft cover except for a temporary access road along the north western boundary which was laid to hardstanding comprising road planings.

### 3.3 Remedial Works Proposed

In order to help mitigate potential risks associated with the asbestos impacted Made Ground identified in the northern area of the site, the proposed remedial measures are detailed below:

Given the asbestos impacted Made Ground in the northern area of the site, SEC proposed to be in attendance during the delineation and excavation of the impacted soils in order to certify the remedial excavation work and to help segregate waste arisings for appropriate disposal. The excavation was to be conducted under controlled conditions in compliance with HSE requirements and control measures including dust suppression measures (use of an airless sprayer and surfactant), appropriate PPE / RPE (disposal suits and FFP3 face masks) and segregating "Dirty" working areas from "Clean" uncontaminated areas.

Following the remedial excavation of asbestos impacted material, soil validation samples should be recovered from the sides and base of the remedial excavation in order to certify successful removal of the asbestos impacted Made Ground. Soil validation samples should be analysed for asbestos presence / absence for this purpose.

A Discovery Strategy was to be employed on site to manage residual risks to workers associated with potential, unforeseen ground contamination.

All waste generated from the redevelopment works will be dealt with in full compliance with the statutory Duty of Care as defined by the Environmental Protection Act 1990, European Waste Framework Directive (2008) and EA Technical Guidance WM3

The backfill material used to reinstate remedial excavations should meet with the Structural Engineer's requirements as necessary. Additionally, prior to the importation of any proposed backfill

material, chemical batch data should be provided to an Environmental Consultant for approval and subsequent validity testing of the imported material is required to confirm the initial batch data, its suitability for use on site and inspection of the cover system to verify the thickness. The Chemical Validation Criteria is based upon S4UL' for residential with home-grown produce.

Chemical laboratory analysis of existing soils in areas of proposed soft landscaping indicates that the soils are suitable for use in relation to human health and therefore provide an appropriate growing medium.

A Gas Protection Design Verification Plan should be produced at the design stage of the proposed development, by a suitably qualified and experienced independent specialist in accordance with the recommendations of section 8 of BS8485:2015. The gas protection measures included within the proposed building will also require certification by an independent ground gas specialist in line with CIRIA C735.

All supporting information, including disposal tickets of material removed from site, was required to be collated upon completion of the redevelopment for inclusion with a Validation Report to confirm that the risks to workers, site neighbours, controlled waters and future site users had been appropriately managed to reduce exposure pathways as far as reasonably practicable.

### **3.4 Remedial Works Undertaken**

#### **3.4.1 Asbestos Impacted Made Ground Hotspot**

SEC understands that a Discovery Strategy was implemented on site during the redevelopment works that provided protocol for groundworkers to follow in the event that previously unidentified potential contamination is identified during the works (see Appendix B for Discovery Strategy).

SEC was instructed to attend site from 13<sup>th</sup> to the 15<sup>th</sup> of January 2020 to conduct the excavation of the asbestos impacted material hotspot that had been identified by the Geo-Environmental Site Investigation previously. The impacted area of made ground as determined by the previous data gathered was marked out on plan to provide a delineation for the excavation to follow (see Appendix A Figure 3 for Remedial Excavation and Validation Sample Location Plan). The remedial excavation was conducted at the northern end of the site from the western boundary to the eastern boundary (see Appendix C for Site Photos). The remedial excavation measured ~3m by ~25m and was carried out by an 8ton excavator under the supervision of an SEC Engineer. The material generated was assigned a stockpile area adjacent to the area of excavation to the south. As the process began the extent of the excavation was defined by the presence or absence of asbestos fragments encountered. The stockpile of asbestos impacted material was appropriately segregated with impermeable sheeting beneath and over the stockpile pending the materials disposal. The stockpiled material generated 2 No. grab lorry loads and was removed and disposed of from site as Hazardous Waste (classification code 17 05 03) due to asbestos impact, by Mark Luck Ltd to Dunton Environmental Waste Facility at Union Mill Street, Wolverhampton, West Midlands (see Appendix D for Waste Disposal Tickets).

Throughout the remedial excavation exercise, all operatives wore appropriate PPE /RPE for working with asbestos impacted Made Ground. Additionally, in order to help manage health risks, an airless sprayer with a water / surfactant mix was used to dampen down the arisings to help prevent dust

migration and fibre release. A high standard of hygiene was maintained with the washing of hands and faces before eating or drinking.

Validation samples were collected following the completion of the remedial excavation from the near surface soils (see Appendix A Figure 3 for Remedial Excavation and Validation Sample Location Plan) and were analysed for asbestos impact. It is noted that the remedial excavation was conducted down to depths between ~0.2m bgl and 0.5m bgl as necessitated to remove the Made Ground containing asbestos fragments. 3no. validation samples (VAL 1 – VAL 3) were collected from the base of the remedial excavation on site and 1no. validation sample (VAL 4) was collected from the side of the remedial excavation in the northern boundary of the site. Only 1no. of the 4no. validation samples tested positive for asbestos (Chrysotile cement asbestos sheeting) presence which was VAL 4 (see Appendix E for Laboratory Analysis Results). The negative results from VAL 1 – 3 identified that the asbestos impacted Made Ground had been removed from site, however, the presence of asbestos within VAL 4 identifies that asbestos impacted Made Ground was chased out as far as the site's northern boundary where it would appear to continue beneath the neighbouring site to the north.

Whilst in attendance on site, SEC also collected a validation sample of imported crushed material (VAL Crush Import) that had been imported to site for use as a Pile Mat for the proposed development. No elevated concentrations of any contaminants were identified and this material appeared suitable for use on site with respect to human health (see Appendix E for Laboratory Analysis Results).

#### 3.4.2 General Waste Disposal

Other preparatory groundworks conducted by the Client's contractor are understood to have been undertaken to facilitate the construction of the new houses, which were not subject to a watching brief by SEC. The Client's contractor has provided SEC with soil disposal tickets provided by their haulier (see Appendix D for Waste Disposal Tickets). These tickets appear to suggest that the material went away as inert. Whilst SEC had previously classified the majority of material as Non hazardous for disposal, an email recently provided from Ardula presented in Appendix F appears to suggest different and classified the majority of the material as Inert which appears to have been relied upon by the contractor in relation to soil disposal from site for the development.

#### 3.4.3 Ground Gas Protection

The provision of Ground gas protection measures within the design of the development were managed by the Client. We have not been provided with a copy of Gas Protection Design Verification Plan in accordance with BS8485:2015 however we have been provided with two Verification Reports for plots 1, 2 and 3 and 4, 5 and 6 respectively. The reports were dated 03/04/20 associated with plots 4, 5 and 6 and 12/06/20 for plots 1, 2 and 3. Based upon the reports provided by Geoshield it would appear that the Monarflex Super Membrane that has been installed within the floor design of the houses has been independently validated (see Appendix G for Gas Protection Validation Reports).

#### 3.4.4 Water Supply Pipe

The Client's contractor has informed SEC that South East Water did not require protected barrier pipe water supply pipework to the properties and that standard 25mm mdpe pipework was to their satisfaction. We also understand that South East Water completed the connections works during the week commencing 21/09/20 although SEC has not been provided with confirmatory correspondence from South East Water.

#### 3.4.5 Garden Areas

The previous Geo-Environmental Site Investigation identified that the existing soil's on site were suitable for use with regards to human health and as an appropriate growing medium with the exception of the hotspot of cement bonded asbestos sheeting fragment impacted Made Ground which has been removed as discussed above. During the remediation works on site to remove the asbestos impacted Made Ground in the northern area of the site, it was identified that the impacted Made Ground extended into the garden area of the northern end property only, up to ~0.2m bgl. Given that removal of the contaminated soil in this garden area was required to only shallow depth in this particular garden, it is understood that the remaining topsoil was regraded rather than importation of imported topsoil.

#### 3.4.6 Variations

SEC is unaware of any variations to the planned remedial work that has been undertaken other than the reclassification of waste soil arisings by others for disposal.

## 4.0 Conclusions and Recommendations

Following the remedial excavation work by SEC to remove an asbestos impacted Made Ground hotspot, on site at the northern end near to a former entrance gate, and subsequent validation testing it is considered that the potential risks to receptors (including primarily future site users) associated with the asbestos impacted Made Ground previously identified, are now low (see Appendix H for Risk Assessment Definitions).

Based upon the available information provided by the Client, we understand the following;

- That ground gas protection membranes have been installed by Prestige Air within each of the 6 houses which has been independently validated by Geoshield, in order to help mitigate potential ground gas ingress to the properties;
- We understand that waste disposal from site (excluding that remediated by SEC) was reclassified by the Client's haulier and was disposed of as Inert rather than Non-Hazardous;
- SEC have been advised that South East Water were satisfied with the provision of standard water supply pipework;
- A Discovery Strategy was implemented on site during the redevelopment work and SEC have been advised that no previously unidentified ground contamination was encountered.

Potential risks associated with the sources of contamination identified by the previous site investigation therefore now appear to have been mitigated based upon the available information and as such the site should be suitable for the proposed residential use.

Please note that should the usage or layout of the site change or additional information be obtained, then the potential risks should be re-appraised by an Environmental Consultant.

## 5.0 General Limitations and Exceptions

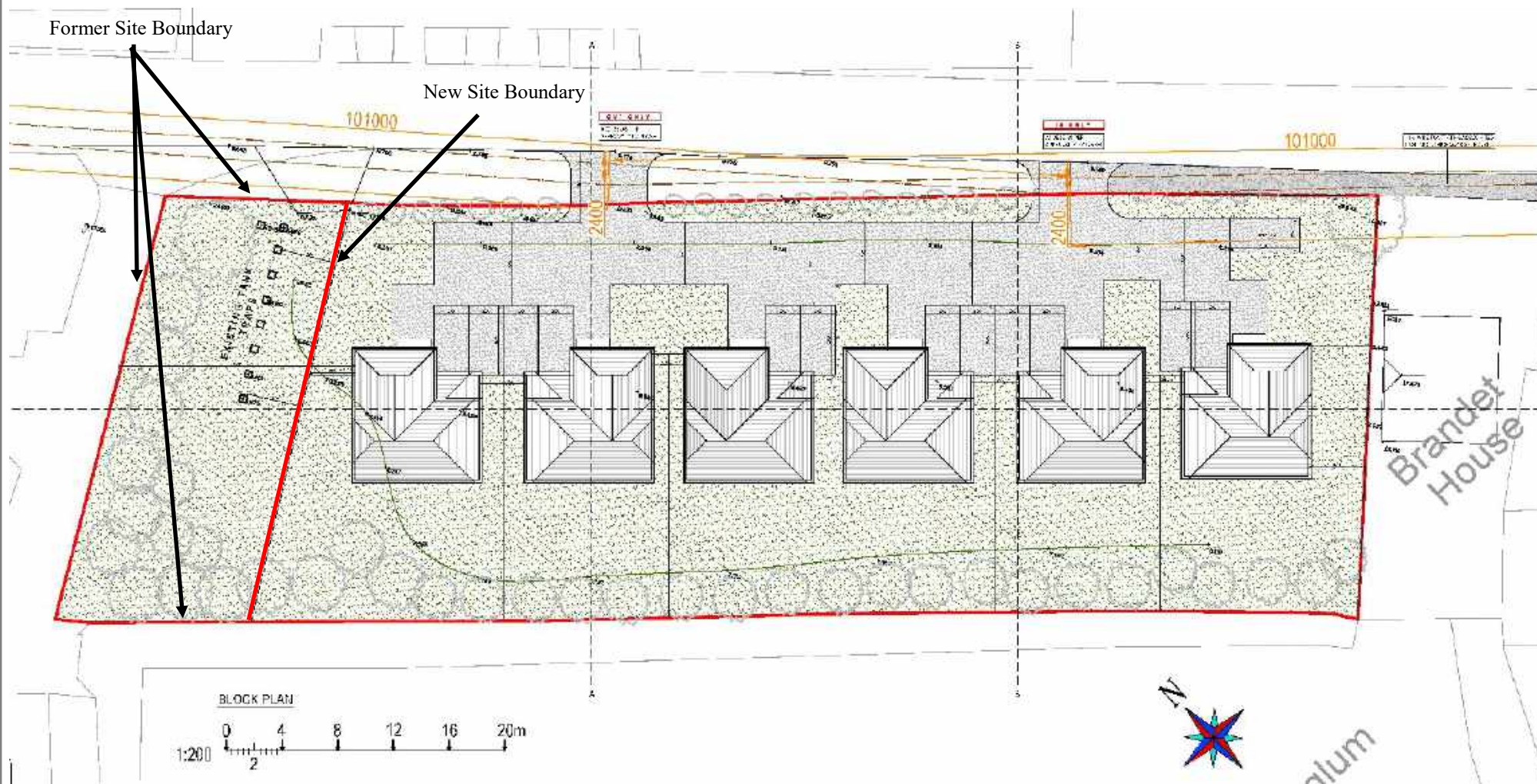
1. The advice given in this report with respect to contaminated land/pollution is based on the guidelines available at the time of writing and is subject to approval by the regulators.
2. The Client is advised that the conditions observed on site by SEC at the time of the investigation are subject to change. Certain indicators of the presence of hazardous substances may have been latent at the time of the most recent site reconnaissance or investigation and they may subsequently have become observable.
3. Comments made relating to land gas or groundwater conditions are based on observations made at the time of the investigation unless otherwise stated. The normal rate of conduct of an exploratory hole does not usually permit the recording of an equilibrium groundwater level for any one strike. Land gas and / or groundwater conditions may vary as a result of seasonal or other effects.
4. Ground contamination often exists as small discrete areas of contamination and there can be no certainty that any or all such areas have been located, sampled and/or identified. This is particularly significant for an investigation by window sampler as a relatively small sample of soil is extracted, which may not be entirely representative of the surrounding ground conditions.
5. The opinions expressed in this report are based on the ground conditions revealed by the site works, together with an assessment of the site and of laboratory test results. Whilst opinions may be expressed relating to sub-soil conditions in parts of the site not investigated, for example between or beyond borehole positions, these are only for guidance only and no liability can be accepted for their accuracy.
6. This assessment may be subject to amendment in light of additional information becoming available.
7. The findings and opinions conveyed in this report are based on information obtained from a variety of sources, including that from 1) previous site investigations and 2) chemical testing laboratories, and which SEC has assumed are correct. Nevertheless, SEC cannot and does not guarantee the authenticity or reliability of the information it has relied upon. SEC can accept no responsibility for inaccuracies within the data supplied by other parties.
8. This report is written in the context of an agreed scope of work between SEC and the Client and should not be used in a different context. In light of additional information becoming available, improved practices and changes in legislation amendment or re-interpretation of the assessment or report in whole or part may be necessary after its original submission.
9. This report is provided for sole use by the Client and is confidential to them. No responsibility whatsoever for the contents of the report will be accepted to anyone other than the Client.
10. SEC believes that providing information about limitations is essential to help the Client identify and thereby manage risks.
11. The copyright of written materials supplied shall remain the property of SEC but with a royalty-free perpetual licence, granted to the Client on payment in full of any outstanding monies.
12. SEC does not provide legal advice and the advice of the Client's legal advisors may also be required.
13. The use of data generated by this site investigation for the design of foundations was outside the scope of this report.

14. SEC notes that this assessment is subject to regulatory review and approval.
15. This report represents a stage in an iterative process of investigation and assessment and as such it is possible that further work may be recommended.
16. An ecological, topographical or asbestos survey was outside of the scope of this report

# Appendix A

Figures





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This map is not to be relied upon for accuracy and is for identification purposes only

SITE: Land Adjacent Brandet House, Brenzett, Romney Marsh, TN29 9UG

SCALE: NTS

JOB NO: 3479

FIGURE TITLE: Proposed Development Plan

REV: 01

FIGURE NO: 02





# Appendix B

Discovery Strategy

## **DISCOVERY STRATEGY CONTAMINATED MATERIALS**

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***SITE: Land Adjacent to Brandet House, Brenzett, Romney Marsh, TN29 9UG***

### ***INTRODUCTION***

The above site is currently undergoing ground remediation work as part of the construction of the proposed 6 No. residential properties with associated gardens and parking. A Discovery Strategy is to be implemented on site to provide workers with a protocol to follow in the event that previously unidentified potential ground contamination is encountered during the works.

Its purpose is to define the process to be undertaken on site in the event that previously unidentified pockets of ground or water contamination or suspicious objects (e.g. cement bonded asbestos sheeting fragments) are discovered during the redevelopment of the site. Should suspected evidence of contamination be identified then additional separate assessment should be conducted by an Environmental Consultant. It is intended to be understood and followed by all on-site workers and for all new site workers to be made aware of the procedure.

### ***HOW TO IDENTIFY POTENTIALLY CONTAMINATED MATERIAL***

- Looks / colours – e.g. black or bright colours such as blue, green, yellow, purple, pink, grey, oily or has an iridescent sheen
- Odours / smells – e.g. has an oil, fuel or solvent type of odour
- Man made fragments – e.g. paint or oil tins, cans or drums, car parts, bottles, glass, metal, rubber or rubbish fragments
- Ground contains foreign fragments of cement bonded (potential asbestos) sheeting, coal/coke, clinker, ash
- Subsurface structures / vessels, concrete or metal e.g. oil or asbestos filled pits or tanks, walls, metal pipes and sandbags

(N.B. These are examples only – This list is not exhaustive. If in any doubt then ask the Environmental Consultant)

### ***PROCEDURE***

If during the redevelopment work, any visibly contaminated or odourous material is found to be present at the site, it must be investigated further by an Environmental Consultant, the Local Planning Authority must be informed immediately of the nature and degree of contamination present and a method statement detailing how the unsuspected contamination shall be dealt with must be prepared and submitted to the Local Planning Authority for approval in writing before being implemented.

On the discovery of any suspicious material or buried structures during the redevelopment of the site, the following procedure should be followed:

- Site Personnel to immediately inform Client / Site Manager. Do not investigate it yourself.
- Client / Site Manager to inspect and confirm the observations of potentially contaminated material and will inform Sevenoaks Environmental Consultancy Ltd. The area will be cordoned off and work will cease in the vicinity.
- Sevenoaks Environmental Consultancy Limited will attend site to inspect and sample the material in question for laboratory testing to evaluate if the material in question has been reported on previously and will attempt to quantify the extent and volume of any potential contamination if not.
- The Environmental Health Officer at the Council will then be notified that contaminated material which has not been found previously has been encountered and provided details for the recommended approach to mitigate potential risks.

## **CONTACT DETAILS**

### **Environmental Consultant:**

Sevenoaks Environmental Consultancy Ltd.  
145a Hastings Road  
Pembury  
Tunbridge Wells  
Kent  
TN2 4JU

Contact: Damian Jones  
Tel: 01892 822 999  
Email: [d.jones@sevenoaksenvironmental.co.uk](mailto:d.jones@sevenoaksenvironmental.co.uk)

### **Regulator:**

Folkestone & Hythe District Council  
Civic Centre,  
Castle Hill Avenue,  
Folkestone,  
Kent,  
CT20 2QY

Tel: 01303 853000

### **Client / Main Contractor:**

Graeme Smith / Mervyn Turk  
Land Adjacent to Brandet House,  
Brenzett,  
Romney Marsh  
TN29 9UG

Contact: Graeme Smith / Mervyn Turk

Tel: 01424759569  
Email: [dpsmith1066@gmail.com](mailto:dpsmith1066@gmail.com) / [m\\_turk@sky.com](mailto:m_turk@sky.com)

## DECLARATION

[illegible]

# Appendix C

Site Photos



Photo 1 – Conduct of near surface remedial excavation under SEC Watching Brief



Photo 2 – Contaminated arisings excavated on to plastic sheeting adjacent to the north east of the remedial excavation



Photo 3 – Example of cement asbestos fragments entrained within Made Ground



Photo 4 – Extent of remedial excavation and positions of validation samples



Photo 5 – Removal of asbestos impacted arisings via grab lorries



Photo 6 – Placement of imported crush pile mat material in the background beneath proposed houses

# Appendix D

Waste Disposal Tickets



MARK LUCK LIMITED

Mark Luck Haulage Yard

Railway Sidings Wested Lane Swanley Kent BR8 8EE

Telephone: (01322) 613355 Fax: (01322) 613265

Website: www.markluckltd.co.uk

E-mail: info@markluckltd.co.uk

All Aggregates - Recycled Materials - Site Clearance - T/Soils

CONVEYANCE/CONTROLLED WASTE TRANSFER NOTE

Nº 794092



**Section A.**

Description of Waste/Material

Vehicle Reg. [REDACTED]

Cubic Metres

In Words

GROSS

TARE

NETT

Driver's Name

CLIENT  
SIC

EWC

**Section B. Current Holder of Waste/Material/Collection Point**

Name

Address

Waste Reg. No (if applicable)

**Section C. Person Collecting Waste**

MARK LUCK LIMITED

SIC Code 49.41

Registered Waste Carrier No. CBDU90780

Issued by KENT COUNTY COUNCIL

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

**Section D. Authorised Tip / Delivery Point / Daywork**

Name

Address

Authorised Tip No. (if applicable)

Waiting time on Site/Daywork

Arrival Time

Departure Time

Allowance/TT

Hours Chargeable

Signed on behalf of Customer

PRINT NAME

N.B. To Customers, Authorized Agents, Representatives, or Responsible Persons signing this Delivery Ticket. This is in your interest - Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. We cannot accept responsibility for damage caused by our vehicles while delivering material to your site.

Signed by Driver

Signed on behalf of Customer

Date

PLEASE PRINT



MARK LUCK LIMITED

Mark Luck Haulage Yard

Railway Sidings Wested Lane Swanley Kent BR8 8EE

Telephone: (01322) 613355 Fax: (01322) 613265

Website: www.markluckltd.co.uk

E-mail: info@markluckltd.co.uk

All Aggregates - Recycled Materials - Site Clearance - T/Soils

CONVEYANCE/CONTROLLED WASTE TRANSFER NOTE

Nº 792311



**Section A.**

Description of Waste/Material

Vehicle Reg. [REDACTED]

Cubic Metres

In Words

GROSS

TARE

NETT

Driver's Name

CLIENT  
SIC

EWC

**Section B. Current Holder of Waste/Material/Collection Point**

Name

Address

Waste Reg. No (if applicable)

**Section C. Person Collecting Waste**

MARK LUCK LIMITED

SIC Code 49.41

Registered Waste Carrier No. CBDU90780

Issued by KENT COUNTY COUNCIL

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

**Section D. Authorised Tip / Delivery Point / Daywork**

Name

Address

Authorised Tip No. (if applicable)

Waiting time on Site/Daywork

Arrival Time

Departure Time

Allowance/TT

Hours Chargeable

Signed on behalf of Customer

PRINT NAME

N.B. To Customers, Authorized Agents, Representatives, or Responsible Persons signing this Delivery Ticket. This is in your interest - Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction, before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. We cannot accept responsibility for damage caused by our vehicles while delivering material to your site.

Signed by Driver

Signed on behalf of Customer

Date

PLEASE PRINT

# Weighbridge / Transfer Note

Ticket Number: HF12544



|                                                                                                                                                         |                                                                                    |                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------|
| Site Address & Permit Number:<br>W-ton Waste Treatment Facility<br>Horseley Fields<br>Wolverhampton, WV1 3DT<br><b>CBDU92169</b><br><b>EPR/BP3331DD</b> | Site No.: 2                                                                        | Approval No.: DTC/20/398                  |
|                                                                                                                                                         | Date: 15/01/2020                                                                   | Vehicle Type: 8WHEELER                    |
|                                                                                                                                                         | Vehicle Registration: [REDACTED]                                                   | Driver Name: LAWRENCE                     |
| Customer Order No.:                                                                                                                                     | Waste Description: Soil containing visible asbestos fragments - 17 05 03* - 17     |                                           |
| Customer Name & Trading Address:<br><b>MARK LUCK LIMITED</b><br>98 Station Road<br>Sidcup<br>Kent<br>DA15 7BY                                           | Haulier: <b>MARK LUCK LTD.</b>                                                     |                                           |
|                                                                                                                                                         | Waste Source: <b>LAND ADJACENT TO BRANDET HOUSE BREZZETT,</b>                      |                                           |
|                                                                                                                                                         | SIC Code: 39.00                                                                    | Remediation activities & waste management |
| <b>Weight</b><br>TARE: 31,780 kg<br>GROSS: 16,520 kg<br>NET: 15,260 kg                                                                                  | Customer Transfer Note/WB Ticket No.:                                              |                                           |
|                                                                                                                                                         | Consignment Note: romney/seve1                                                     |                                           |
| Comments:                                                                                                                                               | Waste Carriers No.: CBDU90780                                                      |                                           |
| Received for Dunton Environmental<br>[REDACTED]                                                                                                         | Soterion House<br>Northgate, Aldridge<br>Walsall<br>WS9 8TH<br>(+44) 0121 356 4360 | Drivers Signature<br>[REDACTED]           |

# The Hazardous Waste Regulations 2005: Consignment Note

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

## PART A Notification details

1. Consignment note code: **ROMNEY SEVE001**
2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):  
**LAND Adjacent to Brandet House  
Brenzett, Romney Marsh  
TN29 9UG**
3. The waste will be taken to (name, address and postcode):  
**Dunton Env, Union Mill Street  
Wolverhampton west midlands**
4. The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):  
**Permit NO: [REDACTED]**

## PART B Description of the waste

1. The process giving rise to the waste(s) was: **Construction**
2. SIC (2007) for the process giving rise to the waste: **38 22 1**
3. WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)
- | Description of waste       | List of wastes (EWC code) (6 digits) | Quantity (kg) | The chemical/biological components in the waste and their concentrations are: |                            | Physical form (gas, liquid, solid, powder, sludge or mixed) | Hazard code(s)  | Container type, number and size |
|----------------------------|--------------------------------------|---------------|-------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|-----------------|---------------------------------|
|                            |                                      |               | Component                                                                     | Concentration (% or mg/kg) |                                                             |                 |                                 |
| <b>Soils with Asbestos</b> | <b>170503</b>                        | <b>16000</b>  | <b>ASBESTOS</b>                                                               | <b>Less than 0.1%</b>      | <b>Solid</b>                                                | <b>HP7 GRAB</b> |                                 |

The information given below is to be completed for each EWC identified

| EWC code | UN identification number(s) | Proper shipping name(s) | UN class(es) | Packing group(s) | Special handling requirements |
|----------|-----------------------------|-------------------------|--------------|------------------|-------------------------------|
|          |                             |                         |              |                  |                               |
|          |                             |                         |              |                  |                               |

## PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here: ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are:

1. Carrier name: **MARK WICK LTD**  
On behalf of (name, address, postcode, telephone, e-mail, facsimile):  
**Wested Lane, Swanley Kent BR8 8EE.**

2. Carrier registration no. (reason for exemption):  
**CBD0907807**  
(or mode of transport, if not road): **Audence**

Date: **14/1/20** Time: **1600**

## PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

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

1. Consignor name:  
On behalf of (name, address, postcode, telephone, e-mail, facsimile): **[REDACTED]**

Signature: **[REDACTED]** Date: **14/1/20** Time: **1600**

## PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

| Individual EWC code(s) received | Quantity of each EWC code received (kg) | EWC code accepted/rejected | Waste management operation (R or D code) |
|---------------------------------|-----------------------------------------|----------------------------|------------------------------------------|
| <b>170503</b>                   | <b>15260</b>                            | <b>✓</b>                   | <b>D</b>                                 |

1. I received this waste at the address given in A3 on: Date **15/01/2020**
2. Vehicle registration no. (or mode of transport if not road): **G12 LGE**
3. Where waste is rejected please provide details:

I certify that waste permit/exempt waste operation number:

**EPR/BP 5331DD**  
authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

**DUNTON ENVIRONMENTAL LTD**  
UNIT 1, TAMEBRIDGE, INDUSTRIAL ESTATE  
ALDREY

Signature: **[REDACTED]** Date: **15/01/2020** Time: **[REDACTED]**

→ ghbridge / Transfer Note

Ticket Number: HF12552

|                                                                                                                                                         |                                                                                    |                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Site Address & Permit Number:<br>W-ton Waste Treatment Facility<br>Horseley Fields<br>Wolverhampton, WV1 3DT<br><b>CBDU92169</b><br><b>EPR/BP3331DD</b> | Site No.: 2                                                                        | Approval No.: DTC/20/398                                                                                                 |
|                                                                                                                                                         | Date: 15/01/2020                                                                   | Vehicle Type: 8WHEELER                                                                                                   |
|                                                                                                                                                         | Vehicle Registration: [REDACTED]                                                   | Driver Name: ....                                                                                                        |
| Customer Order No.:                                                                                                                                     | Waste Description: Soil containing visible asbestos fragments - 17 05 03* - 17     |                                                                                                                          |
| Customer Name & Trading Address:<br><b>MARK LUCK LIMITED</b><br>98 Station Road<br>Sidcup<br>Kent<br>DA15 7BY                                           | Haulier: <b>MARK LUCK LTD.</b>                                                     |                                                                                                                          |
|                                                                                                                                                         | Waste Source: <b>LAND ADJACENT TO BRANDET HOUSE BRENZETT,</b>                      |                                                                                                                          |
|                                                                                                                                                         | SIC Code: 39.00 Remediation activities & waste management                          |                                                                                                                          |
| <b>Weight</b><br>TARE: 30,800 kg<br>GROSS: 16,460 kg<br>NET: 14,340 kg                                                                                  | Customer Transfer Note/WB Ticket No.:                                              |                                                                                                                          |
|                                                                                                                                                         | Consignment Note: romney/seve2                                                     |                                                                                                                          |
| Comments:                                                                                                                                               | Waste Carriers No.: CBDU90780                                                      |                                                                                                                          |
| Received for Dunton Environmental<br>[REDACTED]                                                                                                         | Soterion House<br>Northgate, Aldridge<br>Walsall<br>WS9 8TH<br>(+44) 0121 356 4360 | Drivers Signature<br><br>[REDACTED] |

# The Hazardous Waste Regulations 2005: Consignment Note



PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

## PART A Notification details

1. Consignment note code: **ROMNEY SEVE002**
2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):  
**LAND Adjacent to Broadet House  
Brenzett, Romney Marsh  
TN29 9UG**
3. The waste will be taken to (name, address and postcode):  
**Dunton Env, Union Mill Street  
Wolverhampton  
West Midlands**
4. The waste producer was or different from 2) (name, address, postcode, telephone, e-mail, facsimile):  
**Permit NO: [REDACTED]**

## PART B Description of the waste

1. The process giving rise to the waste(s) was: **Construction**
2. SIC (2007) for the process giving rise to the waste: **38 22 1**
3. WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

| Description of waste           | List of wastes (EWC code)(6 digits) | Quantity (kg) | The chemical/biological components in the waste and their concentrations are: |                            | Physical form (gas, liquid, solid, powder, sludge or mixed) | Hazard code(s)  | Container type, number and size |
|--------------------------------|-------------------------------------|---------------|-------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|-----------------|---------------------------------|
|                                |                                     |               | Component                                                                     | Concentration (% or mg/kg) |                                                             |                 |                                 |
| <b>Soils with Asbestos Haz</b> | <b>170503</b>                       | <b>16000</b>  | <b>ASBESTOS</b>                                                               | <b>Less Than 0.1 %</b>     | <b>Solid</b>                                                | <b>HP7 GRAB</b> |                                 |

The information given below is to be completed for each EWC identified

| EWC code | UN identification number(s) | Proper shipping name(s) | UN class(es) | Packing group(s) | Special handling requirements |
|----------|-----------------------------|-------------------------|--------------|------------------|-------------------------------|
|          |                             |                         |              |                  |                               |

## PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here: ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements:

Where this note comprises part of a multiple collection the round number and collection number are:

1. Carrier name: **MARK WICK LTD**  
On behalf of (name, address, postcode, telephone, e-mail, facsimile):  
**Wested Lane, Swanley Kent  
BR8 8EE.**

2. Carrier registration no./reason for exemption:  
**CBD090780**

3. Vehicle registration no. (or mode of transport, if not road):  
**[REDACTED]**

Signature: **[REDACTED]**  
Date: **15/1/20** Time: **[REDACTED]**

## PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

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

1. Consignor name:  
On behalf of (name, address, postcode, telephone, e-mail, facsimile):  
**[REDACTED]**

Signature: **[REDACTED]**  
Date: **15/1/20** Time: **[REDACTED]**

## PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

| Individual EWC code(s) received | Quantity of each EWC code received (kg) | EWC code accepted/rejected | Waste management operation (R or D code) |
|---------------------------------|-----------------------------------------|----------------------------|------------------------------------------|
| <b>170503</b>                   | <b>14,340</b>                           | <b>✓</b>                   | <b>D9</b>                                |

1. I received this waste at the address given in A3 on: Date **15/1/2020** Time: **[REDACTED]**

2. Vehicle registration no. (or mode of transport, if not road):  
**[REDACTED]**

3. Where waste is rejected please provide details:  
**[REDACTED]**

I certify that waste permit/exempt waste operation number:

**[REDACTED]**  
authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection as identified in Part C, I certify that the total number of consignments forming the collection are: **[REDACTED]**

**Dunton**  
On behalf of (name, address, postcode, telephone, e-mail, facsimile):  
**[REDACTED]**

Signature: **[REDACTED]**  
Date: **15/1/2020** Time: **[REDACTED]**

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356080

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle  
weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356126

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1348107

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No [REDACTED]

Driver's Name .....

Gross vehicle  
weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste .....

If not full,

approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME .....

ADDRESS .....

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME .....

ADDRESS .....

ENVIRONMENTAL PERMIT/OTHER (if applicable) .....

WAITING TIME ON SITE/DAYWORK .....

ARRIVAL TIME .....

DEPARTURE TIME .....

ALLOWANCE/TT .....

HRS CHARGEABLE .....

Signed on behalf of Customer .....

PRINT NAME .....

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

**1348105****CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

|                                                                      |                                             |
|----------------------------------------------------------------------|---------------------------------------------|
| <input checked="" type="checkbox"/> Inert Soil and Stones EWC 170504 | Vehicle Reg N [REDACTED]                    |
| <input type="checkbox"/> Non-hazardous Soil and Stones EWC 170504    | Driver's Name [REDACTED]                    |
| <input type="checkbox"/> Mixed Construction Waste EWC 170904         | Gross vehicle weight permitted ..... tonnes |
| <input type="checkbox"/> Concrete EWC 170101                         | One full load carried loose in bulk         |
| <input type="checkbox"/> Tarmac EWC 170302                           | If not full, approx cu.m [REDACTED]         |
| <input type="checkbox"/> Other EWC .....                             |                                             |
| Description of Waste .....                                           |                                             |

**SECTION B. CURRENT HOLDER OF WASTE**

NAME .....  
ADDRESS .....

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited Registered Waste Carrier No CB/DU220563  
Barn Oast, Woodfalls, Gravelly Ways, Issued by ENVIRONMENT AGENCY  
Laddingford, Maidstone, Kent ME18 6DA SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME .....  
ADDRESS .....  
ENVIRONMENTAL PERMIT/OTHER (if applicable) .....

WAITING TIME ON SITE/DAYWORK .....  
ARRIVAL TIME ..... DEPARTURE TIME .....  
ALLOWANCE/TT ..... HRS CHARGEABLE .....

Signed on behalf of Customer .....  
PRINT NAME .....

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by [REDACTED] Sign [REDACTED] Customer  
Date [REDACTED] Date .....

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356079

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No [REDACTED]

Driver's Name [REDACTED]

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m 1 LOAD

**SECTION B. CURRENT HOLDER OF WASTE**

NAME BGN DEVELOPMENTS

ADDRESS OFF B2080 BURNETT

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME SRH

ADDRESS 20 NTHW

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME DEPARTURE TIME

ALLOWANCE/TT HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date 20/1/2020

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1348104

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No

Driver's Name

Gross vehicle  
weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full,

approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356081

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME BGN DEVELOPMENTS

ADDRESS OFF B2030 BRANZETT

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME SRH

ADDRESS 2 WYTHE

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on b

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356133

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle  
weight permitted

tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

**1356128****CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

If not full, approx cu.m

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**NAME **BGN DEVELOPMENTS**ADDRESS **OFF 52030 BRENZETT**

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**NAME **SRH**ADDRESS **2 HXTIK**

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1356080

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle  
weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn East, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

1348118

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☐ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No .....

Driver's Name .....

Gross vehicle  
weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste .....

If not full,  
approx cu.m .....**SECTION B. CURRENT HOLDER OF WASTE**

NAME .....

ADDRESS .....

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn East, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME .....

ADDRESS .....

ENVIRONMENTAL PERMIT/OTHER (if applicable) .....

WAITING TIME ON SITE/DAYWORK .....

ARRIVAL TIME .....

DEPARTURE TIME .....

ALLOWANCE/TT .....

HRS CHARGEABLE .....

Signed on behalf of Customer .....

PRINT NAME .....

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons  
signing this delivery ticket. The customer certifies that the above particulars are correct,  
waste is as described and non-hazardous, and accepts responsibility for vehicles  
entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver .....

Signed on behalf of the Customer .....

Date .....

Date .....

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1355713

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to stay on site.

Signed by Driver

Signed by Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1348119

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☐ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle  
weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME DEPARTURE TIME

ALLOWANCE/TT HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1348120

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☐ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC 13-10

Vehicle Reg No [REDACTED]

Driver's Name DAN

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m ONE LOAD

**SECTION B. CURRENT HOLDER OF WASTE**

NAME CON. DEVELOPMENT LTD

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME DEPARTURE TIME

ALLOWANCE/TT HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver [REDACTED] Sign [REDACTED] mer

Date Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

CLEAN 1351240

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted

tonnes

One full load carried loose in bulk

Description of Waste

If not full,

approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

By signing in Section D below I confirm that I have fulfilled my duty to apply the waste

hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No GB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

*Clean*

1356076

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted

tonnes

One full load carried loose in bulk

If not full,

approx cu.m

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

*Clean*

1356078

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

*CLON*

1348106

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No. XXXXXXXXXX

Driver's Name .....

Gross vehicle  
weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste .....

If not full,  
approx cu.m .....**SECTION B. CURRENT HOLDER OF WASTE**

NAME .....

ADDRESS .....

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME .....

ADDRESS .....

ENVIRONMENTAL PERMIT/OTHER (if applicable) .....

WAITING TIME ON SITE/DAYWORK .....

ARRIVAL TIME ..... DEPARTURE TIME .....

ALLOWANCE/TT ..... HRS CHARGEABLE .....

Signed on behalf of Customer .....

PRINT NAME .....

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date .....

Date .....

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

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**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted

tonnes

One full load carried loose in bulk

Description of Waste

If not full,

approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

*Clean*

1356130

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full,

approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date 21/11/2020 Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

*CLC***1356131****CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted

tonnes

One full load carried loose in bulk

If not full,

approx cu.m

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

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SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

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**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

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*Clear*

1356132

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

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SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

*Clean*

1356142

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC *43-10*

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DARegistered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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www.ardula.co.uk

*Clean*

1356141

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

If not full, approx cu.m

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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**SECTION C. PERSON COLLECTING WASTE**

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SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

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DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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Tel: 01622 873300 Fax: 01622 873311

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CLON

1356143

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

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Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

1355712

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No [REDACTED]

Driver's Name Star

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

If not full, approx cu.m 1 LOAD

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**NAME RON DEVELOPMENTADDRESS off B2070 BRENZETT

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited Registered Waste Carrier No CB/DU220563  
Barn Oast, Woodfalls, Gravelly Ways, Issued by ENVIRONMENT AGENCY  
Laddingford, Maidstone, Kent ME18 6DA SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**NAME SRHADDRESS 2) HX THE

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME DEPARTURE TIME

ALLOWANCE/TT HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver [REDACTED] Signed on behalf of the Customer

Date 16/3/20 Date**Customers ordering vehicles off the public roads do so entirely at their own risk**

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.

Tel: 01622 873300 Fax: 01622 873311

www.ardula.co.uk

C. W. O. N.

1355715

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No. [REDACTED]

Driver's Name STEVE

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m 1 LOAD

**SECTION B. CURRENT HOLDER OF WASTE**

NAME BGN DEVELOPMENTS

ADDRESS 111 BLOOMSBURY GARDENS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited Registered Waste Carrier No CB/DU220563  
Barn Oast, Woodfalls, Gravelly Ways, Issued by ENVIRONMENT AGENCY  
Laddingford, Maidstone, Kent ME18 6DA SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME SRH

ADDRESS 10 HYTHE

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME DEPARTURE TIME

ALLOWANCE/TT HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver [REDACTED] Signed on behalf of the Customer

Date 16.03.2010 Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

*Cum***1355717****CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle

weight permitted tonnes

One full load carried loose in bulk

If not full,

approx cu.m

Description of Waste

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,

Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563

Issued by ENVIRONMENT AGENCY

SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

*CCW*

1355718

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted tonnes

One full load carried loose in bulk

Description of Waste

If not full, approx cu.m

**SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

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SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

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DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

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Signed by Driver

Signed on behalf of the Customer

Date

Date

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**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

*CLM*

1355719

**CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC

Vehicle Reg No

Driver's Name

Gross vehicle weight permitted ..... tonnes

One full load carried loose in bulk

If not full, approx cu.m

Description of Waste

*SIC 43.10**1 LOAD***SECTION B. CURRENT HOLDER OF WASTE**

NAME

ADDRESS

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited

Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563  
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SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME

ADDRESS

ENVIRONMENTAL PERMIT/OTHER (if applicable)

WAITING TIME ON SITE/DAYWORK

ARRIVAL TIME

DEPARTURE TIME

ALLOWANCE/TT

HRS CHARGEABLE

Signed on behalf of Customer

PRINT NAME

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons signing this delivery ticket. The customer certifies that the above particulars are correct, waste is as described and non-hazardous, and accepts responsibility for vehicles entering, on, and leaving site while they are required to be off the public highway.

Signed by

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

**Ardula Ltd**

Barn Oast, Woodfalls, Gravelly Ways, Laddingford, Maidstone, Kent ME18 6DA.  
Tel: 01622 873300 Fax: 01622 873311  
www.ardula.co.uk

*C. Cox***1351948****CONTROLLED WASTE TRANSFER NOTE****SECTION A. DESCRIPTION OF WASTE MATERIALS**

(tick as appropriate)

- ☒ Inert Soil and Stones EWC 170504  
☐ Non-hazardous Soil and Stones EWC 170504  
☐ Mixed Construction Waste EWC 170904  
☐ Concrete EWC 170101  
☐ Tarmac EWC 170302  
☐ Other EWC .....

Vehicle Reg No ...

Driver's Name .....

Gross vehicle  
weight permitted ..... tonnes

One full load carried loose in bulk

Description of Waste

If not full,  
approx cu.m**SECTION B. CURRENT HOLDER OF WASTE**

NAME .....

ADDRESS .....

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

**SECTION C. PERSON COLLECTING WASTE**

Ardula Limited  
Barn Oast, Woodfalls, Gravelly Ways,  
Laddingford, Maidstone, Kent ME18 6DA

Registered Waste Carrier No CB/DU220563  
Issued by ENVIRONMENT AGENCY  
SIC No 38210

**SECTION D. AUTHORISED DISPOSAL/RECOVERY FACILITY/DAYWORK**

NAME .....

ADDRESS .....

ENVIRONMENTAL PERMIT/OTHER (if applicable) .....

WAITING TIME ON SITE/DAYWORK .....

ARRIVAL TIME .....

DEPARTURE TIME .....

ALLOWANCE/TT .....

HRS CHARGEABLE .....

Signed on behalf of Customer .....

PRINT NAME .....

N.B. to Customers, Authorised Agents, Representatives, or Responsible Persons  
signing this delivery ticket. The customer certifies that the above particulars are correct,  
waste is as described and non-hazardous, and accepts responsibility for vehicles  
entering, on, and leaving site while they are required to be off the public highway.

Signed by Driver

Signed on behalf of the Customer

Date

Date

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

White copy - Office / Green copy - Invoice / Pink copy - Landfill / Yellow copy - Site

# Appendix E

Laboratory Analysis Results



Damian Jones  
Sevenoaks Environmental Consultancy Ltd  
145a Hastings Road  
Pembury  
Tunbridge Wells  
Kent  
TN2 4JU

**DETS Ltd**  
Unit 1  
Rose Lane Industrial Estate  
Rose Lane  
Lenham Heath  
Kent  
ME17 2JN  
t: 01622 850410

## **DETS Report No: 20-00438**

**Site Reference:** Val Crush Import

**Project / Job Ref:** 3479

**Order No:** None Supplied

**Sample Receipt Date:** 16/01/2020

**Sample Scheduled Date:** 16/01/2020

**Report Issue Number:** 1

**Reporting Date:** 22/01/2020

**Authorised by:**



Dave Ashworth  
Technical Manager

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**Unit 1, Rose Lane Industrial Estate**  
**Rose Lane**  
**Lenham Heath**  
**Maidstone**  
**Kent ME17 2JN**  
**Tel : 01622 850410**



| Soil Analysis Certificate                      |                        |                  |  |  |  |  |
|------------------------------------------------|------------------------|------------------|--|--|--|--|
| <b>DETS Report No: 20-00438</b>                | <b>Date Sampled</b>    | 13/01/20         |  |  |  |  |
| <b>Sevenoaks Environmental Consultancy Ltd</b> | <b>Time Sampled</b>    | None Supplied    |  |  |  |  |
| <b>Site Reference: Val Crush Import</b>        | <b>TP / BH No</b>      | Val Crush Import |  |  |  |  |
| <b>Project / Job Ref: 3479</b>                 | <b>Additional Refs</b> | None Supplied    |  |  |  |  |
| <b>Order No: None Supplied</b>                 | <b>Depth (m)</b>       | None Supplied    |  |  |  |  |
| <b>Reporting Date: 22/01/2020</b>              | <b>DETS Sample No</b>  | 456652           |  |  |  |  |

| Determinand                       | Unit     | RL     | Accreditation | (n)          |  |  |  |  |
|-----------------------------------|----------|--------|---------------|--------------|--|--|--|--|
| Asbestos Screen <sup>(S)</sup>    | N/a      | N/a    | ISO17025      | Not Detected |  |  |  |  |
| pH                                | pH Units | N/a    | MCERTS        | 11.6         |  |  |  |  |
| Total Cyanide                     | mg/kg    | < 2    | NONE          | < 2          |  |  |  |  |
| Free Cyanide                      | mg/kg    | < 2    | NONE          | < 2          |  |  |  |  |
| Thiocyanate as SCN                | mg/kg    | < 3    | NONE          | < 3          |  |  |  |  |
| Total Sulphate as SO <sub>4</sub> | mg/kg    | < 200  | NONE          | 2044         |  |  |  |  |
| Total Sulphate as SO <sub>4</sub> | %        | < 0.02 | NONE          | 0.20         |  |  |  |  |
| Sulphide                          | mg/kg    | < 5    | NONE          | < 5          |  |  |  |  |
| Organic Matter                    | %        | < 0.1  | MCERTS        | < 0.1        |  |  |  |  |
| Total Organic Carbon (TOC)        | %        | < 0.1  | MCERTS        | < 0.1        |  |  |  |  |
| Antimony (Sb)                     | mg/kg    | < 1    | NONE          | < 1          |  |  |  |  |
| Arsenic (As)                      | mg/kg    | < 2    | MCERTS        | < 2          |  |  |  |  |
| Barium (Ba)                       | mg/kg    | < 5    | NONE          | 12           |  |  |  |  |
| W/S Boron                         | mg/kg    | < 1    | NONE          | < 1          |  |  |  |  |
| Cadmium (Cd)                      | mg/kg    | < 0.2  | MCERTS        | < 0.2        |  |  |  |  |
| Chromium (Cr)                     | mg/kg    | < 2    | MCERTS        | 9            |  |  |  |  |
| Chromium (hexavalent)             | mg/kg    | < 2    | NONE          | < 2          |  |  |  |  |
| Copper (Cu)                       | mg/kg    | < 4    | MCERTS        | < 4          |  |  |  |  |
| Lead (Pb)                         | mg/kg    | < 3    | MCERTS        | < 3          |  |  |  |  |
| Mercury (Hg)                      | mg/kg    | < 1    | NONE          | < 1          |  |  |  |  |
| Nickel (Ni)                       | mg/kg    | < 3    | MCERTS        | 4            |  |  |  |  |
| Selenium (Se)                     | mg/kg    | < 3    | NONE          | < 3          |  |  |  |  |
| Zinc (Zn)                         | mg/kg    | < 3    | MCERTS        | 4            |  |  |  |  |
| Total Phenols (monohydric)        | mg/kg    | < 2    | NONE          | < 2          |  |  |  |  |

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C

Subcontracted analysis (S)

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation



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**Lenham Heath**  
**Maidstone**  
**Kent ME17 2JN**  
**Tel : 01622 850410**



| Soil Analysis Certificate - Speciated PAHs |                 |                  |  |  |  |  |
|--------------------------------------------|-----------------|------------------|--|--|--|--|
| DETS Report No: 20-00438                   | Date Sampled    | 13/01/20         |  |  |  |  |
| Sevenoaks Environmental Consultancy Ltd    | Time Sampled    | None Supplied    |  |  |  |  |
| Site Reference: Val Crush Import           | TP / BH No      | Val Crush Import |  |  |  |  |
| Project / Job Ref: 3479                    | Additional Refs | None Supplied    |  |  |  |  |
| Order No: None Supplied                    | Depth (m)       | None Supplied    |  |  |  |  |
| Reporting Date: 22/01/2020                 | DETS Sample No  | 456652           |  |  |  |  |

| Determinand            | Unit  | RL    | Accreditation | (n)   |  |  |  |  |
|------------------------|-------|-------|---------------|-------|--|--|--|--|
| Naphthalene            | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Acenaphthylene         | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Acenaphthene           | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Fluorene               | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Phenanthrene           | mg/kg | < 0.1 | MCERTS        | 0.22  |  |  |  |  |
| Anthracene             | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Fluoranthene           | mg/kg | < 0.1 | MCERTS        | 0.62  |  |  |  |  |
| Pyrene                 | mg/kg | < 0.1 | MCERTS        | 0.45  |  |  |  |  |
| Benzo(a)anthracene     | mg/kg | < 0.1 | MCERTS        | 0.13  |  |  |  |  |
| Chrysene               | mg/kg | < 0.1 | MCERTS        | 0.31  |  |  |  |  |
| Benzo(b)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 0.35  |  |  |  |  |
| Benzo(k)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 0.10  |  |  |  |  |
| Benzo(a)pyrene         | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Indeno(1,2,3-cd)pyrene | mg/kg | < 0.1 | MCERTS        | 0.11  |  |  |  |  |
| Dibenz(a,h)anthracene  | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Benzo(ghi)perylene     | mg/kg | < 0.1 | MCERTS        | < 0.1 |  |  |  |  |
| Total EPA-16 PAHs      | mg/kg | < 1.6 | MCERTS        | 2.3   |  |  |  |  |

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C

(n) Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation



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**Tel : 01622 850410**



| Soil Analysis Certificate - EPH Texas Banded   |                        |                  |  |  |  |  |
|------------------------------------------------|------------------------|------------------|--|--|--|--|
| <b>DETS Report No: 20-00438</b>                | <b>Date Sampled</b>    | 13/01/20         |  |  |  |  |
| <b>Sevenoaks Environmental Consultancy Ltd</b> | <b>Time Sampled</b>    | None Supplied    |  |  |  |  |
| <b>Site Reference: Val Crush Import</b>        | <b>TP / BH No</b>      | Val Crush Import |  |  |  |  |
| <b>Project / Job Ref: 3479</b>                 | <b>Additional Refs</b> | None Supplied    |  |  |  |  |
| <b>Order No: None Supplied</b>                 | <b>Depth (m)</b>       | None Supplied    |  |  |  |  |
| <b>Reporting Date: 22/01/2020</b>              | <b>DETS Sample No</b>  | 456652           |  |  |  |  |

| Determinand            | Unit  | RL     | Accreditation | (n)    |  |  |  |  |
|------------------------|-------|--------|---------------|--------|--|--|--|--|
| EPH Texas (C6 - C8)    | mg/kg | < 0.05 | NONE          | < 0.05 |  |  |  |  |
| EPH Texas (>C8 - C10)  | mg/kg | < 1    | MCERTS        | < 1    |  |  |  |  |
| EPH Texas (>C10 - C12) | mg/kg | < 1    | MCERTS        | 3      |  |  |  |  |
| EPH Texas (>C12 - C16) | mg/kg | < 1    | MCERTS        | 3      |  |  |  |  |
| EPH Texas (>C16 - C21) | mg/kg | < 1    | MCERTS        | 31     |  |  |  |  |
| EPH Texas (>C21 - C40) | mg/kg | < 6    | MCERTS        | 235    |  |  |  |  |
| EPH Texas (C6 - C40)   | mg/kg | < 6    | NONE          | 272    |  |  |  |  |

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C

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#### Soil Analysis Certificate - Sample Descriptions

|                                         |  |
|-----------------------------------------|--|
| DETS Report No: 20-00438                |  |
| Sevenoaks Environmental Consultancy Ltd |  |
| Site Reference: Val Crush Import        |  |
| Project / Job Ref: 3479                 |  |
| Order No: None Supplied                 |  |
| Reporting Date: 22/01/2020              |  |

| DETS Sample No | TP / BH No       | Additional Refs | Depth (m)     | Moisture Content (%) | Sample Matrix Description |
|----------------|------------------|-----------------|---------------|----------------------|---------------------------|
| 456652         | Val Crush Import | None Supplied   | None Supplied | 0.8                  | Brown concrete            |

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

Insufficient Sample <sup>1/5</sup>

Unsuitable Sample <sup>u/5</sup>



**DETS Ltd**  
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**Lenham Heath**  
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**Kent ME17 2JN**  
**Tel : 01622 850410**



# **Soil Analysis Certificate - Methodology & Miscellaneous Information**

**DETS Report No: 20-00438**

**Sevenoaks Environmental Consultancy Ltd**

**Site Reference: Val Crush Import**

**Project / Job Ref: 3479**

**Order No: None Supplied**

**Reporting Date: 22/01/2020**

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

**D Dried**  
**AR As Received**



Damian Jones  
Sevenoaks Environmental Consultancy Ltd  
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Kent  
TN2 4JU

**DETS Ltd**  
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ME17 2JN  
t: 01622 850410

## **DETS Report No: 20-00393**

**Site Reference:** None Supplied

**Project / Job Ref:** 3479

**Order No:** None Supplied

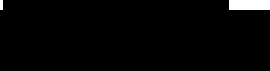
**Sample Receipt Date:** 15/01/2020

**Sample Scheduled Date:** 15/01/2020

**Report Issue Number:** 1

**Reporting Date:** 21/01/2020

**Authorised by:**



Dave Ashworth  
Technical Manager

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Kent ME17 2JN  
Tel : 01622 850410



| Soil Analysis Certificate               |                 |               |               |               |  |  |
|-----------------------------------------|-----------------|---------------|---------------|---------------|--|--|
| DETS Report No: 20-00393                | Date Sampled    | 13/01/20      | 13/01/20      | 13/01/20      |  |  |
| Sevenoaks Environmental Consultancy Ltd | Time Sampled    | None Supplied | None Supplied | None Supplied |  |  |
| Site Reference: None Supplied           | TP / BH No      | VAL 1         | VAL 2         | VAL 3         |  |  |
| Project / Job Ref: 3479                 | Additional Refs | None Supplied | None Supplied | None Supplied |  |  |
| Order No: None Supplied                 | Depth (m)       | 0.05          | 0.05          | 0.05          |  |  |
| Reporting Date: 21/01/2020              | DETS Sample No  | 456436        | 456437        | 456438        |  |  |

| Determinand                    | Unit | RL  | Accreditation |              |              |              |
|--------------------------------|------|-----|---------------|--------------|--------------|--------------|
| Asbestos Screen <sup>(S)</sup> | N/a  | N/a | ISO17025      | Not Detected | Not Detected | Not Detected |

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C  
Subcontracted analysis (S)



DETS Ltd  
Unit 1, Rose Lane Industrial Estate  
Rose Lane  
Lenham Heath  
Maidstone  
Kent ME17 2JN  
Tel : 01622 850410



| Bulk Analysis Certificate               |                 |               |  |  |  |  |
|-----------------------------------------|-----------------|---------------|--|--|--|--|
| DETS Report No: 20-00393                | Date Sampled    | 13/01/20      |  |  |  |  |
| Sevenoaks Environmental Consultancy Ltd | Time Sampled    | None Supplied |  |  |  |  |
| Site Reference: None Supplied           | TP / BH No      | VAL 4         |  |  |  |  |
| Project / Job Ref: 3479                 | Additional Refs | None Supplied |  |  |  |  |
| Order No: None Supplied                 | Depth (m)       | 0.05          |  |  |  |  |
| Reporting Date: 21/01/2020              | DETS Sample No  | 456439        |  |  |  |  |

| Determinand                  | Unit          | RL  | Accreditation |            |  |  |  |
|------------------------------|---------------|-----|---------------|------------|--|--|--|
| Asbestos Type <sup>(5)</sup> | PLM Result    | N/a | ISO17025      | Chrysotile |  |  |  |
| Sample Matrix <sup>(5)</sup> | Material Type | N/a | NONE          | Cement     |  |  |  |

The samples have been examined to identify the presence of asbestiform minerals by polarising light microscopy and dispersion staining technique to In-House Procedures QTSE600 Determination of Asbestos in Bulk Materials; Asbestos in Soils/Sediments (fibre screening and identification) that is in accordance with the Health and Safety Executive HSG 248 Appendix 2.

This report refers to samples as received, and QTS Environmental Ltd, takes no responsibility for the accuracy or competence of sampling by others.

The material description shall be regarded as tentative and is not included in our scope of UKAS Accreditation.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

RL: Reporting Limit

Subcontracted analysis <sup>(5)</sup>



**DETS Ltd**  
**Unit 1, Rose Lane Industrial Estate**  
**Rose Lane**  
**Lenham Heath**  
**Maidstone**  
**Kent ME17 2JN**  
**Tel : 01622 850410**

**Soil Analysis Certificate - Methodology & Miscellaneous Information**

**DETS Report No: 20-00393**

**Sevenoaks Environmental Consultancy Ltd**

**Site Reference: None Supplied**

**Project / Job Ref: 3479**

**Order No: None Supplied**

**Reporting Date: 21/01/2020**

| Matrix | Analysed On | Determinand                                                                                                                                     | Brief Method Description                                                                                                                             | Method No |
|--------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Soil   | D           | Boron - Water Soluble                                                                                                                           | Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES                                                            | E012      |
| Soil   | AR          | BTEX                                                                                                                                            | Determination of BTEX by headspace GC-MS                                                                                                             | E001      |
| Soil   | D           | Cations                                                                                                                                         | Determination of cations in soil by aqua-regia digestion followed by ICP-OES                                                                         | E002      |
| Soil   | D           | Chloride - Water Soluble (2:1)                                                                                                                  | Determination of chloride by extraction with water & analysed by ion chromatography                                                                  | E009      |
| Soil   | AR          | Chromium - Hexavalent                                                                                                                           | Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry | E016      |
| Soil   | AR          | Cyanide - Complex                                                                                                                               | Determination of complex cyanide by distillation followed by colorimetry                                                                             | E015      |
| Soil   | AR          | Cyanide - Free                                                                                                                                  | Determination of free cyanide by distillation followed by colorimetry                                                                                | E015      |
| Soil   | AR          | Cyanide - Total                                                                                                                                 | Determination of total cyanide by distillation followed by colorimetry                                                                               | E015      |
| Soil   | D           | Cyclohexane Extractable Matter (CEM)                                                                                                            | Gravimetrically determined through extraction with cyclohexane                                                                                       | E011      |
| Soil   | AR          | Diesel Range Organics (C10 - C24)                                                                                                               | Determination of hexane/acetone extractable hydrocarbons by GC-FID                                                                                   | E004      |
| Soil   | AR          | Electrical Conductivity                                                                                                                         | Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement                             | E022      |
| Soil   | AR          | Electrical Conductivity                                                                                                                         | Determination of electrical conductivity by addition of water followed by electrometric measurement                                                  | E023      |
| Soil   | D           | Elemental Sulphur                                                                                                                               | Determination of elemental sulphur by solvent extraction followed by GC-MS                                                                           | E020      |
| Soil   | AR          | EPH (C10 - C40)                                                                                                                                 | Determination of acetone/hexane extractable hydrocarbons by GC-FID                                                                                   | E004      |
| Soil   | AR          | EPH Product ID                                                                                                                                  | Determination of acetone/hexane extractable hydrocarbons by GC-FID                                                                                   | E004      |
| Soil   | AR          | EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)                                                                                   | Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS                                        | E004      |
| Soil   | D           | Fluoride - Water Soluble                                                                                                                        | Determination of Fluoride by extraction with water & analysed by ion chromatography                                                                  | E009      |
| Soil   | D           | FOC (Fraction Organic Carbon)                                                                                                                   | Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate                     | E010      |
| Soil   | D           | Loss on Ignition @ 450°C                                                                                                                        | Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace                                       | E019      |
| Soil   | D           | Magnesium - Water Soluble                                                                                                                       | Determination of water soluble magnesium by extraction with water followed by ICP-OES                                                                | E025      |
| Soil   | D           | Metals                                                                                                                                          | Determination of metals by aqua-regia digestion followed by ICP-OES                                                                                  | E002      |
| Soil   | AR          | Mineral Oil (C10 - C40)                                                                                                                         | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge                                                  | E004      |
| Soil   | AR          | Moisture Content                                                                                                                                | Moisture content; determined gravimetrically                                                                                                         | E003      |
| Soil   | D           | Nitrate - Water Soluble (2:1)                                                                                                                   | Determination of nitrate by extraction with water & analysed by ion chromatography                                                                   | E009      |
| Soil   | D           | Organic Matter                                                                                                                                  | Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate                                 | E010      |
| Soil   | AR          | PAH - Speciated (EPA 16)                                                                                                                        | Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards                | E005      |
| Soil   | AR          | PCB - 7 Congeners                                                                                                                               | Determination of PCB by extraction with acetone and hexane followed by GC-MS                                                                         | E008      |
| Soil   | D           | Petroleum Ether Extract (PEE)                                                                                                                   | Gravimetrically determined through extraction with petroleum ether                                                                                   | E011      |
| Soil   | AR          | pH                                                                                                                                              | Determination of pH by addition of water followed by electrometric measurement                                                                       | E007      |
| Soil   | AR          | Phenols - Total (monohydric)                                                                                                                    | Determination of phenols by distillation followed by colorimetry                                                                                     | E021      |
| Soil   | D           | Phosphate - Water Soluble (2:1)                                                                                                                 | Determination of phosphate by extraction with water & analysed by ion chromatography                                                                 | E009      |
| Soil   | D           | Sulphate (as SO <sub>4</sub> ) - Total                                                                                                          | Determination of total sulphate by extraction with 10% HCl followed by ICP-OES                                                                       | E013      |
| Soil   | D           | Sulphate (as SO <sub>4</sub> ) - Water Soluble (2:1)                                                                                            | Determination of sulphate by extraction with water & analysed by ion chromatography                                                                  | E009      |
| Soil   | D           | Sulphate (as SO <sub>4</sub> ) - Water Soluble (2:1)                                                                                            | Determination of water soluble sulphate by extraction with water followed by ICP-OES                                                                 | E014      |
| Soil   | AR          | Sulphide                                                                                                                                        | Determination of sulphide by distillation followed by colorimetry                                                                                    | E018      |
| Soil   | D           | Sulphur - Total                                                                                                                                 | Determination of total sulphur by extraction with aqua-regia followed by ICP-OES                                                                     | E024      |
| Soil   | AR          | SVOC                                                                                                                                            | Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS                                               | E006      |
| Soil   | AR          | Thiocyanate (as SCN)                                                                                                                            | Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry  | E017      |
| Soil   | D           | Toluene Extractable Matter (TEM)                                                                                                                | Gravimetrically determined through extraction with toluene                                                                                           | E011      |
| Soil   | D           | Total Organic Carbon (TOC)                                                                                                                      | Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate                                 | E010      |
| Soil   | AR          | TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)         | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS       | E004      |
| Soil   | AR          | TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44) | Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS       | E004      |
| Soil   | AR          | VOCs                                                                                                                                            | Determination of volatile organic compounds by headspace GC-MS                                                                                       | E001      |
| Soil   | AR          | VPH (C6-C8 & C8-C10)                                                                                                                            | Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID                                                                            | E001      |

**D Dried**  
**AR As Received**

## Appendix F

### Correspondence

## **Brendan Davis**

---

**From:** [REDACTED]  
**Sent:** 18 September 2020 15:09  
**To:** b.davis@sevenoaksenvironmental.co.uk  
**Subject:** muck tickets

Hi Brendan

As discussed I enclose tickets, also below is an email from Ardula confirming acknowledgement of the soil reports you formulated using your references,

Morning Mervyn,

Thanks very much, for the supply order, for Brenzett. The earliest that I can commence with Lorry commitments, will be Thursday January 16<sup>th</sup>, as I am heavily committed for Wednesday. In terms of Crushed supply, I can source Recycled Type 1 from the suppliers we used last Week in Ashford, but they currently have no larger products.

With regards to the disposal of Soils, I will need written methodology from you, confirming that the soils will only come from sample location HP02, as the WAC qualifies it as Inert. The other WAC samples for TP01 (N) show raised Antimony, with WS06 highlighting raised Flouride, which the Tip at Hythe will not accept. They will require confirmation, that no cross-contamination of the sample areas has occurred, to gain acceptance for tipping HP02.

Please let me know, if I can further assist, am in the Office for the remainder of the Day,

Kind regards,

**Phil Brasier**

## Appendix G

### Ground Gas Membrane Installation Validation Report



# GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101108

REPORT NUMBER:

001

REPORT DATE:

3rd April 2020

PROJECT:

Brandett House

PROJECT ADDRESS:

B2080

Brenzett

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Monarflex Super

SAGR



# GEOSHIELD

## Verification Report



MEMBRANE SPECIFICATION:

DESIGN DETAILS:



# GEOSHIELD Verification Report



VERIFICATION OFFICER: Ross Edwards

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07393626664

EMAIL ADDRESS: Redwards@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:

☐

NO:

☐

PROJECT: YES:



NO:

☐



# GEOSHIELD

## Verification Report



### CLIENT DETAILS

CLIENT CONTACT: Andy Collins

CONTACTS ROLE: Director

MOBILE PHONE: 01233 740844

EMAIL ADDRESS:

---

CLIENT CONTACT:

CONTACTS ROLE:

MOBILE PHONE:

EMAIL ADDRESS

NOTES:

NOTES:

NOTES:



# GEOSHIELD Verification Report



## APPLICATION TEAM LEADERS

APPLICATOR NAME: Harry Stevens

COMPANY: Prestige Air

APPLICATOR TEL: 01233 740844

APPLICATOR EMAIL:

---

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES:

NOTES:

NOTES:

NOTES:



# GEOSHIELD Verification Report



AREA SURVEYED: Plots 4,5,6

SITE CONDITIONS:

# WEATHER: Sunny

# TEMPERATURE: 15c

# MEMBRANE TEMPERATURE:

# RELATIVE HUMIDITY:

TIME: 10:30 - 11:30

REPORT NUMBER: 001

DATE: 3rd April 2020

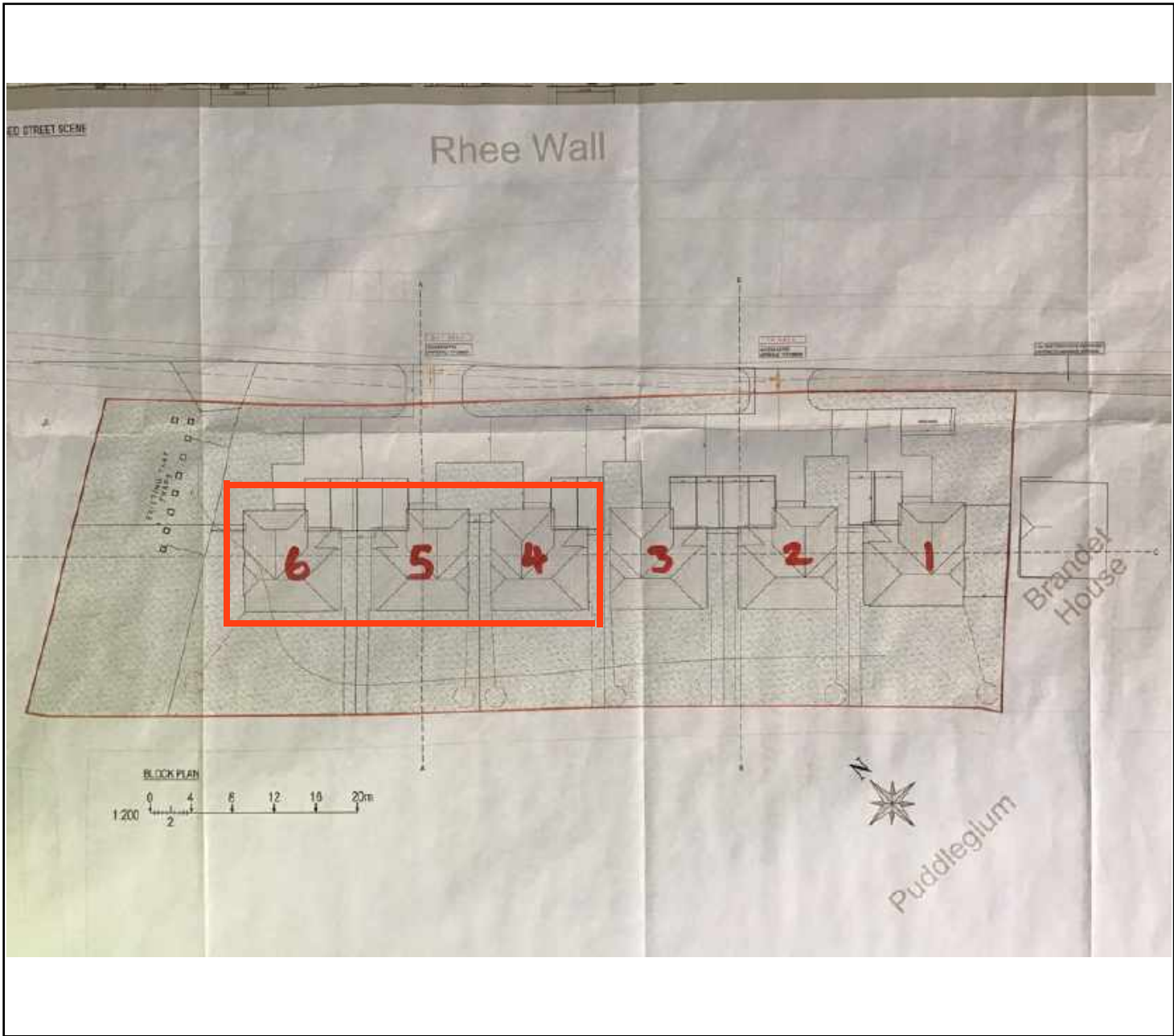
ACCOMPANIED Harry Stevens



# GEOSHIELD Verification Report



## VERIFICATION LAYOUT



Area Inspected Highlighted Above is where verification took place for Plots

4,5,6.

# GEOSHIELD Verification Report

## OVERVIEW PHOTOGRAPHS



Overview photo looking onto plot 5, all covered in Monarflex super

Membrane.

# GEOSHIELD Verification Report

## OVERVIEW PHOTOGRAPHS



Overview photo looking over plots 4,5,6.

# GEOSHIELD Verification Report

BGA



## VERIFICATION ITEM ONE

LOCATION/GRID LINE: Plots 4,5,6

NOTES: Welded lap detail.

Picture one: is an overview photo looking down the hand welded lap joint detail, this has been sealed using the leister gun and an consistent 40mm weld joint has been achieved.

All sealed to manufactures specification.



Picture two: is showing that pick probe testing was carried out to the welded lap detail,

air lance testing could not be carried out due to access to the plots.

# GEOSHIELD Verification Report

## VERIFICATION ITEM ONE



The above photo is demonstrating where pick probe testing was carried out to the lap edge details, no faults were found on these joints.



# GEOSHIELD Verification Report



## VERIFICATION ITEM TWO

LOCATION/GRID LINE: Plots 4,5,6

NOTES: Pipe penetrations.

Picture one: is showing multiple pipe penetration details in one small area, the installer has made sure that tape has been applied to complete a gas tight seal.



Picture two: is showing a water pipe penetration detail coming through the membrane, the installers have sealed this by applying SAGR tape all around and heating down, pick probe test was carried out.

# GEOSHIELD Verification Report

## VERIFICATION ITEM TWO



The above photo is an overview photo of a completed pipe penetration detail.

All areas have been sealed to manufactures specification.

# GEOSHIELD Verification Report

BGA



## VERIFICATION ITEM THREE

LOCATION/GRID LINE: Plots 4,5,6

NOTES: Corner details.

Picture one: is showing a completed internal corner, the installer has made sure that the tape has been tightly fitted meaning no voids have been created.



Picture two: is showing that pick probe testing was carried out to the internal corner, no faults were found and all areas had been heated down.

# GEOSHIELD Verification Report

## VERIFICATION ITEM THREE



The above photo is showing two internal corner details, all areas

Sealed to manufactures specification and tested to CIRIA 735.

# GEOSHIELD Verification Report

## ADDITIONAL PHOTOGRAPHS



Another completed pipe penetration



Telescopic air vents

in place.



Patch work carried out prior

to inspection.



Air brick in place.







# GEOSHIELD Verification Report



## VERIFICATION SUMMARY

This was the first visit to site, met with prestige Air installers who were just finishing off installing.

Visual pick probe test was carried out to all welded lap joints and tape details, where no faults were detected.

All areas have been completed to manufactures specification.

Gas membrane to specification BS8485 2015

Installed to CIRIA 735



# GEOSHIELD Verification Report



PROJECT REFERENCE:

GEO101108

REPORT NUMBER:

002

REPORT DATE:

12/06/2020

PROJECT:

Brandett House

PROJECT ADDRESS:

B2080

Brenzett

MEMBRANE SPECIFICATION:

Gas membrane to specification BS8485 2015

Installed to CIRIA 735

Monarflex Super

SAGR



# GEOSHIELD Verification Report



VERIFICATION OFFICER: Jake Purdie - Clark

VERIFICATION COMPANY: GeoShield Limited

Icon Business Park, 4100 Park Approach

Thorpe Park, LEEDS

West Yorkshire

LS15 8GB

CONTACT NUMBER: 07393712648

EMAIL ADDRESS: Jpurdie@geoshield.co.uk

ORDER NUMBER:

PER VISIT: YES:

☐

NO:

☐

PROJECT: YES:



NO:

☐



# GEOSHIELD

## Verification Report



### CLIENT DETAILS

|                 |              |
|-----------------|--------------|
| CLIENT CONTACT: | Andy Collins |
| CONTACTS ROLE:  | Director     |
| MOBILE PHONE:   | 01233 740844 |
| EMAIL ADDRESS:  |              |



|                 |  |
|-----------------|--|
| CLIENT CONTACT: |  |
| CONTACTS ROLE:  |  |
| MOBILE PHONE:   |  |
| EMAIL ADDRESS   |  |
| NOTES:          |  |
| NOTES:          |  |
| NOTES:          |  |



# GEOSHIELD Verification Report



## APPLICATION TEAM LEADERS

APPLICATOR NAME: Harry Stevens

COMPANY: Prestige Air

APPLICATOR TEL: 01233 740844

APPLICATOR EMAIL:

---

APPLICATOR NAME:

COMPANY:

APPLICATOR TEL:

APPLICATOR EMAIL:

NOTES: Prestige air installers are trained and competent installers.

NOTES: Prestige air specialise in the installation of ground gas membranes.

NOTES:

NOTES:



# GEOSHIELD Verification Report



AREA SURVEYED: Installation to plots; 1, 2 + 3.

## SITE CONDITIONS:

# WEATHER: Sunny

# TEMPERATURE: 15c

# MEMBRANE TEMPERATURE:

# RELATIVE HUMIDITY:

TIME: 1:30 - 2:45

REPORT NUMBER: 002

DATE: 12/06/2020

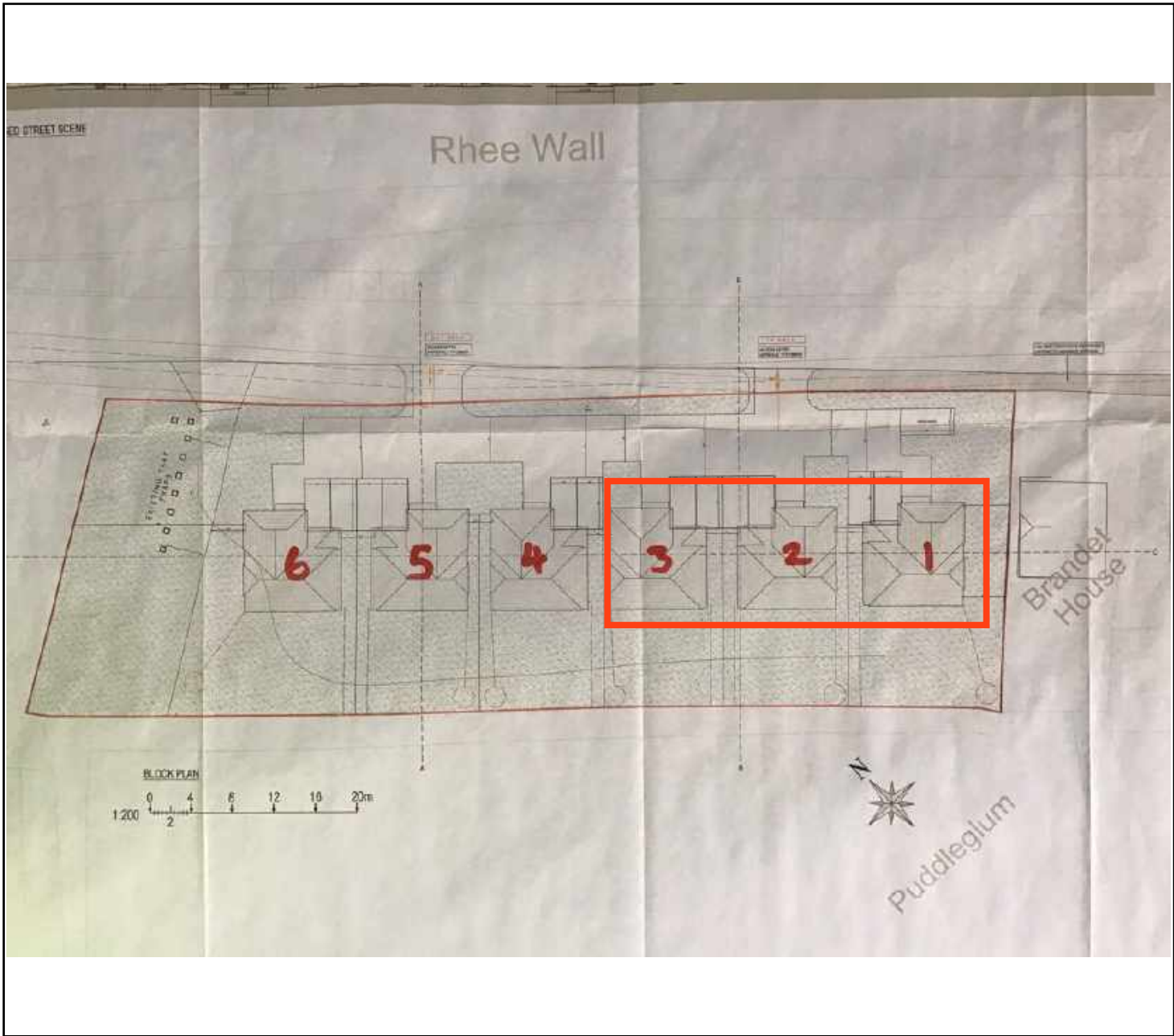
ACCOMPANIED Harry Stevens



# GEOSHIELD Verification Report



## VERIFICATION LAYOUT



Area Inspected Highlighted Above is where verification took place during this visit.

Installation to Plots; 1, 2 + 3.

# GEOSHIELD Verification Report

## OVERVIEW PHOTOGRAPHS



Overview photo looking from plot 1 up to plot 3.

# GEOSHIELD Verification Report

## OVERVIEW PHOTOGRAPHS



Overview photo looking specifically at plot 2.



# GEOSHIELD Verification Report



## VERIFICATION ITEM ONE

LOCATION/GRID LINE: Plots 1, 2 + 3.

NOTES: Installation of Monarflex Super membrane.

The two photos below show examples of the installation completed using Monarflex

Super membrane. The installers have installed the membrane to a block and beam floor,

and welded all joints and laps in the membrane using a hot air leister.



The annotations on the photos above show where the lap joints reside, and where both

pick and probe, and also non-destructive air lance integrity testing was carried out.

# GEOSHIELD Verification Report

## VERIFICATION ITEM ONE



This photograph above demonstrates a fault identified in a welded lap joint in the

Monarflex Super membrane. As well as a pick and probe test, an air lance integrity

test was also carried out to the welded lap joints. The fault shown above was highlighted

to the installers, and then patched and repaired using gas resistant self adhesive tape.



# GEOSHIELD Verification Report



## VERIFICATION ITEM TWO

LOCATION/GRID LINE: Plots 1, 2 + 3.

NOTES: Sealed details.

The two photos below show examples of the details within plots 1, 2 + 3 that have been sealed to manufacturers specification, using gas resistant self adhesive membrane.

The first photo below shows a cluster of pipe penetrations.



The installers have applied 150mm patches of the gas resistant self adhesive membrane to the pipe penetrations, and then completed the seal between pipes and membrane, forming a top hat out of the gas resistant self adhesive membrane.

The next photo above shows a corner detail also sealed to manufacturers specification.

No holes or gaps present in the sealing of details.

# GEOSHIELD Verification Report

## VERIFICATION ITEM TWO



The photograph above demonstrates a pick and probe test being carried out to a

sealed corner detail. The installers have used the hot air leister to heat the bitumen

back of the gas resistant self adhesive membrane, aiding with adherence of the tape.

They have then applied pressure to the membrane with a roller, creating a seal.

# GEOSHIELD Verification Report



## VERIFICATION ITEM THREE

LOCATION/GRID LINE: Plots 1, 2 + 3.

NOTES: Subfloor base.

The two photos below show examples of the subfloor base the installers have installed the Monarflex Super membrane too. A Block and beam floor is present, with minimal gaps or holes in the floor, due to a cementitious slurry being applied.



The block and beam floor has been swept clean of any debris or stones likely to cause damage to the membrane when installed on top of it.

The floor has been prepared in conjunction with BS8485:2015, and the membrane has been installed to manufacturers specification.

# GEOSHIELD Verification Report

## ADDITIONAL PHOTOGRAPHS



Air lance test finding a defect in the  
welded joint.



Installer using a hot air leister to  
seal a corner detail.



Pick and probe test to a welded lap  
joint in the membrane.



Pick and probe test to a sealed  
pipe penetration.

## AIR LANCE INTEGRITY TESTING

**AIR LANCE TEST: ASTM D4437-08:2013** Inspects all seams for unbonded areas using a 4.8mm air nozzle held not more than 51mm away from the seam. 50 Psi is the minimum requirement.

The air nozzle is directed on the upper edge seam, ripples indicate a unbonded seam. Each seam is numbered and failure marked with a F/1 F/2 classification and a description given



Air lance test carried out to a welded joint.



Air lance testing to a welded joint.



Air lance testing to a welded lap joint.



Air lance test to gas resistant self adhesive.



## INTEGRITY TESTING RECORD

### AIR LANCE INTEGRITY TESTING (cont)

Detail of the Gas Membrane Monarflex Super Gas membrane.

Detail of Tapes Gas Resistant Self Adhesive tape.

Joints and lap design Welded using hot air leister.

| TEST NUMBER: | FAILED OR PASSED | DETAIL, COMMENT AND RECOMMENDATIONS        |
|--------------|------------------|--------------------------------------------|
| Line 1       | Passed           | Consistent 40mm weld throughout the joint. |
| Line 2       | Passed           | Consistent 40mm weld throughout the joint. |
| Line 3       | Passed           | Consistent 40mm weld throughout the joint. |
| Line 4       | Passed           | Consistent 40mm weld throughout the joint. |
| Line 5       | Passed           | Consistent 40mm weld throughout the joint. |
|              |                  |                                            |
|              |                  |                                            |
|              |                  |                                            |

### NOTES:

Application of Membrane to specification and conforming to manufacturing technical data.





## GAS MEMBRANE TESTING

VISUAL: ☐ YES ☒ NO ☐ SMOKE TEST: ☐ YES ☐ NO ☒

COMPRESSED AIR: ☐ YES ☒ NO ☐ DILECTIC ☐ YES ☐ NO ☒

DESTRUCTIVE: ☐ YES ☐ NO ☒ OTHER: ☐ YES ☒ NO ☐

Testing checklist attached: ☐ YES ☒ NO ☒

## Gridline/Plot Sign off

[illegible]



# GEOSHIELD Verification Report



## VERIFICATION SUMMARY

This was the second visit to site, where verification was required for the installation completed to plots; 1, 2 + 3.

I met the with installers from prestige air, who were finishing off the last installation areas to plot 3. I carried out a visual, pick and probe and an air lance integrity test during this visit.

Monarflex super membrane had been installed to a block and beam floor, and all joints and laps in the membrane had been welded using a hot air leister.

All details such as corners and pipe penetrations were sealed to manufacturers specification using gas resistant self adhesive membrane.

Installation to Bs8485:2015 + verified in accordance with CIRIA 735.

GEOSHIELD SIGNATURE:



DATE: 12/06/2020

## Appendix H

### Risk Assessment Definitions

# Definitions

## Defining **Severity of Impact**

The terms Serious, Moderate or Negligible are used to describe the severity of impact of a given source upon a given receptor in the event of a Source-Pathway-Receptor (SPR) Linkage being realised. These terms are defined as follows:

- |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serious</b>    | <ul style="list-style-type: none"><li>1) Death, permanent ill-health or damage will occur to humans, livestock or crops, flora and fauna;</li><li>2) Adverse change to a habitat protected under UK or EC law;</li><li>3) Contamination of groundwater or surface water with List I and List II substances <sup>(1)</sup> as such that appropriate guideline action levels are exceeded;</li><li>4) Structural failure or substantial damage to buildings.</li></ul>                                 |
| <b>Moderate</b>   | <ul style="list-style-type: none"><li>1) Chronic non-fatal harm (recoverable), minor harm, ill-health or impairment of humans, livestock or crops, flora and fauna;</li><li>2) Impact to habitats protected under UK or EC law does not cause adverse change;</li><li>3) Contamination of groundwater or surface water with List I and List II substances <sup>(1)</sup> such that appropriate guideline action levels are not exceeded;</li><li>4) Minor damage to property or buildings.</li></ul> |
| <b>Negligible</b> | <ul style="list-style-type: none"><li>1) No appreciable harmful effects to human's livestock or crops, flora and fauna;</li><li>2) No impact to a habitat protected under UK or EC Law;</li><li>3) Groundwater and surface water not contaminated above background (baseline) levels;</li><li>4) No damage to property or buildings.</li></ul>                                                                                                                                                       |

<sup>(1)</sup> as defined in the dangerous substances directive **or** any other substance considered as having or likely to increase the polluting effects of controlled waters **or** other site-specific threshold level or acceptance criteria specified and agreed to with the Regulators from which legal action could arise if breached.

## Defining Risk

The terms High, Medium or Low are used to describe the risk associated with a particular SPR Linkage and is defined by the completeness of the SPR Linkage combined with the Severity of Impact (in the event of a linkage being realised). **Recommended Action** is associated with the degree of risk as given below. These terms are defined as follows:

### High

An impact event is only defined as high risk if the following occurs:

- The SPR linkage is proven to be complete and the Severity of Impact is Serious and presently being realised (i.e. if there is an ongoing adverse impact upon human health, livestock, crops, buildings, protected ecosystems or controlled waters or there is a similar impact upon the proposed usage for which we are undertaking the risk assessment).

Recommended Action:

A high risk must involve remedial action agreed with the Regulators to break the SPR linkage.

### Medium:

An impact event is defined as medium risk if the following occurs:

- The SPR linkage is suspected but not proven where the Severity of Impact would be Serious. The possibility that there may be a high risk should be indicated;
- The SPR linkage is completed but the Severity of Impact is Moderate;
- The SPR linkage is incomplete but the potential exists for the linkage to be completed in the future (e.g. change in site end-use, introduction of a new pathway etc.) where the Severity of Impact would be either Moderate or Serious.

Recommended Action:

A medium risk must involve further action. This action may include investigation, monitoring, further risk assessment or remedial action agreed with the Regulators.

### Low

An impact event is defined as low risk if the following occurs:

- The SPR linkage is complete but the Severity of Impact is Negligible, ie the levels of contamination are below guideline limits posing a hazard for the proposed end-use;
- The SPR linkage is incomplete and there is no foreseeable mechanism by which it could be realised.

Recommended Action:

A low risk requires no further action.

N.B. It is necessary to indicate what the risk would be if the SPR linkage was completed at a later date (ie the latent risk would be indicated in brackets thus; medium (high) or medium (medium)).