

# Validation Completion Report

For a site at

Mayton Street, Openshaw

Undertaken for

John Southworth Builders Ltd

|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Report Title:</b>     | <b>Mayton Street, Openshaw<br/>Validation Completion Report</b>                                     |
| <b>Report Reference:</b> | <b>8755G-WML-XX-ZZ-RP-G-0004B</b>                                                                   |
| <b>Client:</b>           | <b>John Southworth Builders Ltd</b>                                                                 |
| <b>Issue Date:</b>       | <b>4<sup>th</sup> June 2022</b>                                                                     |
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## Revision Status / History

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## **1.0 INTRODUCTION**

### **Appointment**

- 1.1 WML Consulting (WML) has been commissioned by John Southworth Builders Ltd to prepare a Validation Completion Report in relation to development of land located on Mayton Street, Openshaw, Manchester.

### **Proposed Development**

- 1.2 The development comprises the construction of 21no new low-rise residential dwellings with associated hardstanding and private garden areas.
- 1.3 A copy of the development plan by GWP Architects is presented in Appendix 01. The final development proposals include the presence of an area of grassed amenity land in the central part of the site, which is to remain publicly accessible by local residents.
- 1.4 The validation of the area of proposed amenity soft landscaping located centrally within the development falls outside the scope of this assessment.

### **Background**

- 1.5 WML were initially commissioned by to undertake a Phase 1 Desk Study and Phase 2 Investigation and Assessment. These culminated in the following reports:
- Phase 1 Desk Study and Preliminary Geoenvironmental Assessment Report, Reference 8755G-WML-00-XX-RP-G-0001, dated June 2019; and
  - Phase 2 Geo-environmental Investigation and Assessment, Reference 8755G-WML-00-XX-RP-G-0002, dated July 2020.
- 1.6 Subsequently WML produced the following report in consideration of the need for remedial measures to be outlined and agreed as a pre-development requirement:
- Remediation Strategy, 8755G-WML-XX-ZZ-RP-G-0003B, dated October 2020.
- 1.7 The reports have been presented to Manchester City Council Planning Division in support of Planning Application No. 125474/FO/2019.

### **Verification**

- 1.8 This report presents the compilation of the remediation / validation information obtained during the redevelopment programme associated with the provision of a watching brief for unexpected ground and groundwater contamination, and the capping of gardens and as identified within the Remediation Strategy.

## **2.0 SUMMARY OF ENVIRONMENTAL CONDITIONS**

- 2.1 The following paragraphs summarise the most relevant findings of the Phase 1 and Phase 2 reports.
- 2.2 The site is indicated by the BGS to be underlain by Devensian Glacial Till deposits and the Pennine Upper Coal Measures Formation (PUCM), which generally comprise mudstones, siltstones and sandstones with coal seams. A review of Coal Authority information carried out within the Phase 1 report did not identify evidence of known shallow coal workings, although the extreme northern part of the site was identified as being located within a 'Development High Risk Area' associated with probable shallow coal workings attributed to the Openshaw Coal Seam. The report concluded that the requirement for treatment of shallow mine workings could not be discounted.
- 2.3 On the basis of the risk of shallow coal workings being present on the site, Phase 2 intrusive site investigations subsequently carried out at the site included the advancement of two rotary boreholes to a depth of 40.00 mbgl to investigate the potential for coal seams to be present beneath the site. No coal seams were identified within either borehole, although traces of coal were detected in both boreholes at approximate depths of 28-32 mbgl. No voids or loss of drilling flush were recorded, which may have acted as an indicator of the presence of shallow mine workings. The risks posed to the development from shallow unrecorded mine workings was concluded to be low, and no related remedial action was deemed necessary.
- 2.4 The property is not in a radon affected area as defined by the UK Health Security Agency, as less than 1% of properties are above the action level of exposure.
- 2.5 The superficial deposits underlying the site are classified as a 'Secondary Undifferentiated Aquifer', with the underlying solid geology primarily being a 'Secondary (A) Aquifer' associated with the PUCM deposits, although the eastern area of the site was classified as a 'Principal Aquifer' due to the presence of Chester Formation deposits. It should be noted that the Principal Aquifer mainly underlies land which has subsequently been removed from the development footprint. The site is not within an Environment Agency Source Protection Zone (SPZ) and there are no groundwater abstraction licences within 250m of the site.
- 2.6 A surface water course, Corn Brook, extends approximately east to west at approximately 154m south of the site. Historical plans indicate that this originally extended north-south through the central section of the site, and the watercourse may therefore have been diverted or culverted by 1891. The client has confirmed that a culverted watercourse extends north-south through the central part of the site.
- 2.7 There are no active or historic landfill sites recorded within 250m of the site.
- 2.8 The earliest historical Ordnance Survey mapping indicated the site to initially comprise undeveloped rural land. By 1891 the majority of the site, excluding the western area, had been developed into residential housing around a series of roads including Clayton Lane South, which extended generally north to south through the eastern section of the site. The western area was subsequently developed with residential properties by 1906.
- 2.9 The site remained relatively unchanged until the mid-1970s, when the terraced housing and roads were cleared, and the site was redeveloped with lower density residential housing, community landscaping and pedestrian footpaths. Between the mid-1970s and 1992, a children's playground was constructed in the southern section of the site. Phased clearance of structures on the site was carried out between 2002 and 2014, with the site subsequently landscaped into grassed amenity land, pedestrian footpaths and a children's playground in the south-eastern area.
- 2.10 The surrounding area originally comprised undeveloped rural/agricultural land with localised residential development. During the 1890s and 1900s, mixed residential and industrial development occurred in the surrounding area. Potentially contaminative land uses included a clay pit immediately

adjacent to the site, and brickworks, gas and oil engineering works, a dye works, a bleach works and a colliery in the wider surrounding area.

### **Ground Conditions**

- 2.11 Ground conditions encountered during the intrusive investigation comprised made ground to depths of between 0.60 and 1.80 mbgl, this being underlain by glacial till deposits to depths of 22.20 and 23.10 mbgl. This was in turn underlain by sandstone deposits of the Pennine Upper Coal Measures.
- 2.12 No significant visual and/or olfactory evidence of significant ground contamination was identified during the investigation. Made ground was found to typically comprise brown and grey sandy gravel / gravelly sand, including brick, sandstone, concrete, slate and locally glass, clinker and ceramic.
- 2.13 Perched groundwater seepages were encountered within the granular made ground during the formation of WS05 and WS06 at depths of 1.80 mbgl and 1.50 mbgl respectively. During post-works monitoring, standing groundwater levels were recorded at depths of between 1.46 and 2.47 mbgl, although WS01 was noted to be dry to the base of the installation at 4.20 mbgl, suggesting perched groundwater is discontinuous.
- 2.14 Chemical analysis indicated several exceedances of CoC's within the Made Ground, when compared to the soil screening levels (residential land use with home grown produce). These related to elevated concentrations of arsenic, lead and PAH compounds, namely naphthalene, benzo[b]fluoranthene, benzo[a]pyrene and dibenzo[a,h]anthracene within samples of made ground. Asbestos was also found to be present in one shallow sample of made ground (amosite insulation material) in WS06, which was presumed to be associated with the historic demolition of buildings previously present on the site.

### **Ground Gas Monitoring**

- 2.15 As reported in the Remediation Strategy, ground gas monitoring was carried out on six occasions between 6<sup>th</sup> July and 4<sup>th</sup> September 2020. The results indicated that concentrations of methane did not exceed 0.1% by volume in air (v/v) and a maximum concentration of 9.0% carbon dioxide was recorded. Reliable peak flow rates of 0.7 l/hr were recorded on one occasion within WS05 and WS09, with maximum 'hazardous gas flow rates' (Qhg) of 0.0090 l/hr carbon dioxide (individual) and 0.0630 l/hr (combined). Although the maximum calculated carbon dioxide Qhg classified the site as falling under Characteristic Situation 1 (CS1) – Very Low Risk, according to the recommendations of BS8485:2015 due to the presence of a recorded carbon dioxide concentration above 5.0% v/v, consideration should be given to raising the site to Characteristic Situation (CS) 2 – Low Gas Risk'.
- 2.16 On the basis of the ground conditions observed during the ground investigation, the assessment considered that the elevated concentrations of carbon dioxide recorded were most likely to be due to localised pockets of organic soil within the made ground matrix, with the highest concentrations of gas being associated with the greatest depths of made ground where organic flecks were observed. The typically negligible ground gas flow rates which were observed during monitoring were considered to support this assessment, indicating that no significant source of gas generation or mechanisms for migration were present within the made ground underlying the site.
- 2.17 As such, the assessment concluded that the site presented a negligible risk from ground gas, and that the site could be classified as CS1 – Very Low Risk, and thus did not require the installation of ground gas protection measures.

### **3.0 SUMMARY OF REMEDIATION OBJECTIVES**

3.1 The following objectives were outlined in the Remediation Strategy.

#### **Capping Requirements for Private Gardens**

3.2 As the level of contamination in the Made Ground renders it unsuitable for direct use beneath proposed private garden/landscaped areas, development will need to include the provision of a clean cover over the Made Ground to break the direct contact pollution linkage as set out below.

3.3 New private landscaped/garden areas will need to be capped with a nominal 600mm clean cover over the existing Made Ground to break the direct contact pollution linkage. The make-up of the 600mm cover would be expected to consist of:

- 150mm (minimum) of clean imported Topsoil; over
- 450mm of clean imported sub-soil.

3.4 The following were to be provided:

- Results of subsequent chemical analysis of imported Topsoil/sub-soil to confirm compliance with the Site Specific Assessment Criteria.
- Records of the volumes and suitability of all imported fill, Topsoil and sub-soil delivered to site in the form of delivery slips and certificates.
- Photographic evidence of suitable sub-soil/Topsoil cover in garden and other soft landscaped areas where underlain by Made Ground.

#### **Asbestos**

3.5 Asbestos in the form of amosite insulation was detected within a sample of made ground collected from WS06 at 0.20 mbgl, however this was not identified within any other soil samples collected during the Phase 2 investigation. Although asbestos is thus not anticipated to be widespread, the potential remains for asbestos fibres and asbestos containing materials (ACM) to be encountered further during the earthworks process.

3.6 The Remediation Strategy stated that site redevelopment operations should be under the full-time control of the Site Manager, who should ensure that all asbestos management personnel are suitably trained and experienced, and that asbestos identification and vigilance would form a specific tool box talk for site operatives and visitors.

3.7 In the event that significant further asbestos contamination were to be suspected or positively identified, the Remediation Strategy required that a specialist consultant in the identification of ACM would need to be present during significant earth moving operations, and asbestos suppression and monitoring procedures would be necessary.

#### **General**

3.8 The following additional information was also to be provided.

- Details of any unexpected ground contamination (soil and/or groundwater) and the measures undertaken to deal with this, to include records of excavation, the results of chemical analysis resulting from the removal of contaminated soil and / or groundwater.
- Sample waste management records confirming compliance with Duty of Care regulations.
- Confirmation of potable water supply pipe materials.

3.9 On completion of the Remediation Works, a Validation Report including the information as summarised above was to be submitted to the Local Planning Authority for approval.

- 3.10 As the redevelopment proposals comprise residential land use with private garden areas, the applicable Site Specific Assessment Criteria used in this report are those for the 'residential with homegrown produce' land use scenario.

## **4.0 VALIDATION**

### **Unforeseen Ground Contamination**

- 4.1 No evidence of contamination, unusual ground conditions, organic materials such as peat, and/or asbestos have been reported to WML during the construction phase of the works.

### **General Groundworks**

- 4.2 Due to the low levels of contamination within the existing topsoil and made ground, together with the limited site area, all site-derived soils were removed from site to an appropriate landfill with the exception of topsoil derived from the surface clearance work, which has been stockpiled separately to imported soil materials and is proposed for use in the cover system in the public open space area.
- 4.3 A representative selection of waste transfer documents have been provided by John Southworth Builders Limited and provided in Appendix 02.
- 4.4 Photographs showing the condition of the site during inspection visits are provided as Appendix 03.

### **Imported Topsoil / Subsoil**

- 4.5 No suitable site-won topsoil or subsoil was available for re-use at the site for the capping of proposed private gardens and other soft landscaped areas.
- 4.6 Therefore, all topsoil and subsoil required for use as capping soil was imported to site by Freeland Horticulture Limited and PP O'Connor Limited respectively on behalf of the main contractor John Southworth Builders Limited.
- 4.7 The topsoil was imported from the soil supplier:-

Freeland Horticulture Limited  
Nook Lane  
Farm  
Astley  
M29 7LW

- 4.8 The subsoil (gritsand) was a primary aggregate imported from:-

PP O'Connor Limited  
Fletcher Bank Quarry  
Ramsbottom  
Bury  
BL0 0DD

- 4.9 Subsoil was imported and emplaced in front and rear garden areas of various plots across the site during June 2022.
- 4.10 Prior to import, Freeland Horticulture provided a copy of chemical analyses undertaken on a composite sample (comprising 10no sub-samples) of the stockpiled topsoil source material by Freeland Horticulture's Kent-based laboratory. The results indicate that the tested sample would adhere to the current BS3882 specification for 'multipurpose grade' topsoil and were all below current published 'residential with homegrown produce' screening criteria. A copy of the chemical results are presented in Appendix 04.
- 4.11 A copy of chemical analysis on a representative sample of gritsand from Fletcher Bank Quarry provided by the supplier is also presented in Appendix 04.

- 4.12 During June 2022 the topsoil was imported to site and stockpiled prior to placement on garden areas within the development plots.
- 4.13 On 16<sup>th</sup> June 2022, WML attended site to obtain samples of imported soils and to verify the placement of soils in garden areas. At the time of the initial visit, not all soil placement had been completed therefore a second visit was carried out on 24<sup>th</sup> June 2022 following additional soil importation and placement.
- 4.14 Chemical analysis was carried out on representative samples from a combination of stockpiled and emplaced subsoil and topsoil.
- 4.15 The results of analysis recorded all determinands below the reference values for re-use with a residential with a homegrown produce end use. The results of the testing are presented in Appendix 04 in reports referenced 22-05991-1, 22-05992-1 and 22-06264-1.
- 4.16 It should be noted that the depth recorded for the samples in reports 22-05991-1 and 22-05992-1 refers to the depth below surface at the time of sampling, rather than depth below finished ground level, as the topsoil had not been fully installed in all garden areas by this time.
- 4.17 Therefore, all of the imported soils were considered suitable, in terms of chemical concentrations, for the intended use.

#### **Capping Thickness**

- 4.18 The capping thicknesses were verified by the formation of hand excavated validation pits on 16<sup>th</sup> June 2022 (VP01 to VP13) and 22<sup>nd</sup> June 2022 (VP14) by WML.
- 4.19 The imported topsoil generally comprised a dark brown, clayey organic sand with fine rootlets. The imported subsoil generally comprised a light grey, slightly gravelly sand.
- 4.20 A drawing showing the locations of the validation pits, referenced 8755G-SK01, is presented in Appendix 01 with photographs of the validation pits provided in Appendix 03.
- 4.21 The type and thicknesses of the capping soil within each validation pit is provided in the table below.

| Location             | Reference | Topsoil (mm) | Subsoil (mm) | Total imported fill thickness (mm) |
|----------------------|-----------|--------------|--------------|------------------------------------|
| Plot 15 rear garden  | VP01      | 150          | 450          | 600                                |
| Plot 17 rear garden  | VP02      | 350          | 250          | 600                                |
| Plot 11 rear garden  | VP03      | 300          | 250          | 550                                |
| Plot 10 rear garden  | VP04      | 150          | 450          | 600                                |
| Plot 8 rear garden   | VP05      | 150          | 450          | 600                                |
| Plot 5 rear garden   | VP06      | 350          | 250          | 600                                |
| Plot 2 rear garden   | VP07      | 300          | 300          | 600                                |
| Plot 4 front garden  | VP08      | 150          | 100          | 250                                |
| Plot 1 front garden  | VP09      | 200          | 200          | 400                                |
| Plot 7 front garden  | VP010     | 250          | 300          | 550                                |
| Plot 9 front garden  | VP011     | 150          | 300          | 450                                |
| Plot 12 front garden | VP012     | 150          | 450          | 600                                |
| Plot 20 front garden | VP013     | 150          | 250          | 400                                |
| Plot 20 rear garden  | VP014     | 150          | 450          | 600                                |
| Plot 14 front garden | VP015     | 300          | 300          | 600                                |
| Plot 16 front garden | VP016     | 200          | 0            | 200                                |

- 4.22 The thickness of capping material in VP08 was reduced to 250mm as natural clay was encountered at this depth following the removal of the made ground.

- 4.23 The thickness of capping material recorded in validation pits VP09, VP10, VP11, VP13 and VP16 was less than the 600mm specified within the remediation strategy due to physical constraints relating to the presence of buried services and the relatively small size of these landscaped areas, all being located to the fronts of the properties. Due to the locations and limitations of the landscaped area it is not considered likely that the end user would under normal circumstances be expected to encounter the soils underlying the capping material.
- 4.24 The thickness of capping material within the rear garden of Plot 11 (VP03) was found to be 50mm less than the specified 600mm capping, however this minor shortfall is not considered to represent a significant risk of exposure to future occupants.
- 4.25 The garden and soft landscaped areas form an area of approximately 1,780m<sup>2</sup> with an average combined total thickness of topsoil and subsoil of between 550mm and 600mm in rear gardens, and between 200mm and 600mm in front landscaped areas.
- 4.26 The volume of imported subsoil equates to 1,280 tonnes (approximately 900m<sup>3</sup>) and the volume of imported topsoil equates to 400 tonnes (approximately 270m<sup>3</sup>), with a total imported volume of approximately 1,680 tonnes. Nine samples of subsoil and six samples of topsoil have been analysed from the site, therefore sampling and testing of imported material has thus been undertaken at an approximate ratio of 1 sample per 45m<sup>3</sup> of topsoil and 1 sample per 100m<sup>3</sup> of subsoil.

#### **Root Protection Zones**

- 4.27 It is understood that the full specified capping layer could not be emplaced within sections of the rear gardens to Plots 19 and 20 and the front garden of Plot 5 due to the root protection zones of retained trees. Capping material was emplaced around the trees where possible without disturbing the roots. A photograph indicating emplacement of capping soils around the tree between Plot 19 and 20 is included in Appendix 03 (Photograph 47).
- 4.28 Chemical analysis of a soil sample taken from the area of Plot 19 and 20 during the Phase 2 site investigation indicated a single slight exceedance of Arsenic (92mg/kg within WS05 – 0.30mbgl). It is inferred that this is likely attributed to fragments of ash and clinker entrained within the soil matrix. Furthermore, the material noted to contain ash and clinker underlies the original topsoil at a depth of 0.20mbgl, with no ash or clinker noted between ground level and 0.20mbgl.
- 4.29 Due to maturity of the tree, a high density of roots within the surrounding topsoil and a significant area of shade cast by the canopy would be expected. As a result the area directly beneath the canopy is considered unlikely to be suitable for vegetable growing or other forms of planting. Disturbance of any soil below to upper levels of topsoil within the root protection area is therefore considered unlikely during the proposed residential use due to the physical constraints of the roots.
- 4.30 Chemical analysis of a soil sample taken from the area of Plot 5 (WS06 – 0.20mbgl) during the Phase 2 site investigation indicated slight exceedances of Benzo[b]Flouranthene (3.5mg/kg), Benzo[a]Pyrene (3.5mg/kg) and Dibenz[a,h]Antracene (3.5mg/kg). Comparison of the ratios of fluoranthene to pyrene and benzo(a)anthracene to chrysene using the LQM PAH Double Ratio Tool suggest that the most likely source of the PAH compounds are combustion soot. A copy double ratio plot is presented within Appendix 05.
- 4.31 This is considered likely to be the result of isolated fragments of ash within the topsoil matrix in keeping with the localised ash and clinker noted in other parts of the site. Although these fragments form an extremely small percentage of the topsoil mass as a whole, as part of laboratory preparation, any such fragment in the analysis sample will be ground with the topsoil matrix. As a result, elevated concentrations of any elements within the ash will be measured as a constituent of the matrix rather than as isolated fragments.

- 4.32 Therefore, as the elevated levels of PAH compounds are considered attributable to isolated fragments of ash in the topsoil matrix, the disturbance of any soil remaining in situ between or beneath the roots is not considered to represent a significant risk of contamination exposure to future occupants.

**Water Supply Pipes**

- 4.33 The client has indicated that United Utilities Water were consulted with regards the selection of suitable water supply pipe materials for the development. A copy of the UU Risk Assessment was presented within the Remediation Strategy. In light of the ground conditions encountered, the requirement for specific materials and measures to protect the water supply from ground contamination was not required.

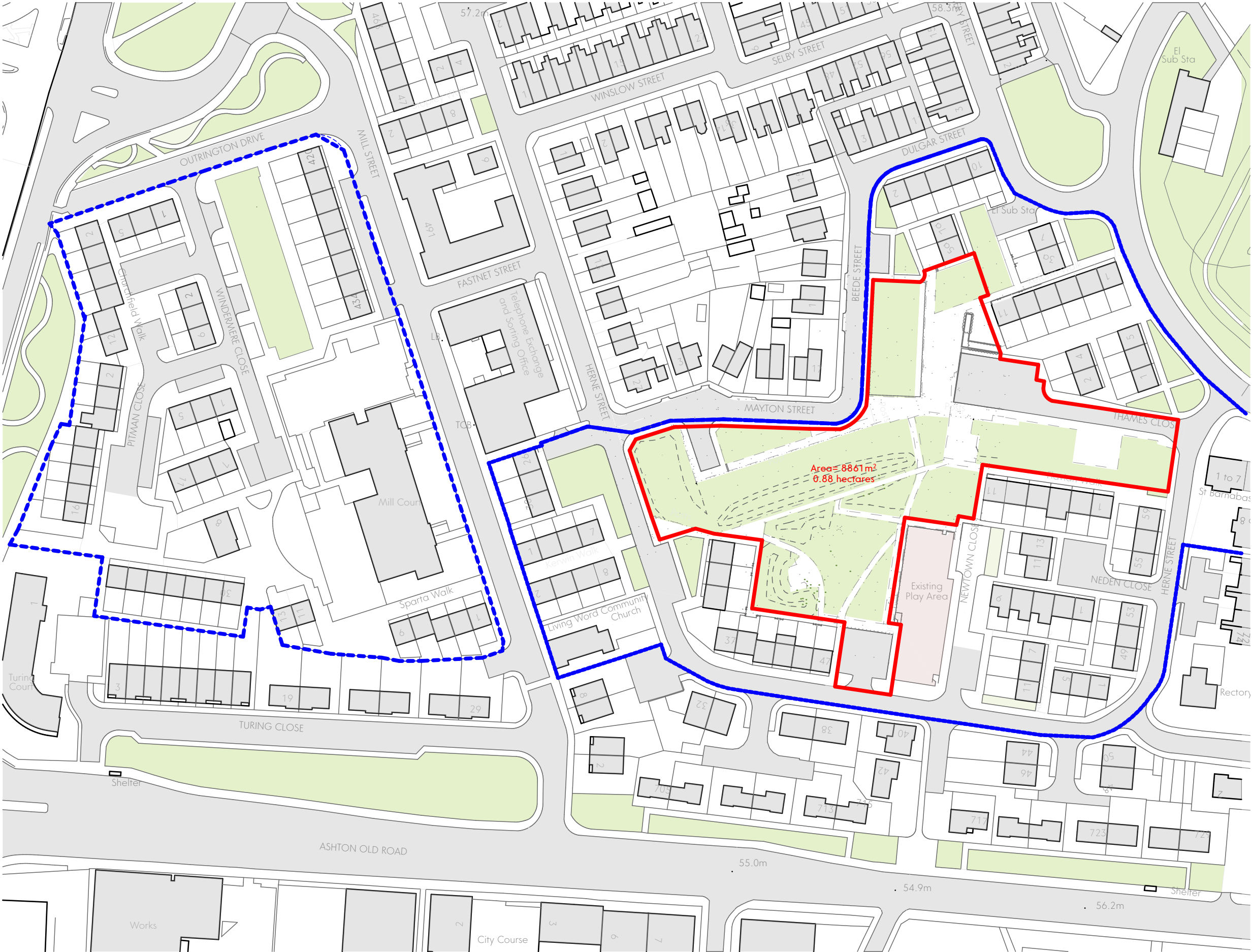
## **5.0 CONCLUSIONS**

### **Capping Requirements for Garden / Landscaped Areas**

- 5.1 Clean imported topsoil and subsoil were found to be generally emplaced in rear garden areas to depths of at least 550mm and in the majority of rear gardens to 600mm. The Topsoil and sub-soil have been confirmed by chemical analysis to conform to appropriate site specific assessment criteria. Clean imported topsoil and subsoil were found to be generally emplaced in front soft landscaped areas to depths of typically 400mm or greater, with one exception at 200mm. Where depths of capping in front garden areas were less than 600mm, this was typically the result of physical limitations.
- 5.2 It is understood that the full scheduled capping layer could not be emplaced within sections of the rear gardens to Plots 19 and 20 due to the root protection zone of a large retained tree located within that area, and within a small section of the front garden of Plot 5 due to the existence of a retained tree within the footprint of that area. The disturbance of any soil remaining in situ between or beneath the roots of retained trees in these areas is not considered to represent a significant risk of contamination exposure to future occupants.
- 5.3 Therefore, as far as can be established the pre-occupation works required in relation to the relevant Planning Conditions have been undertaken to a reasonable standard of workmanship and appropriately validated.

## **APPENDIX 01**

### **Drawings**



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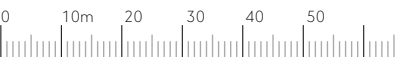
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Do not scale off drawing.

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Scale - 1:1250 @A3



- Site Development Boundary
- - - One Manchester Site Ownership Boundary

| Rev | Date     | Comment             | CT | DT |
|-----|----------|---------------------|----|----|
| P01 | 06.11.19 | Issued for planning | CT | DT |



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GWP Job Reference (299)1914

Job Title Mayton Street

Client



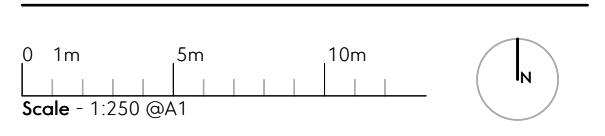
Site Location Plan

|                |                               |
|----------------|-------------------------------|
| Name           | 1914-GWP-01-01-DR-A-(PA)-0001 |
| Scale          | 1:1250@A3                     |
| Revision       | P01                           |
| Drawn/Checked  | DT/JW                         |
| First Issue    | 06.11.19                      |
| Drawing Status | D - Planning                  |

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GWP-01-DR-A-Manchester-One-P00



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All drawings and specifications should be read in conjunction with the project contract and any plans, any possible conflict should be presented to the planning authority.  
All work to be carried out in accordance with current Building Regulations.  
Contractor must verify all dimensions at the job before commencing any work or making this drawing.  
Written dimensions should be taken.  
Do not scale off drawing.  
Do not take digital dimensions from this drawing.  
Any discrepancies to be reported to the Architect.



- Hard Surfacing**
- Tarmac Roads / Paths
  - Dwelling Paving, 450 x 450 concrete flags in natural grey
  - Private car parking, Tarmac
  - Tactile Paving
  - Play Area (Retained)

**Accommodation Schedule**

|                                         |           |
|-----------------------------------------|-----------|
| Existing Development                    |           |
| 3b4p Home                               | 13        |
| 2b3p Home                               | 8         |
| <b>Total Dwellings</b>                  | <b>21</b> |
| 3b4p Shared Ownership                   | 5         |
| 2b3p Shared Ownership                   | 1         |
| <b>Total Shared Ownership Dwellings</b> | <b>6</b>  |

- KEY**
- Tarmac Roads / Paths
  - Screening Planting
  - Green Spaces / Gardens
  - Existing Trees - To be retained where possible, location & size subject to tree survey
  - Recently Planted Trees - To be retained where possible, subject to tree survey
  - Omitted Trees
  - Proposed Trees
  - Proposed Site Development Boundary
  - 40m 4-arm Rotary Clothes Drying Line & associated ground fixing
  - Bike Store - Tiger Low Pent Compact 7X3 Timber Bike Shed. Capacity- 2x Bicycles (refer to drawing 0008-Bike storage)
  - 200l Water butts
  - Existing Levels
  - Proposed Levels
  - Electric Vehicle Charging Point

|     |          |                                    |    |    |
|-----|----------|------------------------------------|----|----|
| Rev | Date     | Comment                            | Dr | Ch |
| C06 | 25.10.21 | Revised to comments                | CT | DT |
| C05 | 26.08.21 | Update to Block G,H,I              | DE | DT |
| C04 | 09.07.21 | Revised vehicle track for planning | DE | DT |
| C03 | 05.07.21 | Update to new road as clouded      | DE | RT |
| C02 | 21.05.21 | Update to new road as clouded      | CT | DT |
| C01 | 30.04.21 | Preliminary Construction issue     | CT | DT |

**GWP**

CHARTERED ARCHITECTS  
INTERIOR DESIGNERS  
SPACE PLANNERS  
PROJECT MANAGERS  
LANDSCAPE ARCHITECTS

Brackley House Leeds LS6 1PD UK  
+44(0)113 246 0044 (F) +44(0)113 248 1859 (M)  
onlinetree@gwpa.co.uk | www.gwpa.co.uk

07991 1914

Job Title: Mayton Street

Client: one manchester

**Proposed Site Plan**

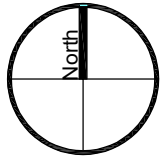
|                |                               |
|----------------|-------------------------------|
| Name           | 1914-GWP-01-01-DR-A-(00)-0004 |
| Scale          | 1:250@A1                      |
| Revision       | C06                           |
| Drawn/Checked  | DT / JW                       |
| First Issue    | 30.04.21                      |
| Drawing Status | A - Construction              |

Blockwork: DESKTOP-HSC00A - Blockwork Base for ARCHICAD 25/Mayton Part 1 - 1914-01-01-GWP-01-01-DR-A-Manchester-C06-02

|                                                 |                   |                                                                     |                     |                                                                                                                                                                                                     |                       |
|-------------------------------------------------|-------------------|---------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Project<br>Mayton Street, Manchester Validation |                   | <b>WML CONSULTING</b><br>Civil, Structural & Geotechnical Engineers |                     | No.8 Oak Green<br>Earl Road<br>Stanley Green Business Park<br>Cheadle Hulme<br>Cheshire SK8 6QL<br>Tel 0161 482 0600<br>Fax 0161 486 9210<br>e-mail info@wmlconsulting.com<br>www.wmlconsulting.com |                       |
| Title<br>Validation Inspection Location Plan    |                   |                                                                     |                     |                                                                                                                                                                                                     |                       |
| Job No.<br>8755G                                | Drawing No.<br>02 | Drawn<br>T SHEEN                                                    | Checked<br>S SEDDON | Date<br>27/06/2022                                                                                                                                                                                  | Scale<br>DO NOT SCALE |

Key:
 
 Cover Validation Pit

Scale (m)
 





## **APPENDIX 02**

### **Representative Waste Transfer Documentation**

Customer Name

Site Address

Delivery Address

Driver Name. \_\_\_\_\_

Description

101 away

### Day Work

Hours Worked

### Travel Time

Total Hours

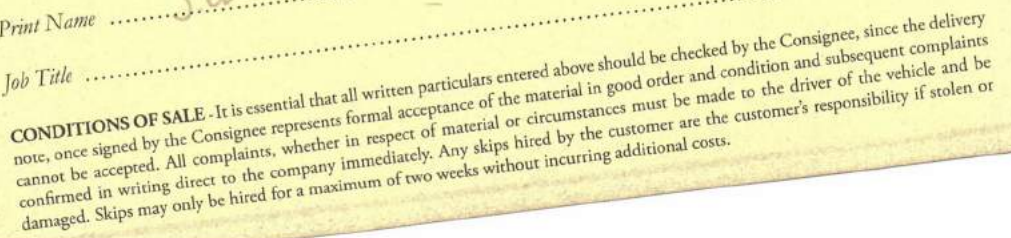
Print Name \_\_\_\_\_

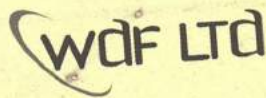
Job Title

Print Name S. [illegible]

Job Title [illegible]

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.





# W.D.F. Demolition & Excavation Limited

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ  
Office: 01706 843659 • Mobile: 07958 119466  
Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Nº 92132  
Date 22.9.21

Job No .....  
Licence No. CB/DU54473

Customer Name .....  
Site Address .....  
.....

Delivery Address .....  
.....

Driver Name ..... Wagon No. MPTA

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|---------------|--------------------------|-------------|-----------------|
| Description   |                          |             |                 |
| 1 x MUCK ADAY |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |

| Day Work | Hours Worked | Travel Time | Total Hours |
|----------|--------------|-------------|-------------|
|----------|--------------|-------------|-------------|

Print Name S. [Signature] Signature S. [Signature]

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

WDF LTD

5344

Nº 91910  
73-9-21

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Office: 01706 843659 • Mobile: 07958 119466  
Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Date .....  
Job No .....  
Licence No. CB/DU54473

Customer Name .....  
Site Address .....  
Delivery Address .....

Driver Name ..... Wagon No. ....

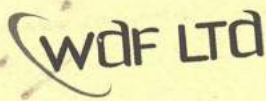
| Material     | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|--------------|--------------------------|-------------|-----------------|
| Description  |                          |             |                 |
| XI Muck Away |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |

| Day Work | Hours Worked | Travel Time | Total Hours |
|----------|--------------|-------------|-------------|
| .....    | .....        | .....       | .....       |

Print Name ..... Signature .....

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



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Nº 91312  
73-9-21  
Date .....

Job No .....

Licence No. CB/DU54473

Customer Name ..... *JOHN SOUTHWORTH*

Site Address ..... *MAYTON ST*

Delivery Address .....

Driver Name ..... *GAZ* Wagon No. .... *M79TCY*

| Material                          | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-----------------------------------|--------------------------|-------------|-----------------|
| Description                       |                          |             |                 |
| <i>X1</i> <i>MOCK</i> <i>AWAY</i> |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |
|                                   |                          |             |                 |

| Day Work | Hours Worked | Travel Time | Total Hours |
|----------|--------------|-------------|-------------|
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |
|          |              |             |             |

Print Name ..... *GAZ* Signature .....

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



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Nº 91647

Date 23-9-21

Job No.....

Licence No. CB/DU54473

Customer Name.....

Site Address .....

Delivery Address .....

Driver Name.....

Wagon No.....

| Material    | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-------------|--------------------------|-------------|-----------------|
| Muck        |                          |             |                 |
| Description |                          |             |                 |
| pl away     |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |

Day Work

Hours Worked

Travel Time

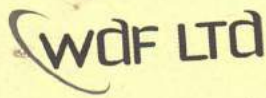
Total Hours

Print Name .....

Signature .....

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



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Nº 92146

Date 24 9 21

Job No.

Licence No. CB/DU54473

Customer Name

Site Address

Delivery Address

Driver Name

Wagon No.

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|---------------|--------------------------|-------------|-----------------|
| Description   |                          |             |                 |
| 1 x MUCK AD-7 |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name

Signature

Job Title

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 90768

Date 13/12/21

**W.D.F. Demolition & Excavation Limited**

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Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No .....

Licence No. CB/DU54473

Customer Name John Southworths

Site Address Openshaw

Delivery Address .....

Driver Name Joe Wagon No EA62 HLU

| Material                | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-------------------------|--------------------------|-------------|-----------------|
| Description             |                          |             |                 |
| 1 load of wet muck away |                          |             |                 |
|                         |                          |             |                 |
|                         |                          |             |                 |
|                         |                          |             |                 |
|                         |                          |             |                 |
|                         |                          |             |                 |
|                         |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name A Signature

Job Title

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 93955**W.D.F. Demolition & Excavation Limited**

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Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Date 13/12/21

Job No .....

Licence No. CB/DU54473

Customer Name John Southwood

Site Address Openshaw

Delivery Address .....

Driver Name Dylan Wagon No. P121CUB3

| Material            | 1 x 8<br>Wheeler<br>Load | Skip / Size | <del>Paid</del> Not Paid |
|---------------------|--------------------------|-------------|--------------------------|
| Muck                |                          |             |                          |
| Description         |                          |             |                          |
| 1 x load muck away. |                          |             |                          |
|                     |                          |             |                          |
|                     |                          |             |                          |
|                     |                          |             |                          |
|                     |                          |             |                          |
|                     |                          |             |                          |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name S. Sharma Signature

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignor represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

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Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Customer Name .....

Site Address .....

Delivery Address .....

Driver Name .....

Wagon No. ....

| Material     | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|--------------|--------------------------|-------------|-----------------|
| Description  |                          |             |                 |
| X1 Muck Away |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |
|              |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name .....

Signature .....

Job Title .....

**CONDITIONS OF SALE.** It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

**W.D.F. Demolition & Excavation Limited**  
Farm, Shaw, Oldham, OL2 7UJ  
07058 119466

**W.D.F. Demolition & Excavation**  
Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ  
Office: 01706 843659 • Mobile: 07958 119466  
Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Customer Name

Site Address

Delivery Address

Driver Name

Material

luck

| Description | Quantity | Unit   | Price  | Total  |
|-------------|----------|--------|--------|--------|
| 1.000       | 1.000    | 1.000  | 1.000  | 1.000  |
| 2.000       | 2.000    | 2.000  | 2.000  | 2.000  |
| 3.000       | 3.000    | 3.000  | 3.000  | 3.000  |
| 4.000       | 4.000    | 4.000  | 4.000  | 4.000  |
| 5.000       | 5.000    | 5.000  | 5.000  | 5.000  |
| 6.000       | 6.000    | 6.000  | 6.000  | 6.000  |
| 7.000       | 7.000    | 7.000  | 7.000  | 7.000  |
| 8.000       | 8.000    | 8.000  | 8.000  | 8.000  |
| 9.000       | 9.000    | 9.000  | 9.000  | 9.000  |
| 10.000      | 10.000   | 10.000 | 10.000 | 10.000 |
| 11.000      | 11.000   | 11.000 | 11.000 | 11.000 |
| 12.000      | 12.000   | 12.000 | 12.000 | 12.000 |
| 13.000      | 13.000   | 13.000 | 13.000 | 13.000 |
| 14.000      | 14.000   | 14.000 | 14.000 | 14.000 |
| 15.000      | 15.000   | 15.000 | 15.000 | 15.000 |
| 16.000      | 16.000   | 16.000 | 16.000 | 16.000 |
| 17.000      | 17.000   | 17.000 | 17.000 | 17.000 |
| 18.000      | 18.000   | 18.000 | 18.000 | 18.000 |
| 19.000      | 19.000   | 19.000 | 19.000 | 19.000 |
| 20.000      | 20.000   | 20.000 | 20.000 | 20.000 |
| 21.000      | 21.000   | 21.000 | 21.000 | 21.000 |
| 22.000      | 22.000   | 22.000 | 22.000 | 22.000 |
| 23.000      | 23.000   | 23.000 | 23.000 | 23.000 |
| 24.000      | 24.000   | 24.000 | 24.000 | 24.000 |
| 25.000      | 25.000   | 25.000 |        |        |

1 x 8

### Wheeler Load

Skip / Size

Wagon No

| Paid / Not Paid |  |
|-----------------|--|
| 1               |  |
| 2               |  |
| 3               |  |
| 4               |  |
| 5               |  |
| 6               |  |
| 7               |  |
| 8               |  |
| 9               |  |
| 10              |  |
| 11              |  |
| 12              |  |
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| 14              |  |
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| 87              |  |
| 88              |  |
| 89              |  |
| 90              |  |
| 91              |  |
| 92              |  |
| 93              |  |
| 94              |  |
| 95              |  |
| 96              |  |
| 97              |  |
| 98              |  |
| 99              |  |
| 100             |  |

1 x muck away

### Day Work

**Hours Worked**

### Travel Time

**Total Hours**

Print Name \_\_\_\_\_

Job Title

Signature \_\_\_\_\_

Print Name S. L. Cunningham

Job Title \_\_\_\_\_

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent co cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 92998**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Date 25/5/14

Job No. ....

Licence No. CB/DU54473

Customer Name John Southworth

Site Address .....

Delivery Address .....

Driver Name Tyler Wagon No. UPV

| Material    | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-------------|--------------------------|-------------|-----------------|
| Description |                          |             |                 |
| muck away   |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name John Southworth Signature [Signature]Job Title Driver

**CONDITIONS OF SALE** . It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



No 94220

Date 31/12/21

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No.....

Licence No. CB/DU54473

Customer Name John Southworth

Site Address openghaw

Delivery Address .....

Driver Name Ryan Wagon No PNG4 UDU

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|---------------|--------------------------|-------------|-----------------|
| MUCK          |                          |             |                 |
| Description   |                          |             |                 |
| 1 x MUCK away |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name [Signature] Signature [Signature]

Job Title Carver

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 54977

Date 24/3/22

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No.....

Licence No. CB/DU54473

Customer Name John Southworth

Site Address Mayton St

Delivery Address

Driver Name Dylan Wagon No CUB

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|---------------|--------------------------|-------------|-----------------|
| Muck          |                          |             |                 |
| Description   |                          |             |                 |
| 1 X Muck away |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name [Signature] Signature [Signature]

Job Title [Signature]

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



Nº 94985

Date 28/3/22

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No .....

Licence No. CB/DU54473

Customer Name John Southworth

Site Address Mayton St

Delivery Address .....

Driver Name Ryeen Wagon No CVA

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|---------------|--------------------------|-------------|-----------------|
| Muck          |                          |             |                 |
| Description   |                          |             |                 |
| 1 x Muck away |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |
|               |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name [Signature] Signature [Signature]

Job Title [Signature]

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# A & F Transport NW LTD

Tipper Hire & Aggregate Supplies

Newstead Drive, Bolton BL3 3RE Tel: 07908 664 186

E: andy.singh@aftransport.co.uk

COLLECTION / DELIVERY NOTE

01532

WCL No: **CBDU396110**

SIC CODE:

Date: 30-11-21

Customer: \_\_\_\_\_

*John Southworth's Builders*

Location: \_\_\_\_\_

*Mayton St, Openshaw*

Vehicle Reg: \_\_\_\_\_

*Y567 UXX*

Vehicle Type:

☒ 8W TIPPER

☐ 6W GRAB

☐ 8W GRAB

☐ OTHER

Material:

Weight: Tonne/KG

Delays or waiting time

*Muck  
Away*

Gross: *1x8w Load*

AAR \_\_\_\_\_ DEP \_\_\_\_\_ HR

Tare: \_\_\_\_\_

Reason for delay:

EWC Code:

Net: \_\_\_\_\_

Daywork \_\_\_\_\_ Hours Worked \_\_\_\_\_ Travel Time \_\_\_\_\_ Total Time \_\_\_\_\_

Consignee Signature: \_\_\_\_\_

Time: \_\_\_\_\_

Print Name: \_\_\_\_\_

**CONDITION OF SALE:** It is essential that all written particulars entered above should be carefully checked by the consignee since the delivery note, once signed by the consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.



# A & F Transport NW LTD

Tipper Hire & Aggregate Supplies

Newstead Drive, Bolton BL3 3RE Tel: 07908 664 186

E: andy.singh@aftransport.co.uk

## COLLECTION / DELIVERY NOTE

01534

WCL No: CBDU396110

SIC CODE:

Date: 30-11-21

Customer:

John Southworth Buide

Location:

Mayton St, Openshaw

Vehicle Reg:

YJ67UXX

Vehicle Type:

8W TIPPER

6W GRAB

8W GRAB

OTHER

Material:

Muck  
Away

Weight: Tonne/KG

Delays or waiting time

Gross:

1xaw load

AAR

DEP

HR

Tare:

Reason for delay:

EWC Code:

Net:

Daywork

Hours Worked

Travel Time

Total Time

Consignee Signature:

S. [Signature]

Time:

Print Name:

**CONDITION OF SALE:** It is essential that all written particulars entered above should be carefully checked by the consignee since the delivery note, once signed by the consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

No 96184

Date 23/3/22

Job No

Licence No. CB/DU54473

Customer Name Jann Southworth

Site Address

Delivery Address MATTON STREET, OPEN SHAW  
MANCHESTER

Driver Name Joanna Wagon No MT197W

| Material       | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid <input checked="" type="checkbox"/> Not Paid |
|----------------|--------------------------|-------------|---------------------------------------------------|
| Muck           |                          |             |                                                   |
| Description    |                          |             |                                                   |
| 1 x Muck Away. |                          |             |                                                   |
|                |                          |             |                                                   |
|                |                          |             |                                                   |
|                |                          |             |                                                   |
|                |                          |             |                                                   |
|                |                          |             |                                                   |
|                |                          |             |                                                   |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name Signature

Job Title

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# W.D.F. Demolition & Excavation Limited

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ  
Office: 01706 843659 • Mobile: 07958 119466  
Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Nº 95172

Date 01/02/2022

Job No.

Licence No. CB/DU54473

Customer Name JOHN SOUTHWORTH

Site Address MAYTON STREET

Delivery Address

Driver Name SAM Wagon No. PG21 BMV

| Material       | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|----------------|--------------------------|-------------|-----------------|
| MUCK           |                          |             |                 |
| Description    |                          |             |                 |
| 1 x MUCK AWAY. |                          |             |                 |
|                |                          |             |                 |
|                |                          |             |                 |
|                |                          |             |                 |
|                |                          |             |                 |
|                |                          |             |                 |
|                |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name S. Wainwright Signature Sean

Job Title

CONDITIONS OF SALE - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



# A & F Transport NW LTD

Tipper Hire & Aggregate Supplies

Newstead Drive, Bolton BL3 3RE Tel: 07908 664 186

E: andy.singh@aftransport.co.uk

## COLLECTION / DELIVERY NOTE

02973

WCL No: **CBDU396110**

SIC CODE:

Date: 18-11-21

Customer:

John Southworth Builders

Location:

Mayton sr, openshaw

Vehicle Reg:

YJ67UXX

Vehicle Type:

☒ 8W TIPPER

☐ 6W GRAB

☐ 8W GRAB

☐ OTHER

Material:

Weight: Tonne/KG

Delays or waiting time

brick  
away

Gross: 1x8w Load

AAR \_\_\_\_\_ DEP \_\_\_\_\_ HR

Tare: \_\_\_\_\_

Reason for delay:

EWC Code:

Net: \_\_\_\_\_

Daywork \_\_\_\_\_

Hours Worked \_\_\_\_\_

Travel Time \_\_\_\_\_

Total Time \_\_\_\_\_

Consignee Signature:

S. [Signature]

Time: \_\_\_\_\_

Print Name: \_\_\_\_\_

**CONDITION OF SALE:** It is essential that all written particulars entered above should be carefully checked by the consignee since the delivery note, once signed by the consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.



# A & F Transport NW LTD

Tipper Hire & Aggregate Supplies

Newstead Drive, Bolton BL3 3RE Tel: 07908 664 186

E: andy.singh@aftransport.co.uk

COLLECTION / DELIVERY NOTE

02709

WCL No: CBDU396110

SIC CODE:

Date: 22/11/21

Customer: \_\_\_\_\_

John Southworth

Location: \_\_\_\_\_

MAYTON ST MLCR

Vehicle Reg: \_\_\_\_\_

Y118 MFF

Vehicle Type:

8W TIPPER



6W GRAB

8W GRAB

OTHER

Material:

Weight: Tonne/KG

Delays or waiting time

Muck

Gross: \_\_\_\_\_

AAR \_\_\_\_\_ DEP \_\_\_\_\_ HR

Tare: \_\_\_\_\_

Reason for delay:

EWC Code: \_\_\_\_\_

Net: \_\_\_\_\_

Collected

Daywork \_\_\_\_\_

Hours Worked \_\_\_\_\_

Travel Time \_\_\_\_\_

Total Time \_\_\_\_\_

Consignee Signature: \_\_\_\_\_

G. Wynn

Time: \_\_\_\_\_

Print Name: \_\_\_\_\_

**CONDITION OF SALE:** It is essential that all written particulars entered above should be carefully checked by the consignee since the delivery note, once signed by the consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints whether in respect of material or circumstance of delivery must be made to the driver of the vehicle and confirmed in writing direct to the company immediately.

N<sup>o</sup> 92678**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Date 2-11-21

Job No

Licence No. CB/DU54473

Customer Name John Southworth

Site Address Manchester

Delivery Address

Driver Name Jack

Wagon No. PNB9400V

| Material      | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / <input checked="" type="checkbox"/> Not Paid |
|---------------|--------------------------|-------------|-----------------------------------------------------|
| Muck          |                          |             |                                                     |
| Description   |                          |             |                                                     |
| 1 x load away |                          |             |                                                     |
|               |                          |             |                                                     |
|               |                          |             |                                                     |
|               |                          |             |                                                     |
|               |                          |             |                                                     |
|               |                          |             |                                                     |
|               |                          |             |                                                     |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name

Signature

Job Title

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignor represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 88671

Date 1/11/21

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No .....

Licence No. CB/DU54473

Customer Name John Southworth

Site Address Openshaw

Delivery Address .....

Driver Name Joe Wagon No SA62 HLL

| Material            | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / <u>Not Paid</u> |
|---------------------|--------------------------|-------------|------------------------|
| Description         |                          |             |                        |
| 1 load of muck away |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |
|                     |                          |             |                        |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name [Signature] Signature [Signature]

Job Title [Signature]

**CONDITIONS OF SALE** . It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.

N<sup>o</sup> 93254

Date 26-10-21

**W.D.F. Demolition & Excavation Limited**

Whitfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No. ....

Licence No. CB/DU54473

Customer Name Southworth

Site Address Openshaw

Delivery Address .....

Driver Name Doble Wagon No. P521CVA

| Material    | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-------------|--------------------------|-------------|-----------------|
| MUCK        |                          |             |                 |
| Description |                          |             |                 |
| xl muck     |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name .....

Signature

Job Title .....

**CONDITIONS OF SALE** - It is essential that all written particulars entered above should be checked by the Consignee, since the delivery note, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent complaints cannot be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the vehicle and be confirmed in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility if stolen or damaged. Skips may only be hired for a maximum of two weeks without incurring additional costs.



Nº 93059

Date 27-10-21

**W.D.F. Demolition & Excavation Limited**

Whitchfield Dairy Farm, Shaw, Oldham, OL2 7UJ

Office: 01706 843659 • Mobile: 07958 119466

Email: info@wdf-ltd.co.uk • www.wdf-ltd.co.uk

Job No .....

Licence No. CB/DU54473

Customer Name JOHN SOUTHWORTH BUILDERS

Site Address MAYTON STREET

OPENSHAW

Delivery Address .....

Driver Name ROB Wagon No MT19TZZ

| Material    | 1 x 8<br>Wheeler<br>Load | Skip / Size | Paid / Not Paid |
|-------------|--------------------------|-------------|-----------------|
| Description |                          |             |                 |
| X1 MUCKAWAY |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |
|             |                          |             |                 |

Day Work

Hours Worked

Travel Time

Total Hours

Print Name A. [Signature] Signature [Signature]

Job Title C. [Signature]

**CONDITIONS OF SALE.** It is essential that all written particulars entered above should be checked by the Consignee, signed by the Consignee, once signed by the Consignee represents formal acceptance of the material in good order and condition and subsequent to be accepted. All complaints, whether in respect of material or circumstances must be made to the driver of the skip in writing direct to the company immediately. Any skips hired by the customer are the customer's responsibility. Skips may only be hired for a maximum of two weeks without incurring additional costs.

## **APPENDIX 03**

### **Photographs**



**Photograph 1**  
**150mm of topsoil and 450mm of subsoil emplaced in VP01.**



**Photograph 2**  
**Landscaped area showing VP01 location prior to completion of topsoil capping.**



**Photograph 3**  
**250mm of topsoil and 350mm of subsoil emplaced in VP02.**



**Photograph 4**  
**Landscaped area showing VP02 location.**



**Photograph 5**  
**300mm of topsoil overlying 250mm of subsoil emplaced in VP03.**



**Photograph 6**  
**Landscaped area showing VP03 location.**



**Photograph 7**  
**150mm of topsoil overlying 450mm of subsoil in VP04.**



**Photograph 8**  
**Landscaped area showing VP04 location.**



**Photograph 9**  
**Confirmation of 150mm of topsoil emplaced in VP04.**



**Photograph 10**  
**450mm of subsoil emplaced in VP05 prior to importation and placement of topsoil.**



**Photograph 11**  
**150mm of topsoil emplaced over subsoil at VP05.**



**Photograph 12**  
**Landscaped area at VP05 following placement of topsoil.**



**Photograph 13**  
**250mm topsoil overlying 250mm of subsoil at VP06 prior to the importation of additional topsoil.**



**Photograph 14**  
**Confirmation of 350mm of topsoil emplaced in VP06 following additional soil import.**



**Photograph 15**  
**Landscaped area showing VP06 location.**



**Photograph 16**  
**300mm of topsoil overlying 300mm of subsoil emplaced in VP07.**



**Photograph 17**  
**Confirmation of 300mm thickness of topsoil emplaced at VP07.**



**Photograph 18**  
**Landscaped area showing emplaced soil at VP07. The site manager confirmed the area would be rotavated prior to additional topsoil placement.**



**Photograph 19**  
**Confirmation of 150mm of topsoil, 100mm of subsoil and 350mm of natural clay deposits in VP08.**



**Photograph 20**  
**Landscaped area showing emplaced soil at VP08. The site manager confirmed the area would be rotavated prior to finalisation.**



**Photograph 21**  
**Natural clay from beneath imported subsoil in VP08.**



**Photograph 22**  
**200mm of subsoil emplaced in VP09 prior to the import of topsoil.**



**Photograph 23**  
**200mm of imported topsoil at VP09 following import.**



**Photograph 24**  
**Landscaped area showing imported topsoil at VP09.**



**Photograph 25**  
**300mm of subsoil emplaced in VP10 prior to the import of topsoil.**



**Photograph 26**  
**Landscaped area showing 250mm imported topsoil at VP10.**



**Photograph 27**  
**Landscaped area showing imported soil at VP10.**



**Photograph 28**  
**300mm of subsoil emplaced in VP11 prior to the placement of topsoil.**



**Photograph 29**  
**Landscaped area at VP11 following 150mm topsoil import.**



**Photograph 30**  
**450mm of subsoil emplaced in VP12 prior to the placement of 150mm topsoil.**



**Photograph 31**  
**Landscaped area showing imported subsoil at VP12 prior to topsoil import.**



**Photograph 32**  
**250mm of subsoil emplaced in VP13.**



**Photograph 33**  
**150mm of topsoil emplaced at VP13 following original pit excavation.**



**Photograph 34**  
**Landscaped area showing imported topsoil at VP13.**



**Photograph 35**  
**450mm of imported subsoil emplaced at VP14 prior to 150mm topsoil placement.**



**Photograph 36**  
**300mm of imported topsoil overlying 300mm subsoil in VP15.**



**Photograph 37**  
**Overview of landscaped area at VP15 following soil emplacement.**



**Photograph 38**  
**200mm of imported topsoil in VP16.**



**Photograph 39**  
**Overview of landscaped area at VP16 following topsoil emplacement.**



**Photograph 40**  
**Stockpiled imported subsoil prior to emplacement.**



**Photograph 41**  
**Stockpiled imported topsoil prior to emplacement.**



**Photograph 42**  
**Overview of rear garden areas showing progressive placement of topsoil over imported subsoil on 16<sup>th</sup> June 2022.**



**Photograph 43**  
**Rear garden areas of Plots 18 to 21, showing retained tree prior to cover placement.**



**Photograph 44**  
**Overview of front garden areas of Plots 6 to 12, showing partial cover system in place on 16<sup>th</sup> June 2022.**



**Photograph 45**  
**Confirmation of 200mm topsoil emplaced into Plot 6 front garden.**



**Photograph 46**  
**Confirmation of emplacement of topsoil onto Plot 13 rear garden.**



**Photograph 47**  
**Capping soils emplaced to rear of Plots 18 to 21, including around retained tree.**

## **APPENDIX 04**

### **Chemical Analyses from Source**



Freeland Horticulture Ltd  
Rosedale Nursery  
College Road  
Hextable  
Kent BR8 7LT

Attention: Philippa Lambourne

Our Ref: SLC-1030-SA

25 April 2022

Dear Philippa

***Topsoil Analysis Report: Astley, Greater Manchester Topsoil – April 2022***

We have completed the analysis of the topsoil sample recently taken from the above site and it has been forwarded to an approved laboratory for analysis and have the pleasure of reporting our findings. The purpose of the analysis was to determine the suitability of the topsoil for general landscaping purposes and its compliance with the current British Standard for topsoil (BS3882).

**SOIL SAMPLING & EXAMINATION**

At the time of our sampling visit the topsoil was stored in a stockpile. A series of 10 hand augered trial holes were constructed across the stockpile for the purpose of soil examination and sample collection. As the soil examination confirmed a consistent topsoil composition, the ten samples were combined together to form one composite sample for analysis purposes. The soil was described as dark brown, slightly moist and friable with a well-developed, fine to medium granular structure. The soil contained a low fraction of small stones and no deleterious materials (eg. building waste materials, glass, roots or rhizomes of pernicious weeds) or unusual odours (eg. hydrocarbons) were recorded.

**LABORATORY ANALYSIS**

The topsoil sample was submitted to a UKAS and MCERTS accredited laboratory for routine physical and chemical parameters to confirm the composition and fertility of the soil. The following parameters were determined:

- ⊕ pH & electrical conductivity values;
- ⊕ major plant nutrients (N, P, K, Mg) & organic matter content;
- ⊕ particle size distribution and stone content;
- ⊕ heavy metals & potentially toxic elements (As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Zn, B);
- ⊕ sulphate, sulphur, sulphide;
- ⊕ total cyanide and total (mono) phenols;
- ⊕ speciated PAHs (US EPA16)
- ⊕ banded aromatic and aliphatic petroleum hydrocarbons (C<sub>5</sub>-C<sub>35</sub>).
- ⊕ Asbestos

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

---

Phone: 01322 619161;

*Freeland horticulture Ltd, Registered in England: Rosedale Nursery, College Road, Hextable, Kent BR8 7LT  
Company Registration No: 04015968*

---

## **COMMENTS**

### ***pH & Electrical Conductivity (salinity) Values***

The sample was alkaline in nature (pH 8.3) with a pH value that would be considered suitable for general landscaping purposes.

The electrical conductivity (salinity) value using the soil:water extract was (1126µS/cm) indicating that soluble salts are not present at levels that would be harmful to plants.

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

### ***Organic Matter & Nutrient Status***

The sample was rich in organic matter and all major plant nutrients. No further additions of compost or fertiliser are required, or indeed recommended, for at least the first growing season.

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

### ***Particle Size Distribution & Stone Content***

The sample contained 73% sand and fell into the sandy loam texture class. This particle size distribution is considered suitable for a broad range of landscape applications, including tree and shrub planting, turfing and seeding.

The sample was Virtually free from stones of 50 mm and upwards in diameter and only contained a slight fraction of smaller stones (2.4%). As such, stones will not restrict the use of the soil for landscaping purposes.

### ***Potential Contaminants***

We are not aware of any specified contaminant levels set for the proposed end-use of this topsoil. This includes human health, environmental protection and metals considered toxic to plants. In the absence of any site-specific assessment criteria, the concentrations that affect human health have been compared with the 'residential with homegrown produce' land use in the Suitable For Use Levels presented in 'The LQM/CIEH S4Us' for Human Health Risk Assessment (2015) and DEFRA SP1010: 'Development of Category 4 Screening Levels' for Assessment of Land Affected by Contamination – Policy Companion Document (2014).

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

## **CONCLUSION**

The purpose of the analysis was to determine the suitability of the topsoil for general landscaping purposes. From the soil examination and laboratory analysis, the soil is described as an alkaline, non-saline, sandy loam. The organic matter and nutrient levels are acceptable, and no significant contamination was found with respect to the parameters determined. This soil would adhere to the current BS3882 specification for 'multipurpose grade'.

To conclude, based on our findings, the topsoil would be considered well-suited to general landscaping purposes provided the physical condition of the soil is maintained.

---

We hope this report meets with your approval and provides the necessary information. Please do not hesitate to contact the undersigned if you have any queries or comments.

George Longmuir MSc Soil Sci. M.I Soil Sci.

|            |                            |
|------------|----------------------------|
| Client     | Freeland Horticulture Ltd  |
| Job Name   | Topsoil Analysis           |
| Site       | Astley, Greater Manchester |
| Month/Year | April 22                   |
| Our Ref    | 1030-SA                    |
| Date       | 25 April 2022              |

#### Composite sample

#### pH Value & Salinity

|                                                            |       |      |
|------------------------------------------------------------|-------|------|
| pH value (1:2.5 soil/water ext)                            | units | 8.3  |
| Electrical Conductivity (1:2.5 soil/water ext)             | µS/cm | 1126 |
| Electrical Conductivity (1:2.5 soil/CaSO <sub>4</sub> ext) | µS/cm | 2998 |
| Neutralising Value (CaCO <sub>3</sub> equivalent)          | %     | 6.4  |

#### Organic Matter & Nutrient Status

|                          |      |       |
|--------------------------|------|-------|
| Organic Matter (LOI)     | %    | 15.2  |
| Organic Carbon (Derived) | %    | 8.8   |
| Total Nitrogen           | %    | 0.623 |
| Carbon:Nitrogen Ratio    | :1   | 14.2  |
| Available Phosphorus     | mg/l | 58.8  |
| Available Potassium      | mg/l | 1072  |
| Available Magnesium      | mg/l | 177   |

#### Particle Size Analysis & Stones

|                      |          |            |
|----------------------|----------|------------|
| Clay (<0.002mm)      | %        | 8          |
| Silt (0.063-0.002mm) | %        | 13         |
| Sand (2.0-0.063mm)   | %        | 73         |
| Texture Class        | UK Class | Sandy Loam |

|                |         |     |
|----------------|---------|-----|
| Stones 2-20mm  | % by DW | 2.4 |
| Stones 20-50mm | % by DW | 0.0 |
| Stones >50mm   | % by DW | 0.0 |

#### Potential Contaminants

|                                                         |       |      |
|---------------------------------------------------------|-------|------|
| Total Arsenic (As)                                      | mg/kg | 6.0  |
| Total Cadmium (Cd)                                      | mg/kg | 0.32 |
| Total Chromium (Cr)                                     | mg/kg | 27.3 |
| Hexavalent Chromium (Cr <sup>VI</sup> )                 | mg/kg | <0.2 |
| Total Copper (Cu)                                       | mg/kg | 25.2 |
| Total Lead (Pb)                                         | mg/kg | 35.3 |
| Total Mercury (Hg)                                      | mg/kg | <0.2 |
| Total Nickel (Ni)                                       | mg/kg | 15.6 |
| Total Selenium (Se)                                     | mg/kg | 0.21 |
| Total Zinc (Zn)                                         | mg/kg | 82.8 |
| Total Beryllium (Be)                                    | mg/kg | <1   |
| Total Barium (Ba)                                       | mg/kg | 84.9 |
| Total Vanadium (V)                                      | mg/kg | 14.9 |
| Hot Water Soluble Boron (B)                             | mg/kg | 1.9  |
| Total Cyanide (CN)                                      | mg/kg | <1   |
| Elemental Sulphur (S)                                   | mg/kg | 8.8  |
| Easily Liberated Sulphide (S <sup>2-</sup> )            | mg/kg | <1   |
| Water Soluble Sulphate (SO <sub>4</sub> <sup>2-</sup> ) | mg/l  | 169  |
| Total Phenols Index                                     | mg/kg | <1   |
| Asbestos Screen                                         | -     | N.D. |

|            |                            |
|------------|----------------------------|
| Client     | Freeland Horticulture Ltd  |
| Job Name   | Topsoil Analysis           |
| Site       | Astley, Greater Manchester |
| Month/Year | April 22                   |
| Our Ref    | 1030-SA                    |
| Date       | 25 April 2022              |

#### Polyaromatic Hydrocarbons

|                          |       |       |
|--------------------------|-------|-------|
| Naphthalene              | mg/kg | <0.05 |
| Acenaphthylene           | mg/kg | <0.05 |
| Acenaphthene             | mg/kg | <0.05 |
| Fluorene                 | mg/kg | <0.05 |
| Phenanthrene             | mg/kg | <0.1  |
| Anthracene               | mg/kg | <0.05 |
| Fluoranthene             | mg/kg | 0.2   |
| Pyrene                   | mg/kg | 0.2   |
| Benzo[a]anthracene       | mg/kg | 0.1   |
| Chrysene                 | mg/kg | 0.1   |
| Benzo[b]fluoranthene     | mg/kg | 0.1   |
| Benzo[k]fluoranthene     | mg/kg | <0.1  |
| Benzo[a]pyrene           | mg/kg | <0.1  |
| Indeno[1,2,3-cd]pyrene   | mg/kg | <0.1  |
| Dibenzo[a,h]anthracene   | mg/kg | <0.1  |
| Benzo[g,h,i]perylene     | mg/kg | <0.1  |
| Total PAHs sum US EPA 16 | mg/kg | <1    |

#### Banded Petroleum Hydrocarbons

|                                                 |       |       |
|-------------------------------------------------|-------|-------|
| Aliphatic TPH >C <sub>5</sub> -C <sub>6</sub>   | mg/kg | <0.05 |
| Aliphatic TPH >C <sub>6</sub> -C <sub>8</sub>   | mg/kg | <0.05 |
| Aliphatic TPH >C <sub>8</sub> -C <sub>10</sub>  | mg/kg | <0.05 |
| Aliphatic TPH >C <sub>10</sub> -C <sub>12</sub> | mg/kg | <10   |
| Aliphatic TPH >C <sub>12</sub> -C <sub>16</sub> | mg/kg | <10   |
| Aliphatic TPH >C <sub>16</sub> -C <sub>21</sub> | mg/kg | <10   |
| Aliphatic TPH >C <sub>21</sub> -C <sub>35</sub> | mg/kg | 25.0  |
| Aliphatic TPH >C <sub>35</sub> -C <sub>44</sub> | mg/kg | <12   |

|                                                |       |       |
|------------------------------------------------|-------|-------|
| Aromatic TPH >C <sub>5</sub> -C <sub>7</sub>   | mg/kg | <0.05 |
| Aromatic TPH >C <sub>7</sub> -C <sub>8</sub>   | mg/kg | <0.05 |
| Aromatic TPH >C <sub>8</sub> -C <sub>10</sub>  | mg/kg | <0.05 |
| Aromatic TPH >C <sub>10</sub> -C <sub>12</sub> | mg/kg | <10   |
| Aromatic TPH >C <sub>12</sub> -C <sub>16</sub> | mg/kg | <10   |
| Aromatic TPH >C <sub>16</sub> -C <sub>21</sub> | mg/kg | 17.0  |
| Aromatic TPH >C <sub>21</sub> -C <sub>35</sub> | mg/kg | 99.0  |
| Aromatic TPH >C <sub>35</sub> -C <sub>44</sub> | mg/kg | 69.0  |

|                                                                 |       |     |
|-----------------------------------------------------------------|-------|-----|
| Total Petroleum Hydrocarbons (C <sub>5</sub> -C <sub>44</sub> ) | mg/kg | 210 |
|-----------------------------------------------------------------|-------|-----|

#### BTEX

|               |       |       |
|---------------|-------|-------|
| Benzene       | mg/kg | <0.02 |
| Toluene       | mg/kg | <0.2  |
| Ethyl Benzene | mg/kg | <0.04 |
| m- & p-Xylene | mg/kg | <0.2  |
| o-Xylene      | mg/kg | <0.1  |

TABLE - SITE-WON RE-USE CRITERIA FOR SOILS

Key

Criteria Zone

above detection limits

exceeds criteria

Compound not in standard testing suite

Current:  
Based on  
If from

|                                   |         |           |
|-----------------------------------|---------|-----------|
| Lab Sample ID                     |         | 16/05/99/ |
| Client Sample No                  |         | 1         |
|                                   |         | 01        |
| Client Sample ID                  |         | Fletcher  |
| Depth to Top                      |         | Bank      |
| Depth to Bottom                   |         | Quarry    |
| Date Sampled                      |         | 20-Sep-16 |
| Sample Type                       |         | Soil      |
| Sample Matrix Code                |         | 4A        |
| % Moisture                        |         | 7.5       |
| % Stones >10mm                    |         | 17.9      |
| pH                                |         | 8.68      |
| Sulphate (water sol 2:1)          |         | 0.02      |
| Sulphate (acid soluble)           |         | <200      |
| Cyanide (total)                   | 3.00    | <1        |
| Phenols - Total by HPLC           |         | <0.2      |
| Sulphide                          |         | <15       |
| Antimony                          | 30.40   |           |
| Arsenic                           | 277.80  | <1        |
| Barium                            |         | 70        |
| Beryllium                         |         | 1         |
| Boron (water soluble)             | 11.95   | <1.0      |
| Cadmium                           | 8.10    | <0.5      |
| Copper                            | 858.80  | 32        |
| Chromium                          | 33.60   | 16        |
| Chromium (hexavalent)             | 2.00    | <1        |
| Lead                              | 918.40  | 17        |
| Mercury                           | 1.40    | <0.17     |
| Nickel                            | 78.00   | 16        |
| Selenium                          | 6.00    | <1        |
| Vanadium                          | 75.20   | 14        |
| Zinc                              | 3196.00 | 64        |
| Asbestos in Soil (Quantification) | <0.1%   |           |
|                                   |         | NAD       |
|                                   |         | N/A       |
| PAH 16                            |         |           |
| Acenaphthene                      | 1.00    | <0.01     |
| Acenaphthylene                    | 0.68    | <0.01     |
| Anthracene                        | 1.00    | <0.02     |
| Benzo(a)anthracene                | 2.30    | <0.04     |
| Benzo(a)pyrene                    | 1.90    | <0.04     |
| Benzo(b)fluoranthene              | 2.20    | <0.05     |
| Benzo(ghi)perylene                | 1.10    | <0.05     |
| Benzo(k)fluoranthene              | 1.00    | <0.07     |
| Chrysene                          | 2.48    | <0.06     |
| Dibenzo(ah)anthracene             | 0.77    | <0.04     |
| Fluoranthene                      | 5.39    | <0.08     |
| Fluorene                          | 1.00    | <0.01     |
| Indeno(123-cd)pyrene              | 1.00    | <0.03     |
| Naphthalene                       | 1.20    | <0.03     |
| Phenanthrene                      | 4.14    | <0.03     |
| Pyrene                            | 4.39    | <0.07     |
| PAH (total 16)                    | 33.32   | <0.08     |
| SVOC excluding PAH-16             |         |           |
| Hexachlorobenzene                 | 1000.00 | <100      |
| Diethyl phthalate                 |         | <100      |
| Dimethyl phthalate                |         | <100      |
| Dibenzofuran                      | 1000.00 | <100      |
| Carbazole                         | 864.00  | <100      |
| Butylbenzyl phthalate             | 1000.00 | <100      |
| Bis(2-ethylhexyl)phthalate        | 1000.00 | <100      |
| Bis(2-chloroethoxy)methane        |         | <100      |
| Bis(2-chloroethyl)ether           |         | <100      |
| 4-Nitrophenol                     |         | <100      |
| 4-Methylphenol                    | 200.00  | <100      |
| 4-Chloro-3-methylphenol           |         | <100      |
| 2-Nitrophenol                     |         | <100      |
| 2-Methylphenol                    |         | <100      |
| 1,2,4-Trichlorobenzene            | 500.00  |           |
| 2-Chlorophenol                    |         | <100      |
| 2,6-Dinitrotoluene                |         | <100      |
| 2,4-Dinitrotoluene                |         | <100      |
| 2,4-Dimethylphenol                |         | <100      |
| 2,4-Dichlorophenol                |         | <100      |
| 2,4,6-Trichlorophenol             |         | <100      |
| 2,4,5-Trichlorophenol             |         | <100      |
| 1,4-Dichlorobenzene               | 200.00  |           |
| 1,3-Dichlorobenzene               | 200.00  |           |
| 1,2-Dichlorobenzene               | 200.00  |           |
| 2-Chloronaphthalene               |         | <100      |
| 2-Methylnaphthalene               | 200.00  | <100      |
| Bis(2-chloroisopropyl)ether       |         | <100      |
| 2,4-Dinitrophenol                 |         |           |
| 4,6-Dinitro-2-methylphenol        |         |           |
| Phenol                            | 1000.00 | <100      |
| Pentachlorophenol                 |         | <100      |
| n-Nitroso-n-dipropylamine         |         | <100      |
| n-Diethylphthalate                |         | <100      |
| n-Dibutylphthalate                |         | <100      |
| Nitrobenzene                      |         | <100      |
| Isophorone                        |         | <100      |
| Hexachloroethane                  | 1000.00 | <100      |
| Hexachlorocyclopentadiene         |         | <100      |
| Hexachlorobutadiene               | 200.00  |           |
| Perylene                          |         | <100      |
| Hexachloro 1,3 butadiene          | 200.00  |           |
| DDT                               | 200.00  |           |
| DDD                               | 200.00  |           |

|                             |        |       |
|-----------------------------|--------|-------|
| <b>VOC</b>                  |        |       |
| Dichlorodifluoromethane     |        | <1    |
| Chloromethane               |        | <10   |
| Vinyl Chloride              | 100.00 | <1    |
| Bromomethane                |        | <1    |
| Chloroethane                |        | <10   |
| Trichlorofluoromethane      |        | <1    |
| 1,1-Dichloroethene          | 100.00 | <1    |
| Carbon Disulphide           | 200.00 | <1    |
| Dichloromethane             | 100.00 | <5    |
| trans 1,2-Dichloroethene    | 100.00 | <1    |
| 1,1-Dichloroethane          | 100.00 | <1    |
| cis 1,2-Dichloroethene      | 100.00 | <1    |
| 2,2-Dichloropropane         |        | <1    |
| Bromochloromethane          |        | <5    |
| Chloroform                  | 100.00 | <1    |
| 1,1,1-Trichloroethane       | 100.00 | <1    |
| 1,1-Dichloropropene         |        | <1    |
| Carbon Tetrachloride        | 100.00 | <1    |
| 1,2-Dichloroethane          | 100.00 | <2    |
| Benzene                     |        | <1    |
| Trichloroethene             | 100.00 | <1    |
| 1,2-Dichloropropane         |        | <1    |
| Dibromomethane              |        | <1    |
| Bromodichloromethane        |        | <10   |
| cis 1,3-Dichloropropene     |        | <1    |
| Toluene                     |        | <1    |
| trans 1,3-Dichloropropene   |        | <1    |
| 1,1,2-Trichloroethane       | 100.00 | <1    |
| 1,3-Dichloropropane         |        | <1    |
| Tetrachloroethene           | 100.00 | <1    |
| Dibromochloromethane        |        | <3    |
| 1,2-Dibromoethane           |        | <1    |
| Chlorobenzene               | 100.00 | <1    |
| 1,1,1,2-Tetrachloroethane   | 100.00 | <1    |
| Ethylbenzene                |        | <1    |
| m & p Xylene                |        | <1    |
| o-Xylene                    |        | <1    |
| Styrene                     | 100.00 | <1    |
| Bromoform                   |        | <1    |
| Isopropylbenzene            | 200.00 | <1    |
| 1,1,2,2-Tetrachloroethane   | 100.00 | <1    |
| 1,2,3-Trichloropropane      |        | <1    |
| Bromobenzene                |        | <1    |
| n-Propylbenzene             | 200.00 | <1    |
| 2-Chlorotoluene             |        | <1    |
| 1,3,5-Trimethylbenzene      | 100.00 | <1    |
| 4-Chlorotoluene             |        | <1    |
| tert-Butylbenzene           | 200.00 | <2    |
| 1,2,4-Trimethylbenzene      |        | <1    |
| sec-Butylbenzene            | 200.00 | <1    |
| 4-Isopropyltoluene          | 200.00 | <1    |
| 1,3-Dichlorobenzene         | 200.00 | <1    |
| 1,4-Dichlorobenzene         | 200.00 | <1    |
| n-Butylbenzene              | 200.00 | <1    |
| 1,2-Dichlorobenzene         | 200.00 | <1    |
| 1,2-Dibromo-3-chloropropane | 200.00 | <2    |
| 1,2,4-Trichlorobenzene      | 500.00 | <3    |
| Hexachlorobutadiene         | 200.00 | <1    |
| 1,2,3-Trichlorobenzene      | 200.00 | <3    |
| 1,3,5- Trichlorobenzene     | 200.00 |       |
| <b>TPH CW6</b>              |        |       |
| All >C5-C8                  | 0.06   | <0.01 |
| All >C6-C8                  | 10.00  | <0.01 |
| All >C8-C10                 | 10.00  | <0.01 |
| All >C10-C12                | 10.00  | <0.1  |
| All >C12-C16                | 15.70  | <0.1  |
| All >C16-C21                | 47.00  | <0.1  |
| All >C21-C35                | 180.00 | <0.1  |
| All >C35-C44                | 21.40  | <0.1  |
| Total Aliphatics            |        | <0.1  |
| Aro >C5-C7                  | 0.02   | <0.01 |
| Aro >C7-C8                  | 10.00  | <0.01 |
| Aro >C8-C9                  | 10.00  | <0.01 |
| Aro >C9-C10                 | 10.00  | <0.01 |
| Aro >C10-C12                | 10.00  | <0.1  |
| Aro >C12-C16                | 32.00  | <0.1  |
| Aro >C16-C21                | 72.00  | <0.1  |
| Aro >C21-C35                | 279.00 | <0.1  |
| Aro >C35-C44                | 41.02  | <0.1  |
| Total Aromatics             |        | <0.1  |
| TPH (All & Aro)             | 548.71 | <0.1  |
| BTEX - Benzene              | 0.02   | <0.01 |
| BTEX - Toluene              | 0.02   | <0.01 |
| BTEX - Ethyl Benzene        | 0.02   | <0.01 |
| BTEX - m & p Xylene         |        | <0.01 |
| BTEX - o Xylene             |        | <0.01 |
| TOTAL Xylenes               | 0.02   |       |
| MTBE                        | 2.00   | <0.01 |

## **APPENDIX 04**

### **Chemical Analyses from Site**

## FINAL ANALYTICAL TEST REPORT

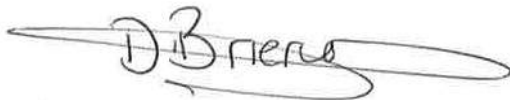
**Envirolab Job Number:** 22/05991  
**Issue Number:** 1

**Date:** 27 June, 2022

**Client:** WML Construction  
No 8 Oak Green  
Earl Road  
Stanley Green Business Park  
Cheadle Hulme  
Cheshire  
SK8 6QL

**Project Manager:** Thomas Sheen  
**Project Name:** Mayton Street  
**Project Ref:** 8755G  
**Order No:** 8755G  
**Date Samples Received:** 17/06/22  
**Date Instructions Received:** 20/06/22  
**Date Analysis Completed:** 27/06/22

**Approved by:**



Danielle Brierley  
Deputy Client Services Supervisor

Envirolab Job Number: 22/05991

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                       | 22/05991/1 | 22/05991/2 | 22/05991/3 | 22/05991/4 | 22/05991/5 | 22/05991/6 | 22/05991/7 | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|-------------|
| Client Sample No                                    | 1          | 1          | 1          | 1          | 1          | 1          | 1          |       |                    |             |
| Client Sample ID                                    | TS SP01    | TS SP02    | TS UC SP01 | TS P15R    | TS P11R    | SS SP01    | SS P07F    |       |                    |             |
| Depth to Top                                        |            |            |            | 0.00       | 0.00       |            | 0.00       |       |                    |             |
| Depth To Bottom                                     |            |            |            | 0.10       | 0.10       |            | 0.10       |       |                    |             |
| Date Sampled                                        | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |       |                    |             |
| Sample Type                                         | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |       |                    |             |
| Sample Matrix Code                                  | 4A         | 4AE        | 4AE        | 4AE        | 4AE        | 4A         | 4A         |       |                    |             |
| % Stones >10mm <sub>A</sub>                         | <0.1       | <0.1       | <0.1       | 3.4        | <0.1       | <0.1       | <0.1       | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 8.11       | 7.81       | 7.64       | 7.81       | 7.99       | 8.54       | 8.52       | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 0.10       | 0.07       | 0.49       | 0.10       | 0.08       | 0.03       | 0.02       | g/l   | 0.01               | A-T-026s    |
| Sulphate (acid soluble) <sub>D</sub> <sup>M#</sup>  | 400        | 250        | 1400       | 390        | 520        | <200       | <200       | mg/kg | 200                | A-T-028s    |
| Sulphur (total) <sub>D</sub>                        | 560        | 399        | 822        | 665        | 801        | 259        | 169        | mg/kg | 50                 | A-T-024s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 4.0        | 4.4        | 3.4        | 3.6        | 4.7        | 0.3        | 0.4        | % w/w | 0.1                | A-T-032 OM  |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | 5          | <1         | 11         | <1         | 2          | <1         | <1         | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub>                  | 1.6        | 2.4        | <1.0       | 2.5        | 2.4        | <1.0       | <1.0       | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub> <sup>M#</sup>                  | 0.5        | <0.5       | 0.6        | <0.5       | 0.6        | <0.5       | <0.5       | mg/kg | 0.5                | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 15         | 11         | 41         | 23         | 21         | 6          | 5          | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 19         | 21         | 96         | 22         | 25         | 14         | 33         | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 10         | 8          | 17         | 11         | 17         | 17         | 17         | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-024s    |
| Vanadium <sub>D</sub> <sup>M#</sup>                 | 14         | 11         | 22         | 16         | 16         | 13         | 12         | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 59         | 33         | 91         | 52         | 58         | 30         | 28         | mg/kg | 5                  | A-T-024s    |

Envirolab Job Number: 22/05991

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                                   | 22/05991/1 | 22/05991/2 | 22/05991/3 | 22/05991/4 | 22/05991/5 | 22/05991/6 | 22/05991/7 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                                | 1          | 1          | 1          | 1          | 1          | 1          | 1          |       |                    |            |
| Client Sample ID                                                | TS SP01    | TS SP02    | TS UC SP01 | TS P15R    | TS P11R    | SS SP01    | SS P07F    |       |                    |            |
| Depth to Top                                                    |            |            |            | 0.00       | 0.00       |            | 0.00       |       |                    |            |
| Depth To Bottom                                                 |            |            |            | 0.10       | 0.10       |            | 0.10       |       |                    |            |
| Date Sampled                                                    | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |       |                    |            |
| Sample Type                                                     | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |       |                    |            |
| Sample Matrix Code                                              | 4A         | 4AE        | 4AE        | 4AE        | 4AE        | 4A         | 4A         |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |            |            |            |            |            |       |                    |            |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        | NAD        | NAD        | NAD        | NAD        | NAD        | NAD        |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                           | -          | -          | -          | -          | -          | -          | -          |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                       | -          | -          | -          | -          | -          | -          | -          |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub> | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    | A-T-045    |

Envirolab Job Number: 22/05991

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                    | 22/05991/1 | 22/05991/2 | 22/05991/3 | 22/05991/4 | 22/05991/5 | 22/05991/6 | 22/05991/7 | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                 | 1          | 1          | 1          | 1          | 1          | 1          | 1          |       |                    |            |
| Client Sample ID                                 | TS SP01    | TS SP02    | TS UC SP01 | TS P15R    | TS P11R    | SS SP01    | SS P07F    |       |                    |            |
| Depth to Top                                     |            |            |            | 0.00       | 0.00       |            | 0.00       |       |                    |            |
| Depth To Bottom                                  |            |            |            | 0.10       | 0.10       |            | 0.10       |       |                    |            |
| Date Sampled                                     | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |       |                    |            |
| Sample Type                                      | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |       |                    |            |
| Sample Matrix Code                               | 4A         | 4AE        | 4AE        | 4AE        | 4AE        | 4A         | 4A         |       |                    |            |
| PAH-16MS                                         |            |            |            |            |            |            |            |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | <0.01      | <0.01      | 0.08       | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | <0.02      | <0.02      | 0.16       | <0.02      | <0.02      | <0.02      | <0.02      | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | <0.04      | <0.04      | 0.52       | 0.05       | <0.04      | <0.04      | <0.04      | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | <0.04      | <0.04      | 0.53       | <0.04      | <0.04      | <0.04      | <0.04      | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.05      | <0.05      | 0.69       | 0.08       | <0.05      | <0.05      | <0.05      | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | <0.05      | <0.05      | 0.31       | <0.05      | <0.05      | <0.05      | <0.05      | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.07      | <0.07      | 0.22       | <0.07      | <0.07      | <0.07      | <0.07      | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | <0.06      | <0.06      | 0.63       | <0.06      | <0.06      | <0.06      | <0.06      | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      | <0.04      | 0.07       | <0.04      | <0.04      | <0.04      | <0.04      | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 0.12       | 0.10       | 1.33       | 0.14       | <0.08      | <0.08      | <0.08      | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      | <0.01      | 0.07       | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | <0.03      | <0.03      | 0.34       | <0.03      | <0.03      | <0.03      | <0.03      | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | <0.03      | 0.03       | <0.03      | <0.03      | <0.03      | <0.03      | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 0.05       | <0.03      | 0.64       | 0.04       | <0.03      | <0.03      | <0.03      | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | 0.11       | 0.09       | 1.25       | 0.13       | <0.07      | <0.07      | <0.07      | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 0.28       | 0.19       | 6.87       | 0.44       | <0.08      | <0.08      | <0.08      | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 22/05991/8

Client Project Name: Mayton Street

Client Project Ref: 8755G

|                                                     |            |  |  |  |  |  |  |       |                    |             |
|-----------------------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|-------------|
| Lab Sample ID                                       | 22/05991/8 |  |  |  |  |  |  | Units | Limit of Detection | Method ref  |
| Client Sample No                                    | 1          |  |  |  |  |  |  |       |                    |             |
| Client Sample ID                                    | SS P12F    |  |  |  |  |  |  |       |                    |             |
| Depth to Top                                        | 0.00       |  |  |  |  |  |  |       |                    |             |
| Depth To Bottom                                     | 0.10       |  |  |  |  |  |  |       |                    |             |
| Date Sampled                                        | 16-Jun-22  |  |  |  |  |  |  |       |                    |             |
| Sample Type                                         | Soil - ES  |  |  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                  | 4A         |  |  |  |  |  |  |       |                    |             |
| % Stones >10mm <sub>A</sub>                         | <0.1       |  |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 9.04       |  |  |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | <0.01      |  |  |  |  |  |  | g/l   | 0.01               | A-T-026s    |
| Sulphate (acid soluble) <sub>D</sub> <sup>M#</sup>  | <200       |  |  |  |  |  |  | mg/kg | 200                | A-T-028s    |
| Sulphur (total) <sub>D</sub>                        | 232        |  |  |  |  |  |  | mg/kg | 50                 | A-T-024s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         |  |  |  |  |  |  | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       |  |  |  |  |  |  | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 0.2        |  |  |  |  |  |  | % w/w | 0.1                | A-T-032 OM  |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | <1         |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub>                  | <1.0       |  |  |  |  |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub> <sup>M#</sup>                  | <0.5       |  |  |  |  |  |  | mg/kg | 0.5                | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 6          |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         |  |  |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 14         |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      |  |  |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 20         |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Vanadium <sub>D</sub> <sup>M#</sup>                 | 16         |  |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 34         |  |  |  |  |  |  | mg/kg | 5                  | A-T-024s    |

Envirolab Job Number: 22/05991/8

Client Project Name: Mayton Street

Client Project Ref: 8755G

|                                                                 |            |  |  |  |  |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 22/05991/8 |  |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                | 1          |  |  |  |  |  |  |       |                    |            |
| Client Sample ID                                                | SS P12F    |  |  |  |  |  |  |       |                    |            |
| Depth to Top                                                    | 0.00       |  |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                                 | 0.10       |  |  |  |  |  |  |       |                    |            |
| Date Sampled                                                    | 16-Jun-22  |  |  |  |  |  |  |       |                    |            |
| Sample Type                                                     | Soil - ES  |  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                              | 4A         |  |  |  |  |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |  |  |  |  |  |  |       |                    |            |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        |  |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                           | -          |  |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                       | -          |  |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub> | N/A        |  |  |  |  |  |  |       |                    | A-T-045    |

Envirolab Job Number: 22/05991/8

Client Project Name: Mayton Street

Client Project Ref: 8755G

|                                                  |            |  |  |  |  |  |  |       |      |          |
|--------------------------------------------------|------------|--|--|--|--|--|--|-------|------|----------|
| Lab Sample ID                                    | 22/05991/8 |  |  |  |  |  |  |       |      |          |
| Client Sample No                                 | 1          |  |  |  |  |  |  |       |      |          |
| Client Sample ID                                 | SS P12F    |  |  |  |  |  |  |       |      |          |
| Depth to Top                                     | 0.00       |  |  |  |  |  |  |       |      |          |
| Depth To Bottom                                  | 0.10       |  |  |  |  |  |  |       |      |          |
| Date Sampled                                     | 16-Jun-22  |  |  |  |  |  |  |       |      |          |
| Sample Type                                      | Soil - ES  |  |  |  |  |  |  |       |      |          |
| Sample Matrix Code                               | 4A         |  |  |  |  |  |  |       |      |          |
| PAH-16MS                                         |            |  |  |  |  |  |  |       |      |          |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | <0.01      |  |  |  |  |  |  | mg/kg | 0.01 | A-T-019s |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      |  |  |  |  |  |  | mg/kg | 0.01 | A-T-019s |
| Anthracene <sub>A</sub> <sup>M#</sup>            | <0.02      |  |  |  |  |  |  | mg/kg | 0.02 | A-T-019s |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | <0.04      |  |  |  |  |  |  | mg/kg | 0.04 | A-T-019s |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | <0.04      |  |  |  |  |  |  | mg/kg | 0.04 | A-T-019s |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.05      |  |  |  |  |  |  | mg/kg | 0.05 | A-T-019s |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | <0.05      |  |  |  |  |  |  | mg/kg | 0.05 | A-T-019s |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.07      |  |  |  |  |  |  | mg/kg | 0.07 | A-T-019s |
| Chrysene <sub>A</sub> <sup>M#</sup>              | <0.06      |  |  |  |  |  |  | mg/kg | 0.06 | A-T-019s |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      |  |  |  |  |  |  | mg/kg | 0.04 | A-T-019s |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 0.08       |  |  |  |  |  |  | mg/kg | 0.08 | A-T-019s |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      |  |  |  |  |  |  | mg/kg | 0.01 | A-T-019s |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | <0.03      |  |  |  |  |  |  | mg/kg | 0.03 | A-T-019s |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      |  |  |  |  |  |  | mg/kg | 0.03 | A-T-019s |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 0.07       |  |  |  |  |  |  | mg/kg | 0.03 | A-T-019s |
| Pyrene <sub>A</sub> <sup>M#</sup>                | <0.07      |  |  |  |  |  |  | mg/kg | 0.07 | A-T-019s |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 0.15       |  |  |  |  |  |  | mg/kg | 0.01 | A-T-019s |

## **REPORT NOTES**

### **General**

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

### **Soil chemical analysis:**

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

### **TPH analysis of water by method A-T-007:**

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

### **Electrical Conductivity of water by Method A-T-037:**

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

### **Asbestos:**

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

### **Predominant Matrix Codes:**

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

### **Secondary Matrix Codes:**

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

### **Key:**

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Subscript ""^" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.

EPH CWG results have humics mathematically subtracted through instrument calculation

TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

### **EPH CWG GCxGC ID from TPH CWG**

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these

humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

## Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                                |                                    |                 |
|----------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | WML Construction , No 8 Oak Green, Earl Road, Stanley Green Business Park,<br>Cheadle Hulme, Cheshire, SK8 6QL | <b>Project No:</b>                 | 22/05991        |
| <b>Project:</b>            | Mayton Street                                                                                                  | <b>Date Received:</b>              | 20/06/2022 (am) |
| <b>Clients Project No:</b> | 8755G                                                                                                          | <b>Cool Box Temperatures (°C):</b> | 11.2            |

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 22/05991/1 | 22/05991/2 | 22/05991/3 | 22/05991/4            | 22/05991/5            | 22/05991/6 | 22/05991/7            | 22/05991/8            |
|------------------------|------------|------------|------------|-----------------------|-----------------------|------------|-----------------------|-----------------------|
| Client Sample No       | 1          | 1          | 1          | 1                     | 1                     | 1          | 1                     | 1                     |
| Client Sample ID/Depth | TS SP01    | TS SP02    | TS UC SP01 | TS P15R<br>0.00-0.10m | TS P11R<br>0.00-0.10m | SS SP01    | SS P07F<br>0.00-0.10m | SS P12F<br>0.00-0.10m |
| Date Sampled           | 16/06/22   | 16/06/22   | 16/06/22   | 16/06/22              | 16/06/22              | 16/06/22   | 16/06/22              | 16/06/22              |
| A-T-019s               | 24/06/2022 | 24/06/2022 | 24/06/2022 | 24/06/2022            | 24/06/2022            | 24/06/2022 | 24/06/2022            | 24/06/2022            |
| A-T-024s               | 24/06/2022 | 24/06/2022 | 24/06/2022 | 24/06/2022            | 24/06/2022            | 24/06/2022 | 24/06/2022            | 24/06/2022            |
| A-T-026s               | 23/06/2022 | 23/06/2022 | 23/06/2022 | 23/06/2022            | 23/06/2022            | 23/06/2022 | 23/06/2022            | 23/06/2022            |
| A-T-027s               | 23/06/2022 | 23/06/2022 | 23/06/2022 | 23/06/2022            | 23/06/2022            | 23/06/2022 | 23/06/2022            | 23/06/2022            |
| A-T-028s               | 24/06/2022 | 24/06/2022 | 24/06/2022 | 24/06/2022            | 24/06/2022            | 24/06/2022 | 24/06/2022            | 24/06/2022            |
| A-T-031s               | 23/06/2022 | 23/06/2022 | 23/06/2022 | 23/06/2022            | 23/06/2022            | 23/06/2022 | 23/06/2022            | 23/06/2022            |
| A-T-032 OM             | 23/06/2022 | 24/06/2022 | 24/06/2022 | 24/06/2022            | 24/06/2022            | 24/06/2022 | 24/06/2022            | 24/06/2022            |
| A-T-040s               | 23/06/2022 | 23/06/2022 | 23/06/2022 | 23/06/2022            | 23/06/2022            | 23/06/2022 | 23/06/2022            | 23/06/2022            |
| A-T-042sTCN            | 27/06/2022 | 27/06/2022 | 27/06/2022 | 27/06/2022            | 27/06/2022            | 27/06/2022 | 27/06/2022            | 27/06/2022            |
| A-T-044                | 22/06/2022 | 22/06/2022 | 22/06/2022 | 22/06/2022            | 22/06/2022            | 22/06/2022 | 22/06/2022            | 22/06/2022            |
| A-T-045                | 21/06/2022 | 21/06/2022 | 21/06/2022 | 21/06/2022            | 21/06/2022            | 21/06/2022 | 21/06/2022            | 21/06/2022            |
| A-T-050s               | 22/06/2022 | 22/06/2022 | 22/06/2022 | 22/06/2022            | 22/06/2022            | 22/06/2022 | 22/06/2022            | 22/06/2022            |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**

## FINAL ANALYTICAL TEST REPORT

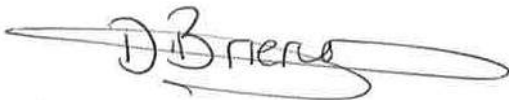
**Envirolab Job Number:** 22/05992  
**Issue Number:** 1

**Date:** 27 June, 2022

**Client:** WML Construction  
No 8 Oak Green  
Earl Road  
Stanley Green Business Park  
Cheadle Hulme  
Cheshire  
SK8 6QL

**Project Manager:** Thomas Sheen  
**Project Name:** Mayton Street  
**Project Ref:** 8755G  
**Order No:** 8755G  
**Date Samples Received:** 17/06/22  
**Date Instructions Received:** 20/06/22  
**Date Analysis Completed:** 27/06/22

**Approved by:**



Danielle Brierley  
Deputy Client Services Supervisor

Envirolab Job Number: 22/05992

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                       | 22/05992/1 | 22/05992/2 | 22/05992/3 | 22/05992/4 | 22/05992/5 |  |  | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|------------|------------|------------|--|--|-------|--------------------|-------------|
| Client Sample No                                    | 1          | 1          | 1          | 1          | 1          |  |  |       |                    |             |
| Client Sample ID                                    | SS P04F    | SS P01F    | SS P09R    | SS P21R    | SS P13R    |  |  |       |                    |             |
| Depth to Top                                        | 0.20       | 0.00       | 0.00       | 0.00       | 0.00       |  |  |       |                    |             |
| Depth To Bottom                                     | 0.30       | 0.10       | 0.10       | 0.10       | 0.10       |  |  |       |                    |             |
| Date Sampled                                        | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |  |  |       |                    |             |
| Sample Type                                         | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |  |  |       |                    |             |
| Sample Matrix Code                                  | 5A         | 4AE        | 4A         | 5A         | 4A         |  |  |       |                    |             |
| % Stones >10mm <sub>A</sub>                         | <0.1       | 25.8       | <0.1       | <0.1       | <0.1       |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 7.85       | 8.44       | 8.49       | 8.59       | 8.79       |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 0.03       | 0.01       | 0.02       | <0.01      | <0.01      |  |  | g/l   | 0.01               | A-T-026s    |
| Sulphate (acid soluble) <sub>D</sub> <sup>M#</sup>  | <200       | <200       | <200       | <200       | <200       |  |  | mg/kg | 200                | A-T-028s    |
| Sulphur (total) <sub>D</sub>                        | 105        | 68         | 92         | <50        | 102        |  |  | mg/kg | 50                 | A-T-024s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         | <1         | <1         | <1         | <1         |  |  | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |  |  | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 1.1        | 0.3        | 0.5        | 0.6        | 0.2        |  |  | % w/w | 0.1                | A-T-032 OM  |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | 1          | <1         | 2          | <1         | <1         |  |  | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub>                  | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub> <sup>M#</sup>                  | 1.4        | <0.5       | <0.5       | <0.5       | <0.5       |  |  | mg/kg | 0.5                | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 28         | 4          | 5          | 4          | 4          |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         | <1         | <1         | <1         |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 18         | 9          | 10         | 10         | 13         |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 41         | 11         | 12         | 11         | 16         |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         | <1         | <1         | <1         |  |  | mg/kg | 1                  | A-T-024s    |
| Vanadium <sub>D</sub> <sup>M#</sup>                 | 40         | 7          | 10         | 7          | 9          |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 59         | 19         | 25         | 24         | 28         |  |  | mg/kg | 5                  | A-T-024s    |

Envirolab Job Number: 22/05992

Client Project Name: Mayton Street

Client Project Ref: 8755G

|                                                                 |            |            |            |            |            |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|------------|------------|------------|------------|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 22/05992/1 | 22/05992/2 | 22/05992/3 | 22/05992/4 | 22/05992/5 |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                | 1          | 1          | 1          | 1          | 1          |  |  |       |                    |            |
| Client Sample ID                                                | SS P04F    | SS P01F    | SS P09R    | SS P21R    | SS P13R    |  |  |       |                    |            |
| Depth to Top                                                    | 0.20       | 0.00       | 0.00       | 0.00       | 0.00       |  |  |       |                    |            |
| Depth To Bottom                                                 | 0.30       | 0.10       | 0.10       | 0.10       | 0.10       |  |  |       |                    |            |
| Date Sampled                                                    | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |  |  |       |                    |            |
| Sample Type                                                     | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |  |  |       |                    |            |
| Sample Matrix Code                                              | 5A         | 4AE        | 4A         | 5A         | 4A         |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |            |            |            |  |  |       |                    |            |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        | NAD        | NAD        | NAD        | NAD        |  |  |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                           | -          | -          | -          | -          | -          |  |  |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                       | -          | -          | -          | -          | -          |  |  |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub> | N/A        | N/A        | N/A        | N/A        | N/A        |  |  |       |                    | A-T-045    |

Envirolab Job Number: 22/05992

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                    | 22/05992/1 | 22/05992/2 | 22/05992/3 | 22/05992/4 | 22/05992/5 |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|------------|------------|--|--|-------|--------------------|------------|
| Client Sample No                                 | 1          | 1          | 1          | 1          | 1          |  |  |       |                    |            |
| Client Sample ID                                 | SS P04F    | SS P01F    | SS P09R    | SS P21R    | SS P13R    |  |  |       |                    |            |
| Depth to Top                                     | 0.20       | 0.00       | 0.00       | 0.00       | 0.00       |  |  |       |                    |            |
| Depth To Bottom                                  | 0.30       | 0.10       | 0.10       | 0.10       | 0.10       |  |  |       |                    |            |
| Date Sampled                                     | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  | 16-Jun-22  |  |  |       |                    |            |
| Sample Type                                      | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  | Soil - ES  |  |  |       |                    |            |
| Sample Matrix Code                               | 5A         | 4AE        | 4A         | 5A         | 4A         |  |  |       |                    |            |
| PAH-16MS                                         |            |            |            |            |            |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | <0.02      | <0.02      | <0.02      | <0.02      | <0.02      |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | <0.04      | <0.04      | <0.04      | <0.04      | <0.04      |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | <0.04      | <0.04      | <0.04      | <0.04      | <0.04      |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | <0.05      | <0.05      | <0.05      | <0.05      | <0.05      |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.07      | <0.07      | <0.07      | <0.07      | <0.07      |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | <0.06      | <0.06      | <0.06      | <0.06      | <0.06      |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      | <0.04      | <0.04      | <0.04      | <0.04      |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | <0.08      | <0.08      | <0.08      | <0.08      | <0.08      |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | <0.03      | <0.03      | <0.03      | <0.03      | <0.03      |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | <0.03      | <0.03      | <0.03      | <0.03      |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | <0.03      | <0.03      | <0.03      | <0.03      | <0.03      |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | <0.07      | <0.07      | <0.07      | <0.07      | <0.07      |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | <0.08      | <0.08      | <0.08      | <0.08      | <0.08      |  |  | mg/kg | 0.01               | A-T-019s   |

## **REPORT NOTES**

### **General**

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

### **Soil chemical analysis:**

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

### **TPH analysis of water by method A-T-007:**

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

### **Electrical Conductivity of water by Method A-T-037:**

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

### **Asbestos:**

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

### **Predominant Matrix Codes:**

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

### **Secondary Matrix Codes:**

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

### **Key:**

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Subscript "A" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.

EPH CWG results have humics mathematically subtracted through instrument calculation

TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

### **EPH CWG GCxGC ID from TPH CWG**

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these

humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

## Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                                |                                    |                 |
|----------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | WML Construction , No 8 Oak Green, Earl Road, Stanley Green Business Park,<br>Cheadle Hulme, Cheshire, SK8 6QL | <b>Project No:</b>                 | 22/05992        |
| <b>Project:</b>            | Mayton Street                                                                                                  | <b>Date Received:</b>              | 20/06/2022 (am) |
| <b>Clients Project No:</b> | 8755G                                                                                                          | <b>Cool Box Temperatures (°C):</b> | 11.3            |

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 22/05992/1            | 22/05992/2            | 22/05992/3            | 22/05992/4            | 22/05992/5            |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Client Sample No       | 1                     | 1                     | 1                     | 1                     | 1                     |
| Client Sample ID/Depth | SS P04F<br>0.20-0.30m | SS P01F<br>0.00-0.10m | SS P09R<br>0.00-0.10m | SS P21R<br>0.00-0.10m | SS P13R<br>0.00-0.10m |
| Date Sampled           | 16/06/22              | 16/06/22              | 16/06/22              | 16/06/22              | 16/06/22              |
| A-T-019s               | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            |
| A-T-024s               | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            |
| A-T-026s               | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            |
| A-T-027s               | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            |
| A-T-028s               | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            | 24/06/2022            |
| A-T-031s               | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            |
| A-T-032 OM             | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            |
| A-T-040s               | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            | 23/06/2022            |
| A-T-042sTCN            | 27/06/2022            | 27/06/2022            | 27/06/2022            | 27/06/2022            | 27/06/2022            |
| A-T-044                | 22/06/2022            | 22/06/2022            | 22/06/2022            | 22/06/2022            | 22/06/2022            |
| A-T-045                | 21/06/2022            | 21/06/2022            | 21/06/2022            | 21/06/2022            | 21/06/2022            |
| A-T-050s               | 22/06/2022            | 22/06/2022            | 22/06/2022            | 22/06/2022            | 22/06/2022            |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**

## FINAL ANALYTICAL TEST REPORT

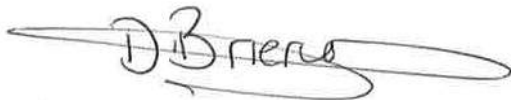
**Envirolab Job Number:** 22/06264  
**Issue Number:** 1

**Date:** 01 July, 2022

**Client:** WML Construction  
No 8 Oak Green  
Earl Road  
Stanley Green Business Park  
Cheadle Hulme  
Cheshire  
SK8 6QL

**Project Manager:** Thomas Sheen  
**Project Name:** Mayton Street  
**Project Ref:** 8755G  
**Order No:** 8755G  
**Date Samples Received:** 27/06/22  
**Date Instructions Received:** 28/06/22  
**Date Analysis Completed:** 01/07/22

**Approved by:**



Danielle Brierley  
Deputy Client Services Supervisor

Envirolab Job Number: 22/06264

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                       | 22/06264/1 | 22/06264/2 | 22/06264/3 |  |  |  |  | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|-------------|
| Client Sample No                                    | 1          | 1          | 1          |  |  |  |  |       |                    |             |
| Client Sample ID                                    | SS P19R 01 | TS P19R 01 | TS P14F 01 |  |  |  |  |       |                    |             |
| Depth to Top                                        | 0.20       | 0.00       | 0.00       |  |  |  |  |       |                    |             |
| Depth To Bottom                                     | 0.30       | 0.10       | 0.10       |  |  |  |  |       |                    |             |
| Date Sampled                                        | 24-Jun-22  | 24-Jun-22  | 24-Jun-22  |  |  |  |  |       |                    |             |
| Sample Type                                         | Soil - ES  | Soil - ES  | Soil - ES  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                  | 1A         | 4AE        | 4AE        |  |  |  |  |       |                    |             |
| % Stones >10mm <sub>A</sub>                         | <0.1       | <0.1       | <0.1       |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 6.43       | 8.04       | 8.01       |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 0.02       | 0.06       | 0.09       |  |  |  |  | g/l   | 0.01               | A-T-026s    |
| Sulphate (acid soluble) <sub>D</sub> <sup>M#</sup>  | <200       | 430        | 660        |  |  |  |  | mg/kg | 200                | A-T-028s    |
| Sulphur (total) <sub>D</sub>                        | <50        | 770        | 1180       |  |  |  |  | mg/kg | 50                 | A-T-024s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       | <0.2       | <0.2       |  |  |  |  | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 0.2        | 6.1        | 10.7       |  |  |  |  | % w/w | 0.1                | A-T-032 OM  |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | <1         | 1          | 2          |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub>                  | <1.0       | 1.4        | 2.8        |  |  |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub> <sup>M#</sup>                  | <0.5       | 0.6        | 0.8        |  |  |  |  | mg/kg | 0.5                | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 3          | 21         | 29         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 8          | 23         | 35         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      | <0.17      |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 10         | 11         | 13         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Vanadium <sub>D</sub> <sup>M#</sup>                 | 9          | 17         | 19         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 24         | 57         | 83         |  |  |  |  | mg/kg | 5                  | A-T-024s    |

Envirolab Job Number: 22/06264

Client Project Name: Mayton Street

Client Project Ref: 8755G

|                                                                 |            |            |            |  |  |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 22/06264/1 | 22/06264/2 | 22/06264/3 |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                | 1          | 1          | 1          |  |  |  |  |       |                    |            |
| Client Sample ID                                                | SS P19R 01 | TS P19R 01 | TS P14F 01 |  |  |  |  |       |                    |            |
| Depth to Top                                                    | 0.20       | 0.00       | 0.00       |  |  |  |  |       |                    |            |
| Depth To Bottom                                                 | 0.30       | 0.10       | 0.10       |  |  |  |  |       |                    |            |
| Date Sampled                                                    | 24-Jun-22  | 24-Jun-22  | 24-Jun-22  |  |  |  |  |       |                    |            |
| Sample Type                                                     | Soil - ES  | Soil - ES  | Soil - ES  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                              | 1A         | 4AE        | 4AE        |  |  |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |            |  |  |  |  |       |                    |            |
| Asbestos in soil <sup>#</sup>                                   | NAD        | NAD        | NAD        |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                           | -          | -          | -          |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                       | -          | -          | -          |  |  |  |  |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub> | N/A        | N/A        | N/A        |  |  |  |  |       |                    | A-T-045    |

Envirolab Job Number: 22/06264

Client Project Name: Mayton Street

Client Project Ref: 8755G

| Lab Sample ID                                    | 22/06264/1 | 22/06264/2 | 22/06264/3 |  |  |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                 | 1          | 1          | 1          |  |  |  |  |       |                    |            |
| Client Sample ID                                 | SS P19R 01 | TS P19R 01 | TS P14F 01 |  |  |  |  |       |                    |            |
| Depth to Top                                     | 0.20       | 0.00       | 0.00       |  |  |  |  |       |                    |            |
| Depth To Bottom                                  | 0.30       | 0.10       | 0.10       |  |  |  |  |       |                    |            |
| Date Sampled                                     | 24-Jun-22  | 24-Jun-22  | 24-Jun-22  |  |  |  |  |       |                    |            |
| Sample Type                                      | Soil - ES  | Soil - ES  | Soil - ES  |  |  |  |  |       |                    |            |
| Sample Matrix Code                               | 1A         | 4AE        | 4AE        |  |  |  |  |       |                    |            |
| PAH-16MS                                         |            |            |            |  |  |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | <0.02      | <0.02      | <0.02      |  |  |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | <0.04      | 0.07       | 0.09       |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | <0.04      | 0.06       | 0.09       |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.05      | 0.09       | 0.14       |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | <0.05      | <0.05      | 0.08       |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.07      | <0.07      | <0.07      |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | <0.06      | 0.09       | 0.12       |  |  |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      | <0.04      | <0.04      |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | <0.08      | 0.18       | 0.21       |  |  |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | <0.03      | 0.04       | 0.08       |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | <0.03      | <0.03      |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | <0.03      | 0.08       | 0.08       |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | <0.07      | 0.15       | 0.19       |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | <0.08      | 0.76       | 1.08       |  |  |  |  | mg/kg | 0.01               | A-T-019s   |

## **REPORT NOTES**

### **General**

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

### **Soil chemical analysis:**

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

### **TPH analysis of water by method A-T-007:**

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

### **Electrical Conductivity of water by Method A-T-037:**

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

### **Asbestos:**

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

### **Predominant Matrix Codes:**

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

### **Secondary Matrix Codes:**

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

### **Key:**

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Subscript "A" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.

EPH CWG results have humics mathematically subtracted through instrument calculation

TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

### **EPH CWG GCxGC ID from TPH CWG**

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

## Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                                |                                    |                 |
|----------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | WML Construction , No 8 Oak Green, Earl Road, Stanley Green Business Park,<br>Cheadle Hulme, Cheshire, SK8 6QL | <b>Project No:</b>                 | 22/06264        |
| <b>Project:</b>            | Mayton Street                                                                                                  | <b>Date Received:</b>              | 28/06/2022 (am) |
| <b>Clients Project No:</b> | 8755G                                                                                                          | <b>Cool Box Temperatures (°C):</b> | 13.6            |

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

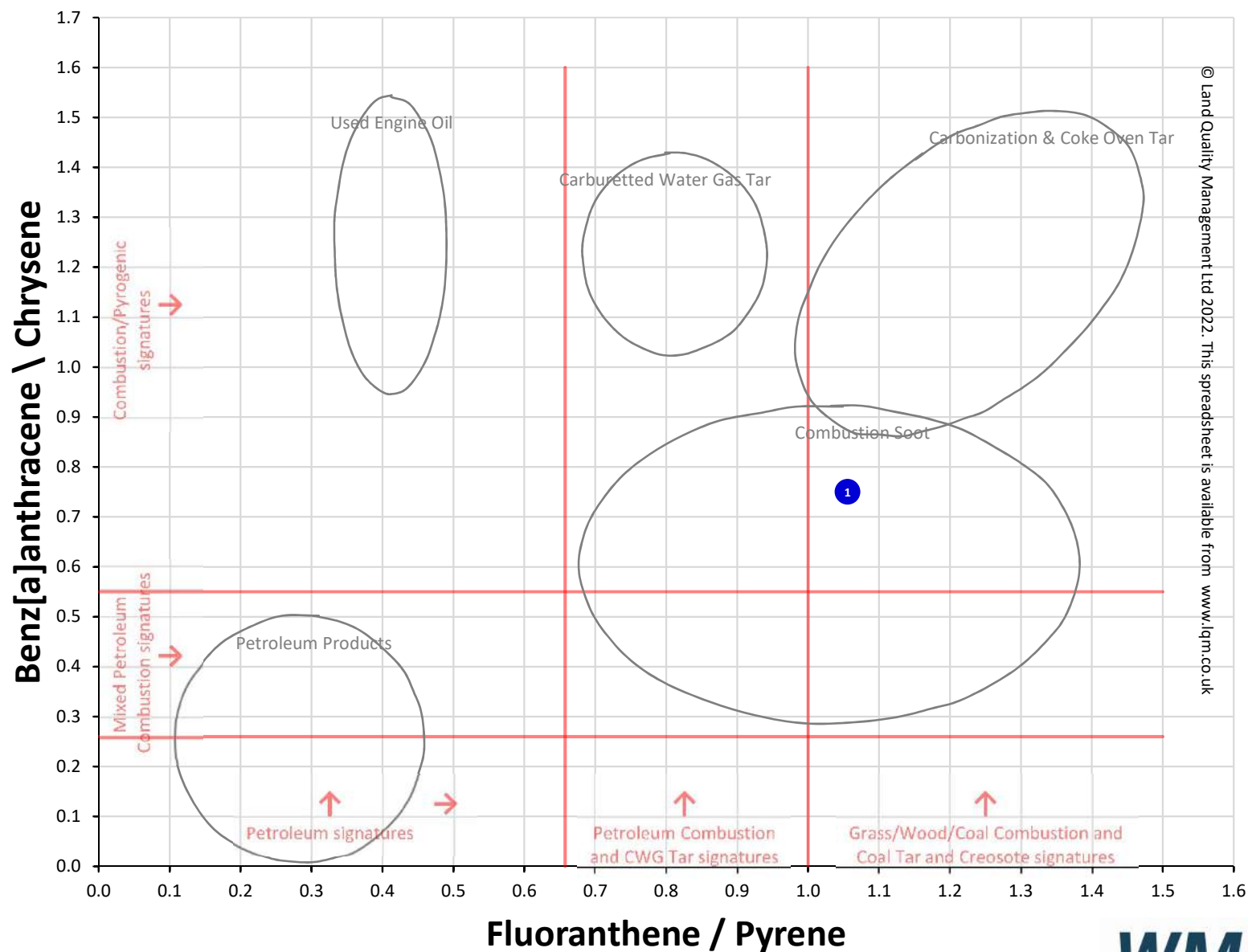
Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples  $5 \pm 3^{\circ}\text{C}$ ), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 22/06264/1               | 22/06264/2               | 22/06264/3               |
|------------------------|--------------------------|--------------------------|--------------------------|
| Client Sample No       | 1                        | 1                        | 1                        |
| Client Sample ID/Depth | SS P19R 01<br>0.20-0.30m | TS P19R 01<br>0.00-0.10m | TS P14F 01<br>0.00-0.10m |
| Date Sampled           | 24/06/22                 | 24/06/22                 | 24/06/22                 |
| A-T-019s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-024s               | 01/07/2022               | 01/07/2022               | 01/07/2022               |
| A-T-026s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-027s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-028s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-031s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-032 OM             | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-040s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |
| A-T-042sTCN            | 01/07/2022               | 01/07/2022               | 01/07/2022               |
| A-T-044                | 01/07/2022               | 01/07/2022               | 01/07/2022               |
| A-T-045                | 29/06/2022               | 29/06/2022               | 29/06/2022               |
| A-T-050s               | 30/06/2022               | 30/06/2022               | 30/06/2022               |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**



Key:

- Samples collected on site  
WS06 - 0.20mbgl

Based on Figure 6 in Costa & Sauer (2005) with additional details based on a conference presentation by Costa (2005) in San Diego. The potential sources shown are indicative only.

**WML**CONSULTING

## **APPENDIX 06**

### **Soil Assessment Criteria**

## Site Specific Assessment Criteria for Residential (with homegrown produce) assuming a 1% SOM for Hydrocarbons

| Contaminant                            | Assessment Criteria for Residential (mg/kg) |
|----------------------------------------|---------------------------------------------|
| <b>Metals</b>                          |                                             |
| Arsenic                                | 37                                          |
| Boron                                  | 290                                         |
| Cadmium                                | 26                                          |
| Chromium III                           | 910                                         |
| Chromium VI                            | 6                                           |
| Copper                                 | 2,400                                       |
| Lead*                                  | 200                                         |
| Mercury                                | 1.2                                         |
| Nickel                                 | 130                                         |
| Selenium                               | 250                                         |
| Vanadium                               | 410                                         |
| Zinc                                   | 3,700                                       |
| <b>Non – Metals</b>                    |                                             |
| Phenol                                 | 120                                         |
| <b>Polyaromatic Hydrocarbons (PAH)</b> |                                             |
| Benz[a]anthracene                      | 7.2                                         |
| Benzo[a]pyrene                         | 2.2                                         |
| Benzo[b]fluoranthene                   | 2.6                                         |
| Benzo[ghi]perylene                     | 320                                         |
| Benzo[k]fluoranthene                   | 77                                          |
| Chrysene                               | 15                                          |
| Dibenz[ah]anthracene                   | 0.24                                        |
| Fluoranthene                           | 280                                         |
| Indeno[123-cd]pyrene                   | 27                                          |
| Naphthalene                            | 2.3                                         |
| Pyrene                                 | 620                                         |

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\* Where not included in the S4UL's criteria for a limited number of contaminants, namely lead, have been derived by DEFRA in their document entitled SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, April 2014.

| Contaminant                                    | Criteria for Residential End Use<br>(mg/kg) |
|------------------------------------------------|---------------------------------------------|
| <b>Volatile Organic Compounds (VOCs)</b>       |                                             |
| Benzene                                        | 0.087                                       |
| Ethylbenzene                                   | 47                                          |
| Toluene                                        | 130                                         |
| Xylene                                         | 56                                          |
| 1,2-Dichloroethane                             | 0.0071                                      |
| 1,1,1-Trichloroethane                          | 8.8                                         |
| Tetrachloroethane                              | 1.6                                         |
| Tetrachloroethene (PCE)                        | 0.18                                        |
| Tetrachloromethane                             | 0.026                                       |
| Trichloroethene (TCE)                          | 0.016                                       |
| Trichloromethane                               | 0.91                                        |
| Vinyl Chloride                                 | 0.00064                                     |
| <b>Semi-Volatile Organic Compounds (SVOCs)</b> |                                             |
| 1,2-Dichlorobenzene                            | 23                                          |
| 1,4-Dichlorobenzene                            | 61 <sup>f</sup>                             |
| 1,2,4-Trichlorobenzene                         | 2.6                                         |
| Hexachlorobenzene                              | 1.8 (0.2) <sup>vap</sup>                    |
| <b>Total Petroleum Hydrocarbons (TPH)</b>      |                                             |
| Aliphatic C5-6                                 | 42                                          |
| Aliphatic C6-8                                 | 100                                         |
| Aliphatic C8-10                                | 27                                          |
| Aliphatic C10-12                               | 130(48) <sup>vap</sup>                      |
| Aliphatic C12-16                               | 1,100(24) <sup>sol</sup>                    |
| Aliphatic C16-35                               | 65,000(8.48) <sup>f, sol</sup>              |
| Aliphatic C35 - 44                             | 65,000(8.84) <sup>f, sol</sup>              |
| Aromatic C5 – 7 (benzene)                      | 70                                          |
| Aromatic C7 – 8 (toluene)                      | 130                                         |
| Aromatic C8-10                                 | 34                                          |
| Aromatic C10-12                                | 74                                          |
| Aromatic C12-16                                | 140                                         |
| Aromatic C16-21                                | 260 <sup>f</sup>                            |
| Aromatic C21-35                                | 1,100 <sup>f</sup>                          |
| Aromatic C35 - 44                              | 1,100 <sup>f</sup>                          |

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\* Where not included in the S4UL's criteria for a limited number of contaminants, namely lead, have been derived by DEFRA in their document entitled SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, April 2014.