



Torsion Projects  
Tomlinson House  
Capitol Boulevard  
Morley  
Leeds  
LS27 OTS

31<sup>st</sup> July 2025

Project Ref: AP3906

FAO Tim Jones

Dear Sir,

**Development at Thomas Street, Lindley, Huddersfield**  
**Environmental Capping**

On the 30<sup>th</sup> July 2025, 3 inspection pits were undertaken from the areas of soft landscaping within the site to determine if the depth of the imported clean fill meets the minimum 600mm requirements set out in the verification report.

Attached to this letter is a location plan of the inspection pits, photographic evidence of the inspection pits and chemical results for the imported clean fill.

**Results**

The pits were visually inspected for any deleterious materials and their overall depth from surface level. No visible deleterious material was recorded within the inspection pits on site and olfactory signs of contamination were not recorded.

Tim O'Hare Associates produced a Topsoil Analysis Report for the imported clean fill which is attached at the end of this report in Appendix B. The imported clean fill was sourced from Barnsdale Bar Quarry and chemically tested in accordance with British Standard for Topsoil (BS3882:2015 Specification for Topsoil) along with the following contaminants;

- Heavy Metals;
- Total Cyanide and total (mono) phenols;
- Aromatic and Aliphatic TPH (C5-C35) banding);
- Speciated PAHs (USEPA 16 suite);
- BTEX; and
- Asbestos Screen

It was concluded that the topsoil would be suitable for general landscape purposes. A comparison of the chemical results against the soil guideline values for a residential development with plant uptake is provided in Appendix C.

From inspection of the pits the imported clean fill was recorded in each position to be a minimum of 700mm in depth with the centre courtyard recording a depth of 800mm. This meets the requirement of a minimum of 600mm and is therefore considered suitable. Photographic evidence is included in Appendix D.

geotechnical

geo-environmental

mining

ground investigation



**Head Office**

Innovation Centre,  
1 Ainslie Road,  
Hillington Park,  
Glasgow, G52 4RU

**Edinburgh Office**

Bonnington Bond,  
2 Anderson Place,  
Edinburgh, EH6 5NP

**Southern Office**

Mintworks,  
124 Highgate,  
Kendal, LA9 4HE

0330 800 1060

Ardmore Point Limited  
Registered Co SC 612632  
VAT : 309519788

quotes@ardmorepoint.com

www.ardmorepoint.com



### Conclusions

The chemical results and inspection of the pits meets the verification requirements set out in the Ardmore Point Ltd report 'Phase 3 Remediation Strategy Report Thomas Street Lindley Huddersfield'. As such, we are satisfied that the requirements for remedial measures has been met.

We trust the above meets with your requirements at this time, any queries or you require any further information please do not hesitate to contact ourselves.

Kind Regards,

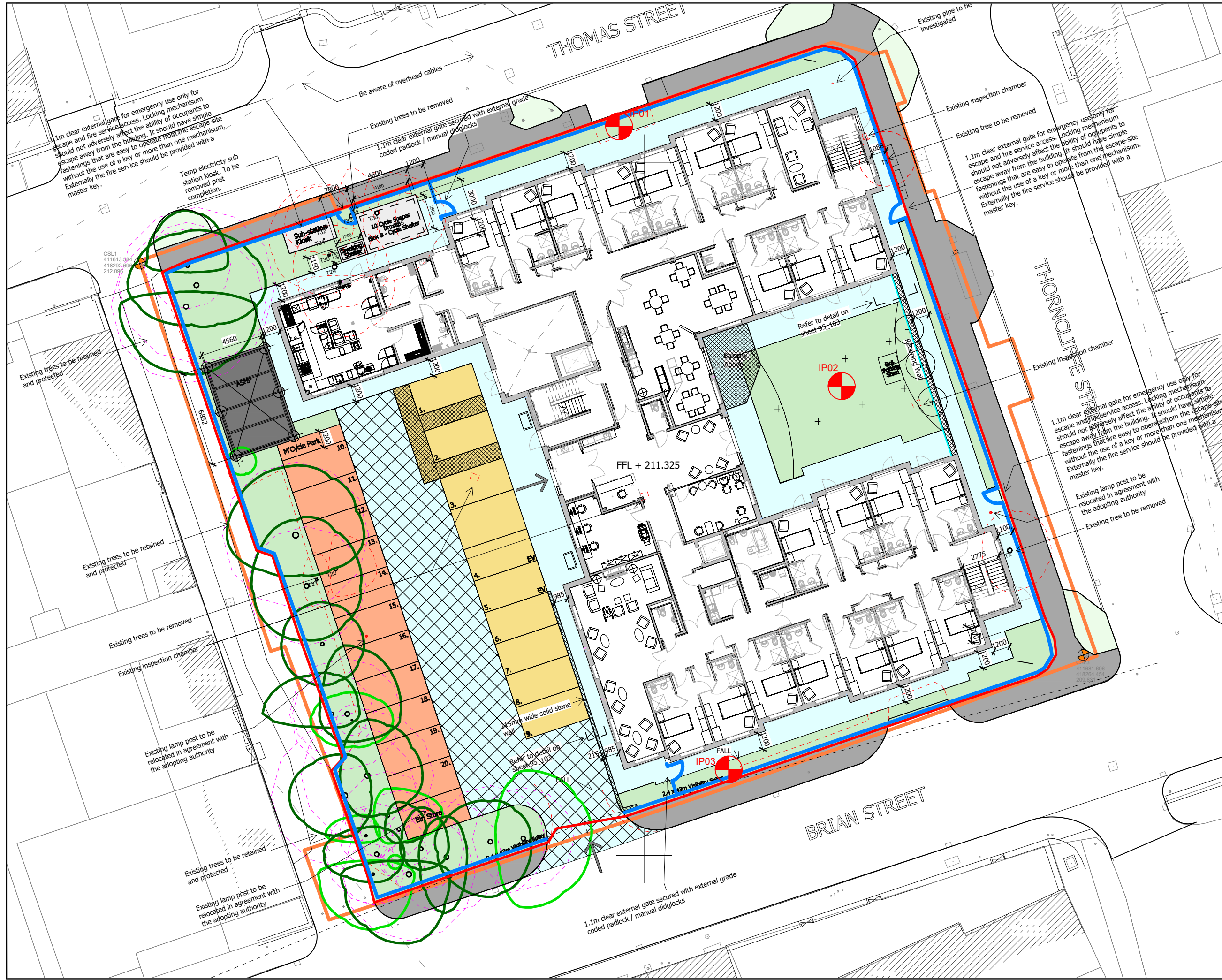
A handwritten signature in black ink that reads "Ross Gill".

Ross Gill

Geotechnical Engineer

**Ardmore Point Ltd**

## Appendix A: Inspection Pit Location Plan



**Notes:**

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|------|--------------|-----|-------|
| C    |              |     |       |
| B    |              |     |       |
| A    |              |     |       |
| REV: | DESCRIPTION: | BY: | DATE: |

**ardmore point** Ardmore Point Ltd  
 230 Carnegie Road  
 Hillington, Glasgow, G52 4NA  
 0330 800 1060  
 www.ardmorepoint.com

CLIENT: Torsion Projects  
 Capitol Boulevard  
 Morley  
 Leeds LS27 0TS

ARCHITECT: -  
 -  
 -

DRAWN: RG CHECKED: SM DATE: 01/08/25 REVISION: A

PROJECT NAME: Thomas Street  
 Lindley, Huddersfield

DRAWING TITLE: Inspection Pit Location Plan

SCALE: 1:50, 1:100 SHEET SIZE: A3 SHEET NO: 1 of 1

PROJECT NO: AP3906 STATUS: Verification

DRAWING NO: AP3906/RM/01

## Appendix B: Chemical Report



TIM O'HARE ASSOCIATES  
SOIL & LANDSCAPE CONSULTANCY

Mr Mark Wood  
Green-tech Ltd  
Rabbit Hill Park  
Great North Road  
Arkendale  
Knaresborough  
North Yorkshire HG5 0FF

7<sup>th</sup> March 2025  
Our Ref: TOHA/25/1740/2/SS  
Your Ref: PO 440041

Dear Sirs

**Topsoil Analysis Report: Barnsdale Landscape Grade Topsoil**

We have completed the analysis of the soil sample recently collected from site, referenced *Barnsdale Landscape Grade Topsoil* and have pleasure reporting our findings.

The purpose of the analysis was to determine the suitability of the sample for general landscape purposes (trees, shrubs, amenity grass). In addition, this sample has been assessed to determine its compliance with the requirements of the British Standard for Topsoil (*BS3882:2015 – Specification for topsoil and requirements for use – Table 1, Multipurpose Topsoil*).

This report presents the results of analysis for the sample collected on 20/02/2025, and it should be considered 'indicative' of the topsoil source. The report and results should therefore not be used by third parties as a means of verification or validation testing, especially after the topsoil has left the Green-tech Ltd site.

**SAMPLING**

The topsoil was examined and sampled at the Green-tech Ltd source at Barnsdale Bar Quarry on 20/02/2025 by Ross Friar of Tim O'Hare Associates LLP. A representative composite topsoil sample was collected in accordance with Section 5 (*Sampling of topsoil*) of the British Standard for Topsoil (*BS3882:2015 Specification for Topsoil*).

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Tim O'Hare Associates LLP  
Howbery Park Wallingford Oxfordshire OX10 8BA  
T:01491 822653 E:info@toha.co.uk  
www.toha.co.uk



Plate 1: Stockpiled Barnsdale Landscape Grade Topsoil



Plate 2: Barnsdale Landscape Grade Topsoil

### Visual Examination

The topsoil was stored in a small, loosely heaped stockpile on site.

The topsoil was described as a dark reddish brown (Munsell Colour 5 YR 3/3) slightly moist, friable, slightly calcareous LOAMY SAND with a weakly developed, fine to medium granular structure. The soil was virtually stone-free and contained moderate proportion of organic fines and occasional woody fragments. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

### ANALYTICAL SCHEDULE

The sample was submitted to a UKAS and MCERTS accredited laboratory for a range of physical and chemical tests to confirm the composition and fertility of the soil, and the concentration of selected potential contaminants. The following parameters were determined:

- detailed particle size analysis (5 sands, silt, clay);
- stone content (2-20mm, 20-50mm, >50mm);
- pH and electrical conductivity values;
- exchangeable sodium percentage;
- major plant nutrients (N, P, K, Mg);
- organic matter content;
- C:N ratio;
- heavy metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Zn, B);
- total cyanide and total (mono) phenols;
- aromatic and aliphatic TPH (C5-C35 banding);
- speciated PAHs (US EPA16 suite);
- benzene, toluene, ethylbenzene, xylene (BTEX);
- asbestos screen.

The results are presented on the attached Certificate of Analysis and an interpretation of the results is given below.

### RESULTS OF ANALYSIS

#### Detailed Particle Size Analysis and Stone Content

The sample fell into the *loamy sand* texture class. Further detailed particle size analysis found the sample to have a sufficiently narrow particle size distribution and a predominance of *fine sand* (0.05-0.15mm) and *medium sand* (0.25-0.50mm). This is usually ideal for topsoil in general landscape applications as reasonable porosity levels can be maintained in a consolidated state and the risk of particle interpacking is reduced. This type of grading therefore normally provides adequate water attenuation, drainage and aeration properties for general landscape applications.

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

### **pH and Electrical Conductivity Values**

The sample was strongly alkaline in reaction (pH 8.4). This pH value would be considered suitable for general landscape purposes provided species with a wide pH tolerance or those known to prefer alkaline soils are selected for planting, turfing and seeding.

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

The electrical conductivity value by CaSO<sub>4</sub> extract (BS3882 requirement) fell below the maximum specified value (3300 µS/cm) given in BS3882:2015 – Table 1.

### **Organic Matter and Fertility Status**

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

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

### **Potential Contaminants**

With reference to BS3882:2015 - Table 1: Notes 3 and 4, there is a requirement to confirm levels of potential contaminants in relation to the topsoil's proposed end use. This includes human health, environmental protection and metals considered toxic to plants. In the absence of site-specific assessment criteria, the concentrations that affect human health have been compared with the residential with home grown produce land use in the Suitable For Use Levels (S4ULs) presented in *The LQM/CIEH S4ULs for Human Health Risk Assessment (2015)* and the DEFRA SP1010: *Development of Category 4 Screening Levels (C4SLs) for Assessment of Land Affected by Contamination – Policy Companion Document (2014)*.

Of the potential contaminants determined, none was found at levels that exceeded their guideline values.

### **Phytotoxic Contaminants**

Of the phytotoxic (toxic to plants) contaminants determined (copper, nickel, zinc), none was found at levels that exceeded the maximum permissible levels specified in BS3882:2015 – Table 1.

## **CONCLUSION**

The purpose of the analysis was to determine the suitability of the topsoil sample for general landscape purposes. The analysis has also been undertaken to determine the sample's compliance with the requirements of the British Standard for Topsoil (BS3882:2015 – Specification for topsoil and requirements for use – Table 1, Multipurpose Topsoil).

From the soil examination and subsequent laboratory analysis, the sample was described as a strongly alkaline, non-saline, slightly calcareous loamy sand with an adequate structure and very low stone content. The sample contained sufficient reserves of organic matter and all major plant nutrients. Of the potential contaminants determined, none exceeded their respective guideline values.

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

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

### **General Landscape Environments**

#### **Rootballed Trees**

The most demanding planting environment is semi-mature, pit planted trees. Trees of this size and age have grown accustomed to optimum growing conditions in the nursery, and these need to be replicated when the rootballed or containerised tree is planted in the pit. In particular, aeration and drainage around the rootball are critical. Without these properties, trees will very quickly suffer and possibly die during their first few growing seasons after planting.

### Shrubs

Containerised shrubs are generally more tolerant of a wider range of soil-types, and they require less topsoil to root into than trees. The topsoil would be suited to a range of shrubs typically used in commercial and domestic landscaping.

### Forestry Stock

Less demanding planting habitats include indigenous woodland planting, planted as small whips and feathered trees. The topsoil would be suitable for such planting environments.

### Amenity Grass

This soil would be considered suitable for amenity grass seeding and turfing

### Sports Pitches

This soil is suited for sports pitch construction given its high sand content. However, all materials to be used for sports pitch construction, including topsoil, should be carefully considered in relation to the required performance and standard of the sports pitch.

### Domestic Gardens

The horticultural properties of the soil would be suitable for domestic garden applications. In addition, of the potential contaminants determined, none was found at levels that would be considered elevated. However, permissible levels for potential contaminants do vary from site to site. Therefore, the suitability of topsoil represented by this sample for any particular project or development should be confirmed by comparing the results against the site's specific assessment criteria.

### Soil Handling Recommendations

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

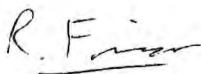
It is important to ensure that the soil is not unnecessarily compacted by trampling or trafficking by site machinery, and soil handling should be stopped during and after heavy rainfall and not continued until the soil is friable in consistency. If the soil is structurally damaged and compacted at any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

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

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We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if we can be of further assistance.

Yours faithfully



**Ross Friar**  
MEnvSci  
Soil Scientist



**Aaron Cross**  
BSc MSc MISOilSci  
Senior Soil Scientist

For & on behalf of Tim O'Hare Associates LLP



|             |                                   |
|-------------|-----------------------------------|
| Client:     | Green-tech Ltd                    |
| Project:    | Barnsdale Landscape Grade Topsoil |
| Job:        | Topsoil Analysis - BS3882:2015    |
| Date:       | 07/03/2025                        |
| Job Ref No: | TOHA/25/1740/2/SS                 |

| Sample Reference  |       |               | Landscape Grade Topsoil |
|---|-------|---------------|-------------------------|
|   |       | Accreditation |                         |
| Clay (<0.002mm)   | %     | UKAS          | 5                       |
| Silt (0.002-0.05mm)                                     | %     | UKAS          | 18                      |
| Very Fine Sand (0.05-0.15mm)                            | %     | UKAS          | 16                      |
| Fine Sand (0.15-0.25mm)                                 | %     | UKAS          | 30                      |
| Medium Sand (0.25-0.50mm)                               | %     | UKAS          | 26                      |
| Coarse Sand (0.50-1.0mm)                                | %     | UKAS          | 3                       |
| Very Coarse Sand (1.0-2.0mm)                            | %     | UKAS          | 2                       |
| Total Sand (0.05-2.0mm)                                 | %     | UKAS          | 77                      |
| Texture Class (UK Classification)                       | --    | UKAS          | LS                      |
| Stones (2-20mm)   | % DW  | GLP           | 1                       |
| Stones (20-50mm)  | % DW  | GLP           | 0                       |
| Stones (>50mm)  | % DW  | GLP           | 0                       |
| pH Value (1:2.5 water extract)                          | units | UKAS          | 8.4                     |
| Electrical Conductivity (1:2.5 water extract)           | uS/cm | UKAS          | 947                     |
| Electrical Conductivity (1:2 CaSO <sub>4</sub> extract) | uS/cm | UKAS          | 2864                    |
| Exchangeable Sodium Percentage                          | %     | UKAS          | 3.2                     |
| Organic Matter (LOI)                                    | %     | UKAS          | 3.4                     |
| Total Nitrogen (Dumas)                                  | %     | UKAS          | 0.19                    |
| C : N Ratio   | ratio | UKAS          | 11                      |
| Extractable Phosphorus                                  | mg/l  | UKAS          | 56                      |
| Extractable Potassium                                   | mg/l  | UKAS          | 1145                    |
| Extractable Magnesium                                   | mg/l  | UKAS          | 216                     |
| Total Arsenic (As)                                      | mg/kg | MCERTS        | 3                       |
| Total Cadmium (Cd)                                      | mg/kg | MCERTS        | 0.3                     |
| Total Chromium (Cr)                                     | mg/kg | MCERTS        | 6                       |
| Hexavalent Chromium (Cr VI)                             | mg/kg | MCERTS        | < 1.8                   |
| Total Copper (Cu)                                       | mg/kg | MCERTS        | 14                      |
| Total Lead (Pb)   | mg/kg | MCERTS        | 12                      |
| Total Mercury (Hg)                                      | mg/kg | MCERTS        | < 0.3                   |
| Total Nickel (Ni)                                       | mg/kg | MCERTS        | 5                       |
| Total Selenium (Se)                                     | mg/kg | MCERTS        | < 1.0                   |
| Total Zinc (Zn)   | mg/kg | MCERTS        | 52                      |
| Water Soluble Boron (B)                                 | mg/kg | MCERTS        | 1.6                     |
| Total Cyanide (CN)                                      | mg/kg | MCERTS        | < 1.0                   |
| Total (mono) Phenols                                    | mg/kg | MCERTS        | < 1.0                   |
| Naphthalene   | mg/kg | MCERTS        | < 0.05                  |
| Acenaphthylene  | mg/kg | MCERTS        | < 0.05                  |
| Acenaphthene  | mg/kg | MCERTS        | < 0.05                  |
| Fluorene  | mg/kg | MCERTS        | < 0.05                  |
| Phenanthrene  | mg/kg | MCERTS        | < 0.05                  |
| Anthracene  | mg/kg | MCERTS        | < 0.05                  |
| Fluoranthene  | mg/kg | MCERTS        | < 0.05                  |
| Pyrene  | mg/kg | MCERTS        | < 0.05                  |
| Benzo(a)anthracene                                      | mg/kg | MCERTS        | < 0.05                  |
| Chrysene  | mg/kg | MCERTS        | < 0.05                  |
| Benzo(b)fluoranthene                                    | mg/kg | MCERTS        | < 0.05                  |
| Benzo(k)fluoranthene                                    | mg/kg | MCERTS        | < 0.05                  |
| Benzo(a)pyrene  | mg/kg | MCERTS        | < 0.05                  |
| Indeno(1,2,3-cd)pyrene                                  | mg/kg | MCERTS        | < 0.05                  |
| Dibenzo(a,h)anthracene                                  | mg/kg | MCERTS        | < 0.05                  |
| Benzo(g,h,i)perylene                                    | mg/kg | MCERTS        | < 0.05                  |
| Total PAHs (sum USEPA16)                                | mg/kg | MCERTS        | < 0.80                  |
| Aliphatic TPH >C5 - C6                                  | mg/kg | MCERTS        | < 0.010                 |
| Aliphatic TPH >C6 - C8                                  | mg/kg | MCERTS        | < 0.010                 |
| Aliphatic TPH >C8 - C10                                 | mg/kg | MCERTS        | < 0.010                 |
| Aliphatic TPH >C10 - C12                                | mg/kg | MCERTS        | < 1.0                   |
| Aliphatic TPH >C12 - C16                                | mg/kg | MCERTS        | < 2.0                   |
| Aliphatic TPH >C16 - C21                                | mg/kg | MCERTS        | < 8.0                   |
| Aliphatic TPH >C21 - C35                                | mg/kg | MCERTS        | < 8.0                   |
| Aliphatic TPH (C5 - C35)                                | mg/kg | MCERTS        | < 10                    |
| Aromatic TPH >C5 - C7                                   | mg/kg | MCERTS        | < 0.010                 |
| Aromatic TPH >C7 - C8                                   | mg/kg | MCERTS        | < 0.010                 |
| Aromatic TPH >C8 - C10                                  | mg/kg | MCERTS        | < 0.020                 |
| Aromatic TPH >C10 - C12                                 | mg/kg | MCERTS        | < 1.0                   |
| Aromatic TPH >C12 - C16                                 | mg/kg | MCERTS        | < 2.0                   |
| Aromatic TPH >C16 - C21                                 | mg/kg | MCERTS        | < 10                    |
| Aromatic TPH >C21 - C35                                 | mg/kg | MCERTS        | < 10                    |
| Aromatic TPH (C5 - C35)                                 | mg/kg | MCERTS        | < 10                    |
| Benzene   | mg/kg | MCERTS        | < 0.005                 |
| Toluene   | mg/kg | MCERTS        | < 0.005                 |
| Ethylbenzene  | mg/kg | MCERTS        | < 0.005                 |
| p & m-xylene  | mg/kg | MCERTS        | < 0.008                 |
| o-xylene  | mg/kg | MCERTS        | < 0.005                 |
| MTBE (Methyl Tertiary Butyl Ether)                      | mg/kg | MCERTS        | < 0.005                 |
| Asbestos  | ND/D  | ISO 17025     | Not-detected            |

LS = LOAMY SAND

**Visual Examination**

The topsoil was described as a dark reddish brown (Munsell Colour 5 YR 3/3) slightly moist, friable, slightly calcareous LOAMY SAND with a weakly developed, fine to medium granular structure. The soil was virtually stone-free and contained moderate proportion of organic fines and occasional woody fragments. No unusual odours, deleterious materials, roots or rhizomes of pernicious weeds were observed.

Results of analysis should be read in conjunction with the report they were issued with

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*R. Friar*

Ross Friar  
MEnvSci  
Soil Scientist

## Appendix C: Human Health Risk Assessment

| Contaminant                   | Units | Effect | Concentration Range (mg/kg) | Measured concentrations in excess of S4UL/GSV/SGV (mg/kg) | Guidance Level (mg/kg) | Measured Exceedance Concentration |
|-------------------------------|-------|--------|-----------------------------|---|------------------------|-----------------------------------|
| Arsenic                       | mg/kg | Toxic  | 3.00                        | 0   | 37                     | -                                 |
| Cadmium                       | mg/kg | Toxic  | 0.30                        | 0   | 11                     | -                                 |
| Chromium III                  | mg/kg | Toxic  | 6.00                        | 0   | 910                    | -                                 |
| Chromium VI                   | mg/kg | Toxic  | <1.80                       | 0   | 6                      | -                                 |
| Copper                        | mg/kg | Toxic  | 14.00                       | 0   | 2400                   | -                                 |
| Lead                          | mg/kg | Toxic  | 12.00                       | 0   | 200                    | -                                 |
| Mercury                       | mg/kg | Toxic  | <0.30                       | 0   | 40                     | -                                 |
| Nickel                        | mg/kg | Toxic  | 5.00                        | 0   | 130                    | -                                 |
| Selenium                      | mg/kg | Toxic  | <1.00                       | 0   | 250                    | -                                 |
| Zinc                          | mg/kg | Toxic  | 52.00                       | 0   | 3700                   | -                                 |
| <b>Petroleum Hydrocarbons</b> |       |        |                             |   |                        |                                   |
| Aliphatic C5-C6               | mg/kg | Toxic  | <0.01                       | 0   | 42                     | -                                 |
| Aliphatic C6-C8               | mg/kg | Toxic  | <0.01                       | 0   | 100                    | -                                 |
| Aliphatic C8-C10              | mg/kg | Toxic  | <0.01                       | 0   | 27                     | -                                 |
| Aliphatic C10-C12             | mg/kg | Toxic  | <1.00                       | 0   | 130                    | -                                 |
| Aliphatic C12-C16             | mg/kg | Toxic  | <2.00                       | 0   | 1100                   | -                                 |
| Aliphatic C16-C21             | mg/kg | Toxic  | <8.00                       | 0   | 65000                  | -                                 |
| Aliphatic C21-C35             | mg/kg | Toxic  | <8.00                       | 0   | 65000                  | -                                 |
| Aromatic C5-C7                | mg/kg | Toxic  | <0.01                       | 0   | 70                     | -                                 |
| Aromatic C7-C8                | mg/kg | Toxic  | <0.01                       | 0   | 130                    | -                                 |
| Aromatic C8-C10               | mg/kg | Toxic  | <0.02                       | 0   | 34                     | -                                 |
| Aromatic C10-C12              | mg/kg | Toxic  | <1.00                       | 0   | 74                     | -                                 |
| Aromatic C12-C16              | mg/kg | Toxic  | <2.00                       | 0   | 140                    | -                                 |
| Aromatic C16-C21              | mg/kg | Toxic  | <10.00                      | 0   | 260                    | -                                 |
| Aromatic C21-C35              | mg/kg | Toxic  | <10.00                      | 0   | 1100                   | -                                 |
| <b>PAHs</b>                   |       |        |                             |   |                        |                                   |
| Naphthalene                   | mg/kg | Toxic  | <0.05                       | 0   | 2.3                    | -                                 |
| Acenaphthylene                | mg/kg | Toxic  | <0.05                       | 0   | 170                    | -                                 |
| Acenaphthene                  | mg/kg | Toxic  | <0.05                       | 0   | 210                    | -                                 |
| Fluorene                      | mg/kg | Toxic  | <0.05                       | 0   | 170                    | -                                 |
| Phenanthrene                  | mg/kg | Toxic  | <0.05                       | 0   | 95                     | -                                 |
| Anthracene                    | mg/kg | Toxic  | <0.05                       | 0   | 2400                   | -                                 |
| Fluoranthene                  | mg/kg | Toxic  | <0.05                       | 0   | 280                    | -                                 |
| Pyrene                        | mg/kg | Toxic  | <0.05                       | 0   | 620                    | -                                 |
| Benzo(a)anthracene            | mg/kg | Toxic  | <0.05                       | 0   | 7.2                    | -                                 |
| Chrysene                      | mg/kg | Toxic  | <0.05                       | 0   | 15                     | -                                 |
| Benzo(b)fluoranthene          | mg/kg | Toxic  | <0.05                       | 0   | 2.6                    | -                                 |
| Benzo(k)fluoranthene          | mg/kg | Toxic  | <0.05                       | 0   | 77                     | -                                 |
| Benzo(a)pyrene                | mg/kg | Toxic  | <0.05                       | 0   | 2.2                    | -                                 |
| Indeno(1,2,3-c,d)pyrene       | mg/kg | Toxic  | <0.05                       | 0   | 27                     | -                                 |
| Dibenzo(a,h)anthracene        | mg/kg | Toxic  | <0.05                       | 0   | 0.24                   | -                                 |
| Benzo(g,h,i)perylene          | mg/kg | Toxic  | <0.05                       | 0   | 320                    | -                                 |
| <b>BTEX</b>                   |       |        |                             |   |                        |                                   |
| Benzene                       | mg/kg | Toxic  | <0.005                      | 0   | 0.087                  | -                                 |
| Toluene                       | mg/kg | Toxic  | <0.005                      | 0   | 130                    | -                                 |
| Ethylbenzene                  | mg/kg | Toxic  | <0.005                      | 0   | 47                     | -                                 |
| p & m-xylene                  | mg/kg | Toxic  | <0.008                      | 0   | 56                     | -                                 |
| o-xylene                      | mg/kg | Toxic  | <0.005                      | 0   | 60                     | -                                 |
| MTBE                          | mg/kg | Toxic  | <0.005                      | 0   | 40                     | -                                 |
| <b>Others</b>                 |       |        |                             |   |                        |                                   |
| Asbestos                      | mg/kg | Toxic  | None Detected               | 0   | Detection              | -                                 |
| Total Cyanide                 | mg/kg | Toxic  | <1.00                       | 0   | 34                     | -                                 |
| Total (mono) Phenols          | mg/kg | Toxic  | <1.00                       | 0   | 120                    | -                                 |

\*1% SOM has been utilised to be conservative

## Appendix D: Photographic Evidence of Inspection Pits

Inspection Pit No. 1



Depth: 700mm

Lindley, Huddersfield

30/07/2025

### Inspection Pit No. 1



Depth: 700mm

Lindley, Huddersfield

30/07/2025

Inspection Pit No. 2



|              |                       |            |
|--------------|-----------------------|------------|
| Depth: 700mm | Lindley, Huddersfield | 30/07/2025 |
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Inspection Pit No. 1



|              |                       |            |
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| Depth: 700mm | Lindley, Huddersfield | 30/07/2025 |
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### Inspection Pit No. 3



Depth: 700mm

Lindley, Huddersfield

30/07/2025

Inspection Pit No. 3



Depth: 700mm

Lindley, Huddersfield

30/07/2025