

Mr James Langmead  
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Date: 03/02/2020

Our Ref: 19.1295

Dear Mr Langmead,

**RE: Site Investigation – Land adjacent to Sefter School House**

We are writing to you following our recent site investigation at the land adjacent to Sefter School House, Pagham, PO21 3EE. At the time of investigation the subject area comprised an unoccupied, irregularly shaped area of land adjacent to Sefter School House. A small stream ran along the south eastern boundary of site, along with a number of mature and semi mature deciduous trees. The surrounding area largely comprises agricultural fields with Sefter School House on the western boundary of site. Fly tipping is suspected to have taken place in the central and northern sections of site, with the contamination investigation being focused in this area. A site investigation plan can be found below with photographs of the site investigation found in **Appendix A**.

**Scope of Ground Investigation**

The aim of the site investigation was to ascertain the underlying ground conditions. Details of the final ground investigation is listed below:

- Seven boreholes extended to a maximum depth of 3mbgl using lightweight window sampling techniques for the purpose of contamination testing.

**Site Observations**

A significant volume of anthropogenic materials were observed all across the surface of the site, including concrete, red brick, metal and plastic objects, pipework, glass and a number of fragments of suspected asbestos roof tiles. The suspected Asbestos Containing Material (ACM) was observed all across the southern section of the site, more frequently in the south western corner of the site.

No visual or olfactory evidence of gross contamination was observed within the soils encountered on site.

### Ground Conditions

The typical soil sequence encountered during the investigation was as follows:

| Average Depth<br>(m below ground level) | Description                                                                                                                           |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 0 – 0.45                                | Brown sandy gravelly Clay with concrete, red brick, tile fragments (Made Ground) – Metal, glass, ACM observed across the site surface |
| 0.45 – 0.65                             | Firm brown sandy gravelly CLAY                                                                                                        |
| 0.65 – 1.7                              | Orange brown clayey SAND                                                                                                              |
| 1.7 – 3.0                               | Firm to stiff brown/blue grey CLAY                                                                                                    |

Reference should be made to the engineer's logs for full descriptions of each exploratory location, provided within **Appendix B**.

### Laboratory Analytical Testing

Twelve (12no) samples were submitted to a UKAS and MCERTS accredited laboratory testing facility, for a screen of contamination testing. The results of this laboratory testing have been compared to published guidance criteria, widely referred to by consultants and regulatory authorities within the industry and include the following;

- Published Land Quality Management (LQM) Suitable for Use Levels (S4UL) (LQM, 2015);
- As there is no UK GAC for Cyanide, the Dutch Intervention Value (DIV) will be adopted;
- As there is no UK GAC for Lead, the Category 4 Screening Level (C4SL) will be adopted (CL:AIRE, 2014);
- In the case of Asbestos and MTBE, the Detection Limits have been adopted as the GAC.

Due to the nature of the site, comparisons were made against the most stringent 'residential with home grown produce' land use setting.

Results of the laboratory analysis are presented in the table below with the full results available in **Appendix C**.

| Determinand             | GAC  | Source | Min    | Max     | Exceedances                                                                      |
|-------------------------|------|--------|--------|---------|----------------------------------------------------------------------------------|
| Asbestos                | DL   | CE     | Absent | Present | WS2 @ 0.3m<br>WS4 @ 0.4m<br>WS4 @ 1.2m<br>WS5 @ 0.5m<br>WS6 @ 0.2m<br>WS7 @ 0.5m |
| Asbestos Quantification | 0.1% | CE     | BDL    | 0.003   | -                                                                                |
| Total Cyanide           | 50   | DIV    | BDL    | BDL     | -                                                                                |
| Total Phenols           | 280  | LQM    | BDL    | BDL     | -                                                                                |
| Arsenic                 | 37   | LQM    | 7      | 43      | -                                                                                |

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|                        |       |      |     |       |                          |
|------------------------|-------|------|-----|-------|--------------------------|
| Cadmium                | 290   | LQM  | BDL | 0.5   | -                        |
| Chromium               | 910   | LQM  | 7   | 79    | -                        |
| Copper                 | 2400  | LQM  | BDL | 42    | -                        |
| Lead                   | 210   | C4SL | 7   | 457   | WS2 @ 0.3m               |
| Mercury                | 40    | LQM  | BDL | BDL   | -                        |
| Nickel                 | 180   | LQM  | 6   | 52    | -                        |
| Selenium               | 250   | LQM  | BDL | BDL   | -                        |
| Zinc                   | 3700  | LQM  | 18  | 458   | -                        |
| Naphthalene            | 2.3   | LQM  | BDL | 0.15  | -                        |
| Acenaphthylene         | 170   | LQM  | BDL | BDL   | -                        |
| Acenaphthene           | 210   | LQM  | BDL | 1.37  | -                        |
| Fluorene               | 170   | LQM  | BDL | 1.41  | -                        |
| Phenanthrene           | 95    | LQM  | BDL | 13.20 | -                        |
| Anthracene             | 2400  | LQM  | BDL | 2.81  | -                        |
| Fluoranthene           | 280   | LQM  | BDL | 15.40 | -                        |
| Pyrene                 | 620   | LQM  | BDL | 11.20 | -                        |
| Benzo(a)anthracene     | 7.2   | LQM  | BDL | 4.57  | -                        |
| Chrysene               | 15    | LQM  | BDL | 4.24  | -                        |
| Benzo(b)fluoranthene   | 2.6   | LQM  | BDL | 7.03  | WS4 @ 0.4m<br>WS7 @ 0.5m |
| Benzo(k)fluoranthene   | 77    | LQM  | BDL | 2.14  | -                        |
| Benzo(a)pyrene         | 2.2   | LQM  | BDL | 5.62  | WS4 @ 0.4m<br>WS7 @ 0.5m |
| Indeno(1,2,3-cd)pyrene | 27    | LQM  | BDL | 4.05  | -                        |
| Dibenz(a,h)anthracene  | 0.24  | LQM  | BDL | 0.68  | WS4 @ 0.4m<br>WS7 @ 0.5m |
| Benzo(ghi)perylene     | 320   | LQM  | BDL | 2.99  | -                        |
| Benzene                | 0.087 | LQM  | BDL | BDL   | -                        |
| Toluene                | 130   | LQM  | BDL | BDL   | -                        |
| Ethylbenzene           | 47    | LQM  | BDL | BDL   | -                        |
| Total Xylenes          | 56    | LQM  | BDL | BDL   | -                        |
| MTBE                   | DL    | CE   | BDL | BDL   | -                        |
| Aliphatic >C5-C6       | 42    | LQM  | BDL | BDL   | -                        |
| Aliphatic >C6-C8       | 100   | LQM  | BDL | BDL   | -                        |
| Aliphatic >C8-C10      | 27    | LQM  | BDL | BDL   | -                        |
| Aliphatic >C10-C12     | 130   | LQM  | BDL | BDL   | -                        |
| Aliphatic >C12-C16     | 1100  | LQM  | BDL | 65    | -                        |
| Aliphatic >C16-C21     | 65000 | LQM  | BDL | BDL   | -                        |
| Aliphatic >C21-C35     | 65000 | LQM  | BDL | BDL   | -                        |
| Aromatic >C5-C7        | 70    | LQM  | BDL | BDL   | -                        |
| Aromatic >C7-C8        | 130   | LQM  | BDL | BDL   | -                        |
| Aromatic >C8-C10       | 34    | LQM  | BDL | BDL   | -                        |
| Aromatic >C10-C12      | 74    | LQM  | BDL | BDL   | -                        |
| Aromatic >C12-C16      | 140   | LQM  | BDL | 6     | -                        |
| Aromatic >C16-C21      | 1100  | LQM  | BDL | 50    | -                        |
| Aromatic >C21-C35      | 1100  | LQM  | BDL | 153   | -                        |

Full laboratory analytical results can be found in **Appendix C**.

### **WAC Results**

Two composite WAC tests were undertaken from Made Ground within the area of suspected fly tipping to determine the likely landfill classification for the offsite disposal of Made Ground materials. Results are summarized in the table below.

| Sample ID | Material    | Location | Likely Landfill Classification |
|-----------|-------------|----------|--------------------------------|
| WAC1      | Made Ground | WS5, WS7 | Inert Landfill                 |
| WAC2      | Made Ground | WS2      | Non Hazardous Landfill         |

Full laboratory results can be observed in **Appendix C**.

### **Discussion of Findings**

The laboratory results from the soil samples retrieved during the intrusive investigation have identified the presence of Asbestos (Chrysotile) within the Made Ground in the following locations;

- WS2 @ 0.30m
- WS4 @ 0.40m
- WS4 @ 1.20m
- WS5 @ 0.50m
- WS6 @ 0.20m
- WS7 @ 0.50m

The following exceedances of the adopted GACs were revealed during the laboratory testing;

- Lead (max 457mg/kg) - WS2 at 0.30m
- Benzo(b)fluoranthene (max 7.03mg/kg) – WS4 at 0.40m & WS7 at 0.50m
- Benzo(a)pyrene (max 5.62mg/kg) - WS4 at 0.40m & WS7 at 0.50m
- Dibenz(a,h)anthracene (0.68mg/kg) - WS4 at 0.40m & WS7 at 0.50m

### **Recommendations**

The asbestos fibres identified during the laboratory analytical testing were all quantified to below the hazardous threshold level of 0.1%. As a result, no remedial works regarding the identified asbestos in the soil is likely to be required.

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The suspected ACM tile fragments observed across the site should be hand-picked by certified Category B operatives wearing the appropriate PPE, double bagged and disposed of in a secure, lockable skip, in line with CAR2012 regulations.

Exceedances of the most stringent 'residential with home grown produce' GACs were observed within the Made Ground materials in WS2, WS4 and WS7. These materials extend to a maximum depth of 0.70mbgl across site. WS2 and WS7 were located within the centre of the site where fly tipping was suspected to have occurred. WS4 was located in the south of the site.

It is likely that Made Ground materials will be largely removed from site during the groundworks phase of any development.

If any proposed development were to include private gardens, the following is recommended;

- Removal of existing Made Ground soils to allow a minimum 450mm capping layer from finalised ground level.
- Installation of a geotextile membrane at the base of the reduced dig – subsequent to the requirements of a Landscape Designer/Architect
- Importation of a minimum 300mm thickness of suitable subsoil; and,
- Importation of a minimum 150mm thickness of suitable, certified topsoil as per BS3882:20125, at surface (dependant on final landscape design and advice from landscape architect)

It is also recommended that the following Discovery Strategy is followed during the construction phase of any site works.

If any previously unidentified contamination is observed or suspected during the construction phase, the following procedures should be adhered to. Material excavated should be placed onto an impermeable cover to prevent any potential cross contamination.

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### **Potential Contamination**

Potential contamination can be identified by the following;

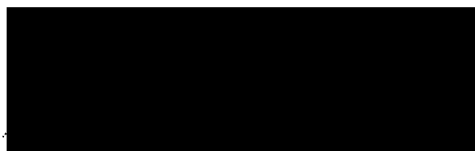
- Oily odour or sheen
- Solvent odour
- Potentially contaminative anthropogenic materials
- Fragments of asbestos sheeting

This list is not exhaustive and a thorough watching brief should be maintained throughout works.

If any previously unidentified contamination is observed during the watching brief, it is recommended that the site manager decides if the material is potentially contaminated and to inform Constructive Evaluation, who will send a representative to site for sampling and a visual appraisal of the materials. It is recommended that the material is cordoned off until it has been determined as contaminated or otherwise.

We trust the above information is sufficient for your requirements in this matter. Should you have any queries, please do not hesitate to get in contact.

Kind regards,



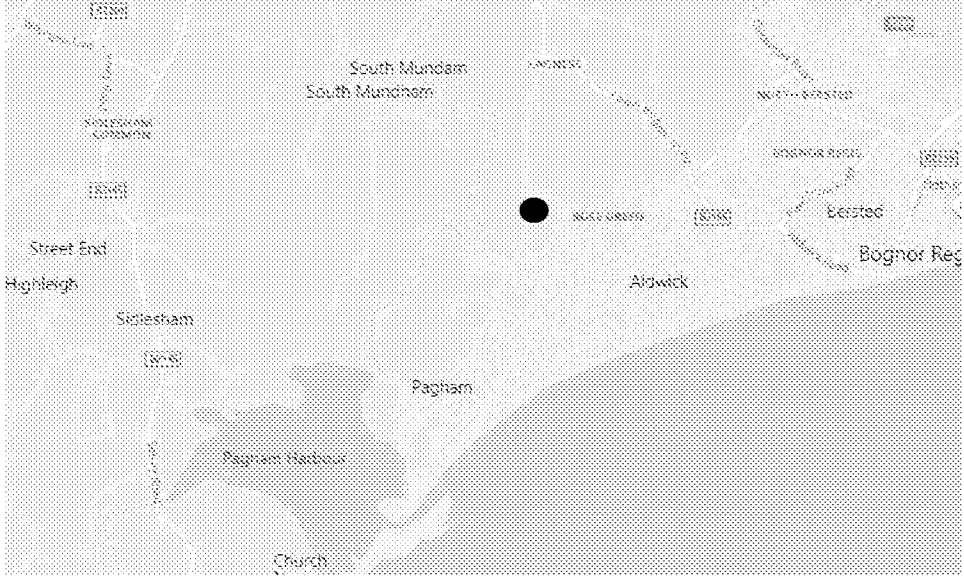
**Michael Emery MSc BSc FGS IAEG**

**Geo Environmental Consultant  
Constructive Evaluation Limited**

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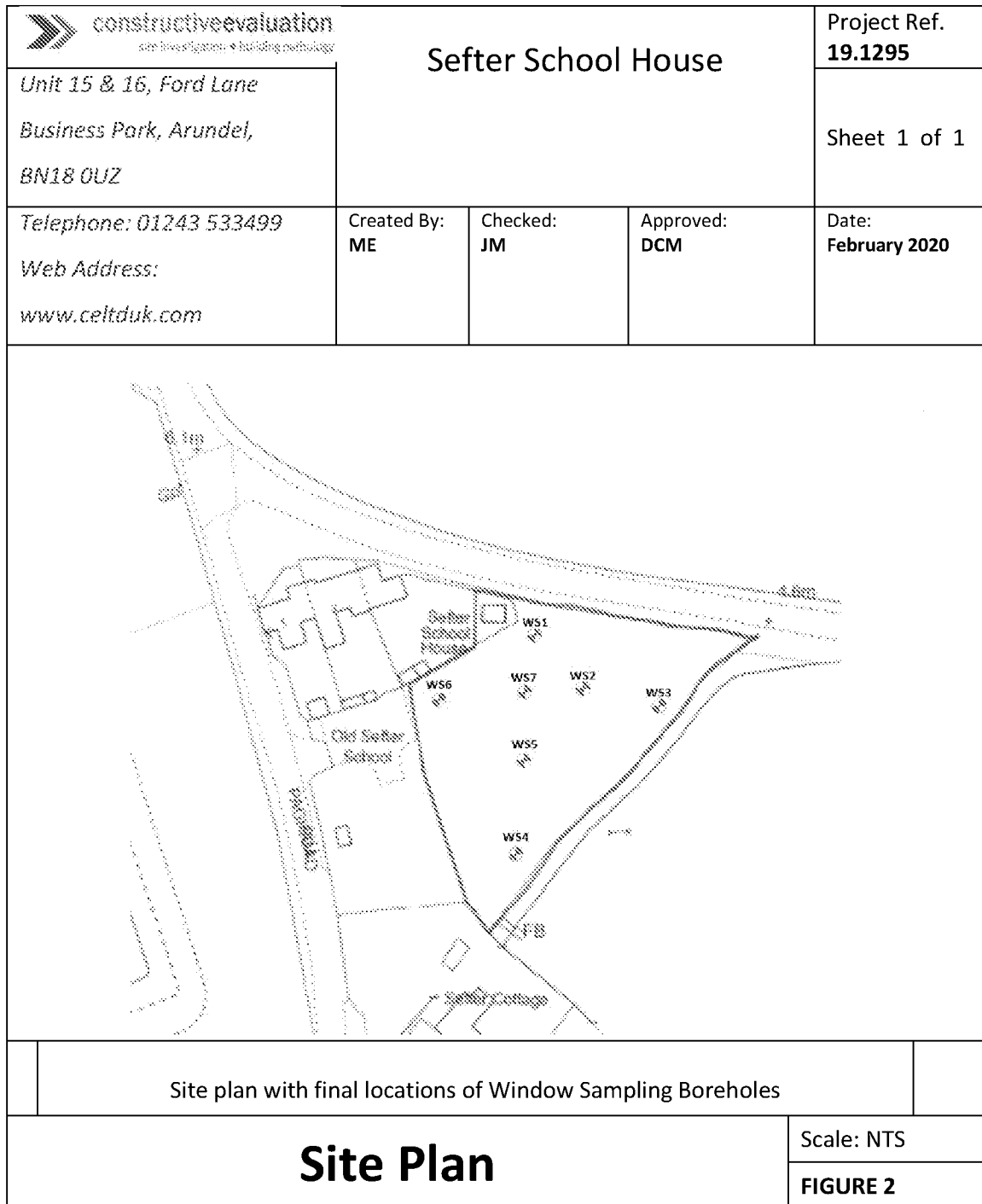
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|                                                                                                                                                                           |  |                                      |                       |                                |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|-----------------------|--------------------------------|-------------------------------|
|  <b>constructiveevaluation</b><br><small>site investigation • building pathology</small> |  | <b>Sefter School House</b>           |                       | Project Ref.<br><b>19.1295</b> |                               |
| Unit 15 & 16, Ford Lane<br>Business Park, Arundel,<br>BN18 0UZ                                                                                                            |  |                                      |                       | Sheet 1 of 1                   |                               |
| Telephone: 01243 533499<br>Web Address:<br><a href="http://www.celtduk.com">www.celtduk.com</a>                                                                           |  | Created By:<br><b>ME</b>             | Checked:<br><b>JM</b> | Approved:<br><b>DCM</b>        | Date:<br><b>February 2020</b> |
|                                                                                        |  |                                      |                       |                                |                               |
| Reproduced by permission of<br>H.M. Stationery Office.                                                                                                                    |  | Map extracted at a scale of 1:25,000 |                       |                                | N<br>▲                        |
| <b>Site Location</b>                                                                                                                                                      |  |                                      |                       | Scale: NTS                     |                               |
|                                                                                                                                                                           |  |                                      |                       | <b>FIGURE 1</b>                |                               |

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Appendix A – Site Photographs



# Investigation Photographs

Project Ref: 19.1295

Site Name: Sefter School House

1.



2.



3.



4.



- 1) Site overview facing west
- 2) Stream on eastern site boundary
- 3) Site overview facing north west
- 4) Site overview facing south

# Investigation Photographs

Project Ref: 19.1295

Site Name: Sefter School House

5.



6.



- 5) Lightweight window sampling at WS1
- 6) Hand digging at WS2
- 7) Hand digging at WS7
- 8) Suspected ACM tile fragments on the southern half of site

7.



8.



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**Appendix B – Stratigraphic Logs**





# Borehole Log

Borehole No.

**WS1**

Sheet 1 of 1

Project Name: Sefter School House

Project No.  
19.1295

Co-ords:

Hole Type  
WS

Location: Pagham

Level:

Scale  
1:50

Client: Basing Partners Ltd

Dates:

Logged By  
ME

| Well | Water Strikes | Sample and In Situ Testing |      |         | Depth (m) | Level (m AOD) | Legend | Stratum Description                                                                                                                                                                       |    |
|------|---------------|----------------------------|------|---------|-----------|---------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                  | Type | Results |           |               |        |                                                                                                                                                                                           |    |
|      |               | 0.10 - 0.20                | ES   |         | 0.20      |               |        | Brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravels are medium to coarse, subangular and subrounded flint, concrete, red brick, wood and tile fragments.<br>(Made Ground) |    |
|      |               | 0.80 - 0.90                | ES   |         | 1.00      |               |        | Soft brown silty sandy CLAY with occasional orange mottling. Sand is fine to medium.                                                                                                      | 1  |
|      |               |                            |      |         |           |               |        | Orange brown slightly clayey fine to coarse SAND.                                                                                                                                         |    |
|      |               |                            |      |         | 2.20      |               |        | Firm brown CLAY.                                                                                                                                                                          | 2  |
|      |               |                            |      |         | 2.50      |               |        | Stiff blue grey CLAY.                                                                                                                                                                     |    |
|      |               |                            |      |         | 3.00      |               |        | End of Borehole at 3.000m                                                                                                                                                                 | 3  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 4  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 5  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 6  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 7  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 8  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 9  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                                           | 10 |

Remarks





# Borehole Log

Borehole No.

**WS2**

Sheet 1 of 1

Project Name: Sefter School House

Project No.  
19.1295

Co-ords:

Hole Type  
WS

Location: Pagham

Level:

Scale  
1:50

Client: Basing Partners Ltd

Dates:

Logged By  
ME

| Well | Water Strikes | Sample and In Situ Testing |      |         | Depth (m) | Level (m AOD) | Legend | Stratum Description                                                                                                                                                  |    |
|------|---------------|----------------------------|------|---------|-----------|---------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                  | Type | Results |           |               |        |                                                                                                                                                                      |    |
|      |               | 0.30 - 0.40                | ES   |         | 0.40      |               |        | Grey brown slightly sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, angular and subrounded red brick, concrete and flint. (Made Ground) |    |
|      |               | 1.20 - 1.30                | ES   |         |           |               |        | Orange brown clayey gravelly fine to coarse SAND. Gravels are medium to coarse, subangular and rounded flint.                                                        | 1  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 2  |
|      |               |                            |      |         | 2.70      |               |        |                                                                                                                                                                      |    |
|      |               |                            |      |         | 2.80      |               |        | Firm brown CLAY.                                                                                                                                                     |    |
|      |               |                            |      |         | 3.00      |               |        | Stiff grey CLAY.                                                                                                                                                     |    |
|      |               |                            |      |         |           |               |        | End of Borehole at 3.000m                                                                                                                                            | 3  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 4  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 5  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 6  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 7  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 8  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 9  |
|      |               |                            |      |         |           |               |        |                                                                                                                                                                      | 10 |

Remarks





# Borehole Log

Borehole No.

**WS3**

Sheet 1 of 1

Project Name: Sefter School House

Project No.  
19.1295

Co-ords:

Hole Type  
WS

Location: Pagham

Level:

Scale  
1:50

Client: Basing Partners Ltd

Dates:

Logged By  
ME

| Well | Water Strikes                                                                     | Sample and In Situ Testing |      |         | Depth (m) | Level (m AOD) | Legend                                                                            | Stratum Description                                                                                                                                     |    |
|------|-----------------------------------------------------------------------------------|----------------------------|------|---------|-----------|---------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |                                                                                   | Depth (m)                  | Type | Results |           |               |                                                                                   |                                                                                                                                                         |    |
|      |                                                                                   | 0.20 - 0.30                | ES   |         | 0.40      |               |  | Brown sandy gravelly CLAY. Sand is fine to coarse. Gravels are medium to coarse, subangular and subrounded flint, concrete and red brick. (Made Ground) | 1  |
|      |                                                                                   | 0.60 - 0.70                | ES   |         |           |               |  | Firm brown sandy gravelly CLAY. Sand is fine to medium. Gravels are fine to medium, subangular and subrounded flint.                                    |    |
|      |  |                            |      |         | 1.50      |               |  | Grey orange slightly clayey fine to medium SAND.                                                                                                        | 2  |
|      |                                                                                   |                            |      |         | 1.90      |               |  | Stiff brown CLAY.                                                                                                                                       |    |
|      |                                                                                   |                            |      |         | 2.00      |               |                                                                                   | End of Borehole at 2.000m                                                                                                                               |    |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         |    |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 3  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 4  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 5  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 6  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 7  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 8  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 9  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                         | 10 |

Remarks





# Borehole Log

Borehole No.

**WS4**

Sheet 1 of 1

Project Name: Sefter School House

Project No.  
19.1295

Co-ords:

Hole Type  
WS

Location: Pagham

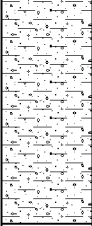
Level:

Scale  
1:50

Client: Basing Partners Ltd

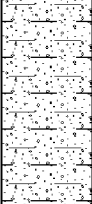
Dates:

Logged By  
ME

| Well | Water Strikes                                                                     | Sample and In Situ Testing |      |         | Depth (m) | Level (m AOD) | Legend                                                                            | Stratum Description                                                                                                                                             |    |
|------|-----------------------------------------------------------------------------------|----------------------------|------|---------|-----------|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |                                                                                   | Depth (m)                  | Type | Results |           |               |                                                                                   |                                                                                                                                                                 |    |
|      |                                                                                   | 0.40 - 0.50                | ES   |         | 0.40      |               |  | Brown sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, subangular and subrounded flint, concrete, red brick and tile. (Made Ground) |    |
|      |                                                                                   | 1.20 - 1.30                | ES   |         |           |               |  | Firm brown sandy gravelly CLAY. Sand is fine to medium. Gravels are fine to medium, subangular and subrounded flint.                                            | 1  |
|      |  |                            |      |         | 2.00      |               |                                                                                   | End of Borehole at 2.000m                                                                                                                                       | 2  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 3  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 4  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 5  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 6  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 7  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 8  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 9  |
|      |                                                                                   |                            |      |         |           |               |                                                                                   |                                                                                                                                                                 | 10 |

Remarks



|  <b>constructiveevaluation</b><br><small>site investigation • building pathology</small> |                                                                                   |                            |      | <h1>Borehole Log</h1> |           |                 | Borehole No.<br><b>WS5</b><br>Sheet 1 of 1                                        |                                                                                                                                                          |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|------|-----------------------|-----------|-----------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Project Name: Sefter School House                                                                                                                                        |                                                                                   |                            |      | Project No. 19.1295   |           | Co-ords:        |                                                                                   | Hole Type<br>WS                                                                                                                                          |    |
| Location: Pagham                                                                                                                                                         |                                                                                   |                            |      | Level:                |           | Scale<br>1:50   |                                                                                   |                                                                                                                                                          |    |
| Client: Basing Partners Ltd                                                                                                                                              |                                                                                   |                            |      | Dates:                |           | Logged By<br>ME |                                                                                   |                                                                                                                                                          |    |
| Well                                                                                                                                                                     | Water Strikes                                                                     | Sample and In Situ Testing |      |                       | Depth (m) | Level (m AOD)   | Legend                                                                            | Stratum Description                                                                                                                                      |    |
|                                                                                                                                                                          |                                                                                   | Depth (m)                  | Type | Results               |           |                 |                                                                                   |                                                                                                                                                          |    |
|                                                                                                                                                                          |  | 0.50 - 0.60                | ES   |                       | 0.60      |                 |  | Brown sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, subangular and subrounded red brick, concrete and tile. (Made Ground) | 1  |
|                                                                                                                                                                          |                                                                                   | 0.90 - 1.00                | ES   |                       |           |                 |  | Orange brown clayey slightly gravelly fine to coarse SAND. Gravels are fine to medium, subangular to rounded flint.                                      |    |
|                                                                                                                                                                          |                                                                                   |                            |      |                       | 2.00      |                 |                                                                                   | End of Borehole at 2.000m                                                                                                                                | 2  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 3  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 4  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 5  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 6  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 7  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 8  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 9  |
|                                                                                                                                                                          |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                                                                                                          | 10 |
| Remarks                                                                                                                                                                  |                                                                                   |                            |      |                       |           |                 |                                                                                   |                                                                     |    |



# Borehole Log

Borehole No.

**WS6**

Sheet 1 of 1

Project Name: Sefter School House

Project No.  
19.1295

Co-ords:

Hole Type  
WS

Location: Pagham

Level:

Scale  
1:50

Client: Basing Partners Ltd

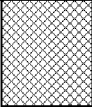
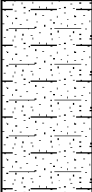
Dates:

Logged By  
ME

| Well | Water Strikes | Sample and In Situ Testing |      |         | Depth (m) | Level (m AOD) | Legend                                                                            | Stratum Description                                                                                                                     |    |
|------|---------------|----------------------------|------|---------|-----------|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               | Depth (m)                  | Type | Results |           |               |                                                                                   |                                                                                                                                         |    |
|      |               | 0.20 - 0.30                | ES   |         | 0.30      |               |  | Brown sandy slightly gravelly CLAY. Sand is medium to coarse. Gravels are fine to medium, subangular and rounded flint and red brick.   |    |
|      |               | 0.40 - 0.50                | ES   |         |           |               |  | (Made Ground)<br>Orange brown clayey slightly gravelly medium to coarse SAND. Gravels are fine to medium, subangular and rounded flint. |    |
|      |               |                            |      |         | 1.00      |               |                                                                                   | End of Borehole at 1.000m                                                                                                               | 1  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 2  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 3  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 4  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 5  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 6  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 7  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 8  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 9  |
|      |               |                            |      |         |           |               |                                                                                   |                                                                                                                                         | 10 |

Remarks



|  <b>constructiveevaluation</b><br><small>site investigation • building pathology</small> |                                                                                   |                            |      | <h1 style="text-align: center;">Borehole Log</h1> |              |                  |                                                                                   | Borehole No.<br><b>WS7</b><br>Sheet 1 of 1                                                                                                                  |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|------|---------------------------------------------------|--------------|------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Name:      Sefter School House                                                                                                                                   |                                                                                   |                            |      | Project No.<br>19.1295                            |              | Co-ords:         |                                                                                   | Hole Type<br>WS                                                                                                                                             |                                                                                       |
| Location:              Pagham                                                                                                                                            |                                                                                   |                            |      | Level:                                            |              | Scale<br>1:50    |                                                                                   |                                                                                                                                                             |                                                                                       |
| Client:                  Basing Partners Ltd                                                                                                                             |                                                                                   |                            |      | Dates:                                            |              | Logged By<br>ME  |                                                                                   |                                                                                                                                                             |                                                                                       |
| Well                                                                                                                                                                     | Water<br>Strikes                                                                  | Sample and In Situ Testing |      |                                                   | Depth<br>(m) | Level<br>(m AOD) | Legend                                                                            | Stratum Description                                                                                                                                         |                                                                                       |
|                                                                                                                                                                          |                                                                                   | Depth (m)                  | Type | Results                                           |              |                  |                                                                                   |                                                                                                                                                             |                                                                                       |
|                                                                                                                                                                          |  | 0.50 - 0.60                | ES   |                                                   | 0.70         |                  |  | Dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravels are medium to coarse, subangular to subrounded flint, concrete and red brick. (Made Ground) | 1                                                                                     |
|                                                                                                                                                                          |                                                                                   | 1.00 - 1.10                | ES   |                                                   |              |                  |  | Orange brown clayey medium to coarse SAND.                                                                                                                  |                                                                                       |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  | 2.00                                                                              |                                                                                                                                                             |                                                                                       |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 3                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 4                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 5                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 6                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 7                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 8                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 9                                                                                     |
|                                                                                                                                                                          |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             | 10                                                                                    |
| Remarks                                                                                                                                                                  |                                                                                   |                            |      |                                                   |              |                  |                                                                                   |                                                                                                                                                             |  |

**Appendix C – Laboratory Analytical Results**



Michael Emery  
Constructive Evaluation Ltd  
Unit 15 & 16  
Ford Lane Business  
Ford Lane  
Ford  
Arundel  
BN18 0UZ

**DETS Ltd**  
Unit 1  
Rose Lane Industrial Estate  
Rose Lane  
Lenham Heath  
Kent  
ME17 2JN

## **DETS Report No: 20-00385**

**Site Reference:** Sefter School House

**Project / Job Ref:** 19.1295

**Order No:** 19.1295/ME

**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

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



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



| Soil Analysis Certificate           |                 |               |               |               |               |               |
|-------------------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| DETS Report No: 20-00385            | Date Sampled    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| Constructive Evaluation Ltd         | Time Sampled    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Site Reference: Sefter School House | TP / BH No      | WS1           | WS1           | WS2           | WS2           | WS3           |
| Project / Job Ref: 19.1295          | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Order No: 19.1295/ME                | Depth (m)       | 0.10          | 0.80          | 0.30          | 1.20          | 0.60          |
| Reporting Date: 21/01/2020          | DETS Sample No  | 456384        | 456385        | 456386        | 456387        | 456388        |

| Determinand                           | Unit          | RL     | Accreditation |              |              |                                     |              |              |
|---------------------------------------|---------------|--------|---------------|--------------|--------------|-------------------------------------|--------------|--------------|
| Asbestos Screen <sup>(5)</sup>        | N/a           | N/a    | ISO 17025     | Not Detected | Not Detected | Detected                            | Not Detected | Not Detected |
| Sample Matrix <sup>(5)</sup>          | Material Type | N/a    | NONE          |              |              | Chrysotile present as fibre bundles |              |              |
| Asbestos Type <sup>(5)</sup>          | PLM Result    | N/a    | ISO 17025     |              |              | Chrysotile                          |              |              |
| pH                                    | pH Units      | N/a    | MCERTS        | 7.9          | 8.1          | 8.3                                 | 8.4          | 7.9          |
| Total Cyanide                         | mg/kg         | < 2    | NONE          | < 2          | < 2          | < 2                                 | < 2          | < 2          |
| W/S Sulphate as SO <sub>4</sub> (2:1) | mg/l          | < 10   | MCERTS        | 30           | 23           | 75                                  | < 10         | 1580         |
| W/S Sulphate as SO <sub>4</sub> (2:1) | g/l           | < 0.01 | MCERTS        | 0.03         | 0.02         | 0.07                                | < 0.01       | 1.58         |
| Organic Matter                        | %             | < 0.1  | MCERTS        | 4.3          | 1.4          | 1.9                                 | 0.3          | 1.1          |
| Arsenic (As)                          | mg/kg         | < 2    | MCERTS        | 26           | 11           | 7                                   | 14           | 13           |
| Cadmium (Cd)                          | mg/kg         | < 0.2  | MCERTS        | < 0.2        | 0.2          | 0.2                                 | < 0.2        | < 0.2        |
| Chromium (Cr)                         | mg/kg         | < 2    | MCERTS        | 16           | 26           | 18                                  | 7            | 19           |
| Chromium (hexavalent)                 | mg/kg         | < 2    | NONE          | < 2          | < 2          | < 2                                 | < 2          | < 2          |
| Copper (Cu)                           | mg/kg         | < 4    | MCERTS        | 5            | 15           | 15                                  | < 4          | 15           |
| Lead (Pb)                             | mg/kg         | < 3    | MCERTS        | 8            | 44           | 457                                 | 9            | 39           |
| Mercury (Hg)                          | mg/kg         | < 1    | NONE          | < 1          | < 1          | < 1                                 | < 1          | < 1          |
| Nickel (Ni)                           | mg/kg         | < 3    | MCERTS        | 12           | 20           | 10                                  | 6            | 16           |
| Selenium (Se)                         | mg/kg         | < 3    | NONE          | < 3          | < 3          | < 3                                 | < 3          | < 3          |
| Zinc (Zn)                             | mg/kg         | < 3    | MCERTS        | 47           | 100          | 458                                 | 18           | 150          |
| Total Phenols (monohydric)            | mg/kg         | < 2    | NONE          | < 2          | < 2          | < 2                                 | < 2          | < 2          |
| TPH - Aliphatic >C35 - C40            | mg/kg         | < 10   | MCERTS        | < 10         | < 10         | < 10                                | < 10         | < 10         |
| TPH - Aromatic >C35 - C40             | mg/kg         | < 10   | MCERTS        | < 10         | < 10         | < 10                                | < 10         | < 10         |

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**



| Soil Analysis Certificate                  |                        |               |               |               |               |               |
|--------------------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Site Reference: Sefter School House</b> | <b>TP / BH No</b>      | WS4           | WS4           | WS5           | WS5           | WS6           |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.40          | 1.20          | 0.50          | 0.90          | 0.20          |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456389        | 456390        | 456391        | 456392        | 456393        |

| Determinand                           | Unit          | RL     | Accreditation |                                     |                                     |                                                                   |              |                                                   |
|---------------------------------------|---------------|--------|---------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------|--------------|---------------------------------------------------|
| Asbestos Screen <sup>(5)</sup>        | N/a           | N/a    | ISO 17025     | Detected                            | Detected                            | Detected                                                          | Not Detected | Detected                                          |
| Sample Matrix <sup>(5)</sup>          | Material Type | N/a    | NONE          | Chrysotile present as fibre bundles | Chrysotile present as fibre bundles | Chrysotile present as bundles and in microscopic cement fragments |              | Chrysotile present in microscopic cement fragment |
| Asbestos Type <sup>(5)</sup>          | PLM Result    | N/a    | ISO 17025     | Chrysotile                          | Chrysotile                          | Chrysotile                                                        |              | Chrysotile                                        |
| pH                                    | pH Units      | N/a    | MCERTS        | 8.3                                 | 8.2                                 | 8.3                                                               | 7.8          | 8.2                                               |
| Total Cyanide                         | mg/kg         | < 2    | NONE          | < 2                                 | < 2                                 | < 2                                                               | < 2          | < 2                                               |
| W/S Sulphate as SO <sub>4</sub> (2:1) | mg/l          | < 10   | MCERTS        | 449                                 | 67                                  | 88                                                                | 32           | 12                                                |
| W/S Sulphate as SO <sub>4</sub> (2:1) | g/l           | < 0.01 | MCERTS        | 0.45                                | 0.07                                | 0.09                                                              | 0.03         | 0.01                                              |
| Organic Matter                        | %             | < 0.1  | MCERTS        | 2                                   | 1.2                                 | 2.1                                                               | 0.2          | 1.3                                               |
| Arsenic (As)                          | mg/kg         | < 2    | MCERTS        | 10                                  | 12                                  | 24                                                                | 8            | 7                                                 |
| Cadmium (Cd)                          | mg/kg         | < 0.2  | MCERTS        | 0.3                                 | < 0.2                               | 0.5                                                               | < 0.2        | < 0.2                                             |
| Chromium (Cr)                         | mg/kg         | < 2    | MCERTS        | 19                                  | 23                                  | 31                                                                | 22           | 16                                                |
| Chromium (hexavalent)                 | mg/kg         | < 2    | NONE          | < 2                                 | < 2                                 | < 2                                                               | < 2          | < 2                                               |
| Copper (Cu)                           | mg/kg         | < 4    | MCERTS        | 23                                  | 18                                  | 42                                                                | < 4          | 9                                                 |
| Lead (Pb)                             | mg/kg         | < 3    | MCERTS        | 85                                  | 61                                  | 129                                                               | 6            | 36                                                |
| Mercury (Hg)                          | mg/kg         | < 1    | NONE          | < 1                                 | < 1                                 | < 1                                                               | < 1          | < 1                                               |
| Nickel (Ni)                           | mg/kg         | < 3    | MCERTS        | 14                                  | 19                                  | 19                                                                | 17           | 12                                                |
| Selenium (Se)                         | mg/kg         | < 3    | NONE          | < 3                                 | < 3                                 | < 3                                                               | < 3          | < 3                                               |
| Zinc (Zn)                             | mg/kg         | < 3    | MCERTS        | 124                                 | 79                                  | 161                                                               | 16           | 58                                                |
| Total Phenols (monohydric)            | mg/kg         | < 2    | NONE          | < 2                                 | < 2                                 | < 2                                                               | < 2          | < 2                                               |
| TPH - Aliphatic >C35 - C40            | mg/kg         | < 10   | MCERTS        | < 10                                | < 10                                | < 10                                                              | < 10         | < 10                                              |
| TPH - Aromatic >C35 - C40             | mg/kg         | < 10   | MCERTS        | 15                                  | < 10                                | 20                                                                | < 10         | < 10                                              |

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**



### Soil Analysis Certificate

|                                            |                        |               |               |  |  |  |
|--------------------------------------------|------------------------|---------------|---------------|--|--|--|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      |  |  |  |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied |  |  |  |
| <b>Site Reference: Sefter School House</b> | <b>TP / BH No</b>      | WS7           | WS7           |  |  |  |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied |  |  |  |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.50          | 1.00          |  |  |  |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456394        | 456395        |  |  |  |

| Determinand                           | Unit          | RL     | Accreditation | Detected                            | Not Detected |  |  |  |
|---------------------------------------|---------------|--------|---------------|-------------------------------------|--------------|--|--|--|
| Asbestos Screen <sup>(S)</sup>        | N/a           | N/a    | ISO 17025     | Detected                            | Not Detected |  |  |  |
| Sample Matrix <sup>(S)</sup>          | Material Type | N/a    | NONE          | Chrysotile present as fibre bundles |              |  |  |  |
| Asbestos Type <sup>(S)</sup>          | PLM Result    | N/a    | ISO 17025     | Chrysotile                          |              |  |  |  |
| pH                                    | pH Units      | N/a    | MCERTS        | 8.2                                 | 7.8          |  |  |  |
| Total Cyanide                         | mg/kg         | < 2    | NONE          | < 2                                 | < 2          |  |  |  |
| W/S Sulphate as SO <sub>4</sub> (2:1) | mg/l          | < 10   | MCERTS        | 80                                  | 40           |  |  |  |
| W/S Sulphate as SO <sub>4</sub> (2:1) | g/l           | < 0.01 | MCERTS        | 0.08                                | 0.04         |  |  |  |
| Organic Matter                        | %             | < 0.1  | MCERTS        | 2.8                                 | 0.2          |  |  |  |
| Arsenic (As)                          | mg/kg         | < 2    | MCERTS        | 12                                  | 43           |  |  |  |
| Cadmium (Cd)                          | mg/kg         | < 0.2  | MCERTS        | 0.3                                 | 0.3          |  |  |  |
| Chromium (Cr)                         | mg/kg         | < 2    | MCERTS        | 20                                  | 79           |  |  |  |
| Chromium (hexavalent)                 | mg/kg         | < 2    | NONE          | < 2                                 | < 2          |  |  |  |
| Copper (Cu)                           | mg/kg         | < 4    | MCERTS        | 23                                  | 7            |  |  |  |
| Lead (Pb)                             | mg/kg         | < 3    | MCERTS        | 125                                 | 7            |  |  |  |
| Mercury (Hg)                          | mg/kg         | < 1    | NONE          | < 1                                 | < 1          |  |  |  |
| Nickel (Ni)                           | mg/kg         | < 3    | MCERTS        | 15                                  | 52           |  |  |  |
| Selenium (Se)                         | mg/kg         | < 3    | NONE          | < 3                                 | < 3          |  |  |  |
| Zinc (Zn)                             | mg/kg         | < 3    | MCERTS        | 136                                 | 25           |  |  |  |
| Total Phenols (monohydric)            | mg/kg         | < 2    | NONE          | < 2                                 | < 2          |  |  |  |
| TPH - Aliphatic >C35 - C40            | mg/kg         | < 10   | MCERTS        | < 10                                | < 10         |  |  |  |
| TPH - Aromatic >C35 - C40             | mg/kg         | < 10   | MCERTS        | 21                                  | < 10         |  |  |  |

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**



**Soil Analysis Certificate - Speciated PAHs**

|                                            |                        |               |               |               |               |               |
|--------------------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Site Reference: Sefter School House</b> | <b>TP / BH No</b>      | WS1           | WS1           | WS2           | WS2           | WS3           |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.10          | 0.80          | 0.30          | 1.20          | 0.60          |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456384        | 456385        | 456386        | 456387        | 456388        |

| Determinand            | Unit  | RL    | Accreditation |       |       |       |       |       |
|------------------------|-------|-------|---------------|-------|-------|-------|-------|-------|
| Naphthalene            | mg/kg | < 0.1 | MCERTS        | < 0.1 | 0.15  | < 0.1 | < 0.1 | < 0.1 |
| Acenaphthylene         | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Acenaphthene           | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Fluorene               | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Phenanthrene           | mg/kg | < 0.1 | MCERTS        | 0.69  | 0.21  | 1.21  | < 0.1 | < 0.1 |
| Anthracene             | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | 0.29  | < 0.1 | < 0.1 |
| Fluoranthene           | mg/kg | < 0.1 | MCERTS        | 1.58  | 0.36  | 4.83  | < 0.1 | < 0.1 |
| Pyrene                 | mg/kg | < 0.1 | MCERTS        | 1.37  | 0.31  | 4.89  | < 0.1 | < 0.1 |
| Benzo(a)anthracene     | mg/kg | < 0.1 | MCERTS        | 0.67  | 0.16  | 2.26  | < 0.1 | < 0.1 |
| Chrysene               | mg/kg | < 0.1 | MCERTS        | 0.72  | 0.17  | 2.04  | < 0.1 | < 0.1 |
| Benzo(b)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 0.95  | 0.21  | 2.42  | < 0.1 | < 0.1 |
| Benzo(k)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 0.28  | < 0.1 | 0.95  | < 0.1 | < 0.1 |
| Benzo(a)pyrene         | mg/kg | < 0.1 | MCERTS        | 0.63  | 0.15  | 2.09  | < 0.1 | < 0.1 |
| Indeno(1,2,3-cd)pyrene | mg/kg | < 0.1 | MCERTS        | 0.41  | < 0.1 | 1.16  | < 0.1 | < 0.1 |
| Dibenz(a,h)anthracene  | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | 0.13  | < 0.1 | < 0.1 |
| Benzo(ghi)perylene     | mg/kg | < 0.1 | MCERTS        | 0.36  | < 0.1 | 0.95  | < 0.1 | < 0.1 |
| Total EPA-16 PAHs      | mg/kg | < 1.6 | MCERTS        | 7.7   | 1.7   | 23.2  | < 1.6 | < 1.6 |

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



DETS Ltd  
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Maidstone  
Kent ME17 2JN



# Soil Analysis Certificate - Speciated PAHs

|                                     |                 |               |               |               |               |               |
|-------------------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| DETS Report No: 20-00385            | Date Sampled    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| Constructive Evaluation Ltd         | Time Sampled    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Site Reference: Seftor School House | TP / BH No      | WS4           | WS4           | WS5           | WS5           | WS6           |
| Project / Job Ref: 19.1295          | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Order No: 19.1295/ME                | Depth (m)       | 0.40          | 1.20          | 0.50          | 0.90          | 0.20          |
| Reporting Date: 21/01/2020          | DETS Sample No  | 456389        | 456390        | 456391        | 456392        | 456393        |

| Determinand            | Unit  | RL    | Accreditation |       |       |       |       |       |
|------------------------|-------|-------|---------------|-------|-------|-------|-------|-------|
| Naphthalene            | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Acenaphthylene         | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Acenaphthene           | mg/kg | < 0.1 | MCERTS        | 1.37  | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Fluorene               | mg/kg | < 0.1 | MCERTS        | 1.41  | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Phenanthrene           | mg/kg | < 0.1 | MCERTS        | 13.20 | 0.19  | 0.29  | < 0.1 | 0.15  |
| Anthracene             | mg/kg | < 0.1 | MCERTS        | 2.81  | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Fluoranthene           | mg/kg | < 0.1 | MCERTS        | 15.40 | 0.60  | 0.97  | < 0.1 | 0.35  |
| Pyrene                 | mg/kg | < 0.1 | MCERTS        | 11.20 | 0.58  | 0.97  | < 0.1 | 0.31  |
| Benzo(a)anthracene     | mg/kg | < 0.1 | MCERTS        | 5.09  | 0.37  | 1.12  | < 0.1 | 0.18  |
| Chrysene               | mg/kg | < 0.1 | MCERTS        | 4.24  | 0.41  | 1.07  | < 0.1 | 0.20  |
| Benzo(b)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 4.51  | 0.65  | 1.91  | < 0.1 | 0.30  |
| Benzo(k)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 1.56  | 0.24  | 0.59  | < 0.1 | < 0.1 |
| Benzo(a)pyrene         | mg/kg | < 0.1 | MCERTS        | 3.08  | 0.45  | 1.50  | < 0.1 | 0.22  |
| Indeno(1,2,3-cd)pyrene | mg/kg | < 0.1 | MCERTS        | 1.90  | 0.38  | 1.12  | < 0.1 | 0.18  |
| Dibenz(a,h)anthracene  | mg/kg | < 0.1 | MCERTS        | 0.26  | < 0.1 | 0.20  | < 0.1 | < 0.1 |
| Benzo(ghi)perylene     | mg/kg | < 0.1 | MCERTS        | 1.41  | 0.31  | 0.90  | < 0.1 | 0.14  |
| Total EPA-16 PAHs      | mg/kg | < 1.6 | MCERTS        | 67.4  | 4.2   | 10.7  | < 1.6 | 2     |

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



DETS Ltd  
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# Soil Analysis Certificate - Speciated PAHs

|                                     |                 |               |               |  |  |  |
|-------------------------------------|-----------------|---------------|---------------|--|--|--|
| DETS Report No: 20-00385            | Date Sampled    | 10/01/20      | 10/01/20      |  |  |  |
| Constructive Evaluation Ltd         | Time Sampled    | None Supplied | None Supplied |  |  |  |
| Site Reference: Seftor School House | TP / BH No      | WS7           | WS7           |  |  |  |
| Project / Job Ref: 19.1295          | Additional Refs | None Supplied | None Supplied |  |  |  |
| Order No: 19.1295/ME                | Depth (m)       | 0.50          | 1.00          |  |  |  |
| Reporting Date: 21/01/2020          | DETS Sample No  | 456394        | 456395        |  |  |  |

| Determinand            | Unit  | RL    | Accreditation |       |       |  |  |
|------------------------|-------|-------|---------------|-------|-------|--|--|
| Naphthalene            | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 |  |  |
| Acenaphthylene         | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 |  |  |
| Acenaphthene           | mg/kg | < 0.1 | MCERTS        | < 0.1 | < 0.1 |  |  |
| Fluorene               | mg/kg | < 0.1 | MCERTS        | 0.12  | < 0.1 |  |  |
| Phenanthrene           | mg/kg | < 0.1 | MCERTS        | 1.88  | < 0.1 |  |  |
| Anthracene             | mg/kg | < 0.1 | MCERTS        | 0.63  | < 0.1 |  |  |
| Fluoranthene           | mg/kg | < 0.1 | MCERTS        | 7.20  | 0.16  |  |  |
| Pyrene                 | mg/kg | < 0.1 | MCERTS        | 6.68  | 0.15  |  |  |
| Benzo(a)anthracene     | mg/kg | < 0.1 | MCERTS        | 4.57  | < 0.1 |  |  |
| Chrysene               | mg/kg | < 0.1 | MCERTS        | 4.14  | < 0.1 |  |  |
| Benzo(b)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 7.03  | < 0.1 |  |  |
| Benzo(k)fluoranthene   | mg/kg | < 0.1 | MCERTS        | 2.14  | < 0.1 |  |  |
| Benzo(a)pyrene         | mg/kg | < 0.1 | MCERTS        | 5.62  | < 0.1 |  |  |
| Indeno(1,2,3-cd)pyrene | mg/kg | < 0.1 | MCERTS        | 4.05  | < 0.1 |  |  |
| Dibenz(a,h)anthracene  | mg/kg | < 0.1 | MCERTS        | 0.68  | < 0.1 |  |  |
| Benzo(ghi)perylene     | mg/kg | < 0.1 | MCERTS        | 2.99  | < 0.1 |  |  |
| Total EPA-16 PAHs      | mg/kg | < 1.6 | MCERTS        | 47.7  | < 1.6 |  |  |

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



**DETS Ltd**  
**Unit 1, Rose Lane Industrial Estate**  
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**Maidstone**  
**Kent ME17 2JN**



**Soil Analysis Certificate - TPH LQM Banded**

|                                            |                        |               |               |               |               |               |
|--------------------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Site Reference: Seftor School House</b> | <b>TP / BH No</b>      | WS1           | WS1           | WS2           | WS2           | WS3           |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.10          | 0.80          | 0.30          | 1.20          | 0.60          |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456384        | 456385        | 456386        | 456387        | 456388        |

| Determinand          | Unit  | RL     | Accreditation |        |        |        |        |        |
|----------------------|-------|--------|---------------|--------|--------|--------|--------|--------|
| Aliphatic >C5 - C6   | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Aliphatic >C6 - C8   | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic >C8 - C10  | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aliphatic >C10 - C12 | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aliphatic >C12 - C16 | mg/kg | < 3    | MCERTS        | < 3    | < 3    | < 3    | < 3    | < 3    |
| Aliphatic >C16 - C35 | mg/kg | < 10   | MCERTS        | 65     | < 10   | < 10   | < 10   | < 10   |
| Aliphatic >C35 - C44 | mg/kg | < 10   | NONE          | < 10   | < 10   | < 10   | < 10   | < 10   |
| Aliphatic (C5 - C44) | mg/kg | < 30   | NONE          | 65     | < 30   | < 30   | < 30   | < 30   |
| Aromatic >C5 - C7    | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Aromatic >C7 - C8    | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic >C8 - C10   | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C10 - C12  | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C12 - C16  | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C16 - C21  | mg/kg | < 3    | MCERTS        | < 3    | < 3    | 22     | < 3    | < 3    |
| Aromatic >C21 - C35  | mg/kg | < 10   | MCERTS        | < 10   | < 10   | 57     | < 10   | < 10   |
| Aromatic >C35 - C44  | mg/kg | < 10   | NONE          | < 10   | < 10   | < 10   | < 10   | < 10   |
| Aromatic (>C5 - C44) | mg/kg | < 30   | NONE          | < 30   | < 30   | 79     | < 30   | < 30   |
| Total >C5 - C44      | mg/kg | < 60   | NONE          | 65     | < 60   | 79     | < 60   | < 60   |

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



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**Rose Lane**  
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**Maidstone**  
**Kent ME17 2TN**



**Soil Analysis Certificate - TPH LQM Banded**

|                                            |                        |               |               |               |               |               |
|--------------------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Site Reference: Seftor School House</b> | <b>TP / BH No</b>      | WS4           | WS4           | WS5           | WS5           | WS6           |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.40          | 1.20          | 0.50          | 0.90          | 0.20          |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456389        | 456390        | 456391        | 456392        | 456393        |

| Determinand          | Unit  | RL     | Accreditation |        |        |        |        |        |
|----------------------|-------|--------|---------------|--------|--------|--------|--------|--------|
| Aliphatic >C5 - C6   | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Aliphatic >C6 - C8   | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aliphatic >C8 - C10  | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aliphatic >C10 - C12 | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aliphatic >C12 - C16 | mg/kg | < 3    | MCERTS        | < 3    | < 3    | < 3    | < 3    | < 3    |
| Aliphatic >C16 - C35 | mg/kg | < 10   | MCERTS        | < 10   | < 10   | < 10   | < 10   | < 10   |
| Aliphatic >C35 - C44 | mg/kg | < 10   | NONE          | < 10   | < 10   | < 10   | < 10   | < 10   |
| Aliphatic (C5 - C44) | mg/kg | < 30   | NONE          | < 30   | < 30   | < 30   | < 30   | < 30   |
| Aromatic >C5 - C7    | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Aromatic >C7 - C8    | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Aromatic >C8 - C10   | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C10 - C12  | mg/kg | < 2    | MCERTS        | < 2    | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C12 - C16  | mg/kg | < 2    | MCERTS        | 6      | < 2    | < 2    | < 2    | < 2    |
| Aromatic >C16 - C21  | mg/kg | < 3    | MCERTS        | 50     | < 3    | 5      | < 3    | < 3    |
| Aromatic >C21 - C35  | mg/kg | < 10   | MCERTS        | 71     | < 10   | 57     | < 10   | < 10   |
| Aromatic >C35 - C44  | mg/kg | < 10   | NONE          | 16     | < 10   | 20     | < 10   | < 10   |
| Aromatic (>C5 - C44) | mg/kg | < 30   | NONE          | 144    | < 30   | 83     | < 30   | < 30   |
| Total >C5 - C44      | mg/kg | < 60   | NONE          | 144    | < 60   | 83     | < 60   | < 60   |

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



**DETS Ltd**  
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**Maidstone**  
**Kent ME17 2JN**



**Soil Analysis Certificate - TPH LQM Banded**

|                                            |                        |               |               |  |  |  |
|--------------------------------------------|------------------------|---------------|---------------|--|--|--|
| <b>DETS Report No: 20-00385</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      |  |  |  |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied |  |  |  |
| <b>Site Reference: Seftor School House</b> | <b>TP / BH No</b>      | WS7           | WS7           |  |  |  |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied |  |  |  |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.50          | 1.00          |  |  |  |
| <b>Reporting Date: 21/01/2020</b>          | <b>DETS Sample No</b>  | 456394        | 456395        |  |  |  |

| Determinand          | Unit  | RL     | Accreditation |        |        |  |  |  |
|----------------------|-------|--------|---------------|--------|--------|--|--|--|
| Aliphatic >C5 - C6   | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 |  |  |  |
| Aliphatic >C6 - C8   | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 |  |  |  |
| Aliphatic >C8 - C10  | mg/kg | < 2    | MCERTS        | < 2    | < 2    |  |  |  |
| Aliphatic >C10 - C12 | mg/kg | < 2    | MCERTS        | < 2    | < 2    |  |  |  |
| Aliphatic >C12 - C16 | mg/kg | < 3    | MCERTS        | < 3    | < 3    |  |  |  |
| Aliphatic >C16 - C35 | mg/kg | < 10   | MCERTS        | < 10   | < 10   |  |  |  |
| Aliphatic >C35 - C44 | mg/kg | < 10   | NONE          | < 10   | < 10   |  |  |  |
| Aliphatic (C5 - C44) | mg/kg | < 30   | NONE          | < 30   | < 30   |  |  |  |
| Aromatic >C5 - C7    | mg/kg | < 0.01 | NONE          | < 0.01 | < 0.01 |  |  |  |
| Aromatic >C7 - C8    | mg/kg | < 0.05 | NONE          | < 0.05 | < 0.05 |  |  |  |
| Aromatic >C8 - C10   | mg/kg | < 2    | MCERTS        | < 2    | < 2    |  |  |  |
| Aromatic >C10 - C12  | mg/kg | < 2    | MCERTS        | < 2    | < 2    |  |  |  |
| Aromatic >C12 - C16  | mg/kg | < 2    | MCERTS        | < 2    | < 2    |  |  |  |
| Aromatic >C16 - C21  | mg/kg | < 3    | MCERTS        | 34     | < 3    |  |  |  |
| Aromatic >C21 - C35  | mg/kg | < 10   | MCERTS        | 153    | < 10   |  |  |  |
| Aromatic >C35 - C44  | mg/kg | < 10   | NONE          | 21     | < 10   |  |  |  |
| Aromatic (>C5 - C44) | mg/kg | < 30   | NONE          | 208    | < 30   |  |  |  |
| Total >C5 - C44      | mg/kg | < 60   | NONE          | 208    | < 60   |  |  |  |

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



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



| Soil Analysis Certificate - BTEX / MTBE |                 |               |               |               |               |               |
|-----------------------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| DETS Report No: 20-00385                | Date Sampled    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| Constructive Evaluation Ltd             | Time Sampled    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Site Reference: Sefter School House     | TP / BH No      | WS1           | WS1           | WS2           | WS2           | WS3           |
| Project / Job Ref: 19.1295              | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Order No: 19.1295/ME                    | Depth (m)       | 0.10          | 0.80          | 0.30          | 1.20          | 0.60          |
| Reporting Date: 21/01/2020              | DETS Sample No  | 456384        | 456385        | 456386        | 456387        | 456388        |

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

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



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



| Soil Analysis Certificate - BTEX / MTBE |                 |               |               |               |               |               |
|-----------------------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| DETS Report No: 20-00385                | Date Sampled    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| Constructive Evaluation Ltd             | Time Sampled    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Site Reference: Sefter School House     | TP / BH No      | WS4           | WS4           | WS5           | WS5           | WS6           |
| Project / Job Ref: 19.1295              | Additional Refs | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Order No: 19.1295/ME                    | Depth (m)       | 0.40          | 1.20          | 0.50          | 0.90          | 0.20          |
| Reporting Date: 21/01/2020              | DETS Sample No  | 456389        | 456390        | 456391        | 456392        | 456393        |

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

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



DETS Ltd  
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| Soil Analysis Certificate - BTEX / MTBE |                 |               |               |  |  |  |
|-----------------------------------------|-----------------|---------------|---------------|--|--|--|
| DETS Report No: 20-00385                | Date Sampled    | 10/01/20      | 10/01/20      |  |  |  |
| Constructive Evaluation Ltd             | Time Sampled    | None Supplied | None Supplied |  |  |  |
| Site Reference: Sefter School House     | TP / BH No      | WS7           | WS7           |  |  |  |
| Project / Job Ref: 19.1295              | Additional Refs | None Supplied | None Supplied |  |  |  |
| Order No: 19.1295/ME                    | Depth (m)       | 0.50          | 1.00          |  |  |  |
| Reporting Date: 21/01/2020              | DETS Sample No  | 456394        | 456395        |  |  |  |

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

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



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



| Waste Acceptance Criteria Analytical Certificate - BS EN 12457-3                                                                                                                                                                                                                                                               |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--|---------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------|-------|-------------------------------------------|--|--|----------------------|---------------------------------------------------------------|--------------------------|----|----|----|----|----|-----|---|----|----|---|----|----|-----|----|----|-----|----|----|----|----|----|----|-----------------|-----------------|
| <b>DETS Report No: 20-00385</b>                                                                                                                                                                                                                                                                                                |                                                               | <b>Date Sampled</b>      |  | 10/01/20      |             | <table border="1"> <thead> <tr> <th colspan="3">Landfill Waste Acceptance Criteria Limits</th> </tr> <tr> <th>Inert Waste Landfill</th> <th>Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill</th> <th>Hazardous Waste Landfill</th> </tr> </thead> <tbody> <tr> <td>3%</td> <td>5%</td> <td>6%</td> </tr> <tr> <td>--</td> <td>--</td> <td>10%</td> </tr> <tr> <td>6</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>--</td> <td>--</td> </tr> <tr> <td>500</td> <td>--</td> <td>--</td> </tr> <tr> <td>100</td> <td>--</td> <td>--</td> </tr> <tr> <td>--</td> <td>&gt;6</td> <td>--</td> </tr> <tr> <td>--</td> <td>To be evaluated</td> <td>To be evaluated</td> </tr> </tbody> </table> |                        |                                                                                             |       | Landfill Waste Acceptance Criteria Limits |  |  | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill | 3% | 5% | 6% | -- | -- | 10% | 6 | -- | -- | 1 | -- | -- | 500 | -- | -- | 100 | -- | -- | -- | >6 | -- | -- | To be evaluated | To be evaluated |
| Landfill Waste Acceptance Criteria Limits                                                                                                                                                                                                                                                                                      |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Inert Waste Landfill                                                                                                                                                                                                                                                                                                           | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 3%                                                                                                                                                                                                                                                                                                                             | 5%                                                            | 6%                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | --                                                            | 10%                      |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 6                                                                                                                                                                                                                                                                                                                              | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 1                                                                                                                                                                                                                                                                                                                              | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 500                                                                                                                                                                                                                                                                                                                            | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 100                                                                                                                                                                                                                                                                                                                            | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | >6                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | To be evaluated                                               | To be evaluated          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Constructive Evaluation Ltd</b>                                                                                                                                                                                                                                                                                             |                                                               | <b>Time Sampled</b>      |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Site Reference: Sefter School House</b>                                                                                                                                                                                                                                                                                     |                                                               | <b>TP / BH No</b>        |  | WAC1          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Project / Job Ref: 19.1295</b>                                                                                                                                                                                                                                                                                              |                                                               | <b>Additional Refs</b>   |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Order No: 19.1295/ME</b>                                                                                                                                                                                                                                                                                                    |                                                               | <b>Depth (m)</b>         |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Reporting Date: 21/01/2020</b>                                                                                                                                                                                                                                                                                              |                                                               | <b>DETS Sample No</b>    |  | 456382        |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Determinand</b>                                                                                                                                                                                                                                                                                                             |                                                               | <b>Unit</b>              |  | <b>MDL</b>    |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| TOC <sup>MU</sup>                                                                                                                                                                                                                                                                                                              |                                                               | %                        |  | < 0.1         |             | 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Loss on Ignition                                                                                                                                                                                                                                                                                                               |                                                               | %                        |  | < 0.01        |             | 3.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| BTEX <sup>MU</sup>                                                                                                                                                                                                                                                                                                             |                                                               | mg/kg                    |  | < 0.05        |             | < 0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sum of PCBs                                                                                                                                                                                                                                                                                                                    |                                                               | mg/kg                    |  | < 0.1         |             | < 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Mineral Oil <sup>MU</sup>                                                                                                                                                                                                                                                                                                      |                                                               | mg/kg                    |  | < 10          |             | < 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Total PAH <sup>MU</sup>                                                                                                                                                                                                                                                                                                        |                                                               | mg/kg                    |  | < 1.7         |             | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| pH <sup>MU</sup>                                                                                                                                                                                                                                                                                                               |                                                               | pH Units                 |  | N/a           |             | 8.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Acid Neutralisation Capacity                                                                                                                                                                                                                                                                                                   |                                                               | mol/kg (+/-)             |  | < 1           |             | 1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Eluate Analysis</b>                                                                                                                                                                                                                                                                                                         |                                                               |                          |  | <b>2:1</b>    | <b>8:1</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Cumulative 10:1</b> | <b>Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)</b> |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  | <b>mg/l</b>   | <b>mg/l</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>mg/kg</b>           |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Arsenic <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.01        | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.5                                                                                         | 2     | 25                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Barium <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 0.02          | < 0.02      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.1                    | 20                                                                                          | 100   | 300                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Cadmium <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.0005      | < 0.0005    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.02                 | 0.04                                                                                        | 1     | 5                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Chromium <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.013         | 0.006       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.20                 | 0.5                                                                                         | 10    | 70                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Copper <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | < 0.01        | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.5                  | 2                                                                                           | 50    | 100                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Mercury <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.0005      | < 0.0005    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.005                | 0.01                                                                                        | 0.2   | 2                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Molybdenum <sup>U</sup>                                                                                                                                                                                                                                                                                                        |                                                               |                          |  | 0.009         | 0.003       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.1                  | 0.5                                                                                         | 10    | 30                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Nickel <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | < 0.007       | < 0.007     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.4                                                                                         | 10    | 40                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Lead <sup>U</sup>                                                                                                                                                                                                                                                                                                              |                                                               |                          |  | < 0.005       | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.5                                                                                         | 10    | 50                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Antimony <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.006         | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.05                 | 0.06                                                                                        | 0.7   | 5                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Selenium <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | < 0.005       | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.05                 | 0.1                                                                                         | 0.5   | 7                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Zinc <sup>U</sup>                                                                                                                                                                                                                                                                                                              |                                                               |                          |  | < 0.005       | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 4                                                                                           | 50    | 200                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Chloride <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 9             | 4           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46                     | 800                                                                                         | 15000 | 25000                                     |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Fluoride <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.7           | 0.5         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.3                    | 10                                                                                          | 150   | 500                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sulphate <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 192           | 17          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 393                    | 1000                                                                                        | 20000 | 50000                                     |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| TDS                                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 230           | 87          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1053                   | 4000                                                                                        | 60000 | 100000                                    |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Phenol Index                                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | < 0.01        | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.5                  | 1                                                                                           | -     | -                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| DOC                                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 9.6           | 7.2         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 74.9                   | 500                                                                                         | 800   | 1000                                      |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Leach Test Information</b>                                                                                                                                                                                                                                                                                                  |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sample Mass (kg)                                                                                                                                                                                                                                                                                                               |                                                               |                          |  | 0.20          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Dry Matter (%)                                                                                                                                                                                                                                                                                                                 |                                                               |                          |  | 86.5          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Moisture (%)                                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | 15.6          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Stage 1</b>                                                                                                                                                                                                                                                                                                                 |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Volume Eluate L2 (litres)                                                                                                                                                                                                                                                                                                      |                                                               |                          |  | 0.32          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Filtered Eluate VE1 (litres)                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | 0.22          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <p>Results are expressed on a dry weight basis, after correction for moisture content where applicable</p> <p>Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation</p> <p>M Denotes MCERTS accredited test</p> <p>U Denotes ISO17025 accredited test</p> |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |



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



| Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3                                                                                                                                                                                                                                                               |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--|---------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------|-------|-------------------------------------------|--|--|----------------------|---------------------------------------------------------------|--------------------------|----|----|----|----|----|-----|---|----|----|---|----|----|-----|----|----|-----|----|----|----|----|----|----|-----------------|-----------------|
| <b>DETS Report No: 20-00385</b>                                                                                                                                                                                                                                                                                                |                                                               | <b>Date Sampled</b>      |  | 10/01/20      |             | <table border="1"> <thead> <tr> <th colspan="3">Landfill Waste Acceptance Criteria Limits</th> </tr> <tr> <th>Inert Waste Landfill</th> <th>Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill</th> <th>Hazardous Waste Landfill</th> </tr> </thead> <tbody> <tr> <td>3%</td> <td>5%</td> <td>6%</td> </tr> <tr> <td>--</td> <td>--</td> <td>10%</td> </tr> <tr> <td>6</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>--</td> <td>--</td> </tr> <tr> <td>500</td> <td>--</td> <td>--</td> </tr> <tr> <td>100</td> <td>--</td> <td>--</td> </tr> <tr> <td>--</td> <td>&gt;6</td> <td>--</td> </tr> <tr> <td>--</td> <td>To be evaluated</td> <td>To be evaluated</td> </tr> </tbody> </table> |                        |                                                                                             |       | Landfill Waste Acceptance Criteria Limits |  |  | Inert Waste Landfill | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill | 3% | 5% | 6% | -- | -- | 10% | 6 | -- | -- | 1 | -- | -- | 500 | -- | -- | 100 | -- | -- | -- | >6 | -- | -- | To be evaluated | To be evaluated |
| Landfill Waste Acceptance Criteria Limits                                                                                                                                                                                                                                                                                      |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Inert Waste Landfill                                                                                                                                                                                                                                                                                                           | Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill | Hazardous Waste Landfill |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 3%                                                                                                                                                                                                                                                                                                                             | 5%                                                            | 6%                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | --                                                            | 10%                      |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 6                                                                                                                                                                                                                                                                                                                              | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 1                                                                                                                                                                                                                                                                                                                              | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 500                                                                                                                                                                                                                                                                                                                            | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| 100                                                                                                                                                                                                                                                                                                                            | --                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | >6                                                            | --                       |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| --                                                                                                                                                                                                                                                                                                                             | To be evaluated                                               | To be evaluated          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Constructive Evaluation Ltd</b>                                                                                                                                                                                                                                                                                             |                                                               | <b>Time Sampled</b>      |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Site Reference: Sefter School House</b>                                                                                                                                                                                                                                                                                     |                                                               | <b>TP / BH No</b>        |  | WAC2          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Project / Job Ref: 19.1295</b>                                                                                                                                                                                                                                                                                              |                                                               | <b>Additional Refs</b>   |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Order No: 19.1295/ME</b>                                                                                                                                                                                                                                                                                                    |                                                               | <b>Depth (m)</b>         |  | None Supplied |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Reporting Date: 21/01/2020</b>                                                                                                                                                                                                                                                                                              |                                                               | <b>DETS Sample No</b>    |  | 456383        |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Determinand</b>                                                                                                                                                                                                                                                                                                             | <b>Unit</b>                                                   | <b>MDL</b>               |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| TOC <sup>MU</sup>                                                                                                                                                                                                                                                                                                              | %                                                             | < 0.1                    |  | 1             |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Loss on Ignition                                                                                                                                                                                                                                                                                                               | %                                                             | < 0.01                   |  | 2.70          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| BTEX <sup>MU</sup>                                                                                                                                                                                                                                                                                                             | mg/kg                                                         | < 0.05                   |  | < 0.05        |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sum of PCBs                                                                                                                                                                                                                                                                                                                    | mg/kg                                                         | < 0.1                    |  | < 0.1         |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Mineral Oil <sup>MU</sup>                                                                                                                                                                                                                                                                                                      | mg/kg                                                         | < 10                     |  | < 10          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Total PAH <sup>MU</sup>                                                                                                                                                                                                                                                                                                        | mg/kg                                                         | < 1.7                    |  | 47.2          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| pH <sup>MU</sup>                                                                                                                                                                                                                                                                                                               | pH Units                                                      | N/a                      |  | 8.3           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Acid Neutralisation Capacity                                                                                                                                                                                                                                                                                                   | mol/kg (+/-)                                                  | < 1                      |  | < 1           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Eluate Analysis</b>                                                                                                                                                                                                                                                                                                         |                                                               |                          |  | <b>2:1</b>    | <b>8:1</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Cumulative 10:1</b> | <b>Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)</b> |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  | <b>mg/l</b>   | <b>mg/l</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>mg/kg</b>           |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Arsenic <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.01        | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.5                                                                                         | 2     | 25                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Barium <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | < 0.02        | < 0.02      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.2                    | 20                                                                                          | 100   | 300                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Cadmium <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.0005      | < 0.0005    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.02                 | 0.04                                                                                        | 1     | 5                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Chromium <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.020         | 0.007       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.20                 | 0.5                                                                                         | 10    | 70                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Copper <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 0.02          | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.5                  | 2                                                                                           | 50    | 100                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Mercury <sup>U</sup>                                                                                                                                                                                                                                                                                                           |                                                               |                          |  | < 0.0005      | < 0.0005    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.005                | 0.01                                                                                        | 0.2   | 2                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Molybdenum <sup>U</sup>                                                                                                                                                                                                                                                                                                        |                                                               |                          |  | 0.008         | 0.004       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.1                  | 0.5                                                                                         | 10    | 30                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Nickel <sup>U</sup>                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | < 0.007       | < 0.007     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.4                                                                                         | 10    | 40                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Lead <sup>U</sup>                                                                                                                                                                                                                                                                                                              |                                                               |                          |  | < 0.005       | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 0.5                                                                                         | 10    | 50                                        |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Antimony <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.019         | 0.008       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.09                   | 0.008                                                                                       | 0.7   | 5                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Selenium <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | < 0.005       | < 0.005     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.05                 | 0.1                                                                                         | 0.5   | 7                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Zinc <sup>U</sup>                                                                                                                                                                                                                                                                                                              |                                                               |                          |  | 0.030         | 0.007       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.2                  | 4                                                                                           | 50    | 200                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Chloride <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 3             | 7           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 63                     | 800                                                                                         | 15000 | 25000                                     |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Fluoride <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 0.9           | 0.7         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7.1                    | 10                                                                                          | 150   | 500                                       |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sulphate <sup>U</sup>                                                                                                                                                                                                                                                                                                          |                                                               |                          |  | 12            | 7           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 69                     | 1000                                                                                        | 20000 | 50000                                     |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| TDS                                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 122           | 87          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 894                    | 4000                                                                                        | 60000 | 100000                                    |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Phenol Index                                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | < 0.01        | < 0.01      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.5                  | 1                                                                                           | -     | -                                         |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| DOC                                                                                                                                                                                                                                                                                                                            |                                                               |                          |  | 12.6          | 20.2        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 197                    | 500                                                                                         | 800   | 1000                                      |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Leach Test Information</b>                                                                                                                                                                                                                                                                                                  |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Sample Mass (kg)                                                                                                                                                                                                                                                                                                               |                                                               |                          |  | 0.20          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Dry Matter (%)                                                                                                                                                                                                                                                                                                                 |                                                               |                          |  | 85.9          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Moisture (%)                                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | 16.4          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <b>Stage 1</b>                                                                                                                                                                                                                                                                                                                 |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Volume Eluate L2 (litres)                                                                                                                                                                                                                                                                                                      |                                                               |                          |  | 0.32          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| Filtered Eluate VE1 (litres)                                                                                                                                                                                                                                                                                                   |                                                               |                          |  | 0.12          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
|                                                                                                                                                                                                                                                                                                                                |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |
| <p>Results are expressed on a dry weight basis, after correction for moisture content where applicable</p> <p>Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation</p> <p>M Denotes MCERTS accredited test</p> <p>U Denotes ISO17025 accredited test</p> |                                                               |                          |  |               |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                                                             |       |                                           |  |  |                      |                                                               |                          |    |    |    |    |    |     |   |    |    |   |    |    |     |    |    |     |    |    |    |    |    |    |                 |                 |



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



#### Soil Analysis Certificate - Sample Descriptions

DETS Report No: 20-00385

Constructive Evaluation Ltd

Site Reference: Sefton School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Reporting Date: 21/01/2020

| DETS Sample No | TP / BH No | Additional Refs | Depth (m)     | Moisture Content (%) | Sample Matrix Description                   |
|----------------|------------|-----------------|---------------|----------------------|---------------------------------------------|
| 456382         | WAC1       | None Supplied   | None Supplied | 13.5                 | Brown loamy sand with stones and concrete   |
| 456383         | WAC2       | None Supplied   | None Supplied | 14.1                 | Brown loamy sand with stones and concrete   |
| 456384         | WS1        | None Supplied   | 0.10          | 17                   | Brown loamy sand with stones and vegetation |
| 456385         | WS1        | None Supplied   | 0.80          | 10.8                 | Brown loamy sand with stones                |
| 456386         | WS2        | None Supplied   | 0.30          | 12.9                 | Brown loamy sand with brick and concrete    |
| 456387         | WS2        | None Supplied   | 1.20          | 9.7                  | Brown sandy gravel with stones              |
| 456388         | WS3        | None Supplied   | 0.60          | 15                   | Brown loamy sand                            |
| 456389         | WS4        | None Supplied   | 0.40          | 11.7                 | Brown loamy sand with stones and concrete   |
| 456390         | WS4        | None Supplied   | 1.20          | 15.6                 | Brown loamy clay with stones                |
| 456391         | WS5        | None Supplied   | 0.50          | 10.6                 | Brown loamy sand with stones and concrete   |
| 456392         | WS5        | None Supplied   | 0.90          | 10.1                 | Brown sandy clay with stones                |
| 456393         | WS6        | None Supplied   | 0.20          | 13.4                 | Brown loamy sand with stones                |
| 456394         | WS7        | None Supplied   | 0.50          | 14.4                 | Brown loamy sand with stones and concrete   |
| 456395         | WS7        | None Supplied   | 1.00          | 11.8                 | Light brown sandy clay with stones          |

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

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

Unsuitable Sample <sup>1/5</sup>



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



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

**DETS Report No: 20-00385**

**Constructive Evaluation Ltd**

**Site Reference: Sefter School House**

**Project / Job Ref: 19.1295**

**Order No: 19.1295/ME**

**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 dphenylcarbazine 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**

| Parameter                    | Matrix Type | Suite Reference | Uncertainty Measurement | Unit  |
|------------------------------|-------------|-----------------|-------------------------|-------|
| TOC                          | Soil        | BS EN 12457     | 7                       | %     |
| Loss on Ignition             | Soil        | BS EN 12457     | 17                      | %     |
| BTEX                         | Soil        | BS EN 12457     | 14                      | %     |
| Sum of PCBs                  | Soil        | BS EN 12457     | 23                      | %     |
| Mineral Oil                  | Soil        | BS EN 12457     | 9                       | %     |
| Total PAH                    | Soil        | BS EN 12457     | 20                      | %     |
| pH                           | Soil        | BS EN 12457     | 0.23                    | Units |
| Acid Neutralisation Capacity | Soil        | BS EN 12457     | 18                      | %     |
| Arsenic                      | Leachate    | BS EN 12457     | 10                      | %     |
| Barium                       | Leachate    | BS EN 12457     | 10                      | %     |
| Cadmium                      | Leachate    | BS EN 12457     | 7                       | %     |
| Chromium                     | Leachate    | BS EN 12457     | 7                       | %     |
| Copper                       | Leachate    | BS EN 12457     | 12                      | %     |
| Mercury                      | Leachate    | BS EN 12457     | 12                      | %     |
| Molybdenum                   | Leachate    | BS EN 12457     | 9                       | %     |
| Nickel                       | Leachate    | BS EN 12457     | 10                      | %     |
| Lead                         | Leachate    | BS EN 12457     | 5                       | %     |
| Antimony                     | Leachate    | BS EN 12457     | 9                       | %     |
| Selenium                     | Leachate    | BS EN 12457     | 10                      | %     |
| Zinc                         | Leachate    | BS EN 12457     | 7                       | %     |
| Chloride                     | Leachate    | BS EN 12457     | 8                       | %     |
| Fluoride                     | Leachate    | BS EN 12457     | 9                       | %     |
| Sulphate                     | Leachate    | BS EN 12457     | 9                       | %     |
| TDS                          | Leachate    | BS EN 12457     | 12                      | %     |
| Phenol Index                 | Leachate    | BS EN 12457     | 14                      | %     |
| DOC                          | Leachate    | BS EN 12457     | 10                      | %     |
| Clay Content                 | Soil        | BS 3882: 2015   | 15                      | %     |
| Silt Content                 | Soil        | BS 3882: 2015   | 14                      | %     |
| Sand Content                 | Soil        | BS 3882: 2015   | 13                      | %     |
| Loss on Ignition             | Soil        | BS 3882: 2015   | 17                      | %     |
| pH                           | Soil        | BS 3882: 2015   | 0.23                    | Units |
| Carbonate                    | Soil        | BS 3882: 2015   | 16                      | %     |
| Total Nitrogen               | Soil        | BS 3882: 2015   | 12                      | %     |
| Phosphorus (Extractable)     | Soil        | BS 3882: 2015   | 24                      | %     |
| Potassium (Extractable)      | Soil        | BS 3882: 2015   | 20                      | %     |
| Magnesium (Extractable)      | Soil        | BS 3882: 2015   | 26                      | %     |
| Zinc                         | Soil        | BS 3882: 2015   | 7                       | %     |
| Copper                       | Soil        | BS 3882: 2015   | 12                      | %     |
| Nickel                       | Soil        | BS 3882: 2015   | 10                      | %     |
| Available Sodium             | Soil        | BS 3882: 2015   | 23                      | %     |
| Available Calcium            | Soil        | BS 3882: 2015   | 23                      | %     |
| Electrical Conductivity      | Soil        | BS 3882: 2015   | 10                      | %     |



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Kent  
ME17 2TN

## **DETS Report No: 20-01072**

**Site Reference:** Sefter School House

**Project / Job Ref:** 19.1295

**Order No:** 19.1295/ME

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

**Sample Scheduled Date:** 29/01/2020

**Report Issue Number:** 1

**Reporting Date:** 31/01/2020

**Authorised by:**

Ela Mysiara  
Quality Manager

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**DETS Ltd**  
**Unit 1, Rose Lane Industrial Estate**  
**Rose Lane**  
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| Soil Analysis Certificate                  |                        |               |               |               |               |               |
|--------------------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>DETS Report No: 20-01072</b>            | <b>Date Sampled</b>    | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      | 10/01/20      |
| <b>Constructive Evaluation Ltd</b>         | <b>Time Sampled</b>    | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Site Reference: Sefton School House</b> | <b>TP / BH No</b>      | WS2           | WS4           | WS4           | WS5           | WS6           |
| <b>Project / Job Ref: 19.1295</b>          | <b>Additional Refs</b> | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| <b>Order No: 19.1295/ME</b>                | <b>Depth (m)</b>       | 0.30          | 0.40          | 1.20          | 0.50          | 0.20          |
| <b>Reporting Date: 31/01/2020</b>          | <b>DETS Sample No</b>  | 459292        | 459293        | 459294        | 459295        | 459296        |

| Determinand                            | Unit | RL      | Accreditation |         |         |         |       |       |
|----------------------------------------|------|---------|---------------|---------|---------|---------|-------|-------|
| Asbestos Quantification <sup>(S)</sup> | %    | < 0.001 | ISO 17025     | < 0.001 | < 0.001 | < 0.001 | 0.002 | 0.003 |

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



| Soil Analysis Certificate           |                 |               |  |  |  |  |
|-------------------------------------|-----------------|---------------|--|--|--|--|
| DETS Report No: 20-01072            | Date Sampled    | 10/01/20      |  |  |  |  |
| Constructive Evaluation Ltd         | Time Sampled    | None Supplied |  |  |  |  |
| Site Reference: Sefton School House | TP / BH No      | WS7           |  |  |  |  |
| Project / Job Ref: 19.1295          | Additional Refs | None Supplied |  |  |  |  |
| Order No: 19.1295/ME                | Depth (m)       | 0.50          |  |  |  |  |
| Reporting Date: 31/01/2020          | DETS Sample No  | 459297        |  |  |  |  |

| Determinand                            | Unit | RL      | Accreditation |       |  |  |  |
|----------------------------------------|------|---------|---------------|-------|--|--|--|
| Asbestos Quantification <sup>(S)</sup> | %    | < 0.001 | ISO 17025     | 0.001 |  |  |  |

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



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### Soil Analysis Certificate - Methodology & Miscellaneous Information

**DETS Report No: 20-01072**

**Constructive Evaluation Ltd**

**Site Reference: Sefter School House**

**Project / Job Ref: 19.1295**

**Order No: 19.1295/ME**

**Reporting Date: 31/01/2020**

| 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**