Elsa Road, Levenshulme, Manchester

PHASE II SITE APPRAISAL

December 2025

for

Seddon Construction Limited

Ref. M225-362 ERL-AJP-XX-XX-RP-G-0002 Rev01

Issued for	*Originator*	*Checker*	*Approved*	*Date*
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Summary of Recommendations	
Risk to End-Users	Elevated levels of PAH, metals and asbestos recorded. 600mm capping required for private gardens and 300mm for areas of public open space.
Risk to Controlled Waters	No risk to controlled waters identified.
Ground Gases	Site classified as CS1.
Concrete Specification	FND2
Water Pipe Specification	PE/PVC pipes will be suitable (to be confirmed by utility provider).
Engineering Ground Treatment	Not required.
Likely Foundation Types	Shallow Traditional Trenchfill Foundations. Deepening for existing and proposed trees may result in foundations >2.50m which should be Engineer designed and piled foundations may be required for some plots
Likely Foundation Depths	Foundations should be carried through any soft or loose Made Ground and natural deposits and at least 200mm into competent (firm to stiff) natural strata.
Bearing Strata	Firm to stiff Glacial Till
Allowable Bearing Pressure	125kN/m^2 for a strip foundation bearing within the minimum firm cohesive soils of the Glacial Till.
Volume Change Potential	Cohesive superficial soils recorded as having a low to medium volume change potential. As such a minimum foundation depth of 0.90m will be required.
Tree Influence	A number of mature and semi-mature trees are present on site, as such deepening due to tree influence and use of heave precautions may be required. A tree survey should be commissioned and tree influence contours plotted as part of detailed foundation design which should consider proposed new planting. When foundations depths would exceed 2.50m piled foundations may be required.
Floor Slabs	Fully suspended floor slabs required due to >600mm of Made Ground and likely tree influence.
Slope Stability Risk	Based on the current site gradients it is considered are unlikely that the site will present any slope stability issues.
Retaining Walls	No significant retaining structures are likely to be required.
SUDs	Due to the predominantly cohesive medium permeability near-surface soils, soakaway drainage is not considered feasible.
Roads	A design CBR value of <2% should be used for design (subject to in-situ testing).
Likely Waste Classification	All soils tested on the site have been classified as non-hazardous and should allow to be removed as non-hazardous subject to confirmation from the receiving facility.
Other Comments	None.

The above summary should not be used in isolation and reference should be made the full report which provides a detailed assessment of the risks affecting the development.

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1.0 Introduction

1.1 Commission

AJP Midlands Ltd (AJP) has been appointed by Seddon Construction Limited (Client) to produce a Phase II Site Appraisal for their site known as 'Elsa Road, Levenshulme, Manchester' here in referred to as 'the site'. A site location plan is included in Appendix A.

1.2 Proposed Development

It is understood that the site is to be developed to provide 50no. low rise residential properties with associated private gardens and front parking spaces. A plan showing the general layout of the proposed development is in Appendix A.

1.3 Limitations

This report has been prepared for the client and their appointed agents only and should not be relied upon by any third party without the written permission of AJP. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the authors do not owe them any Duty of Care or Skill. It is based on and limited to an assessment of the information and ground conditions identified here.

1.4 Aim of Phase II Site Appraisal

The client's specific requirements were to provide a Phase II Site Appraisal. The principal objectives are as follows:

- Obtain information about the soil and groundwater conditions within the area of the site.
- Determine the ground related geotechnical and contamination hazards within the site boundaries that may affect the proposed development.
- Review the Phase I Conceptual Site Model (CSM) and refine to form a Phase II CSM.
- Provide development recommendations and provide advice on further works if required.

1.5 Information Sources

This Phase II Site Appraisal is based on the findings of the investigation, chemical analysis and geotechnical testing undertaken during the assessment. The results have been used to refine and develop the CSM and the initial recommendations outlined in the Phase I Site Appraisal report undertaken by AJP (ref: M225-362 ERL-AJP-00-XX-RP-G-0001 Rev00, dated October 2025). The information included within the Phase I Report helped to form the rationale for the design of this investigation.

2.0 Summary of Previous Reports

2.1 Phase I Site Appraisal

The following is a summary of the findings of the Phase I Site Appraisal Report undertaken by AJP in October 2025 and should not be read in isolation. For full details, reference should be made to the report outlined in section 1.5.

Subject	Comments
Site Location	The site is located within Levenshulme, approximately 5.1km south-east of Manchester Picadilly Station. It is centred at OS grid reference SJ 88380 94260. The nearest postcode is M19 3JG. Access to the site is from Elsa Road on the northern site boundary.
Site Description	The site area is 1.26ha, and the topography is relatively level. The land is situated within a predominately residential setting, bound by housing to the north and west, allotments to the south and west, and further to the north by industrial state and further to the south-east by a large public car park. The surface predominately comprises of rough vegetation and self-set, overgrown trees and some hard standing to the eastern part of the site. On a broader scale, land use in the surrounding area is predominantly suburban residential with commercial uses concentrated towards the city centre. At the time of the ground investigation, the site remains unchanged to the above description, except on the south-eastern part of the site relicts from previous foundation are present and the central part of the site is more or less low grass. A tarmac surface runs across the eastern part of the site.
Site History	The earliest mapping shows the site is undeveloped until 1916 when a cricket ground occupied the site, later allotments gardens were shown to the south-eastern corner of the site which extend beyond the site boundary. By the 1930s the site had a pavilion to the north-eastern corner of the site which was developed later towards the centre of the site. By 2025 the cricket ground and clubhouse were no longer shown.
Surrounding Land Use History	In the 19th century, the site is initially set within a largely rural area, with agricultural land shown to the west and south. Further to the north a Print works with associated reservoirs and to the north-west Pink Bank Plantation and a Brewer Tenement (house) are present. Additionally, to the south a Bleach Works and High Fields are noted. In the late 1890s two railway embarkments were built for the Crewe & Manchester Railway running N-W/S-E and the S-W / N-E over the Union & L.B. Broadaway to the north and south of the site respectively. New buildings associated with new roads are shown to the north of the site close to the Print Works. In the 1900s the site directly surrounding were developed with new residential buildings and the Works to the north and south of the site were largely expanded. In recent years the immediate surrounding area has been redeveloped, largely for residential purpose.
Geology	The site is not recorded by the BGS to be underlain by Made Ground; however, an unknown thickness of Made Ground is likely be present due to the historical development of the site. The site is recorded to be underlain by superficial Glacial Till comprising of silty gravelly clay (Boulder Clay), and locally sand pockets. The bedrock geology is recorded to be the Chester Sandstone Formation which comprises of conglomerates and reddish brown, cross-bedded, pebbly sandstones with subordinate beds of red-brown mudstone. There are no BGS historical borehole records located on site or within 25m of the site; the nearest is 215m south-east (ref: SJ89SE205) and recorded largely cohesive Made Ground to 1.30m begl overlying firm to stiff gravelly clays (considered to be representative of the superficial Glacial Till) to the base of the borehole at 11.00m begl.
Radon	The site is not within a Radon Affected Area, with <1% of properties above the action level; radon protection measures are therefore not required for new properties.
Mining	The site is not in area affected by past or present coal mining.
Hydrogeology	The underlying Superficial Deposits are classified as a secondary undifferentiated aquifer and has low vulnerability. The bedrock is classified as Principal Aquifer and has low vulnerability. The site is not within a Source Protection Zone.

Subject	Comments
Hydrology	The nearest surface water feature is 159m east of the site and identified as an inland river not influenced by normal tidal action. A surface water body catchment, Platt Brook, is recorded on site and it is classified as river under the Water Framework Directive and lies within the Bolin Dean Mersey Operational Catchment and the Mersey Management Catchment. According to the Environment Agency, the site does not lie within Flood Zone 2 or Flood Zone 3, and there are no records of flooding from rivers or the sea within 50m of the site. The site is identified to be at moderate risk of groundwater flooding.
Landfills	There are no records of any active or recent landfills within 500m of the site or on site. There are no Local Authority records of historic landfills within 500m of the site or on site. There are 2no. records of historical landfills (EA/NRW/LW) within 500m of the site, the closest of which is located at Levenshulme Trading Estate, Sandford Lane, Printworks Lane, Levenshulme, Greater Manchester 172m north of the site.
Waste	There are 43no. records of waste exemptions within 500m of the site. The nearest is 156m north and recorded as storing waste in a secure container. There are no potentially contaminative waste exceptions recorded within influencing distance of the site.
Tanks	There are 10no. records of historical tanks within 500m of the site. The two nearest records one 37m east which relates to unspecified tanks from 1988 and another 71m south in 1988.
Industrial Land Uses	There are 121no. records of historical industrial land-use within 500m of the site. The nearest is 32m southwest of the site and was identified in 1955 as a Refuse Destructor. There are 14no. records of recent or current industrial land use within 250m of the site, but none on site. The nearest record is located 95m and relates to 'Electrical Features' There are 8no. historical energy features within 500m of the site. The closest record is 77m south-west of the site and relates to an electricity substation which was active from 1968 to 1995 and another record of a substation 90m southwest from 1970. None are considered to be within influencing distance of the site and therefore do not pose a potential contamination risk to the site.
Pollution Releases & Incidents	There are 2 no. licensed pollutant releases (part A(2)/B) within 500m of the site. The nearest is located 157m north and is for 'Use of Bulk Cement' and the second is 208m north and is for 'Coating Processes'. There are 14no. records of pollution incidents (EA/NRW) with the nearest to site being 217m north relating to tires. The land impact for this incident, which occurred in 2002, is category 3 (minor).

3.0 Phase I Conceptual Model

3.1 Initial Conceptual Model and Preliminary Risk Assessment

The preceding desk study data has been assessed and a conceptual model produced in accordance with Land Contamination Risk Management (LCRM) guidance document. LCRM provides a technical framework for identifying and remediating contamination through the application of a risk management process.

The process requires the development of an initial conceptual site model (CSM) and preliminary risk assessment are based on information derived from the desk study to provide a qualitative assessment of risk posed to human health and environmental receptors from potential on and off-site sources of contamination as defined within Part IIA of the Environmental Protection Act (1990).

The CSM provides the relationship between the following three criteria:

- The presence of substances that may cause harm (source).
- The presence of a plausible pollutant linkage between the source and receptor (pathway).
- The presence of a receptor which may be harmed (receptor).

If all three criteria are present, or considered likely to be present at a site, they are identified as Potential Contaminant Linkages (PCLs) and they should be considered within the risk assessment process. For an 'unacceptable risk' to exist, it must be established that contamination has the potential to cause harm to susceptible targets, which requires scientific and technical knowledge.

EA R&D66 (2008) includes a risk classification system based on classification of consequence and probability. The table below shows a risk matrix, in which the likelihood or probability of each pollutant linkage being realised is ranked against the severity of the consequences. The result is the risk classification, based upon which risk management actions can be implemented. The individual sources, pathways and receptors identified are assessed against this risk matrix; potential pollutant linkages and associated risks are recorded.

		Severity of Consequence			
		Severe	Medium	Mild	Minor
Probability of pollutant linkage	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/ Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

The definitions of the risk terminology are taken from CIRIA report C552 and are summarised as follows:

- **Very High Risk**: there is a high probability that severe harm could arise to a designated receptor from an identified source, or there is evidence that severe harm to a designated receptor is currently occurring. This level of risk is likely to result in a substantial liability and urgent investigation (if not already undertaken) and remediation are likely to be required.
- **High Risk**: harm is likely to arise to a designated receptor from an identified source. This level of risk is likely to result in a substantial liability, urgent investigation (if not already undertaken), short term remediation may be necessary are likely to be required in the long term.
- **Moderate Risk**: it is possible that harm could arise to a designated receptor from an identified source. However, it is relatively unlikely that any such harm would be severe, or if any harm were to occur it is

more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required, and some remediation may be required in the long term.

- **Low Risk**: it is possible that harm could arise to a designated receptor from an identified source, but it is likely that this harm, if realised, would at worst normally be mild. Further investigation should be considered, but is not necessarily required, to confirm the absence of contamination.
- **Very Low Risk**: there is a low possibility that harm could arise to the receptor. In the event of such harm being realised it is not likely to be severe. Further investigation should be considered, but is not necessarily required, to confirm the absence of contamination.

A pollutant linkage must be established before tests for probability and consequence are applied. If there is no pollutant linkage, then there is no potential risk and there is no need to apply tests for probability and consequence. The risk assessment needs to include a logical and transparent system to define categories of severity of consequence and probability of occurrence. The initial conceptual model and preliminary risk assessment are discussed below.

3.2 Potential On-site Sources of Contamination

Made ground is likely to be present associated with the previous development of the site. The site was previously occupied by a field until 1916 when it becomes a cricket ground, a use which persists until 2010. A historical pond has been identified in the southern part of the site and was later infilled which may be a potential source of ground gas. Since the use of the site is identified as a sports ground associated with few pavilions to the north-eastern and south-eastern parts of the site however it has most recently remained undeveloped, and the existing pavilions are no longer shown.

Potential on-site contamination sources therefore include:

- Made Ground containing construction and demolition waste.
- Former infilled pond in the south of the site may present a potential source of ground gas.

3.3 Potential Off-site Sources of Contamination

There are a number of historical industrial, commercial and residential land uses immediately offsite and within influencing distance of the site including (residential properties, commercial properties, electricity substation, motor works, railway sidings, tanks); however, none are considered to present a significant contaminative risk to the site.

3.4 Contaminants of Concern

Contaminants of concern associated with the historic on-site and nearby off-site uses are anticipated to include heavy metals, polycyclic aromatic hydrocarbons (PAH), total petroleum hydrocarbons (TPH), and asbestos.

3.5 Pathways

The potential pathways for migration of contamination sources to potential receptors relevant to this site are as follows:

Human Health

- Dermal contact, inhalation and/or ingestion of dust derived from contaminated soils.
- Inhalation of volatile soil vapours and ground gases.
- Migration of hazardous soil-gases via permeable strata or ducts/drains into future buildings.

Controlled Waters

- Leaching of contamination with subsequent vertical and/or lateral migration of mobile contaminants into controlled water receptors.

Buried Services/Property

- Direct contact of contaminants with existing or future buried services.
- Migration of hazardous soil-gases via permeable strata or ducts/drains into enclosed spaces.

3.6 Receptors

The following site-specific receptors are considered relevant:

Human Health

- Site users - end-users of the proposed residential development including site workers.
- Construction workers - personnel involved in the redevelopment works.

Controlled Waters

- Underlying bedrock (Principal Aquifer).
- Superficial Deposits (Secondary Undifferentiated).

Buried Services / Property

- Building fabric and foundations/piles.

3.7 Conceptual Site Model

A preliminary qualitative assessment of the identified PCLs and associated risk ratings has been completed, and a summary is provided in the Table on the next page.

Source	Pathway	Receptor	Consequence	Probability	Risk Assessment and Justification
On-site sources - Made Ground, demolished buildings and infilled pond.	Dermal contact, inhalation and ingestion of contaminants in soil and soil derived dust	Future site users/ Construction	Medium	Low Likelihood	**Moderate / Low Risk** - Made Ground is likely to be present on site associated with the previous development.
		Site construction worker / Adjacent Site Users	Medium	Unlikely	**Low Risk** - Construction workers have a shorter exposure period, and risks shall be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015.
	Inhalation of volatile soil vapours and ground gas	Future site user/worker	Severe	Low Likelihood	**Moderate Risk** - Potential for ground gas generation on and off-site made ground and from historic infilled pond. The risk is uncertain and would require confirmation by intrusive investigation and gas monitoring.
		Site construction worker			
	Inhalation of asbestos free fibres	Future site users	Severe	Low Likelihood	**Moderate** - Given that previous development has taken place on site it is possible that asbestos fibres could be present in the made ground or any remnant waste from the demolition process.
		Site construction worker		Unlikely	**Moderate / Low Risk** - Asbestos may be present within Made Ground or demolition wastes. Construction workers have a shorter exposure period, and risks shall be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015.
	Leaching of contaminants from soil and vertical migration into groundwater	Groundwater within superficial deposits (Secondary Undifferentiated)	Mild	Unlikely	**Very Low Risk -** The site is likely to be underlain by largely cohesive Glacial Till and therefore will restrict infiltration and downward migration of contaminants.
		Groundwater within bedrock (Principal Aquifer)	Mild	Unlikely	**Very Low Risk -** The site is likely to be underlain by largely cohesive Glacial Till and therefore will restrict infiltration and downward migration of contaminants.
	Permeation through soils and shallow groundwater migration	Surface water	Mild	Unlikely	**Very Low Risk -** No surface water features within 250m of the site.
Off-site sources - Historical commercial and industrial land use immediately offsite to north, south and west predominantly including (infilled pond, substation, and commercial properties).	Migration through soils and groundwater	Future site user/worker	Medium	Unlikely	**Low Risk -** off-site land uses are potential sources of contamination, with the potential presence of VOCs (volatile organic compounds), PAHs (polycyclic aromatic hydrocarbons), TPH (total petroleum hydrocarbons), heavy metals, and asbestos. However, the distance from the site and the intervening residential housing and roads reduce the likelihood of migration onto the site. The sources remain genuine, but the risk of impact to the site is lower.

4.0 Phase II Ground Investigation

4.1 Introduction

The ground investigation (including fieldwork, sampling and laboratory analysis) has been designed to identify and assess potential ground related problems and to allow cost-effective solutions to be advised. It has been planned based on the desk study. All fieldwork and soil descriptions were carried out in general accordance with relevant British Standards.

The exploratory holes have been positioned to determine the general ground/groundwater conditions below the site, with representative samples obtained for geotechnical and environmental laboratory analysis. The resultant exploratory hole density is considered to be appropriate with the complexity of the site conditions revealed in the desk study and detail of information required for this phase of the investigation.

4.2 Site Works

The ground investigation was undertaken on the 18th and 19th of November 2025. The ground investigation comprised a total of 7no. window sample boreholes to a maximum depth of 6.44m below existing ground level (begl) (WS02) and a total of 12no. trial pit boreholes to a maximum depth of 3.60m begl (TP05).

Gas and water monitoring standpipes were installed in WS02, WS05 and WS06 as part of this investigation to allow monitoring of groundwater levels and ground gas.

The exploratory hole location plan and exploratory hole logs are presented in Appendix B.

4.3 Ground Conditions

Topsoil was encountered in TP01, TP02, TP03, TP08, TP10, WS01, WS02, WS03, WS04 and WS07 from surface to a maximum depth of 0.50m begl (TP02 and TP08) generally comprising soft, dark brown and brown slightly gravelly, sandy silt. The gravel fraction consists of angular to sub-rounded flint with abundant roots.

Made Ground was encountered in TP04, TP07, TP09, TP12, WS05 and WS06 from surface to a maximum depth of 1.30m begl (TP07). A surface layer of concrete/asphalt was encountered in TP07 and TP12 to a maximum depth of 0.60m and 0.15m respectively. The made ground comprises of soft, dark brown slightly gravelly sandy silt. In exception the made ground within TP07, TP12 and WS05 were logged as dark brown and black, silty sandy gravel and gravelly sand. The gravel fraction consists of angular to sub-angular flint and fragments of brick, slate and glass.

Beneath the topsoil, the made ground was proved in TP02, TP05, TP06 and TP11 to a maximum depth of 1.20m (WS05) generally comprising firm, dark brown, brown and light brown locally mottled orange brown slightly gravelly silty clay, except in WS11 firm dark brown and brown slightly gravelly sandy silt. The gravel fraction consists of angular to sub-angular flint, quartzite and fragments of brick.

Trial pit TP07 was abandoned within the made ground at 1.30m depth due to fast inflow of groundwater.

Superficial Glacial Till was recorded across most of the site except TP07 which did not fully penetrate the made ground, generally comprising firm becoming stiff light brown and brown slightly sandy, slightly gravelly silty clay with occasional coal fragments locally to the full depth of investigation (6.50m begl).

SPT-N values within the Glacial Till ranged between 13 and 15 at 1.00m begl and 32 and 39 at 2.00m begl and 33 and 50 at 3.00m begl.

Hand shear vanes undertaken within the superficial Glacial Till were recorded to be between 90kPa and >120kPa indicating that the soils are of high strength.

4.4 Groundwater

Groundwater strikes were recorded within TP01 (0.50m begl), TP05 (2.50m begl), TP07 (0.60m begl), WS01 (3.50m begl) and WS03 (1.50m begl). The water strikes are considered to represent perched water and are not representative of the wider groundwater regime below the site. No groundwater was recorded within the monitored wells to date.

4.5 Contamination Observations

The made ground encountered during this investigation was not generally noted to have olfactory or visual evidence of contamination; however, a slight organic odour was noted within TP07 (0.60m begl). The made ground contained brick, limestone, wood, glass, concrete fragments and plastic. No asbestos containing materials were noted during excavation and boring.

4.6 Chemical Analysis

Chemical laboratory analyses were selected to provide the parameters necessary to assess the suitability for the re-use of soils on the site as well as to inform risk assessment for end users and controlled waters. The choice of contamination testing was based on the commonly occurring potential contaminants as identified within the Phase I Site Appraisal and on-site visual observations of contaminated soils. The chemical analysis results are presented in Appendix C. In summary the following testing has been completed:

- 10no. samples for a general suite of contaminants - metals, inorganics, speciated polyaromatic hydrocarbons, and asbestos.
- 2no. Leachate for waste acceptance criteria (WAC) suite

4.7 Geotechnical Testing

Geotechnical soils testing has been undertaken as part of the ground investigation to provide the parameters necessary for the budgetary design of the development. The geotechnical test results are presented in Appendix D. In summary the following testing has been completed:

- 5no. for Atterberg limit tests.
- 3no. for pH and water-soluble sulphate.
- 2no. for remoulded CBR at natural water content.

5.0 Human Health Risk Assessment (Ground Gas)

Gas/groundwater monitoring standpipes have been installed within three boreholes (WS02, WS05 and WS06) and response zones targeted in natural ground.

Six rounds of gas and groundwater monitoring have been undertaken between the 2 December 2025 and 5 March 2026 using a GA5000 Multi-Function Gas Analyser.

The results of the ground gas monitoring were assessed using the classification system contained within BS 8485:2015+A1:2019 and CIRIA C665. The classification system uses gas concentrations and recorded flow rates for CH4 and CO2 to determine a borehole hazardous gas flow rate (Qhg). Qhg is used to assign a Characteristic Situation (CS) for each borehole, based on Table 2 in BS 8485:2015+A1:2019 and the Qhg has been calculated using the equation below:

$$Q_{hg}=q(C_{hg}/100)$$

where:

q is the measured flow rate of combined gases from the monitoring standpipe (l/hr)

Chg is the measured hazardous gas concentration (% v/v)

The recorded concentrations of ground gas and flow rate during the periodic monitoring undertaken to date are summarised in the table below:

Borehole	Max Steady Flow (l/hr)	Max. Steady CH4 (% v/v)	Max. Steady CO2 (% v/v)	CH_4 Qhg (l/hr)	CO_2 Qhg (l/hr)	CS
WS02	0.9	0.1	1.0	0.0009	0.009	1
WS05	2.9	0.2	2.5	0.0058	0.0725	2
WS06	1.3	0.2	0.9	0.0026	0.0117	1
Worst Case	2.9	0.2	2.5	0.0058	0.0725	2

The monitoring completed to date has recorded a maximum steady carbon dioxide concentration of 2.5% v/v, maximum steady methane concentrations of 0.2% v/v and a minimum oxygen concentration of 14.6% v/v. Carbon monoxide and hydrogen sulphide were not recorded. VOCs were monitored with a Photoioniser Detector (PID) on the first visit and no VOCs were recorded.

A plausible worst case Qhg has been calculated for carbon dioxide of 0.0725 l/hr using the maximum steady flow rate of 2.9 l/hr from WS05 on Visit 4 and the maximum recorded steady carbon dioxide concentrate of 2.5% from WS05 on Visit 5. The 'worst case' Qhg for carbon dioxide would slightly exceeds the 0.07l/hr threshold for classifying the site as Characteristic Situation 2 (CS2) in accordance with BS 8485:2015+A1:2019.

It is considered that this worst-case scenario is not representative of the gas regime revealed by the full monitoring program give the generally nominal flows and carbon dioxide concentrations consistently <5%. The Qhg has been calculated for carbon dioxide for each visit, these are consistently below the threshold of 0.07l/hr.

	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5	Visit 6
CO2 Qhg (l/hr)	0.0001	0.0012	0.01	0.0609	0.0325	0.0143

Limited thicknesses of made ground were recorded overlying impermeable cohesive soils, the latter which would not be considered a source or pathway for ground gases. Given the maximum thickness of made ground encountered was 1.30m begl, and absent over much of the site a significant potential source material has not

been identified. As such it is considered that adopting Characteristic Situation 2 (CS2) is unrepresentative of the ground gas situation and overly conservative and a Characteristic Situation 1 (CS1) would be appropriate for the site.

Based on a CS1 classification gas protection measures would not be required for the proposed development.

The gas monitoring results to date are presented in Appendix E.

6.0 Human Health Risk Assessment (Soil)

6.1 Introduction

It is understood that the site is to be developed to provide 50no. low rise residential properties with associated private gardens, front parking spaces, access roads and soft landscaping areas.

The Phase II investigation works has revealed Made Ground across the entire site to a maximum depth of 1.30m begl (TP07) although no visual or olfactory signs of significant contamination were recorded.

Representative samples of the Made Ground and natural soils encountered were collected for further examination and/or potential testing.

The Generic Assessment Criteria (GAC) used by AJP are presented in Appendix F. For this site, the chemical analysis results are being compared against the GAC for residential end-use with home-grown produce with a soil organic matter (SOM) content of 2.5%, this is considered the most appropriate GAC based on the most sensitive future end-use receptor.

6.2 Risk to End Users

The chemical analyses of the Topsoil and Made Ground soils have recorded the following exceedances:

	Recorded exceedances in Made Ground when compared against the relevant GAC			
Location (Exploratory Hole)	Depth of Sample (m begl)	Determinants	GAC (mg/kg)	Exceedance (mg/kg)
TP04	0.20 m	Benzo(a)pyrene	2.7	6.7
TP06	0.20m			4
TP07	0.80m			4.9
TP08	0.30m			5.6
TP12	0.30m			3.1
TP04	0.20 m	Benzo(a)fluoranthene	3.3	7.6
TP06	0.20m			4.2
TP07	0.80m			5.6
TP08	0.30m			6.2
TP12	0.30m			4.2
TP04	0.20 m	Diebenz(a,h)anthracene	0.28	0.75
TP06	0.20m			0.59
TP07	0.80m			0.54
TP08	0.30m			0.52
TP07	0.80m	Naphthalene	5.6	5.8
TP04	0.20m	Arsenic	37	38
TP04	0.20 m	Lead	200	490
TP06	0.20m			240
TP08	0.30			220
WS06	0.40m			220

All 10no. samples were tested for the presence of asbestos; asbestos was encountered in two samples, TP07 at 0.80m and WS06 (0.40m). Asbestos quantification analysis of those samples has recorded <0.001 % total mass of sample.

Full results of chemical analysis are presented in Appendix C.

6.3 Risk to Construction Workers

During any future construction works that take place on site, risks associated with contaminated soils must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015. Potential acute risks resulting from short term exposure to contamination by construction / maintenance workers involved with the proposed development and future intrusive maintenance works (i.e. repairing services) cannot be assessed using the a forementioned GAC because they relate to the long-term (chronic) risk.

In accordance with CDM, potential risks to human health and the environment from construction activities shall be appropriately identified and all necessary steps taken to eliminate/manage that risk with the use of appropriate risk assessments and safe systems of work. It has been assumed that any future construction works on-site will be undertaken in compliance with these requirements and therefore construction workers involved in any future development at the site and intrusive maintenance workers (e.g. for repair of underground services) have been discounted as a human receptor in this report.

However, it is recommended that the laboratory test results are included in the consideration of site-specific risk assessment for the ground workers that will be exposed to the soils beneath the site.

7.0 Controlled Waters Risk Assessment

7.1 Risk Assessment

The chemical testing and ground investigation has not identified any grossly contaminated soils. The investigation has confirmed that the site is underlain by cohesive strata and as such it is considered there is no pathway linking the onsite made ground and the regional ground water in the identified potential receptors.

Given the lack of a significant contamination source and a pathway between the made ground the potential receptors, it is considered there is no viable pollutant linkage present in respect of controlled waters and as such the risk posed to controlled waters by the site is negligible.

8.0 Construction Materials Risk Assessment

8.1 Water Supply Pipes

The chemical analysis results have been compared against UK Water Industry Research (UKWIR) Contamination Thresholds for sub-surface water pipes. The chemical testing has not recorded elevations when compared to the UKWIR threshold values. Given the thicknesses of Made Ground it is considered that any water pipes laid at traditional depths of 0.75m to 1.35m will be laid within both Made Ground and natural soils and as such as clean gravel surround may be required where laid within the made ground soils.

Standard PE/PVC water pipes are considered suitable, subject to confirmation from the utilities supplier.

8.2 Buried Concrete

Based on the worst-case water-soluble sulphate value of 570mg/l and pH levels of 5.4 and considering the site as a brownfield location with static ground water this equates to a DS Class of DS-2 and ACEC Class of AC-2s.

As such FND2 concrete would be suitable for unreinforced and reinforced concrete.

9.0 Phase II Conceptual Model

9.1 Human Health Risks - Soils

The preceding information has been used to revise the conceptual model.

The chemical analysis has identified exceedances of PAHs, arsenic and lead when compared against the relevant AJP GACs for residential end-use with plant uptake. In addition, trace levels of asbestos were recorded in two of the sampled tested. As such the soils present onsite are considered pose a potential risk to human health.

9.2 Human Health Risks- Ground Gas

The gas risk assessment on completion of the monitoring program has determine that a CS1 site classification is considered appropriate, and therefore a very low risk has been established. As such gas precautions in respect of Methane and Carbon Dioxide are not considered to be required.

The site is not in an area where radon protection measures are required.

9.3 Controlled Waters Risks

No significant source or plausible pathways have been identified. As such it is considered that there will be no risk to controlled waters.

9.4 Construction Materials Risks

Based on the anticipated depths of water pipes it is considered that standard PE/PVC water pipes will be sufficient.

FND2 concrete will be required for use across the site.

9.5 Conceptual Model

An updated assessment of relevant PCLs and associated risk ratings has been completed, and a summary is provided in the Table on the next page.

Source	Pathway	Receptor	Consequence	Probability	Risk Assessment and Justification
On-site sources - Made Ground, demolished buildings and infilled pond.	Dermal contact, inhalation and ingestion of contaminants in soil and soil derived dust	Future site users/ Construction	Mild	Likely	**Moderate / Low Risk -** Elevated PAHs and metals have been recorded.
		Site construction worker / Adjacent Site Users	Minor	Unlikely	**Very Low Risk -** Construction workers have a shorter exposure period, and risks shall be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015.
	Inhalation of volatile soil vapours and ground gas	Future site user/worker	Medium	Unlikely	**Low Risk -** The gas monitoring completed has not revealed elevated levels of ground gas.
		Site construction worker			
	Inhalation of asbestos free fibres	Future site users	Severe	Unlikely	**Moderate / Low Risk* -** Testing of the topsoil has not revealed presence of asbestos, however asbestos containing materials were identified in two locations of the site.
		Site construction worker		Unlikely	**Moderate / Low Risk*** - Strict measures should be adopted to reduce the risk of cross contamination across the site from the two locations where asbestos was identified.
	Leaching of contaminants from soil and vertical migration into groundwater	Groundwater within superficial deposits (Secondary Undifferentiated)	Mild	Unlikely	**Very Low Risk -** Significant contamination has not been recorded and the presence of low permeability soils near surface will restrict the potential for migration of contamination down to the water table.
		Groundwater within bedrock (Principal Aquifer)	Mild	Unlikely	**Very Low Risk -** The site is likely to be underlain by largely cohesive Glacial Till and therefore will restrict infiltration and downward migration of contaminants.
	Permeation through soils and shallow groundwater migration	Surface water	Mild	Unlikely	**Very Low Risk -** No surface water features within 250m of the site.
*** While asbestos was detected at very low levels and the probability of the linkage existing is unlikely given the severity of consequences the moderate / low risk is the lowest achievable risk level.**					

10.0 Remediation and Validation

10.1 Protection of End-Users - Soils

The chemical testing has highlighted the presence of elevated levels of PAHs, arsenic, lead and asbestos in the topsoil and made ground.

Due to the contamination identified it is considered that a 600mm clean capping layer is required for all private gardens and 300mm capping in any areas of public open space.

10.2 Imported Capping Material

The onsite soils are considered unsuitable for reuse in the capping layer and subsoil and topsoil will require to be imported for use in private gardens and public open space. All imported subsoil and topsoil should be chemically validated in line with the published Manchester City Council 'Planning guidance relating to contaminated land' document, all imported soils should be tested at the below rates:

End Use	Greenfield Soils	Remediated Soils	Brownfield Soils	Unknown Source Soils
Residential Gardens	1 per 200m^3	1 per 100m^3	1 per 50m^3	1 per 50m^3
Soft Landscaping	1 per 200m^3	1 per 150m^3	1 per 150m^3	1 per 150m^3
Other	1 per 200m^3	1 per 200m^3	1 per 200m^3	1 per 200m^3

The source of the any imported topsoil or subsoil should be established prior to testing and documented by transfer tickets relating to the importation of the specific materials to be validated. While review of off-site testing records for materials prior to importation to confirm suitability, the materials will be require on-site testing to confirm that they are appropriate for reuse. The materials should be tested for the following determinants:

Source	Chemical Analysis Suite		
	General Soil Suite	Asbestos	Hydrocarbons (TPHCWG)
Greenfield Source	✓	✓	
Brownfield Source	✓	✓	✓
Generated Soil	✓	✓	✓

The results of the chemical validation should be compared to the GACs for a residential with home-grown produce end-use as included in Appendix G and should comply with BS3882 specification for topsoil.

10.3 Capping Validation

To ensure the capping layer is the required thickness depth validation will be required, these works will comprise hand dug trial holes to the full depth of the capping layer to allow inspection of the materials and collection of photographic evidence. Private gardens should be validated at a rate of one location per two plots and areas of public open space should be validated at a rate of one location per 625m^2 (25m grid). On completion of these works, validation reports will be produced which will include the following as a minimum:

- Plan of validation pit locations.
- Photographic record showing capping is the correct thickness.
- Results of chemical validation analysis.

10.4 Re-Use Of Site Won Materials.

The site won topsoil is not considered suitable for reuse in private gardens or soft landscaping and should be removed from site. The made ground soils are not considered suitable for reuse within the upper 600mm of private gardens or 300mm of soft landscaping and should only be reused where provided with an appropriate thickness of clean capping or below permanent impermeable hardstanding or surfacing.

The off-site disposal of any soils should be thoroughly documented and transfer tickets and waste disposal notes retained to demonstrate the soils have been removed in compliance with current guidance.

The natural soils are suitable for re-use on site without further assessment.

10.5 Protection of End-Users - Ground Gas

Based on the results of the ground gas risk assessment the site has been classified as Characteristic Situation 1 (CS1) in accordance with BS 8485:2015+A1:2019. As such, gas protection measures are not required.

There is no requirement for radon precautions.

10.6 Protection of Construction Workers

Specific remediation to protect construction workers is not required. However, during future construction works on site, risks associated with soils must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015. In accordance with CDM, potential risks to human health and the environment from construction activities shall be appropriately identified and all necessary steps are taken to eliminate/manage that risk with the use of appropriate risk assessments and safe systems of work, including using suitable personal protective equipment (PPE) in line with the ground workers risk assessment.

10.7 Protection of Controlled Waters

The site is not considered to pose a risk to controlled waters and thus no remediation is required.

10.8 Protection of Construction Materials

Specific remediation to protect construction materials should not be required, standard PE / PVC water pipes will be required, subject to approval from the utility provider.

In accordance with BS 8500:2016 DS/AC-1 concrete classification which would equate to DC-1, GEN01 (non-structural) or GEN03 / RC25/30 (structural) concrete would be suitable for the proposed development.

10.9 Waste Disposal Classification

The results of the chemical analysis have been subject to an online Hazwaste Assessment. The online Hazwaste assessment has confirmed that out of a total of eight samples that underwent chemical analysis, all eight have been classified as non-hazardous, and may be suitable for disposal to an inert landfill subject to confirmation from the receiving facility. The full Hazwaste assessment can be found in Appendix F.

Transfer tickets and waste disposal notes should be retained to demonstrate the soils have been removed in compliance with current guidance.

10.10 Unrecorded or Unexpected Contamination

During future site redevelopment, groundworkers should remain vigilant for previously unrecorded or unexpected visual and/or olfactory evidence of contamination, or ground conditions which appear inconsistent with those identified during the ground investigation.

Examples of contamination may include, but may not be limited to oil-stained soils, free phase oily liquid within soils, buried waste materials, fibrous materials, strong odours or marked variation in soil colour and should any unexpected ground conditions be encountered during construction, the following procedures should be adopted:

- All works in the area should be ceased and cordoned off.
- AJP or similar geo-environmental consultant should attend site to inspect the area and if necessary collect samples for chemical analysis.
- If the inspection and/or chemical testing confirm the presence of additional contamination, the results will be shared with the LA EHO and any changes to the remedial strategy agreed. No works in the area will be undertaken to agreement has been reached.
- If the inspection and/or chemical testing confirm that no additional contamination is present, then works can proceed with no alteration to the remedial strategy.

11.0 Geotechnical Appraisal

11.1 Introduction

It is understood that the site is to be developed to provide 50no. low rise residential properties with associated private gardens, front parking spaces and new access roads.

11.2 Excavation Conditions

The ground investigation recorded up to 1.30m of granular and cohesive Made Ground (though generally <1m) overlying firm to very stiff cohesive natural soils. Excavation of these soils should be easily achieved using conventional hydraulic equipment. Given the consistency of the cohesive natural soils trench support is unlikely be required for typical excavation depths required for foundations and service trenches. Person entry into unsupported excavations should be prohibited.

Perched groundwater was encountered in six locations in the approximate centre and southern part of the site. The monitored wells to date are dry. Should groundwater be encountered upon excavation, sump pumping techniques should be adequate to control any ingress. Foundations should be constructed as soon as possible after excavation to reduce loosening of the formation horizon.

11.3 Foundations

It is considered that shallow traditional strip foundations will be suitable for the proposed development, bearing within the minimum firm to stiff (>90kPa) Glacial Till. An allowable bearing pressure of at least 125kN/m^2 with settlements not exceeding 25mm should be achievable, assuming a strip foundation 0.60m in width and minimum foundation depth of 0.90m begl bearing at least 200mm into the minimum firm natural soils.

The cohesive soils below the site are low to medium volume change potential as such in accordance with NHBC Standards 2024 Chapter 4.2 a minimum foundation depth of 0.90m is required.

A number of mature and semi-mature trees are present on site as such deepening of foundations due to tree influence and use of heave precautions is likely to be locally required. A tree survey should be commissioned and tree influence contours plotted as part of detailed foundation design. The foundation design should also consider any proposed new planting.

Where foundation depths exceed 2.50m these should be Engineer designed and may require the adoption of piled foundations.

Should piled foundations be required then reference to a specialist piling contractor should be made for detailed piling design (deeper boreholes will be required to enable design of piles).

11.4 Floor Slabs

Due to the presence of thicknesses of Made Ground more than 600mm across most of the site, and presence of shallow cohesive soils/tree influence it is considered that fully suspended floor slabs will be required.

11.5 New Access Roads Car Parking

The proposed development includes parking areas and an access road. The laboratory CBR tests on recompacted samples returned results of 2.1% and 2.5% for the natural soil in TP09 and TP03 beneath the site. Values in the underlying firm to stiff clay would expect to achieve a minimum of 3%. At this stage a design CBR value of 2% should be assumed (subject to in-situ testing).

11.6 Soakaway Drainage

Given the thicknesses of Made Ground and impermeable cohesive natural soils soakaway drainage is not considered feasible for the site.

11.1 Slope Stability

Based on the current site gradients it is considered are unlikely that the site will present any slope stability issues.

11.2 Retaining Structures

Given the existing topography in the areas of proposed development it is considered that no significant retaining structures are likely to be required. Should retaining structures be required they should be designed by a suitably qualified structural engineer.

12.0 Further Works

Further works will be required in order to discharge the relevant planning conditions and will generally comprise:

- Should piled foundations be required due to tree influence, then deeper ground investigation data may be required by the chosen piling contractor. This will be determined by the proposed pile lengths and warranty provider requirements.

This document should be submitted to the Planning Department of the Local Authority and to the Mining Remediation Authority for comment and approval.

Appendix A
Figures



Abbreviations/Symbols (Measured Building Surveys):

C:	Window Cill Height
H:	Window Head Height
BH:	Beam Height
DH:	Door Height
COL:	Column
SVP:	Soil Vent Pipe
Fl:	Floor Level
TH:	Threshold Level
2.50	Floor to Ceiling Height
	Vaulted Ceiling

Line types

	Hedge Lines
	Drainage Runs
	Overhead Electricity Cables
	Overhead Telephone Cables

Symbols

	Tree/Bush		Glass House
	Control Station		Osbm
	Borehole		
	Trial Hole		

Abbreviations (Topographic Survey):

AH:	Arch Height
AV:	Air Valve
BB:	Belsha Beacon
BOX:	Electricity Box, Cables Box, Etc.
BOL:	Bollard
BT/IC:	British Telecom Inspection Chamber
BS:	Bus Stop
BS/LP:	Bus Stop / Lamp Post
CATV:	CATV Inspection Chamber
CCTV:	Closed Circuit Television
CL:	Cellar Light
C..PIT:	Catch Pit
ER:	Earth Rod
EC:	Electricity Inspection Chamber
EP:	Electricity Pole
FH:	Fire Hydrant
FP:	Flag Pole
GV:	Gas Valve
G:	Gully
IC:	Inspection Chamber
KO:	Kerb Outlet
LP:	Lamp Post
LB:	Letter Box
LC:	Lighting Column
MKR:	Marker
MH:	Manhole
MP:	Mooring Point
MS:	Mile Stone
NYNEX:	Nynex Inspection Chamber
O/H:	Over Hang
P:	Post
PO/IC:	Post Office Inspection Chamber
R/S:	Road Sign
RE:	Rodding Eye
RTW:	Retaining Wall
S/P:	Sign Post
SNP:	Street Name Plate
ST:	Stop Tap
SV:	Stop Valve
T:	Telecom Inspection Chamber
TCB:	Telephone Call Box
TH:	Threshold Level
TL:	Traffic Light
TP:	Telegraph Pole
TROUGH:	Trough
WO:	Water Outlet
WM:	Water Meter

Fence Descriptions:

B/W:	Barbed Wire
C/B:	Close Boarded
C/BARRIER:	Crash Barrier
C/L:	Chain link
C/P:	Chestnut Paling
C/I:	Corrugated Iron
I/R:	Iron Railing
MISC:	Miscellaneous
P/R:	Post & Rail
P/W:	Post & Wire
P/C:	Post & Chain
S/PAL:	Steel Palisade
W/M:	Wire Mesh

Survey Notes:

Coordinates and Levels related to Ordnance Survey Datum - GPS OSGB36

Revision	Date	Description

Chris Partington Land Surveyors

56b Carrington Lane
Sale
Cheshire
M33 5NR
t: 0161 976 1194
www.cpls.co.uk e:survey@cpls.co.uk

Client

Southway Housing Trust

Project

Elsa Road, Levenshulme, Manchester
Site Survey

Scale: 1:250	Surveyed By: J C — Date: 11.04.25
Drawing No.: 1104025JC-01	Checked By: CPLS — Date: 15.04.25
	Drawn By: J C — Date: 15.04.25

CALDERPEEL.COM
© CALDERPEEL ARCHITECTS LTD
NOTE: DO NOT SCALE FROM THIS DRAWING

N

Scale: 1/200
0 2 4 8 20m

ANCHOR CLOSE

HALLSVILLE ROAD

MARCLIFFE

drop bollard emergency access or for refuse collection

plot 1 — C TYPE 3B 5P
plot 2 — A1 TYPE 3B 4P
plot 3 — A1 TYPE 3B 4P
plot 4 — A1 TYPE 3B 4P
plot 5 — A1 TYPE 3B 4P
plot 6 — A1 TYPE 3B 4P
plot 7 — B TYPE 2B 4P
plot 8 — B TYPE 2B 4P
plot 9 — A1 TYPE 3B 4P
plot 10 — A1 TYPE 3B 4P
plot 11 — A1 TYPE 3B 4P
plot 12 — E TYPE 4B 5P
plot 13 — E TYPE 4B 5P
plot 14 — E TYPE 4B 5P
plot 15 — A1 TYPE 3B 4P
plot 16 — A1 TYPE 3B 4P
plot 17 — B TYPE 2B 4P
plot 18 — B TYPE 2B 4P
plot 19 — B TYPE 2B 4P
plot 20 — D TYPE 3B 5P
plot 21 — D TYPE 3B 5P
plot 22 — B TYPE 2B 4P
plot 23 — B TYPE 2B 4P
plot 24 — B TYPE 2B 4P
plot 25 — D TYPE 3B 5P
plot 26 — D TYPE 3B 5P
plot 27 — C TYPE 3B 5P
plot 28 — A1 TYPE 3B 4P
plot 29 — A1 TYPE 3B 4P
plot 30 — E TYPE 4B 5P
plot 31 — A1 TYPE 3B 4P
plot 32 — A1 TYPE 3B 4P
plot 33 — E(M3) TYPE 3B 4P
plot 34 — C TYPE 3B 5P
plot 35 — A1 TYPE 3B 4P
plot 36 — A1 TYPE 3B 4P
plot 37 — A1 TYPE 3B 4P
plot 38 — A1 TYPE 3B 4P
plot 39 — C TYPE 3B 5P
plot 40 — B TYPE 2B 4P
plot 41 — B TYPE 2B 4P
plot 42 — B TYPE 2B 4P
plot 43 — C TYPE 3B 5P
plot 44 — A1 TYPE 3B 4P
plot 45 — A1 TYPE 3B 4P
plot 46 — B TYPE 2B 4P
plot 47 — B TYPE 2B 4P
plot 48 — D TYPE 3B 5P
plot 49 — D TYPE 3B 5P
plot 50 — C TYPE 3B 5P

1, 11, 15, 27, 37, 8, 15, 1, 9, 17, 9, 25, 23, 39

SCHEDULE OF ACCOMMODATION

20 No. A1 TYPE - 3 BED 4 PERSON 2 STOREY - 87 SQM
13 No. B TYPE - 2 BED 4 PERSON 2 STOREY - 74 SQM
06 No. C TYPE - 3 BED 5 PERSON 2 STOREY - 100 SQM
6 No. D TYPE - 3 BED 5 PERSON 2 STOREY - 97 SQM
04 No. E TYPE - 4 BED 5 PERSON 2 STOREY - 116 SQM
01 No. E(M3) TYPE - 3 BED 4 PERSON 2 STOREY - 118 SQM

50 No. HOUSES TOTAL

CHESHIRE
Market Court
20-24 Church St
Altrincham
WA14 4DW
0161 929 7622

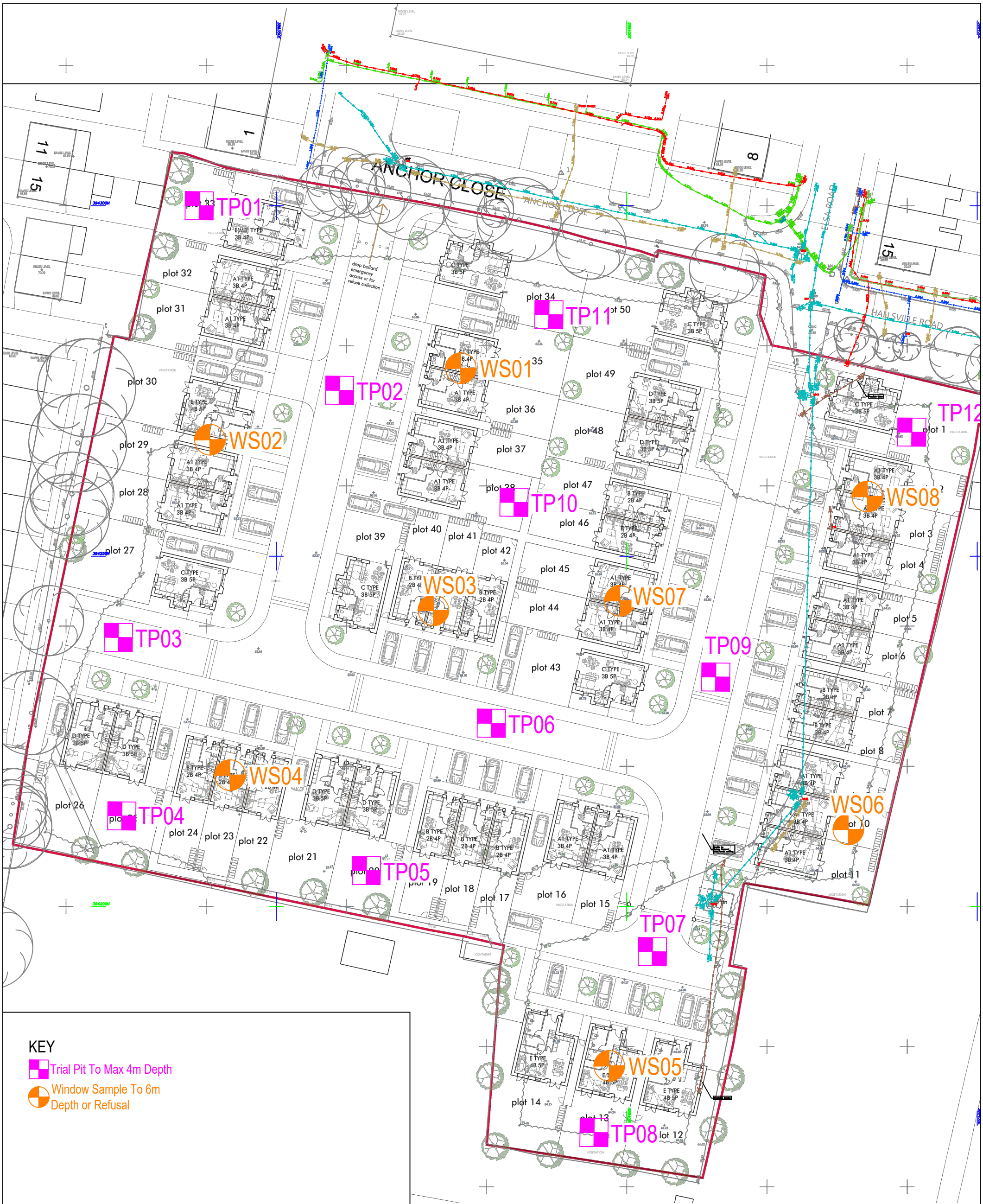
SHEFFIELD
Acero
1 Concourse Way
Sheffield
S1 2BJ
0114 212 9035

ELSA ROAD, FORMER LEVENSHULME CRICKET CLUB
SOUTHWAY HOUSING TRUST

PROPOSED SITE LAYOUT
DWG: 23118 (PL) 010 B
DATE: 20.02.25
SCALE: 1:200 @ A0 DRAWN: CP

CALDERPEEL ARCHITECTS

Appendix B
Exploratory Hole Location Plan and Logs



KEY

Trial Pit To Max 4m Depth

Window Sample To 6m Depth or Refusal

ELSA ROAD, FORMER LEVENSHU

SOUTHWAY HOUSING TRUST

REV	DATE	DESCRIPTION	BY	APP
P01	13.11.2025	First Issue	AG	JB

SCALE @ A3:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:500	AG	AG	JB	JB	NOV 2025

PROJECT: Elsa Road, Manchester

TITLE: Proposed Exploratory Hole Location Plan

STATUS:	PROJECT No:	DRAWING No:	REV:
S2	M225-362	M225-362-AJP--XX-00-DR-G-0703	P01

AJP consulting engineers est. 1978
0151 227 1462 info@ajpltd.co.uk 1 Dale Street, Liverpool, L2 2ET

Key to exploratory hole symbols and abbreviations

SAMPLE TYPES

ACM - Asbestos sample
AMAL - Amalgamated sample
B - Bulk disturbed sample
BLK - Block sample
C - Core sample
CBR - CBR test sample
D - Disturbed sample
ES - Environmental sample
EW - Environmental water sample
G - Gas sample
J - Jar sample
L - Liner sample
TW - Pushed thin wall sample
U - Undisturbed sample
UT - Undisturbed thin wall sample
W - Water sample

IN-SITU TESTS

HV - Hand shear vane
HV(r) - Hand shear vane residual
PID - Photo ionisation detector
PP - Hand penetrometer
SPT - Standard penetration test
SPT(C) - SPT using cone

GROUNDWATER

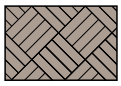

Groundwater strike

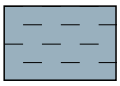

Groundwater rest level

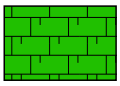
ROTARY CORE DETAILS

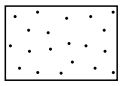
TCR - Total core recovery (%)
SCR - Solid core recovery (%)
RQD - Rock quality designation (%)
FI - Fracture index
NI - Non-intact core
AZCL - Assumed zone of core loss

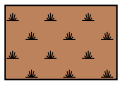
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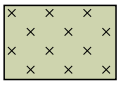

Topsoil

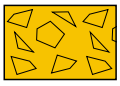

Clay

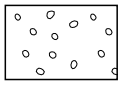

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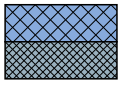

Sand backfill

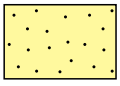

Peat

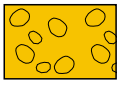

Silt

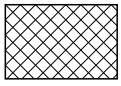

Breccia

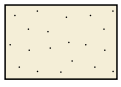

Gravel backfill

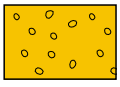

Made ground [cohesive]

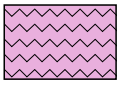

Sand

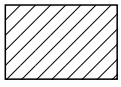

Conglomerate

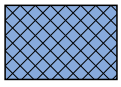

Arisings

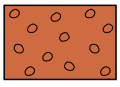

Concrete

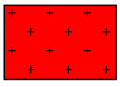

Gravel

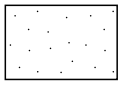

Metamorphic

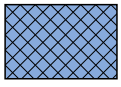

Bentonite

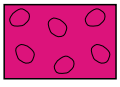

Wood


Cobbles


Igneous

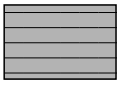

Concrete


Brick


Boulders

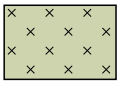

Grout


Bituminous material

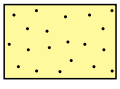

Mudstone


Plain pipe

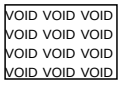

Gypsum


Siltstone

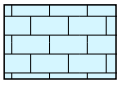

Coal


Sandstone


Slotted pipe



Void


Limestone

Created using Pebble Geo

Trial Pit

TP01

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388339.00	394300.00	63.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
		0.05	ES		62.90	(0.10) 0.10		TOPSOIL: Soft, dark brown, slightly gravelly, slightly sandy, SILTY CLAY. Sand is fine. Gravel is fine to medium, angular to sub-rounded flint with abundant roots.
						(0.40)		Firm, light brown and orange-brown mottled slightly sandy SILTY CLAY. Sand is fine. [GLACIAL TILL]
					62.50	0.50		Firm to stiff, brown, light brown and mottled reddish-brown SILTY CLAY. [GLACIAL TILL]
		0.80	HV	85 (kPa)				
						(1.00)		
					61.50	1.50		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts. [WEATHERED CHESTER FORMATION]
		2.10	HV	110 (kPa)				*At 2.10m occasional sub-angular to angular coal fragments. (2.10m)*
						(1.80)		*At 2.80m occasional low cobble content of mudstone and sandstone. Cobbles are angular to rounded. (2.80m)*
					59.70	3.30		*End of Trial Pit at 3.30m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP01
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388339.00	394300.00	63.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP01
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388339.00	394300.00	63.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP02

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388359.03	394273.67	63.22	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
		0.30	ES			(0.50)		TOPSOIL: Soft, dark brown sandy SILT. Sand is fine with abundant roots.
	▽				62.72	0.50		
						(0.30)		MADE GROUND: Firm, brown, light brown and mottled orange-brown, slightly gravelly SILTY CLAY. Gravel is fine to medium, sub-angular to angular quartzite and brickwork.
					62.42	0.80		
		1.20	HV	75 (kPa)		(1.30)		Firm to stiff, brown, light brown and mottled reddish-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
					61.12	2.10		
		2.50	HV	95 (kPa)		(0.70)		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts. [WEATHERED CHESTER FORMATION]
					60.42	2.80		*End of Trial Pit at 2.80m*

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.50m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions
0.00 - 3.80m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP02

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388359.03	394273.67	63.22	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.50m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions

0.00 - 3.80m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP02

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388359.03	394273.67	63.22	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.50m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions

0.00 - 3.80m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP03

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.45	394238.40	63.34	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
					63.04	(0.30) 0.30		TOPSOIL: Soft, dark brown sandy SILT. Sand is fine with abundant roots.
		0.50-0.70	B			(0.60)		Firm, brown, light brown and mottled reddish-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
		1.10	HV	90 (kPa)	62.44	0.90		Firm to stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
					61.54	(0.90) 1.80		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [WEATHERED CHESTER FORMATION]
					60.04	(1.50) 3.30		*End of Trial Pit at 3.30m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP03

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.45	394238.40	63.34	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP03
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.45	394238.40	63.34	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP04

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.95	394212.94	63.30	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
		0.20	ES		63.00	(0.30) 0.30		MADE GROUND: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine to medium, angular to sub-rounded flint, brick, glass, slate with abundant roots.
						(0.40)		Firm, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional rootlets. [GLACIAL TILL]
		0.80	HV	65 (kPa)	62.60	0.70		Firm to stiff, brown, light brown and mottled light grey SILTY CLAY with angular to sub-angular coal fragments. [WEATHERED CHESTER FORMATION]
						(2.50)		*At 2.50m becoming friable with mudstone lithorelicts. (2.50m)*
					60.10	3.20		*End of Trial Pit at 3.20m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.20m begl due to strata encountered.
4. Live roots observed to 0.70m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.20m JCB 3CX
Trial pit sides stable
L = 2.80m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP04

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.95	394212.94	63.30	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.20m begl due to strata encountered.
4. Live roots observed to 0.70m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.20m JCB 3CX
Trial pit sides stable
L = 2.80m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP04

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388327.95	394212.94	63.30	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.20m begl due to strata encountered.
4. Live roots observed to 0.70m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.20m JCB 3CX
Trial pit sides stable
L = 2.80m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

Trial Pit

TP05

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388362.84	394205.14	63.67	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
					63.37	(0.30) 0.30		TOPSOIL: Soft, dark brown sandy SILT. Sand is fine with abundant roots.
						(0.90)		MADE GROUND: Firm, brown, light brown and mottled orange-brown, slightly gravelly SILTY CLAY. Gravel is fine to medium, sub-angular to angular quartzite and brickwork.
		1.50	HV	95 (kPa)	62.47	1.20		Firm to stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments and selenite patches. [GLACIAL TILL]
	▽	2.50	HV	110 (kPa)	61.37	(1.10) 2.30		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [WEATHERED CHESTER FORMATION]
					60.07	(1.30) 3.60		*End of Trial Pit at 3.60m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 2.50m begl - Seepage
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP05
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388362.84	394205.14	63.67	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 2.50m begl - Seepage
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP05
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388362.84	394205.14	63.67	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 2.50m begl - Seepage
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

Trial Pit

TP06

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388380.68	394226.16	63.70	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
		0.20	ES		63.40	(0.30) 0.30		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
						(0.60)		MADE GROUND: Firm, brown, light brown and mottled orange-brown, slightly gravelly SILTY CLAY. Gravel is fine to medium, sub-angular to angular quartzite and brickwork.
		1.10	HV	75 (kPa)	62.80	0.90 (0.50)		Firm to stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
		2.70	HV	110 (kPa)	62.30	1.40 (1.40)		Firm to stiff, brown, light brown and mottled light grey SILTY CLAY with angular to sub-angular coal fragments. [GLACIAL TILL]
					60.90	2.80 (0.50)		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
					60.40	3.30		*End of Trial Pit at 3.30m*

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

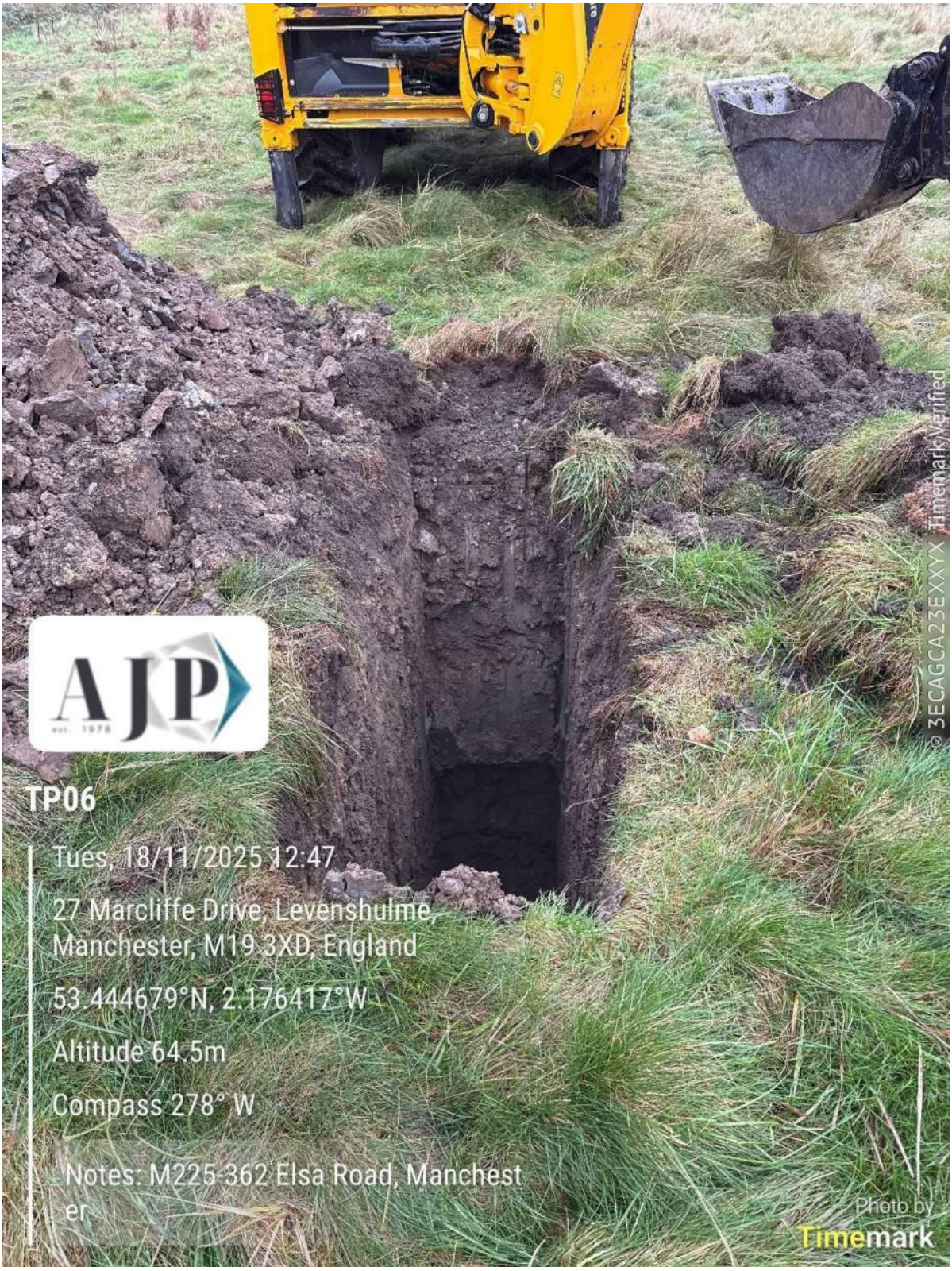
Trial Pit

TP06
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388380.68	394226.16	63.70	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP06
PHOTO PAGE

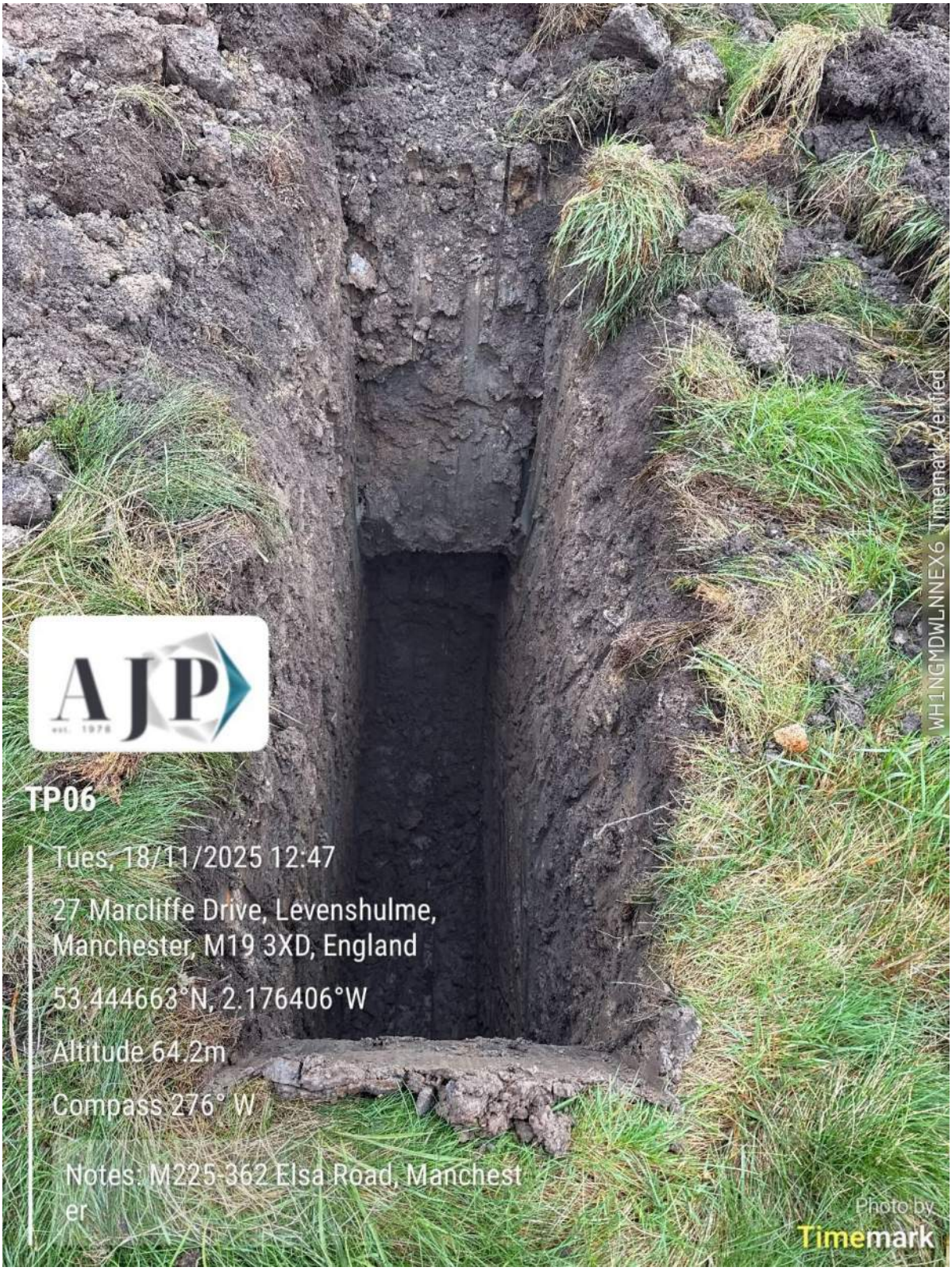
Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388380.68	394226.16	63.70	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.60m begl due to strata encountered.
4. Live roots observed to 0.30m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.60m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP07

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388401.72	394200.90	64.07	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
						(0.60)		MADE GROUND: Concrete with reinforced rebar.
	▽	0.80	ES		63.47	0.60		MADE GROUND: Dark brown and black, organic silty gravelly SAND with low cobble content of sandstone. Sand is fine. Gravel is fine to coarse, sandstone, brick, limestone, woods, glass and plastic with organic odour.
						(0.70)		
					62.77	1.30		*End of Trial Pit at 1.30m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.60m begl-Fast inflow
3. Trial pit terminated at 1.30m begl due to strata encountered.
4. Trial pit abandonned due to fast inflow of water and concern about contamination.

Method, Plant, Stability, Dimensions
0.00 - 1.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP07
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388401.72	394200.90	64.07	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.60m begl-Fast inflow
3. Trial pit terminated at 1.30m begl due to strata encountered.
4. Trial pit abandonned due to fast inflow of water and concern about contamination.

Method, Plant, Stability, Dimensions
0.00 - 1.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP07
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388401.72	394200.90	64.07	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.60m begl-Fast inflow
3. Trial pit terminated at 1.30m begl due to strata encountered.
4. Trial pit abandonned due to fast inflow of water and concern about contamination.

Method, Plant, Stability, Dimensions
0.00 - 1.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP08

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388395.33	394167.75	64.12	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
		0.30	ES		63.62	(0.50) 0.50		TOPSOIL: Soft, dark brown sandy SILT. Sand is fine with abundant roots.
		1.20	HV	60 (kPa)	62.72	(0.90) 1.40		Firm, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz with occasional rootlets. [GLACIAL TILL]
		2.50	HV	120 (kPa)	61.62	(1.10) 2.50		Firm to stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
					60.82	(0.80) 3.30		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL] *At 2.80m occasional low cobble content of mudstone and sandstone. Cobbles are angular to rounded. (2.80m)*
								End of Trial Pit at 3.30m

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP08

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388395.33	394167.75	64.12	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.65m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP08

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388395.33	394167.75	64.12	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.70m
W = 0.65m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP09

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388412.69	394232.75	64.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
					64.00	(0.40)		MADE GROUND: Soft, dark brown and brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine to medium, sub-angular to angular flint and brickwork.
		0.50-0.70	B		63.60	0.40		Firm, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY with low cobble content. Sand is fine. Gravel and cobbles are angular to sub-rounded flint and quartzite. [GLACIAL TILL]
						(0.80)		
		1.50	HV	70 (kPa)	62.80	1.20		Firm to stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
						(1.30)		
					61.50	2.50		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
						(0.60)		
					60.90	3.10		*End of Trial Pit at 3.10m*

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.10m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.10m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP09
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388412.69	394232.75	64.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.10m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.10m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP09

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388412.69	394232.75	64.00	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.10m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.10m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP10

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388383.92	394257.68	63.51	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
						(0.40)		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
					63.11	0.40		Firm, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional rootlets. [GLACIAL TILL]
						(1.10)		
					62.01	1.50		Stiff, reddish brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
		1.80	HV	85 (kPa)				
						(1.30)		
					60.71	2.80		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
						(0.50)		
					60.21	3.30		*End of Trial Pit at 3.30m*

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

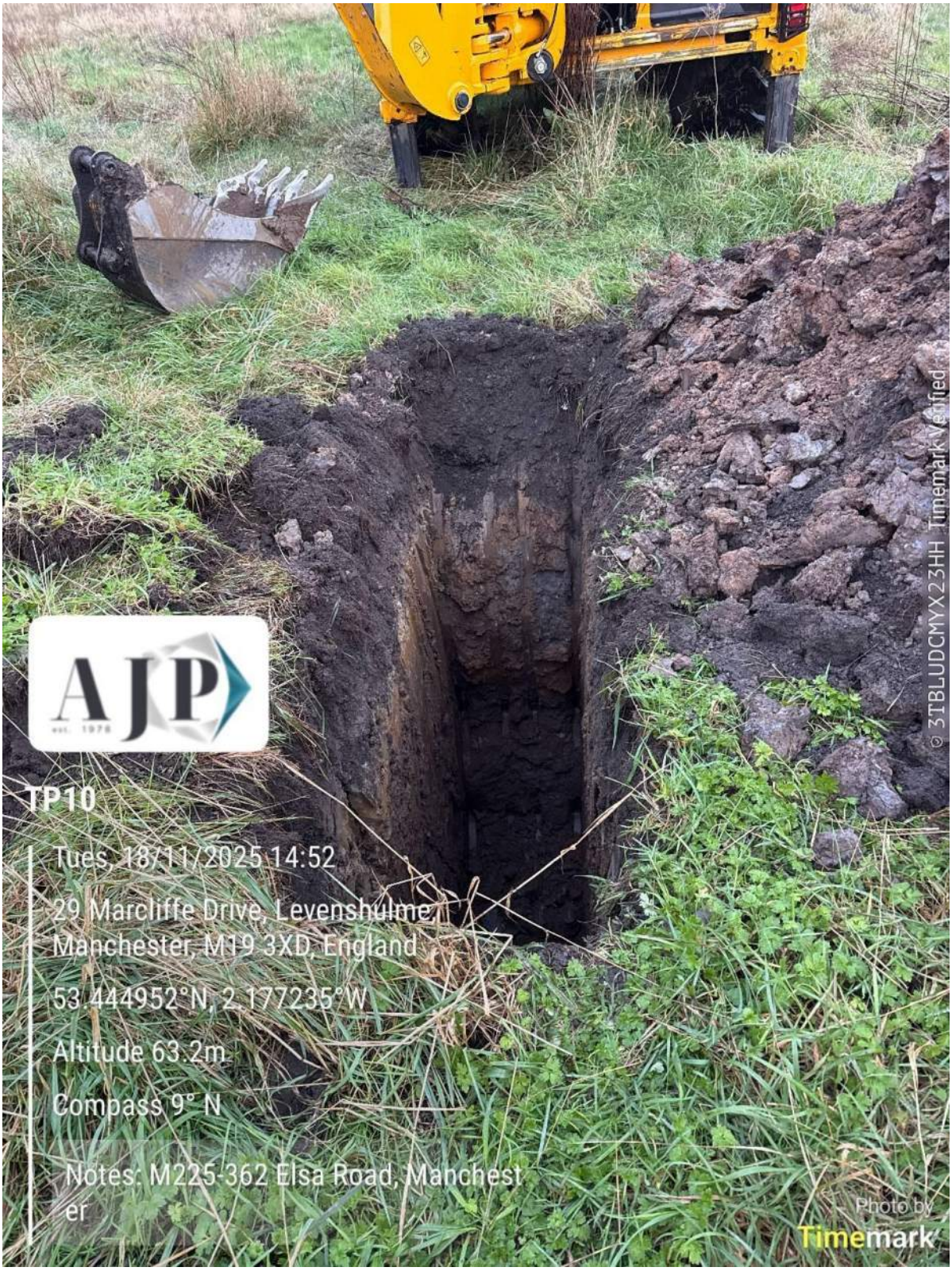
TP10

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388383.92	394257.68	63.51	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP10

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388383.92	394257.68	63.51	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.50m
W = 0.60m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP11

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388388.89	394284.46	63.21	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
						(0.40)		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
					62.81	0.40		
	▽	0.60	ES			(0.60)		MADE GROUND: Firm, dark brown and brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine to medium, sub-angular to angular flint and brickwork.
					62.21	1.00		
		1.50	HV	85 (kPa)		(1.50)		Firm, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
					60.71	2.50		
		2.80	HV	120 (kPa)		(0.80)		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
					59.91	3.30		*End of Trial Pit at 3.30m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.70m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP11
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388388.89	394284.46	63.21	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.70m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Trial Pit

TP11
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388388.89	394284.46	63.21	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. Groundwater encountered at 0.70m - Due to the Landfill drain pipe
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.40m depth.
5. A 50mm land drain encountered at 0.50m begl.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

Trial Pit

TP12

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388440.67	394267.70	63.92	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Samples and Tests: Type/ Ref	Samples and Tests: Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Strata: Description
						(0.15)		MADE GROUND: Asphalt.
					63.77	0.15		
		0.30	ES			(0.25)		MADE GROUND: Dark brown and black, silty sandy GRAVEL. Sand is fine. Gravel is fine to coarse, sandstone, brick and glass with occasional rootlets.
					63.52	0.40		Firm, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
						(2.10)		*At 1.40m occasional low cobble content of mudstone and sandstone. Cobbles are angular to rounded. (1.40m)*
		1.80	HV	75 (kPa)				
					61.42	2.50		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with occasional mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		2.70	HV	120 (kPa)		(0.80)		
					60.62	3.30		*End of Trial Pit at 3.30m*

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Trial Pit

TP12

PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388440.67	394267.70	63.92	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks

1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions

0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger

AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

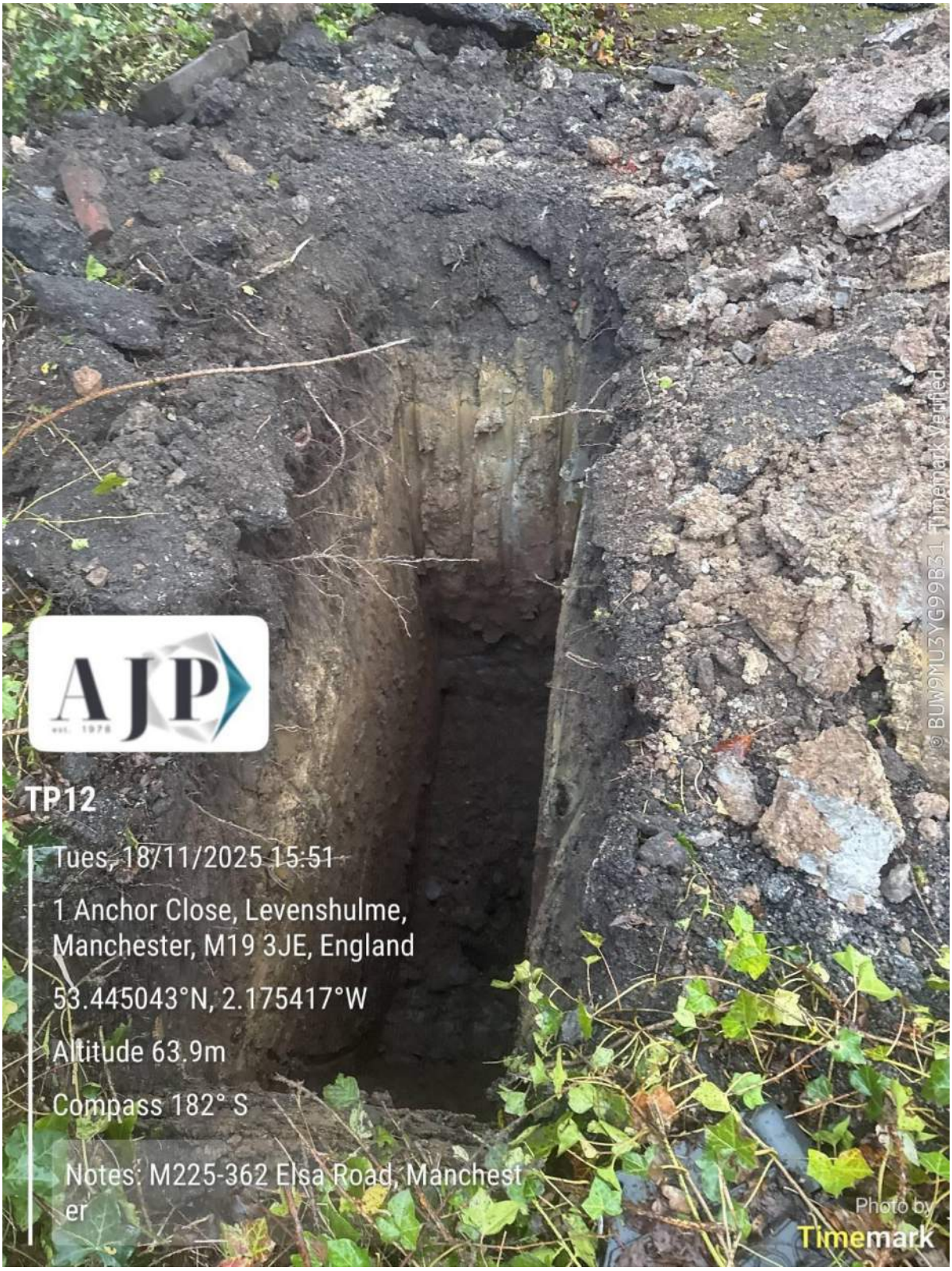
Trial Pit

TP12
PHOTO PAGE

Hole Type	Easting	Northing	Ground Level (m)	Scale
TP	388440.67	394267.70	63.92	1:25

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-18	2025-11-18

Client	Consultant	Contractor
Seddon Construction Limited	AJP Midlands LTD	H & C Plant Hire and Regional Drilling Limited



Remarks
1. Exploratory hole location scanned with CAT before commencement.
2. No groundwater encountered.
3. Trial pit terminated at 3.30m begl due to strata encountered.
4. Live roots observed to 0.50m depth.

Method, Plant, Stability, Dimensions
0.00 - 3.30m JCB 3CX
Trial pit sides stable
L = 2.60m
W = 0.65m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS01

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388376.30	394276.81	63.00	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					62.80	(0.20) 0.20		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
						(0.60)		Firm to stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
		0.90 1.00	HV SPT(C)	84 (kPa) N=15 (1,3/3,3,4,5)	62.20	0.80		
						(0.90)		Stiff, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments. [GLACIAL TILL]
		1.80 1.90 2.00	HV D SPT(C)	130 (kPa) N=32 (3,6/7,8,8,9)	61.30	1.70		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		2.90 3.00	HV SPT(C)	130 (kPa) N=33 (8,6/7,7,8,11)				*At 2.80m occasional fine sand pocket. (2.80m)*
	▽					(3.75)		
		3.80 4.00	HV SPT(C)	130 (kPa) N=38 (5,7/7,9,10,12)				
		5.00	SPT(C)	N=50 (7,8/10,12,14,14)				
					57.55	5.45		*End of Borehole at 5.45m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. Groundwater encountered at 3.50m -Seepage
3. Borehole terminated at 5.45m begl- SPT refusal.
4. Borehole backfilled with arisings upon completion.

Method, Plant, Stability, Dimensions
0.00 - 5.45m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS02

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388340.51	394266.61	63.04	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					62.64	(0.40) 0.40		TOPSOIL: Firm dark brown slightly sandy SILTY CLAY. Sand is fine with occasional roots.
		0.90	HV	82 (kPa)				Firm to stiff, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments, sand pocket and trace roots. [GLACIAL TILL]
		1.00	SPT(C)	N=18 (2,2/4,4,4,6)		(0.90)		
		1.60	D		61.74	1.30		Stiff, light brown and orange-brown mottled light grey slightly sandy SILTY CLAY. Sand is fine with occasional angular coal fragments. [GLACIAL TILL]
		1.80	HV	130 (kPa)				
		2.00	SPT(C)	N=33 (4,6/7,8,8,10)				
		2.80	HV	130 (kPa)		(2.50)		
		3.00	SPT(C)	N=31 (5,6/6,7,8,10)				
		4.00	SPT(C)	N=36 (6,7/7,8,10,11)	59.24	3.80		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		5.00	SPT(C)	N=32 (6,8/8,7,7,10)		(2.64)		
		6.00	SPT(C)	N=50 for 295mm (7,8/9,13,14,14 for 70mm)				
					56.60	6.44		*End of Borehole at 6.44m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. No groundwater encountered.
3. Borehole terminated at 6.44m begl- Traget depth reached
4. 50mm ID HDPE gas/groundwater monitoring standpipe installed to 3.00m begl. Response zone between 1.00m and 3.00m with gravel filter. Flush Cover at surface.

Method, Plant, Stability, Dimensions
0.00 - 6.44m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS03

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388372.41	394242.26	63.51	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
						(0.35)		TOPSOIL: Soft, dark brown sandy SILT. Sand is fine with abundant roots.
					63.16	0.35		
						(0.35)		Stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz. [GLACIAL TILL]
					62.81	0.70		
		0.90	HV	110 (kPa)				
		0.90	D					Stiff, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments, sand pocket and trace roots. [GLACIAL TILL]
		1.00	SPT(C)	N=13 (2,1/3,3,3,4)				
		1.90	HV	130 (kPa)				
		2.00	SPT(C)	N=39 (4,6/7,10,10,12)		(2.72)		
		2.90	HV	130 (kPa)				
		3.00	SPT(C)	N=50 for 270mm (9,9/11,13,15,11 for 45mm)				
					60.09	3.42		*End of Borehole at 3.42m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. Groundwater encountered at 1.50m - Seepage
3. Borehole terminated at 3.42m begl- SPT refusal.
4. Borehole backfilled with arisings upon completion.

Method, Plant, Stability, Dimensions
0.00 - 3.42m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS04

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388343.38	394218.74	63.44	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					63.09	(0.35) 0.35		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
		0.90	HV	78 (kPa)				Firm becoming stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz with occasional rootlets. [GLACIAL TILL]
		1.00	SPT(C)	N=17 (2,2/3,4,5,5)	62.14	(0.95) 1.30		
		1.70	HV	100 (kPa)				Stiff, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments, sand pocket and trace roots. [GLACIAL TILL]
		2.00	SPT(C)	N=38 (5,6/8,9,9,12)		(1.60)		
		2.70	D					
		2.80	HV	126 (kPa)	60.54	2.90		
		3.00	SPT(C)	N=41 (6,8/8,9,11,13)				Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		4.00	SPT(C)	N=38 (7,7/7,8,11,12)		(2.54)		
		5.00	SPT(C)	N=50 for 290mm (7,7/11,12,14,13 for 65mm)				
					58.00	5.44		*End of Borehole at 5.44m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. No groundwater encountered.
3. Borehole terminated at 5.44m begl- SPT refusal.
4. Borehole backfilled with arisings upon completion.

Method, Plant, Stability, Dimensions
0.00 - 5.44m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS05

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388397.50	394177.26	64.17	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					64.02	(0.15) 0.15		MADE GROUND: Concrete with reinforced rebar.
					63.87	(0.15) 0.30		MADE GROUND: Brown and light grey mottled SAND and GRAVEL. Sand is fine to medium. Gravel is medium to coarse, angular to rounded flint, brickwork and concrete fragments.
		0.50	ES			(0.60)		
		1.00	SPT(C)	N=15 (2,2/3,3,4,5)	63.27	0.90		MADE GROUND: Soft, dark grey and dark green slightly gravelly sandy SILTY CLAY. Sand is fine. Gravel is fine to medium, sub-angular to angular quartz, brickwork, glass and ash.
		1.70	HV	104 (kPa)		(1.00)		Firm becoming stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments. [GLACIAL TILL]
		2.00	SPT(C)	N=39 (6,6/8,8,10,13)	62.27	1.90		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		2.50	D			(1.53)		
		2.80	HV	106 (kPa)				
		3.00	SPT(C)	N=50 for 275mm (8,10/12,14,14,10 for 50mm)				
					60.74	3.43		*End of Borehole at 3.43m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. No groundwater encountered.
3. Borehole terminated at 3.43m begl- SPT refusal.
4. 50mm ID HDPE gas/groundwater monitoring standpipe installed to 3.00m begl. Response zone between 1.00m and 3.00m with gravel filter. Flush Cover at surface.

Method, Plant, Stability, Dimensions
0.00 - 3.43m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS06

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388431.62	394211.00	64.54	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					64.39	(0.15) 0.15		MADE GROUND: Asphalt.
		0.40	ES			(0.45)		MADE GROUND: Soft, dark brown, brown and black slightly gravelly sandy SILT. Sand is fine. Gravel is fine to medium, sub-angular to angular quartz, brickwork, glass and ash.
					63.94	0.60		
		1.00	SPT(C)	N=15 (2,2/3,3,4,5)		(0.50)		Firm to stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments. [GLACIAL TILL]
					63.44	1.10		
		1.60	D					Stiff, brown, light brown and mottled orange-brown slightly gravelly SILTY CLAY. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments and trace roots. [GLACIAL TILL]
		1.90	HV	90 (kPa)				
		2.00	SPT(C)	N=37 (6,6/7,9,10,11)		(2.34)		
		2.90	HV	130 (kPa)				
		3.00	SPT(C)	N=50 for 295mm (6,7/10,13,13,14 for 70mm)				
					61.10	3.44		*End of Borehole at 3.44m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. No groundwater encountered.
3. Borehole terminated at 3.44m begl- SPT refusal.
4. 50mm ID HDPE gas/groundwater monitoring standpipe installed to 3.00m begl. Response zone between 1.00m and 3.00m with gravel filter. Flush Cover at surface.

Method, Plant, Stability, Dimensions
0.00 - 3.44m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Dynamic (Windowless) Sampler

WS07

Sheet 1 of 1

Hole Type	Easting	Northing	Ground Level (m)	Scale
WLS	388399.02	394243.63	63.80	1:50

Project Name	Project No.	Start Date	End Date
Elsa Road, Levenshulme, Manchester	M225-362	2025-11-19	2025-11-19

Client
Seddon Construction Limited

Consultant
AJP Midlands LTD

Contractor
H & C Plant Hire and Regional Drilling Limited

Inst/ Backfill	Water Levels	Samples and Tests: Depth (m)	Type/ Ref	Results	Level (m)	Depth (thickness) (m)	Strata: Legend	Description
					63.50	(0.30) 0.30		TOPSOIL: Soft, dark brown slightly gravelly sandy SILT. Sand is fine. Gravel is fine angular to rounded flint with abundant roots.
		0.80 0.90 1.00	D HV SPT(C)	100 (kPa) N=15 (2,2/3,3,4,5)		(1.00)		Firm to stiff, brown, light brown and mottled orange-brown slightly gravelly, slightly sandy SILTY CLAY. Sand is fine. Gravel is angular to sub-rounded flint and quartz with occasional coal fragments. [GLACIAL TILL]
		1.90 1.90 2.00	HV D SPT(C)	130 (kPa) N=37 (6,6/8,9,9,11)	62.50	1.30		Stiff, laminated and fissured brown mottled light grey, friable SILTY CLAY with mudstone and sandstone lithorelicts and coal fragments. [GLACIAL TILL]
		2.90 3.00	HV SPT(C)	130 (kPa) N=50 (7,8/11,13,13,13)		(2.15)		
					60.35	3.45		*End of Borehole at 3.45m*

Remarks
1. Exploratory hole location scanned with CATand GENNY prior to breaking ground.
2. No groundwater encountered.
3. Borehole terminated at 3.45m begl- SPT refusal.
4. Borehole backfilled with arisings upon completion.

Method, Plant, Stability, Dimensions
0.00 - 3.45m

Logger
AG

Checked By: CRS **Approved By:** CRS **Status:** FINAL

SPT N60 = N(raw) * (Hammer Energy Ratio / 60) to nearest whole number

Created using Pebble Geo

Appendix C
Chemical Analysis Results

AJP Midlands Ltd
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Analytical Report Number : 25-063554

Project / Site name:	Elsa Road, Manchester	**Samples received on:**	20/11/2025
Your job number:	M225-362	**Samples instructed on/ Analysis started on:**	25/11/2025
Your order number:	M25301	**Analysis completed by:**	03/12/2025
Report Issue Number:	1	**Report issued on:**	03/12/2025
Samples Analysed:	10 soil samples - 2 leachate samples		

Signed:

Dominika Liana
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760183	760184	760185	760186	760187
Sample Reference				TP01	TP02	TP04	TP06	TP07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.05	0.30	0.20	0.20	0.80
Date Sampled				18/11/2025	18/11/2025	18/11/2025	18/11/2025	18/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	31	28	21	26	26
Total mass of sample received	kg	0.1	NONE	0.7	0.8	0.8	0.8	1.2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	PKU	PKU	PKU	PKU	PKU
Analysis completed	N/A	N/A	N/A	01/12/2025	01/12/2025	01/12/2025	01/12/2025	01/12/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	< 0.001

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Loose Fibres

General Inorganics

pH (L005B)	pH Units	N/A	MCERTS	-	-	7.2	-	-
pH (L099)	pH Units	N/A	MCERTS	5.5	5.4	6.1	5.6	7.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	8	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	1600	880	1200	1000	1100
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	570	25	57	36	450
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	283	12.5	28.4	18	224
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	4.5	4.6	4.2	4.8	2
Loss on Ignition @ 450°C	%	0.2	MCERTS	-	-	11	-	-
Acid Neutralisation Capacity	+/- mmol/kg	-9999	NONE	-	-	0.28	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760183	760184	760185	760186	760187
Sample Reference				TP01	TP02	TP04	TP06	TP07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.05	0.30	0.20	0.20	0.80
Date Sampled				18/11/2025	18/11/2025	18/11/2025	18/11/2025	18/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.46	0.09	5.8
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.2	< 0.05	0.78
Acenaphthene	mg/kg	0.05	MCERTS	0.12	0.06	2.2	0.73	2.5
Fluorene	mg/kg	0.05	MCERTS	0.08	< 0.05	1.5	0.37	3
Phenanthrene	mg/kg	0.05	MCERTS	0.67	0.53	14	4.5	14
Anthracene	mg/kg	0.05	MCERTS	0.13	0.16	3.4	1	3.2
Fluoranthene	mg/kg	0.05	MCERTS	1.1	1.3	16	8.9	13
Pyrene	mg/kg	0.05	MCERTS	1.1	1.3	15	8.5	12
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.52	0.69	6.7	4	5.3
Chrysene	mg/kg	0.05	MCERTS	0.66	0.74	7.3	4.2	5.5
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.66	0.76	7.6	4.2	5.6
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.31	0.31	3.2	2.3	2.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.53	0.62	6.7	4	4.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.26	0.35	3.2	2	2.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.09	0.75	0.59	0.54
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.21	0.2	3.8	2.3	2.9
Coronene	mg/kg	0.05	NONE	-	-	0.78	-	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.35	7.12	92.5	47.7	84.2
Total WAC-17 PAHs	mg/kg	0.85	NONE	-	-	93.3	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	28	17	38	24	19
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.2	1.3	0.4	1.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g	U/S *U/S g	U/S *U/S g	U/S *U/S g	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	< 1.80	2.06	< 1.80	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	19	83	20	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	66	39	180	63	55
Lead (aqua regia extractable)	mg/kg	1	MCERTS	140	120	490	240	120
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.5	< 0.3	0.7	0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	22	15	36	20	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.6	< 1.0	1.5	1.2	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	69	59	360	130	630
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

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

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760183	760184	760185	760186	760187
Sample Reference				TP01	TP02	TP04	TP06	TP07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.05	0.30	0.20	0.20	0.80
Date Sampled				18/11/2025	18/11/2025	18/11/2025	18/11/2025	18/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	4.8
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	< 2.0	< 2.0	3.7	2.6	16
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	< 10	29	28	41
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	< 10	18	66	71	38
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	< 10	18	99	100	99
Mineral Oil (EC10 - EC40) EH_CU_1D_AL	mg/kg	10	NONE	-	-	< 10	-	-

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total BTEX	µg/kg	10	MCERTS	-	-	< 10	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	0.001	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	0.003	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	0.002	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	0.002	-	-
Total PCBs	mg/kg	0.007	MCERTS	-	-	0.008	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760188	760189	760190	760191	760192
Sample Reference				TP08	TP11	TP12	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.60	0.30	0.50	0.40
Date Sampled				18/11/2025	18/11/2025	18/11/2025	19/11/2025	19/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	21	21	24	19	19
Total mass of sample received	kg	0.1	NONE	0.9	1	0.8	1.1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	PKU	PKU	-	PKU	PKU
Analysis completed	N/A	N/A	N/A	01/12/2025	01/12/2025	-	01/12/2025	01/12/2025
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	Detected
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	Not-detected
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	< 0.001
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	Loose Fibres

General Inorganics

pH (L005B)	pH Units	N/A	MCERTS	-	-	7.2	-	-
pH (L099)	pH Units	N/A	MCERTS	6.9	6.6	-	7.3	7.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	690	220	-	410	1100
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	160	54	-	240	430
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	81	27	-	118	215
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.8	0.8	3.7	1.5	2.4
Loss on Ignition @ 450°C	%	0.2	MCERTS	-	-	7	-	-
Acid Neutralisation Capacity	+/- mmol/kg	-9999	NONE	-	-	0.73	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760188	760189	760190	760191	760192
Sample Reference				TP08	TP11	TP12	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.60	0.30	0.50	0.40
Date Sampled				18/11/2025	18/11/2025	18/11/2025	19/11/2025	19/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.13	< 0.05	0.3	< 0.05	0.09
Acenaphthylene	mg/kg	0.05	MCERTS	0.13	< 0.05	0.17	< 0.05	0.1
Acenaphthene	mg/kg	0.05	MCERTS	0.74	< 0.05	0.81	< 0.05	0.13
Fluorene	mg/kg	0.05	MCERTS	0.53	< 0.05	0.51	< 0.05	0.11
Phenanthrene	mg/kg	0.05	MCERTS	6.1	< 0.05	5.3	< 0.05	1.5
Anthracene	mg/kg	0.05	MCERTS	1.6	< 0.05	0.99	< 0.05	0.35
Fluoranthene	mg/kg	0.05	MCERTS	12	< 0.05	7.3	< 0.05	4
Pyrene	mg/kg	0.05	MCERTS	11	< 0.05	6.4	< 0.05	3.8
Benzo(a)anthracene	mg/kg	0.05	MCERTS	5.4	< 0.05	3.1	< 0.05	1.9
Chrysene	mg/kg	0.05	MCERTS	5.9	< 0.05	3.2	< 0.05	2
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	6.2	< 0.05	4.2	< 0.05	2.5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.1	< 0.05	1.4	< 0.05	0.97
Benzo(a)pyrene	mg/kg	0.05	MCERTS	5.6	< 0.05	3.1	< 0.05	2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.4	< 0.05	1.6	< 0.05	0.91
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.52	< 0.05	0.26	< 0.05	0.17
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.4	< 0.05	1.7	< 0.05	1.1
Coronene	mg/kg	0.05	NONE	-	-	< 0.05	-	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	63.1	< 0.80	-	< 0.80	21.5
Total WAC-17 PAHs	mg/kg	0.85	NONE	-	-	40.3	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	25	11	-	12	34
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.1	< 0.2	-	< 0.2	0.9
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g	< 1.8	-	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	31	-	24	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	93	16	-	31	100
Lead (aqua regia extractable)	mg/kg	1	MCERTS	220	16	-	47	220
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.5	< 0.3	-	< 0.3	0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	22	-	24	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.7	< 1.0	-	< 1.0	1.4
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	200	43	-	55	520
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	36	< 8.0	-	< 8.0	56
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	36	< 10	-	< 10	56

Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester
Your Order No: M25301

Lab Sample Number				760188	760189	760190	760191	760192
Sample Reference				TP08	TP11	TP12	WS05	WS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.30	0.60	0.30	0.50	0.40
Date Sampled				18/11/2025	18/11/2025	18/11/2025	19/11/2025	19/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
TPHCWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	7.7	< 2.0	-	< 2.0	5.8
TPHCWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	41	< 10	-	< 10	19
TPHCWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	57	< 10	-	< 10	100
TPHCWG - Aromatic >EC5 - EC35 EH_CU+HS_1D_AR	mg/kg	10	NONE	110	< 10	-	< 10	130
Mineral Oil (EC10 - EC40) EH_CU_1D_AL	mg/kg	10	NONE	-	-	12	-	-

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total BTEX	µg/kg	10	MCERTS	-	-	< 10	-	-

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	< 0.001	-	-
Total PCBs	mg/kg	0.007	MCERTS	-	-	< 0.007	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number:	**25-063554**
Project / Site name:	**Elsa Road, Manchester**
Your Order No:	**M25301**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
760187	TP07	0.80-	258	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	01/12/2025	PKU
760192	WS06	0.40-	278	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**	01/12/2025	PKU

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

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Analytical Report Number: 25-063554
Project / Site name: Elsa Road, Manchester

Your Order No: M25301

Lab Sample Number				760185	760190
Sample Reference				TP04	TP12
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.20	0.30
Date Sampled				18/11/2025	18/11/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status		

10:1 WAC Leachate

Arsenic	mg/l	0.001	ISO 17025	0.00162	< 0.00100
Barium	mg/l	0.00005	ISO 17025	0.0149	0.0102
Cadmium	mg/l	0.0001	ISO 17025	< 0.000100	< 0.000100
Chromium	mg/l	0.0004	ISO 17025	0.0017	0.00092
Copper	mg/l	0.0007	ISO 17025	0.029	0.0019
Mercury	mg/l	0.0005	ISO 17025	< 0.000500	< 0.000500
Molybdenum	mg/l	0.0004	ISO 17025	0.0016	0.0163
Nickel	mg/l	0.0003	ISO 17025	0.0019	0.0014
Lead	mg/l	0.001	ISO 17025	0.0033	0.0016
Antimony	mg/l	0.0017	ISO 17025	< 0.0017	< 0.0017
Selenium	mg/l	0.004	ISO 17025	< 0.0040	< 0.0040
Zinc	mg/l	0.0004	ISO 17025	0.025	0.012
Chloride	mg/l	0.15	ISO 17025	1	0.84
Fluoride	mg/l	0.05	ISO 17025	0.21	0.61
Sulphate	mg/l	0.045	ISO 17025	2.6	5.6
Total dissolved solids	mg/l	6	ISO 17025	17	33
Total monohydric phenols	mg/l	0.01	ISO 17025	< 0.010	< 0.010
Dissolved organic carbon	mg/l	0.1	NONE	7.02	10.2

10:1 WAC Leachate

Arsenic	mg/kg	0.01	NONE	0.0162	< 0.0100
Barium	mg/kg	0.0005	NONE	0.149	0.102
Cadmium	mg/kg	0.001	NONE	< 0.00100	< 0.00100
Chromium	mg/kg	0.004	NONE	0.017	0.0092
Copper	mg/kg	0.007	NONE	0.29	0.019
Mercury	mg/kg	0.005	NONE	< 0.00500	< 0.00500
Molybdenum	mg/kg	0.004	NONE	0.016	0.163
Nickel	mg/kg	0.003	NONE	0.019	0.014
Lead	mg/kg	0.01	NONE	0.033	0.016
Antimony	mg/kg	0.017	NONE	< 0.017	< 0.017
Selenium	mg/kg	0.04	NONE	< 0.040	< 0.040
Zinc	mg/kg	0.004	NONE	0.25	0.12
Chloride	mg/kg	1.5	NONE	10	8.4
Fluoride	mg/kg	0.5	NONE	2.1	6.1
Sulphate	mg/kg	0.45	NONE	26	56
Total dissolved solids	mg/kg	60	NONE	170	330
Total monohydric phenols	mg/kg	0.1	NONE	< 0.10	< 0.10
Dissolved organic carbon	mg/kg	1	NONE	70.2	102

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Waste Acceptance Criteria Analytical Results								
Report No:	**25-063554**							
					Client:	**AJP Midlands Ltd**		
Location	**Elsa Road, Manchester**							
Lab Reference (Sample Number)	760185				**Landfill Waste Acceptance Criteria Limits**			
Sampling Date	18/11/2025				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill	
Sample ID	TP04							
Depth (m)	0.20							
Solid Waste Analysis								
TOC (%)**	4.2				3%	5%	6%	
Loss on Ignition (%) **	11				--	--	10%	
BTEX (µg/kg) **	< 10				6000	--	--	
Sum of PCBs (mg/kg) **	0.008				1	--	--	
Mineral Oil (mg/kg) EH_1D_CU_AL	< 10				500	--	--	
Total PAH (WAC-17) (mg/kg)	93.3				100	--	--	
pH (units)**	7.2				--	>6	--	
Acid Neutralisation Capacity (mmol / kg)	0.28				--	To be evaluated	To be evaluated	
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test			
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)			
Arsenic *	0.00162			0.0162	0.5	2	25	
Barium *	0.0149			0.149	20	100	300	
Cadmium *	< 0.000100			< 0.00100	0.04	1	5	
Chromium *	0.0017			0.017	0.5	10	70	
Copper *	0.029			0.29	2	50	100	
Mercury *	< 0.000500			< 0.00500	0.01	0.2	2	
Molybdenum *	0.0016			0.016	0.5	10	30	
Nickel *	0.0019			0.019	0.4	10	40	
Lead *	0.0033			0.033	0.5	10	50	
Antimony *	< 0.0017			< 0.017	0.06	0.7	5	
Selenium *	< 0.0040			< 0.040	0.1	0.5	7	
Zinc *	0.025			0.25	4	50	200	
Chloride *	1			10	800	15000	25000	
Fluoride*	0.21			2.1	10	150	500	
Sulphate *	2.6			26	1000	20000	50000	
TDS*	17			170	4000	60000	100000	
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-	
DOC	7.02			70.2	500	800	1000	
Leach Test Information								
Stone Content (%)	< 0.1							
Sample Mass (kg)	0.8							
Dry Matter (%)	79							
Moisture (%)	21							
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					*= UKAS accredited (liquid eluate analysis only)			
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited			

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

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Waste Acceptance Criteria Analytical Results

Report No:	25-063554						
					Client:	AJP Midlands Ltd	
Location	Elsa Road, Manchester						
Lab Reference (Sample Number)	760190				Landfill Waste Acceptance Criteria Limits		
Sampling Date	18/11/2025				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	TP12						
Depth (m)	0.30						
Solid Waste Analysis							
TOC (%)**	3.7				3%	5%	6%
Loss on Ignition (%) **	7				--	--	10%
BTEX (µg/kg) **	< 10				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH_1D_CU_AL	12				500	--	--
Total PAH (WAC-17) (mg/kg)	40.3				100	--	--
pH (units)**	7.2				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	0.73				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg			
Arsenic *	< 0.00100			< 0.0100	0.5	2	25
Barium *	0.0102			0.102	20	100	300
Cadmium *	< 0.000100			< 0.00100	0.04	1	5
Chromium *	0.00092			0.0092	0.5	10	70
Copper *	0.0019			0.019	2	50	100
Mercury *	< 0.000500			< 0.00500	0.01	0.2	2
Molybdenum *	0.0163			0.163	0.5	10	30
Nickel *	0.0014			0.014	0.4	10	40
Lead *	0.0016			0.016	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.012			0.12	4	50	200
Chloride *	0.84			8.4	800	15000	25000
Fluoride*	0.61			6.1	10	150	500
Sulphate *	5.6			56	1000	20000	50000
TDS*	33			330	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	10.2			102	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.8						
Dry Matter (%)	76						
Moisture (%)	24						

Results are expressed on a dry weight basis, after correction for moisture content where applicable. *= UKAS accredited (liquid eluate analysis only)

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

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

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Analytical Report Number : 25-063554
Project / Site name: Elsa Road, Manchester

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
760183	TP01	None Supplied	0.05	Brown loam and clay with gravel and vegetation
760184	TP02	None Supplied	0.3	Brown loam and clay with gravel and vegetation
760185	TP04	None Supplied	0.2	Black loam and clay with gravel and vegetation
760186	TP06	None Supplied	0.2	Brown loam and clay with gravel and vegetation
760187	TP07	None Supplied	0.8	Black clay and sand with stones
760188	TP08	None Supplied	0.3	Brown clay and sand with gravel and vegetation
760189	TP11	None Supplied	0.6	Brown clay
760190	TP12	None Supplied	0.3	Brown clay and loam with gravel and vegetation
760191	WS05	None Supplied	0.5	Brown sandy clay
760192	WS06	None Supplied	0.4	Brown clay and loam with brick and vegetation

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Analytical Report Number : 25-063554
Project / Site name: Elsa Road, Manchester

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS

Analytical Report Number : 25-063554
Project / Site name: Elsa Road, Manchester

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
pH at 20°C in soil	Determination of pH in soil by addition of water followed by electrometric measurement	In-house method	L005B	W	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with hexane followed by GC-MS	In-house method based on USEPA 8082	L027B	D	MCERTS
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination	L033B	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved organic carbon in leachate by TOC/DOC NDIR Analyser	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
One stage WAC 10:1 leachate preparation	One stage batch test at a liquid to solid ratio of 10 L/kg	BS EN 12457-2-2002	L043B	W	ISO 17025
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance	L046B	W	NONE
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	NONE
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025

Analytical Report Number : 25-063554
Project / Site name: Elsa Road, Manchester

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

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Sample Deviation Report

Analytical Report Number : 25-063554
Project / Site name: Elsa Road, Manchester

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP04	N/A	L	760185	b	One stage WAC 10:1 leachate preparation	L043B	b
TP12	N/A	L	760190	b	One stage WAC 10:1 leachate preparation	L043B	b

Appendix D
Geotechnical Test Results

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

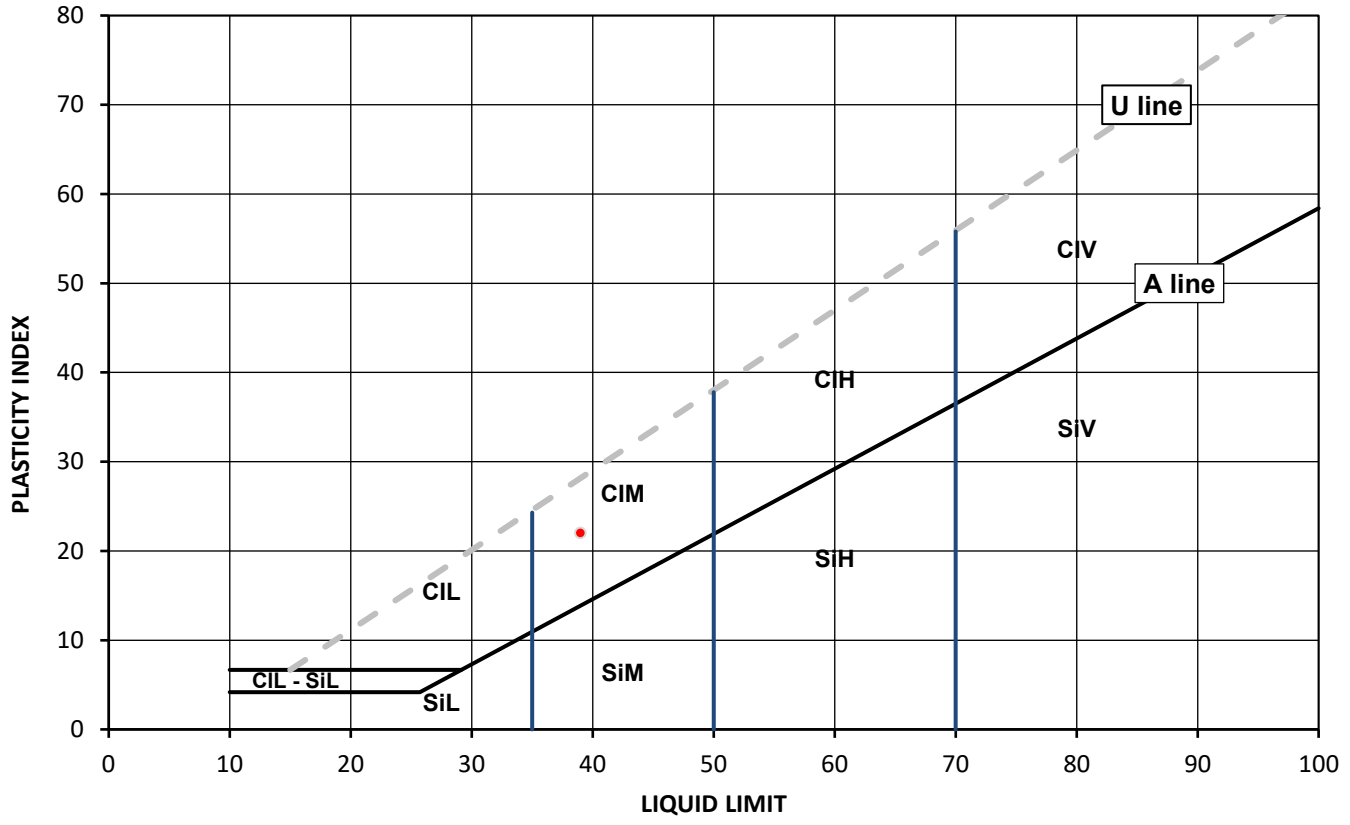
Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	19/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	03/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	762718	Depth Top [m]:	1.90
Hole No.:	WS01	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was decreased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
16.0	39	17	22	-0.05	1.05	92



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

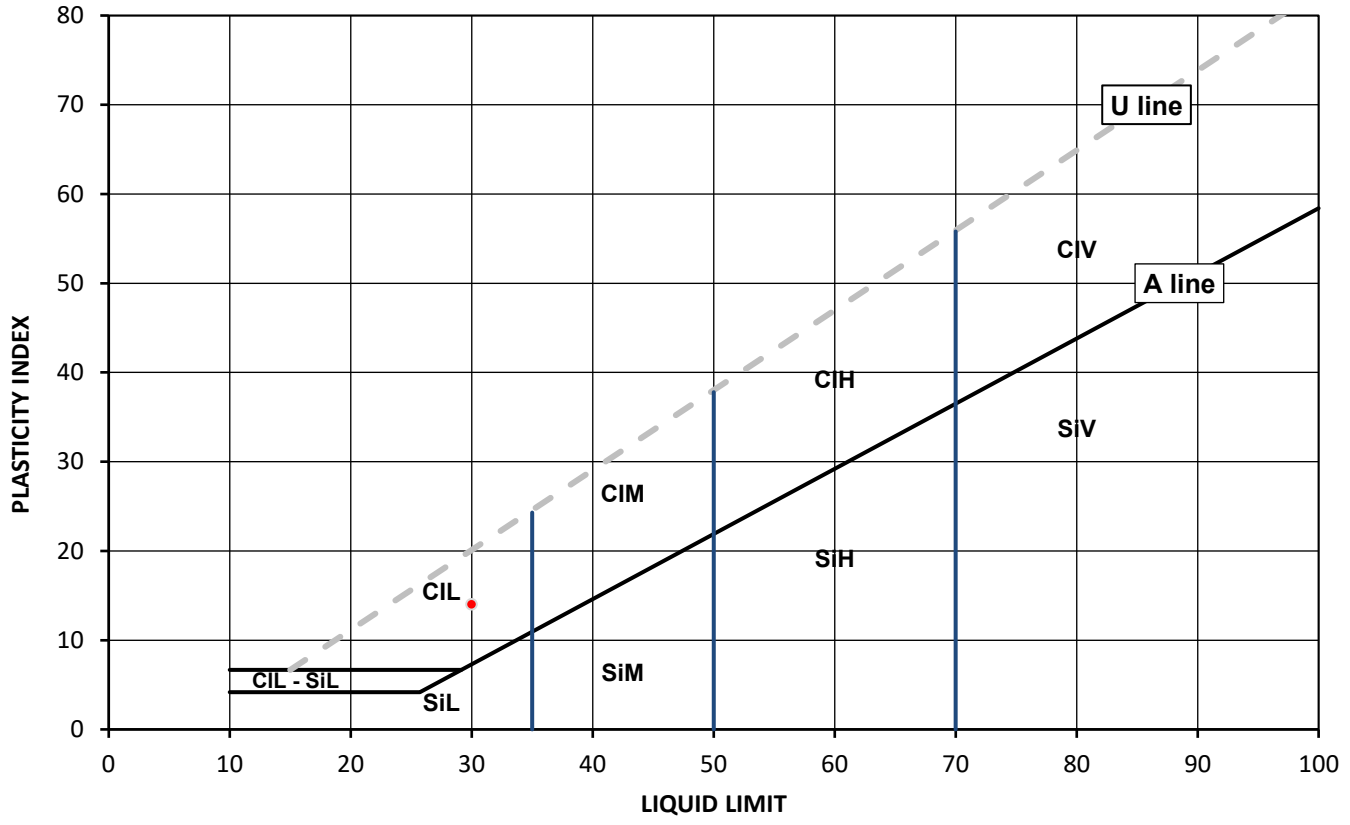
Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	19/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	03/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	762719	Depth Top [m]:	1.60
Hole No.:	WS02	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
12.9	30	16	14	-0.21	1.21	85



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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 Date Reported: 18/12/2025 **GF 337.16**

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

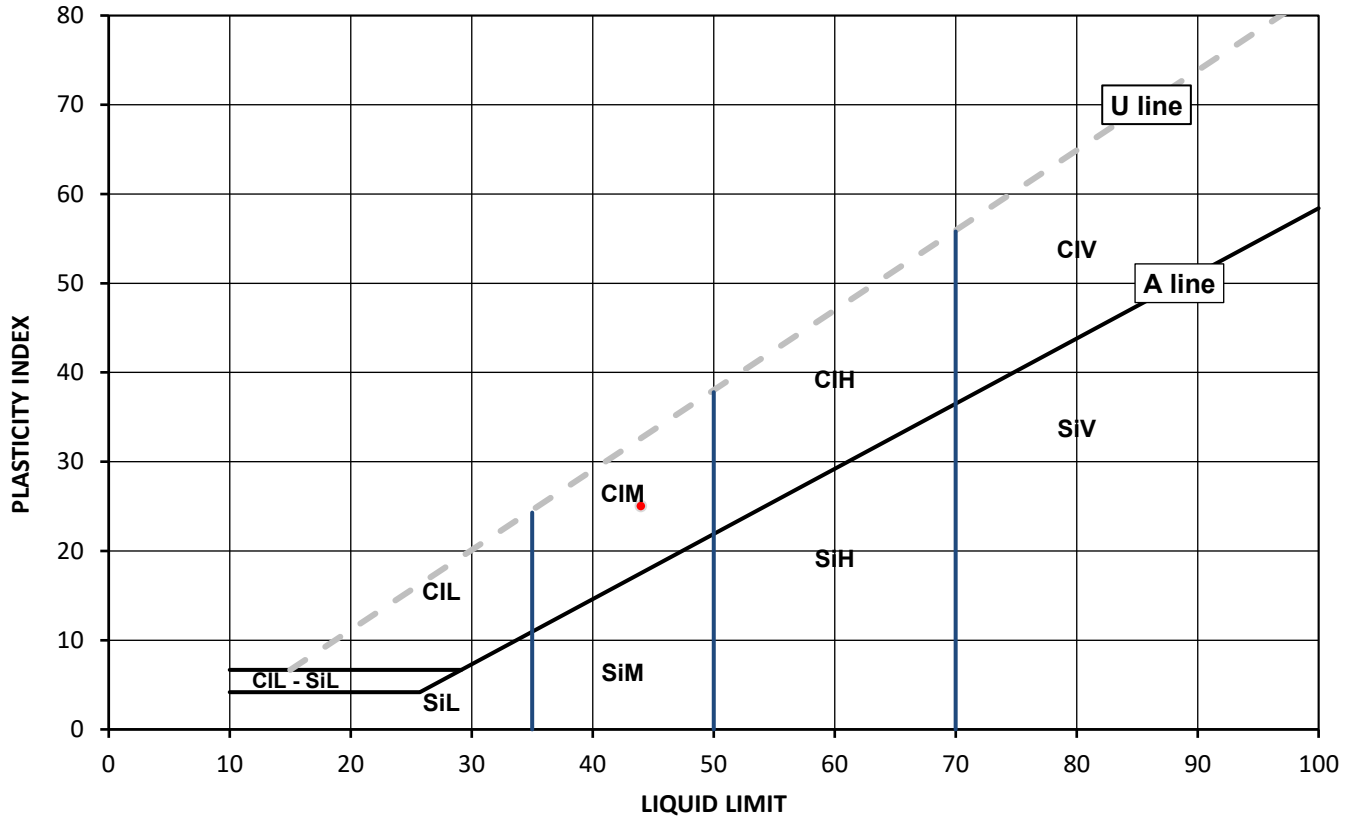
Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	19/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	03/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	762720	Depth Top [m]:	0.90
Hole No.:	WS03	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
20.0	44	19	25	0.04	0.96	81



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

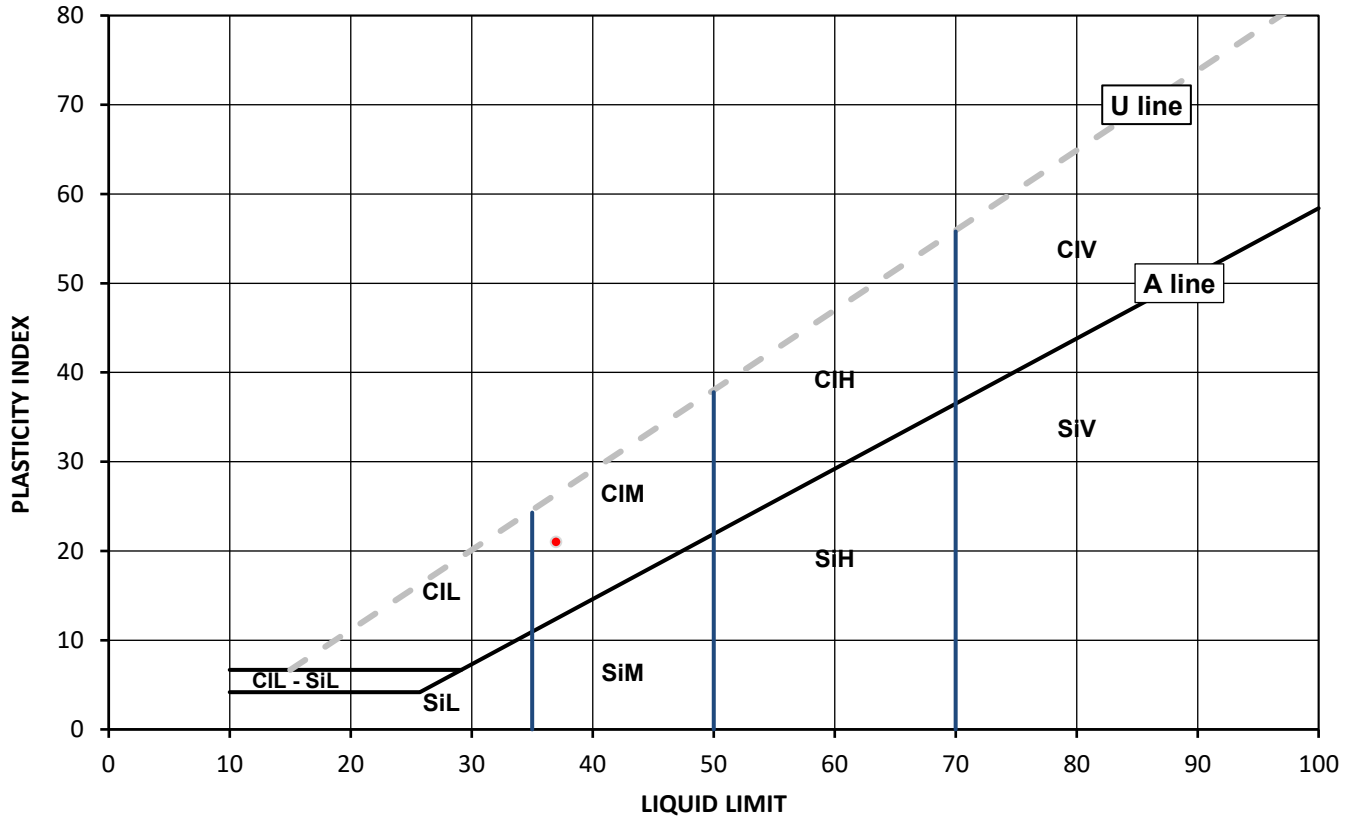
Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	19/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	03/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	762721	Depth Top [m]:	1.60
Hole No.:	WS06	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brownish grey slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
16.3	37	16	21	0.00	1.00	92



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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 Date Reported: 18/12/2025 **GF 337.16**

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022,cl 5.2 and 6

4041

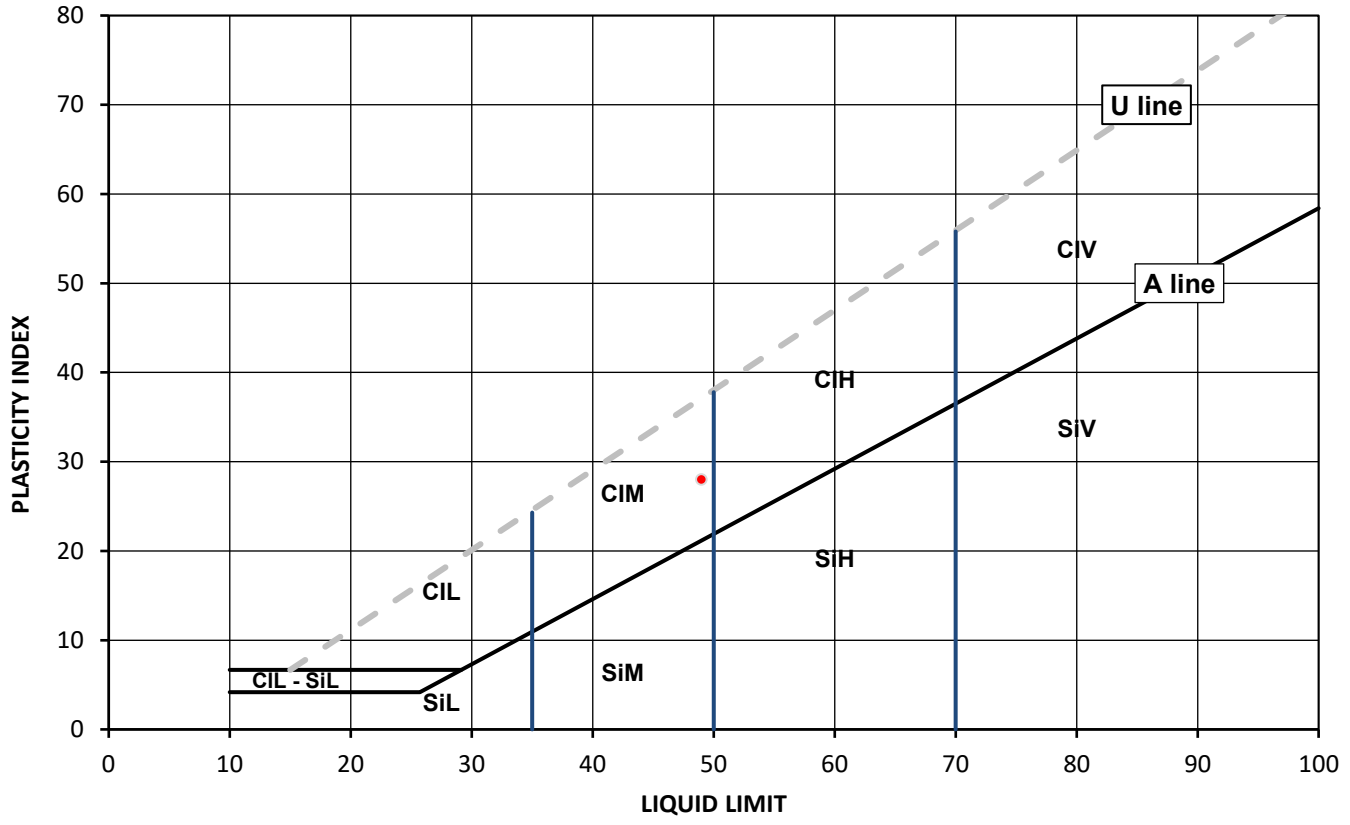
Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	18/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	08/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	762722	Depth Top [m]:	0.50
Hole No.:	TP03	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly slightly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
27.1	49	21	28	0.21	0.79	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022.

4041

Client: AJP Midlands Ltd

Client Address: 4th Floor, 1 Dale Street, Liverpool, L2 2ET

Contact: Abdourahamane Guisse

Site Address: Elsa Road, Manchester

Client Reference: M225-362
Job Number: 25-064073-1
Date Sampled: 18/11 - 19/11/2025
Date Received: 27/11/2025
Date Tested: 03/12 - 08/12/2025
Sampled By: Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
762718	WS01	Not Given	1.90	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	16.0	92	39	-	17	22	80g/30 deg	R / D			
762719	WS02	Not Given	1.60	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	12.9	85	30	-	16	14	80g/30 deg	WR / I			
762720	WS03	Not Given	0.90	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	20.0	81	44	-	19	25	80g/30 deg	R / I			
762721	WS06	Not Given	1.60	Not Given	D	Brownish grey slightly gravelly sandy CLAY	Atterberg 4 Point	16.3	92	37	-	16	21	80g/30 deg	R / I			
762722	TP03	Not Given	0.50	0.70	B	Yellowish brown slightly gravelly slightly sandy CLAY	Atterberg 4 Point	27.1	98	49	-	21	28	80g/30 deg	R / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 18/12/2025 **GF 362.17**

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

4041

Client: AJP Midlands Ltd

Client Address: 4th Floor, 1 Dale Street, Liverpool, L2 2ET

Contact: Abdourahamane Guisse

Site Address: Elsa Road, Manchester

Client Reference: M225-362
Job Number: 25-064073-1
Date Sampled: 18/11 - 19/11/2025
Date Received: 27/11/2025
Date Tested: 03/12 - 08/12/2025
Sampled By: Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
762718	WS01	Not Given	1.90	Not Given	D	Brown slightly gravelly sandy CLAY		16.0											
762719	WS02	Not Given	1.60	Not Given	D	Brown slightly gravelly very sandy CLAY		12.9											
762720	WS03	Not Given	0.90	Not Given	D	Brown slightly gravelly sandy CLAY		20.0											
762721	WS06	Not Given	1.60	Not Given	D	Brownish grey slightly gravelly sandy CLAY		16.3											
762722	TP03	Not Given	0.50	0.70	B	Yellowish brown slightly gravelly slightly sandy CLAY		27.1											

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 18/12/2025

GF 126.20

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

4041

Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	18/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	16/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

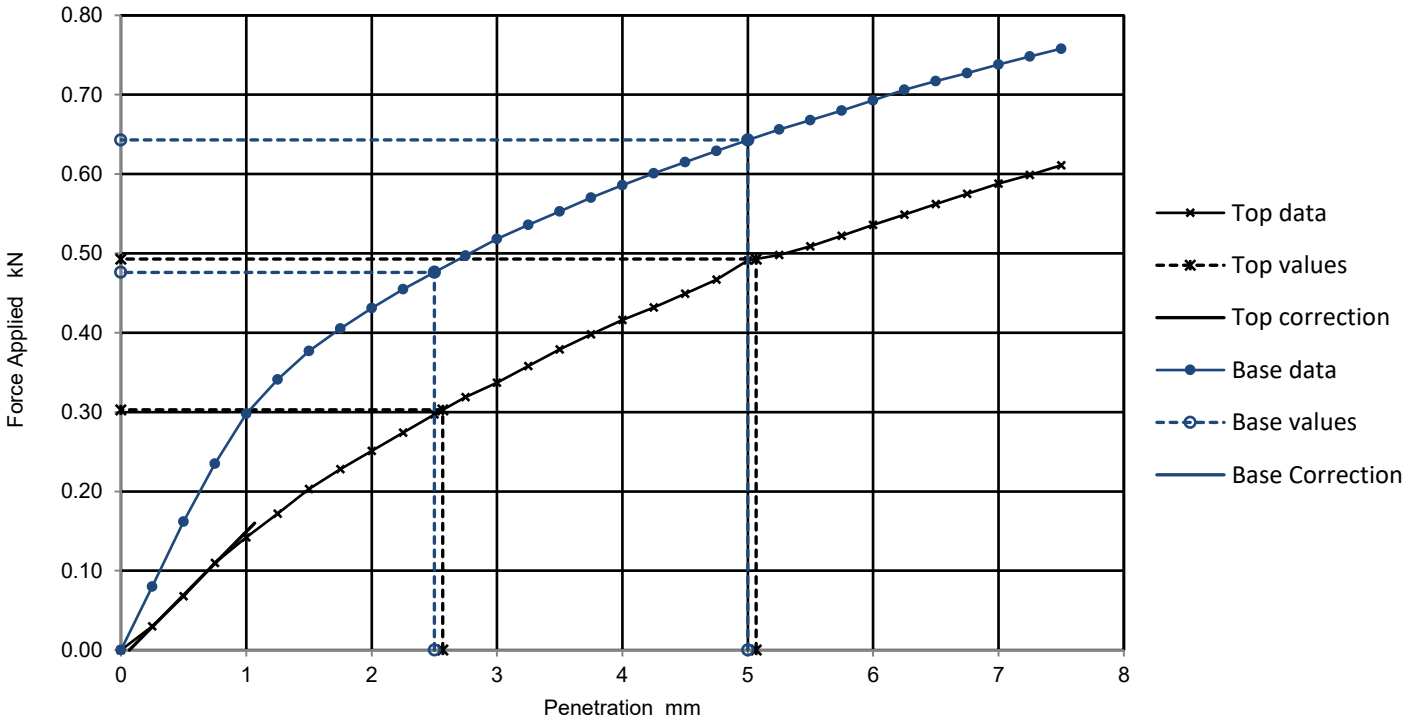
Laboratory Reference:	762722	Depth Top [m]:	0.50
Hole No.:	TP03	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly slightly sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.99	Mg/m3	Surcharge applied	8 kg
	Dry density	1.60	Mg/m3		4.9 kPa
	Water content	24.6	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	2.3	2.5	2.5		24.9
BASE	No	3.6	3.2	3.6		24.7

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 18/12/2025

GF 593.3

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

4041

Client:	AJP Midlands Ltd	Client Reference:	M225-362
Client Address:	4th Floor, 1 Dale Street, Liverpool, L2 2ET	Job Number:	25-064073-1
		Date Sampled:	18/11/2025
		Date Received:	27/11/2025
Contact:	Abdourahamane Guisse	Date Tested:	16/12/2025
Site Address:	Elsa Road, Manchester	Sampled By:	Client - AG

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

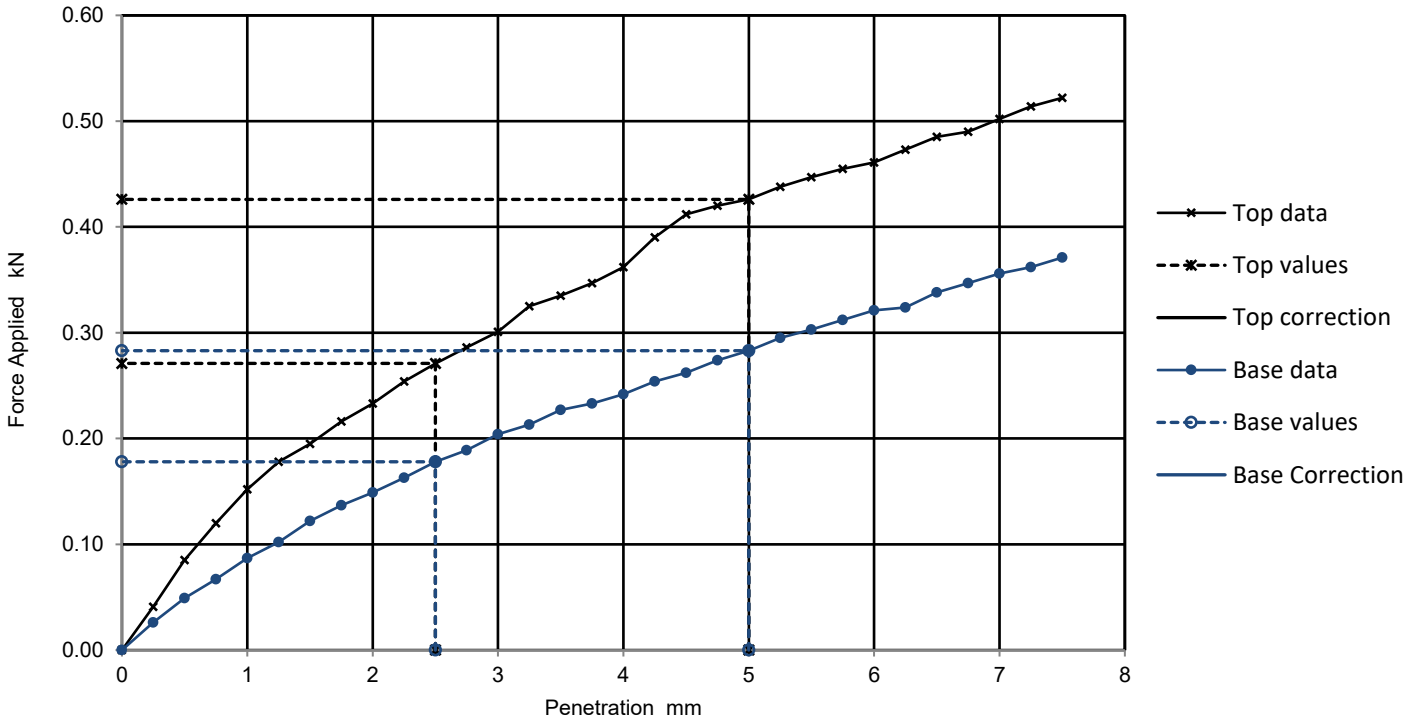
Laboratory Reference:	762723	Depth Top [m]:	0.50
Hole No.:	TP09	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	6 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.94	Mg/m3	Surcharge applied	8 kg
	Dry density	1.52	Mg/m3		4.9 kPa
	Water content	27.7	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Water Content %
TOP	No	2.1	2.1	2.1		27.7
BASE	No	1.3	1.4	1.4		27.6

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 18/12/2025

GF 593.3

AJP Midlands Ltd
4th Floor
1 Dale Street
Liverpool
L2 2ET

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geotesting@ajpltd.co.uk

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-064074

Project / Site name:	Elsa Road, Manchester	**Samples received on:**	27/11/2025
Your job number:	M225-362	**Samples instructed on/ Analysis started on:**	27/11/2025
Your order number:	M25302	**Analysis completed by:**	08/12/2025
Report Issue Number:	1	**Report issued on:**	08/12/2025
Samples Analysed:	3 soil samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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

Analytical Report Number: 25-064074
Project / Site name: Elsa Road, Manchester
Your Order No: M25302

Lab Sample Number				762724	762725	762726
Sample Reference				WS02	WS05	WS07
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				1.60	2.50	0.80
Date Sampled				19/11/2025	19/11/2025	19/11/2025
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	11	14
Total mass of sample received	kg	0.1	NONE	0.2	0.6	0.7

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.1	8.3	6.7
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	36	57	96
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	18.2	28.6	47.8

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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

Analytical Report Number : 25-064074
Project / Site name: Elsa Road, Manchester

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
762724	WS02	None Supplied	1.6	Brown clay and sand with gravel
762725	WS05	None Supplied	2.5	Brown clay and sand with gravel
762726	WS07	None Supplied	0.8	Brown clay and sand with vegetation

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

Analytical Report Number : 25-064074
Project / Site name: Elsa Road, Manchester

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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

Appendix E
Gas and Groundwater Monitoring Results

Ground Gas and Groundwater Monitoring Record Sheet

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 02/12/2025
Job No: M225-362
Visit No: 1 **of** 6
Operator: AM
Project Manager: AT/AG

alan johnston partnership

Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	0.00	0.00			0.10	0.10	0.00	0.00	0.00	0.00	21.60	21.60	0.00	n/a	0.10	0.10			DRY	1.22	-	-		
WS05	0.00	0.00			0.10	0.10	0.00	0.00	0.00	0.00	21.60	21.60	0.00	n/a	0.10	0.10			DRY	2.98	-	-		
WS06	0.00	0.00			0.10	0.10	0.00	0.00	0.00	0.00	21.60	21.60	0.00	n/a	0.10	0.10			DRY	2.96	-	-		
Max	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**21.6**	**21.6**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**2.98**				
Min	**0**	**0**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**21.6**	**21.6**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**1.22**				
GSV (l/hr)	**0**				**0.0001**																			

METEOROLOGICAL AND SITE INFORMATION:

(Select correct box with X or enter data, as applicable)

State of ground:	X	Dry		Moist		Wet		Snow		Frozen
Wind:	X	Calm		Light		Moderate		Strong		
Cloud cover:	X	None		Slight		Cloudy		Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			992	Before			992	After		
Pressure trend:				Falling		Steady		Rising		
Air Temperature (Deg. C):				Before				After		

Ground Gas and Groundwater Monitoring Record

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 16/01/2026
Job No: M225-362
Visit No: 2 **of** 6
Operator: ER/AG
Project Manager: AT/AG

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Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	<0.1	<0.1			1.00	1.00	0.00	0.00	0.00	0.00	>	>	-	-	<0.1	<0.1	-	-	0.55	1.05	-	-		Silted at base
WS05	<0.1	<0.1			1.20	1.20	0.00	0.00	0.00	0.00	>	>	-	-	<0.1	<0.1	-	-	0.49	2.88	-	-		
WS06	<0.1	<0.1			<0.1	<0.1	0.00	0.00	0.00	0.00	>	>	-	-	<0.1	<0.1	-	-	0.92	2.94	-	-		
Max	**0**	**0**	**0**	**0**	**1.2**	**1.2**	**0**	**0**	**0**	**0**	**0.0**	**0.0**			**0.1**	**0.1**			**0.92**	**2.94**				
Min	**0**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0.0**	**0.0**			**0.1**	**0.1**			**0.49**	**1.05**				
GSV (l/hr)	**0**				**0.0012**																			

METEOROLOGICAL AND SITE INFORMATION: (Select correct box with X or enter data, as applicable)

State of ground:		Dry		Moist	X	Wet		Snow		Frozen
Wind:	X	Calm		Light		Moderate		Strong		
Cloud cover:	X	None		Slight		Cloudy		Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			994	Before			994	After		
Pressure trend:				Falling	X	Steady		Rising		
Air Temperature (Deg. C):			4	Before			4	After		

Ground Gas and Groundwater Monitoring Record

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 29/01/2026
Job No: M225-362
Visit No: 3 **of** 6
Operator: ER
Project Manager: AT/AG

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Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	0.10	0.10			1.10	0.80	0.00	0.00			20.20	20.20	-		0.20	0.20			0.35	0.72	-	-		Silted at base
WS05	0.20	0.20			2.50	2.50	0.00	0.00			19.20	14.80			0.30	0.30			0.28	2.87	-	-		
WS06	0.30	0.10			3.60	0.60	0.00	0.00			21.10	21.10			0.40	0.40	-		0.62	2.92	-	-		
Max	**0.3**	**0.2**	**0**	**0**	**3.6**	**2.5**	**0**	**0**	**0**	**0**	**21.1**	**21.1**			**0.4**	**0.4**			**0.62**	**2.92**				
Min	**0.1**	**0.1**	**0**	**0**	**1.1**	**0.6**	**0**	**0**	**0**	**0**	**19.2**	**14.8**			**0.2**	**0.2**			**0.28**	**0.72**				
GSV (l/hr)	**0.0012**				**0.01**																			

METEOROLOGICAL AND SITE INFORMATION: (Select correct box with X or enter data, as applicable)

State of ground:		Dry		Moist	X	Wet		Snow		Frozen
Wind:		Calm	X	Light		Moderate		Strong		
Cloud cover:		None		Slight		Cloudy	X	Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			985	Before			984	After		
Pressure trend:			X	Falling		Steady		Rising		
Air Temperature (Deg. C):			4	Before			4	After		

Ground Gas and Groundwater Monitoring Record

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 04/02/2026
Job No: M225-362
Visit No: 4 **of** 6
Operator: ER
Project Manager: AT/AG

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Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	0.10	0.10			0.40	0.20	0.00	0.00	0.00	0.00	20.90	20.90	-	-	0.90	0.90	-	-	0.37	0.76	-	-		Silted at base
WS05	0.10	0.10			2.10	2.10	0.00	0.00	0.00	0.00	18.20	15.40	-	-	2.90	2.90	-	-	0.32	2.87	-	-		
WS06	0.20	0.20			4.20	0.90	0.00	0.00	0.00	0.00	20.50	20.50	-	-	0.50	0.50	-	-	0.35	2.92	-	-		
Max	**0.2**	**0.2**	**0**	**0**	**4.2**	**2.1**	**0**	**0**	**0**	**0**	**20.9**	**20.9**			**2.9**	**2.9**			**0.37**	**2.92**				
Min	**0.1**	**0.1**	**0**	**0**	**0.4**	**0.2**	**0**	**0**	**0**	**0**	**18.2**	**15.4**			**0.5**	**0.5**			**0.32**	**0.76**				
GSV (l/hr)	**0.0058**				**0.0609**																			

METEOROLOGICAL AND SITE INFORMATION:

(Select correct box with X or enter data, as applicable)

State of ground:		Dry		Moist	X	Wet		Snow		Frozen
Wind:		Calm	X	Light		Moderate		Strong		
Cloud cover:		None	X	Slight		Cloudy		Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			982	Before			982	After		
Pressure trend:				Falling	X	Steady		Rising		
Air Temperature (Deg. C):			4	Before			4	After		

Ground Gas and Groundwater Monitoring Record

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 19/02/2026
Job No: M225-362
Visit No: 5 **of** 6
Operator: ER
Project Manager: AT/AG

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Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	0.10	0.10			0.80	0.70	0.00	0.00	0.00	0.00	19.90	19.90	-	-	0.70	0.70	-	-	0.20	0.63	-	-		Silted at base
WS05	0.10	0.10			2.60	2.50	0.00	0.00	0.00	0.00	14.60	14.60	-	-	1.30	1.30	-	-	0.14	2.88	-	-		
WS06	0.10	0.10			0.10	0.10	0.00	0.00	0.00	0.00	21.00	21.00	-	-	0.60	0.60	-	-	0.67	2.92	-	-		
Max	**0.1**	**0.1**	**0**	**0**	**2.6**	**2.5**	**0**	**0**	**0**	**0**	**21.0**	**21.0**			**1.3**	**1.3**			**0.67**	**2.92**				
Min	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0**	**0**	**0**	**0**	**14.6**	**14.6**			**0.6**	**0.6**			**0.14**	**0.63**				
GSV (l/hr)	**0.0013**				**0.0325**																			

METEOROLOGICAL AND SITE INFORMATION: (Select correct box with X or enter data, as applicable)

State of ground:		Dry		Moist	X	Wet		Snow		Frozen
Wind:		Calm	X	Light		Moderate		Strong		
Cloud cover:		None		Slight		Cloudy	X	Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			1004	Before			1004	After		
Pressure trend:				Falling		Steady	X	Rising		
Air Temperature (Deg. C):			5	Before			5	After		

Ground Gas and Groundwater Monitoring Record

JOB DETAILS:

Client: Seddon
Site: Elsa Road, Levenshulme, Manchester
Date: 05/03/2026
Job No: M225-362
Visit No: 6 **of** 6
Operator: ER
Project Manager: AT/AG

alan johnston partnership

Monitoring Point	GAS CONCENTRATIONS												VOCs		GAS FLOWS				WELL AND GROUNDWATER DATA					Comments
	Methane (%v/v)		%LEL		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time for flow to equalise (secs)	Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady								
WS02	0.10	0.10			1.20	0.90	0.00	0.00	0.00	0.00	17.60	17.60	-	-	0.10	0.10	-	-	0.22	0.60	-	-		Silted at base
WS05	0.10	0.10			1.10	1.10	0.00	0.00	0.00	0.00	19.40	19.40	-	-	1.10	1.10	-	-	0.13	2.88	-	-		
WS06	<0.1	<0.1			0.10	<0.1	0.00	0.00	0.00	0.00	20.00	20.00	-	-	1.30	1.30	-	-	0.62	2.92	-	-		
Max	**0.1**	**0.1**	**0**	**0**	**1.2**	**1.1**	**0**	**0**	**0**	**0**	**20.0**	**20.0**			**1.3**	**1.3**			**0.62**	**2.92**				
Min	**0.1**	**0.1**	**0**	**0**	**0.1**	**0.9**	**0**	**0**	**0**	**0**	**17.6**	**17.6**			**0.1**	**0.1**			**0.13**	**0.60**				
GSV (l/hr)	**0.0013**				**0.0143**																			

METEOROLOGICAL AND SITE INFORMATION: (Select correct box with X or enter data, as applicable)

State of ground:		Dry	X	Moist		Wet		Snow		Frozen
Wind:		Calm	X	Light		Moderate		Strong		
Cloud cover:		None		Slight	X	Cloudy		Overcast		
Preciptation:	X	None		Slight		Moderate		Heavy		
Barometric pressure (mbar):			1022	Before			1022	After		
Pressure trend:				Falling	X	Steady		Rising		
Air Temperature (Deg. C):			15	Before			16	After		

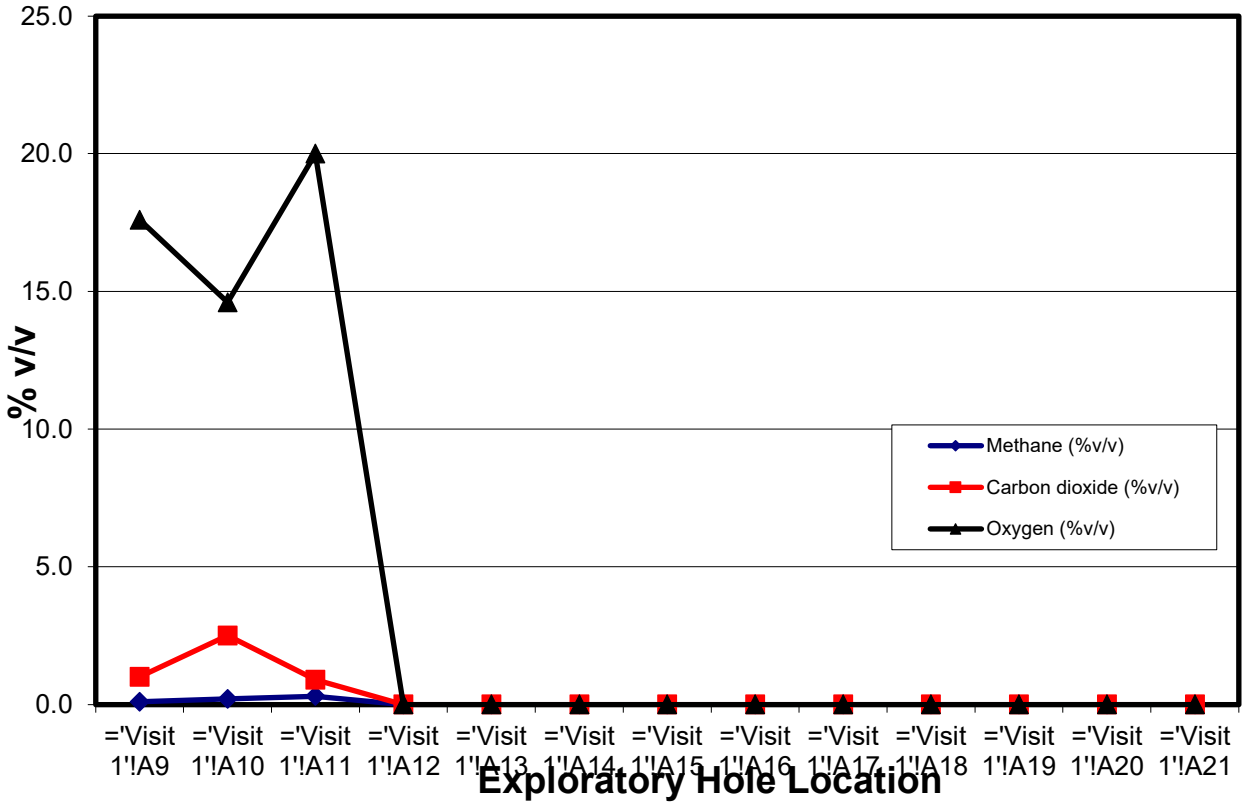
Summary of Ground Gas and Groundwater Monitoring

JOB DETAILS:
Client: Seddon **Job No:** #####
Site: Elsa Road, Levenshulme, Manchester

Project Manager: AT/AG

Monitoring Point	GAS CONCENTRATIONS										VOLATILES		FLOW DATA			WELL AND WATER DATA					Comments
	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)		Hydrogen sulphide (ppm)		Oxygen (%v/v)		PID Peak (ppm)	Product thickness (mm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Average Water level (mbgl)	Depth of well (m)	Reduced level (mAOD)	Water level (mAOD)	Response Zone	
	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Min.	Steady			Peak	Steady							
='Visit 1'!A9	0.10	0.10	1.20	1.00	0	0	0	0	17.60	17.60	-	-	0.9	0.9	-	0.34	0.60	-	-	-	
='Visit 1'!A10	0.20	0.20	2.60	2.50	0	0	0	0	14.60	14.60	-	-	2.9	2.9	-	0.27	2.87	-	-	-	
='Visit 1'!A11	0.30	0.20	4.20	0.90	0	0	0	0	20.00	20.00	-	-	1.3	1.3	-	0.64	2.92	-	-	-	
='Visit 1'!A12																					
='Visit 1'!A13																					
='Visit 1'!A14																					
='Visit 1'!A15																					
='Visit 1'!A16																					
='Visit 1'!A17																					
='Visit 1'!A18																					
='Visit 1'!A19																					
='Visit 1'!A20																					
='Visit 1'!A21																					
Max	**0.30**	**0.20**	**4.20**	**2.50**	**0**	**0**	**0**	**0**	**20.00**	**20.00**			**2.9**	**2.9**		**0.64**	**2.92**				
Min	**0.00**	**0.00**	**0.00**	**0.00**	**0**	**0**	**0**	**0**	**0.00**	**0.00**			**0.0**	**0.0**		**0.27**	**0.00**				
GSV (l/hr)	**0.0087**		**0.0725**																		

Summary of Ground Gas Concentrations



Appendix F
Hazwaste Online Assessment

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

47YBO-042YQ-2XTAT

Report is invalid if pages are removed.

Job name

Elsa Road, Levenshulme, Manchester

Description/Comments

Project

M225-362 Elsa Road, Levenshulme, Manchester

Site

Else Road, Levenshulme

Classified by

Name:
Jenny Mullen
Date:
19 Dec 2025 16:31 GMT
Telephone:
07792488586

Company:
Alan Johnston Partnership
1 Dale St,
Liverpool
L2 2ET

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	06 Apr 2023
Most recent 3 year Refresher	03 Feb 2026 *

Next 3 year Refresher due by Apr 2026
* training course booked

Purpose of classification

7 - Disposal of Waste

Address of the waste

Elsa Road, Levenshulme, Manchester **Post Code** M19 3JG

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Redevelopment of site for residential use

Description of the specific process, sub-process and/or activity that created the waste

Waste created during excavations for foundations and services

Description of the waste

Topsoil, Made Ground and natural clay

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP01	0.05	Non Hazardous		3
2	TP02	0.30	Non Hazardous		5
3	TP04	0.20	Non Hazardous		7
4	TP06	0.20	Non Hazardous		9
5	TP07	0.80	Non Hazardous		11
6	TP08	0.30	Non Hazardous		13
7	TP11	0.60	Non Hazardous		15
8	WS05	0.50	Non Hazardous		17
9	WS06	0.40	Non Hazardous		19

Related documents

#	Name	Description
1	AJP Standard Suite With TPH	waste stream template used to create this Job

Report

Created by: Jenny Mullen

Created date: 19 Dec 2025 16:31 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	21
Appendix B: Rationale for selection of metal species	22
Appendix C: Version	22

Classification of sample: TP01

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP01
Sample Depth:
0.05 m
Moisture content:
31%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 31% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				28 mg/kg	1.895	53.047 mg/kg	0.0053 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.556 mg/kg	0.0000556 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22 mg/kg	1.462	32.154 mg/kg	0.00322 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		66 mg/kg	3.929	259.317 mg/kg	0.0259 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	140 mg/kg	1.56	218.374 mg/kg	0.014 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		22 mg/kg	5.324	117.135 mg/kg	0.0117 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.6 mg/kg	2.554	4.086 mg/kg	0.000409 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69 mg/kg	2.469	170.381 mg/kg	0.017 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		0.07 mg/kg		0.07 mg/kg	0.000007 %		
12	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13	acenaphthene		201-469-6	83-32-9		0.12 mg/kg		0.12 mg/kg	0.000012 %		
14	fluorene		201-695-5	86-73-7		0.08 mg/kg		0.08 mg/kg	0.000008 %		
15	phenanthrene		201-581-5	85-01-8		0.67 mg/kg		0.67 mg/kg	0.000067 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				0.13	mg/kg		0.13	mg/kg	0.000013 %		
			204-371-1	120-12-7									
17		fluoranthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-912-4	206-44-0									
18		pyrene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				0.52	mg/kg		0.52	mg/kg	0.000052 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				0.66	mg/kg		0.66	mg/kg	0.000066 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				20	mg/kg		20	mg/kg	0.002 %		
				TPH									
										Total:	0.0804 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.002%)

Classification of sample: TP02

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP02
Sample Depth:
0.30 m
Moisture content:
28%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 28% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				17 mg/kg	1.895	32.207 mg/kg	0.00322 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.371 mg/kg	0.0000371 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		39 mg/kg	3.929	153.233 mg/kg	0.0153 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	120 mg/kg	1.56	187.178 mg/kg	0.012 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		15 mg/kg	5.324	79.865 mg/kg	0.00799 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		59 mg/kg	2.469	145.688 mg/kg	0.0146 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
12	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13	acenaphthene		201-469-6	83-32-9		0.06 mg/kg		0.06 mg/kg	0.000006 %		
14	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
15	phenanthrene		201-581-5	85-01-8		0.53 mg/kg		0.53 mg/kg	0.000053 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			204-371-1	120-12-7									
17		fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-912-4	206-44-0									
18		pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				0.69	mg/kg		0.69	mg/kg	0.000069 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				0.74	mg/kg		0.74	mg/kg	0.000074 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				0.76	mg/kg		0.76	mg/kg	0.000076 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				0.62	mg/kg		0.62	mg/kg	0.000062 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.09	mg/kg		0.09	mg/kg	0.000009 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				28	mg/kg		28	mg/kg	0.0028 %		
				TPH									
										Total:	0.0597 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0028%)

Classification of sample: TP04

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP04
Sample Depth:
0.20 m
Moisture content:
21%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				38 mg/kg	1.895	71.992 mg/kg	0.0072 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.3 mg/kg	1.855	2.411 mg/kg	0.000241 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		83 mg/kg	1.462	121.309 mg/kg	0.0121 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				2.06 mg/kg	2.27	4.676 mg/kg	0.000468 %		
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		180 mg/kg	3.929	707.23 mg/kg	0.0707 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	490 mg/kg	1.56	764.309 mg/kg	0.049 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		36 mg/kg	5.324	191.675 mg/kg	0.0192 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.5 mg/kg	2.554	3.831 mg/kg	0.000383 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		360 mg/kg	2.469	888.947 mg/kg	0.0889 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		0.46 mg/kg		0.46 mg/kg	0.000046 %		
12	acenaphthylene		205-917-1	208-96-8		0.2 mg/kg		0.2 mg/kg	0.00002 %		
13	acenaphthene		201-469-6	83-32-9		2.2 mg/kg		2.2 mg/kg	0.00022 %		
14	fluorene		201-695-5	86-73-7		1.5 mg/kg		1.5 mg/kg	0.00015 %		
15	phenanthrene		201-581-5	85-01-8		14 mg/kg		14 mg/kg	0.0014 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
			204-371-1	120-12-7									
17		fluoranthene				16	mg/kg		16	mg/kg	0.0016 %		
			205-912-4	206-44-0									
18		pyrene				15	mg/kg		15	mg/kg	0.0015 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				6.7	mg/kg		6.7	mg/kg	0.00067 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				7.3	mg/kg		7.3	mg/kg	0.00073 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				7.6	mg/kg		7.6	mg/kg	0.00076 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				6.7	mg/kg		6.7	mg/kg	0.00067 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.75	mg/kg		0.75	mg/kg	0.000075 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				109	mg/kg		109	mg/kg	0.0109 %		
				TPH									
										Total:	0.268 %		

Key

	User supplied data
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0109%)

Classification of sample: TP06

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP06
Sample Depth:
0.20 m
Moisture content:
26%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 26% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				24 mg/kg	1.895	45.469 mg/kg	0.00455 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.742 mg/kg	0.0000742 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		63 mg/kg	3.929	247.53 mg/kg	0.0248 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	240 mg/kg	1.56	374.356 mg/kg	0.024 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		20 mg/kg	5.324	106.486 mg/kg	0.0106 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.2 mg/kg	2.554	3.065 mg/kg	0.000306 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130 mg/kg	2.469	321.009 mg/kg	0.0321 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		0.09 mg/kg		0.09 mg/kg	0.000009 %		
12	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13	acenaphthene		201-469-6	83-32-9		0.73 mg/kg		0.73 mg/kg	0.000073 %		
14	fluorene		201-695-5	86-73-7		0.37 mg/kg		0.37 mg/kg	0.000037 %		
15	phenanthrene		201-581-5	85-01-8		4.5 mg/kg		4.5 mg/kg	0.00045 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				1	mg/kg		1	mg/kg	0.0001 %		
			204-371-1	120-12-7									
17		fluoranthene				8.9	mg/kg		8.9	mg/kg	0.00089 %		
			205-912-4	206-44-0									
18		pyrene				8.5	mg/kg		8.5	mg/kg	0.00085 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				4	mg/kg		4	mg/kg	0.0004 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				4	mg/kg		4	mg/kg	0.0004 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				2	mg/kg		2	mg/kg	0.0002 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.59	mg/kg		0.59	mg/kg	0.000059 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				110	mg/kg		110	mg/kg	0.011 %		
				TPH									
										Total:	0.115 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.011%)

Classification of sample: TP07

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP07
Sample Depth:
0.80 m
Moisture content:
26%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 26% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				19 mg/kg	1.895	35.996 mg/kg	0.0036 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.5 mg/kg	1.855	2.782 mg/kg	0.000278 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		55 mg/kg	3.929	216.098 mg/kg	0.0216 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	120 mg/kg	1.56	187.178 mg/kg	0.012 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		29 mg/kg	5.324	154.405 mg/kg	0.0154 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		630 mg/kg	2.469	1555.657 mg/kg	0.156 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		5.8 mg/kg		5.8 mg/kg	0.00058 %		
12	acenaphthylene		205-917-1	208-96-8		0.78 mg/kg		0.78 mg/kg	0.000078 %		
13	acenaphthene		201-469-6	83-32-9		2.5 mg/kg		2.5 mg/kg	0.00025 %		
14	fluorene		201-695-5	86-73-7		3 mg/kg		3 mg/kg	0.0003 %		
15	phenanthrene		201-581-5	85-01-8		14 mg/kg		14 mg/kg	0.0014 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			204-371-1	120-12-7									
17		fluoranthene				13	mg/kg		13	mg/kg	0.0013 %		
			205-912-4	206-44-0									
18		pyrene				12	mg/kg		12	mg/kg	0.0012 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				5.3	mg/kg		5.3	mg/kg	0.00053 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				5.5	mg/kg		5.5	mg/kg	0.00055 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				4.9	mg/kg		4.9	mg/kg	0.00049 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.54	mg/kg		0.54	mg/kg	0.000054 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				109	mg/kg		109	mg/kg	0.0109 %		
				TPH									
										Total:	0.231 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0109%)

Classification of sample: TP08

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP08
Sample Depth:
0.30 m
Moisture content:
21%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				25 mg/kg	1.895	47.363 mg/kg	0.00474 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.1 mg/kg	1.855	2.04 mg/kg	0.000204 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		**<LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		93 mg/kg	3.929	365.402 mg/kg	0.0365 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	220 mg/kg	1.56	343.159 mg/kg	0.022 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		25 mg/kg	5.324	133.108 mg/kg	0.0133 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.7 mg/kg	2.554	4.342 mg/kg	0.000434 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		200 mg/kg	2.469	493.859 mg/kg	0.0494 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		0.13 mg/kg		0.13 mg/kg	0.000013 %		
12	acenaphthylene		205-917-1	208-96-8		0.13 mg/kg		0.13 mg/kg	0.000013 %		
13	acenaphthene		201-469-6	83-32-9		0.74 mg/kg		0.74 mg/kg	0.000074 %		
14	fluorene		201-695-5	86-73-7		0.53 mg/kg		0.53 mg/kg	0.000053 %		
15	phenanthrene		201-581-5	85-01-8		6.1 mg/kg		6.1 mg/kg	0.00061 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			204-371-1	120-12-7									
17		fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
			205-912-4	206-44-0									
18		pyrene				11	mg/kg		11	mg/kg	0.0011 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				5.4	mg/kg		5.4	mg/kg	0.00054 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				5.9	mg/kg		5.9	mg/kg	0.00059 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				6.2	mg/kg		6.2	mg/kg	0.00062 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.52	mg/kg		0.52	mg/kg	0.000052 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				146	mg/kg		146	mg/kg	0.0146 %		
				TPH									
										Total:	0.152 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0146%)

Classification of sample: TP11

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP11
Sample Depth:
0.60 m
Moisture content:
21%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				11 mg/kg	1.895	20.84 mg/kg	0.00208 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.371 mg/kg	0.0000371 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		16 mg/kg	3.929	62.865 mg/kg	0.00629 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16 mg/kg	1.56	24.957 mg/kg	0.0016 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		22 mg/kg	5.324	117.135 mg/kg	0.0117 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		43 mg/kg	2.469	106.18 mg/kg	0.0106 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
12	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
14	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
15	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
17		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
18		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
19		benz[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				20	mg/kg		20	mg/kg	0.002 %		
				TPH									
										Total:	0.0392 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.002%)

Classification of sample: WS05

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS05
Sample Depth:
0.50 m
Moisture content:
19%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				12 mg/kg	1.895	22.734 mg/kg	0.00227 %		
2	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.371 mg/kg	0.0000371 %		
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<**LOD**
5	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		31 mg/kg	3.929	121.801 mg/kg	0.0122 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	47 mg/kg	1.56	73.311 mg/kg	0.0047 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
8	nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		24 mg/kg	5.324	127.783 mg/kg	0.0128 %		
9	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
10	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		55 mg/kg	2.469	135.811 mg/kg	0.0136 %		
11	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
12	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
13	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
14	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
15	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
17		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
18		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
19		benz[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				20	mg/kg		20	mg/kg	0.002 %		
				TPH									
										Total:	0.0514 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.002%)

Classification of sample: WS06

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
WS06
Sample Depth:
0.40 m
Moisture content:
19%
(no correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% No Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				34	mg/kg	1.895	64.414	mg/kg	0.00644 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.9	mg/kg	1.855	1.669	mg/kg	0.000167 %		
3		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28	mg/kg	1.462	40.924	mg/kg	0.00409 %		
4		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		100	mg/kg	3.929	392.905	mg/kg	0.0393 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	220	mg/kg	1.56	343.159	mg/kg	0.022 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		29	mg/kg	5.324	154.405	mg/kg	0.0154 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4	mg/kg	2.554	3.575	mg/kg	0.000358 %		
10		zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		520	mg/kg	2.469	1284.034	mg/kg	0.128 %		
11		naphthalene	601-052-00-2	202-049-5	91-20-3		0.09	mg/kg		0.09	mg/kg	0.000009 %		
12		acenaphthylene		205-917-1	208-96-8		0.1	mg/kg		0.1	mg/kg	0.00001 %		
13		acenaphthene		201-469-6	83-32-9		0.13	mg/kg		0.13	mg/kg	0.000013 %		
14		fluorene		201-695-5	86-73-7		0.11	mg/kg		0.11	mg/kg	0.000011 %		
15		phenanthrene		201-581-5	85-01-8		1.5	mg/kg		1.5	mg/kg	0.00015 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		anthracene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			204-371-1	120-12-7									
17		fluoranthene				4	mg/kg		4	mg/kg	0.0004 %		
			205-912-4	206-44-0									
18		pyrene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			204-927-3	129-00-0									
19		benz[a]anthracene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-033-00-9	200-280-6	56-55-3									
20		chrysene				2	mg/kg		2	mg/kg	0.0002 %		
		601-048-00-0	205-923-4	218-01-9									
21		benzo[b]fluoranthene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-034-00-4	205-911-9	205-99-2									
22		benzo[k]fluoranthene				0.97	mg/kg		0.97	mg/kg	0.000097 %		
		601-036-00-5	205-916-6	207-08-9									
23		benzo[a]pyrene; benzo[def]chrysene				2	mg/kg		2	mg/kg	0.0002 %		
		601-032-00-3	200-028-5	50-32-8									
24		indeno[123-cd]pyrene				0.91	mg/kg		0.91	mg/kg	0.000091 %		
			205-893-2	193-39-5									
25		dibenz[a,h]anthracene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
		601-041-00-2	200-181-8	53-70-3									
26		benzo[ghi]perylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-883-8	191-24-2									
27		TPH (C6 to C40) petroleum group				186	mg/kg		186	mg/kg	0.0186 %		
				TPH									
										Total:	0.237 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 187 mg/kg (0.019%) because: No evidence of free product on the site

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0186%)

Appendix A: Classifier defined and non GB MCL determinands

- **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

- **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

- **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case species (edit as required)

cadmium {cadmium sulfate}

Worst case species (edit as required)

chromium in Cr(III) compounds {chromium(III) oxide (worst case)}

Worst case species (edit as required)

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species (edit as required)

copper {copper sulphate pentahydrate}

Worst case species (edit as required)

lead {lead chromate}

Worst case species (edit as required)

mercury {mercury dichloride}

No evidence for use of mercury difulminate on site

nickel {nickel diiodide}

Worst case species (edit as required)

selenium {nickel selenate}

Worst case species (edit as required)

zinc {zinc sulphate}

Chromium concentration not high enough to make zinc chromate

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.345.6921.12504 (11 Dec 2025)
HazWasteOnline Database: 2025.345.6921.12504 (11 Dec 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025
GB MCL List v7.0 - version 7.0 of 23rd September 2025

Appendix G
AJP Generic Assessment Criteria

Generic Assessment Critera

		Residential with Homegrown Produce			Residential without Homegrown Produce			Allotments			Commercial			Public Open Space Near Residential Housing			Public Open Space Park		
	SOM %	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6
Metals and Inorganics (non SOM dependent)	Arsenic		37			40			43			640			79			170	
	Beryllium		1.7			1.7			35			12			2.2			63	
	Boron		290			11000			45			240000			21000			46000	
	Cadmium		11			85			1.9			190			120			555	
	Chromium (III)		910			910			18000			8600			1500			33000	
	Chromium (VI) (Hexavalent)		6			6			1.8			33			7.7			220	
	Copper		2400			7100			520			68000			12000			44000	
	Elemental Mercury		1.2			1.2			21			58			16			30	
	Inorganic Mercury		40			56			19			1100			120			240	
	Methylmercury		11			15			6			320			40			68	
	Lead		200			310			80			2300			630			1300	
	Nickel		130			180			53			980			230			800	
	Selenium		250			430			88			12000			1100			1800	
	Vanadium		410			1200			91			9000			2000			5000	
	Zinc		3700			40000			620			730000			81000			170000	
Polyaromatic Hydrocarbons	Acenaphthene	210	510	1100	3000	4700	6000	34	85	200	84000	97000	100000	15000	15000	15000	29000	30000	30000
	Acenaphthylene	170	420	920	2900	4600	6000	28	69	160	83000	97000	100000	15000	15000	15000	29000	30000	30000
	Anthracene	2400	5400	11000	31000	35000	37000	380	950	2200	520000	540000	540000	74000	74000	74000	150000	150000	150000
	Benzo[a]anthracene	7.2	11	13	11	14	15	2.9	6.5	13	170	170	180	29	29	29	49	56	62
	Benzo[a]pyrene	2.2	2.7	3	3.2	3.2	3.2	0.97	2.0	3.5	35	35	36	5.7	5.7	5.7	11	12	13
	Benzo[b]fluoranthene	2.6	3.3	3.7	3.9	4.0	4.0	0.99	2.1	3.9	44	44	45	7.1	7.2	7.2	13	15	16
	Benzo[ghi]perylene	320	340	350	360	360	360	290	470	640	3900	4000	4000	640	640	640	1400	1500	1600
	Benzo[k]fluoranthene	77	93	100	110	110	110	37	75	130	1200	1200	1200	190	190	190	370	410	440
	Chrysene	15	22	27	30	31	32	4.1	9.4	19	350	350	350	57	57	57	93	110	120
	Dibenz[ah]anthracene	0.24	0.28	0.3	0.31	0.32	0.32	0.14	0.27	0.43	3.5	3.6	3.6	0.57	0.57	0.58	1.1	1.3	1.4
	Fluoranthene	280	560	890	1500	1600	1600	52	130	290	23000	23000	23000	3100	3100	3100	6300	6300	6400
	Fluorene	170	400	860	2800	3800	4500	27	67	160	63000	68000	71000	9900	9900	9900	20000	20000	20000
	Indeno[123-cd]pyrene	27	36	41	45	46	46	9.5	21	39	500	510	510	82	82	82	150	170	180
	Naphthalene	2.3	5.6	13	2.3	5.6	13	4.1	10	24	190	460	1100	4900	4900	4900	1200	1900	3000
	Phenanthrene	95	220	440	1300	1500	1500	15	38	90	22000	22000	23000	3100	3100	3100	6200	6200	6300
	Pyrene	620	1200	2000	3700	3800	3800	110	270	620	54000	54000	54000	7400	7400	7400	15000	15000	15000
	Coal Tar (B[a]P as surrogate marker)	0.79	0.98	1.1	1.2	1.2	1.2	0.32	0.67	1.2	15	15	15	2.2	2.2	2.2	4.4	4.7	4.8
Petroleum Hydrocarbons	Benzene	0.087	0.17	0.37	0.38	0.7	1.4	0.017	0.034	0.075	27	47	90	72	72	73	90	100	110
	Toluene	130	290	660	880	1900	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Ethylbenzene	47	110	260	83	190	440	16	39	91	5700	13000	27000	24000	24000	25000	17000	22000	27000
	m-Xylene	59	140	320	82	190	450	31	74	170	6200	14000	31000	41000	42000	43000	17000	24000	32000
	o-Xylene	60	140	330	88	210	480	28	67	160	6600	15000	33000	41000	42000	43000	17000	24000	33000
	p-Xylene	56	130	310	79	180	430	29	69	160	5900	14000	30000	41000	42000	43000	17000	23000	31000
	Aliphatic EC 5-6	42	78	160	42	78	160	730	1700	3900	3200	5900	12000	570000	590000	600000	95000	130000	180000
	Aliphatic EC >6-8	100	230	530	100	230	530	2300	5600	13000	7800	17000	40000	600000	610000	620000	150000	220000	320000
	Aliphatic EC >8-10	27	65	150	27	65	150	320	770	1700	2000	4800	11000	13000	13000	13000	14000	18000	21000
	Aliphatic EC >10-12	130	330	760	130	330	770	2200	4400	7300	9700	23000	47000	13000	13000	13000	21000	23000	24000
	Aliphatic EC >12-16	1100	2400	4300	1100	2400	4400	11000	13000	13000	59000	82000	90000	13000	13000	13000	25000	25000	26000
	Aliphatic EC >16-35	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aliphatic EC >35-44	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aromatic EC 5-7 (benzene)	70	140	300	370	690	1400	13	27	57	26000	46000	86000	56000	56000	56000	76000	84000	92000
	Aromatic EC >7-8 (toluene)	130	290	660	860	1800	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Aromatic EC >8-10	34	83	190	47	110	270	8.6	21	51	3500	8100	17000	5000	5000	5000	7200	8500	9300
	Aromatic EC >10-12	74	180	380	250	590	1200	13	31	74	16000	28000	34000	5000	5000	5000	9200	9700	10000
	Aromatic EC >12-16	140	330	660	1800	2300	2500	23	57	130	36000	37000	38000	5100	5100	5000	10000	10000	10000
	Aromatic EC >16-21	260	540	930	1900	1900	1900	46	110	260	28000	28000	28000	3800	3800	3800	7600	7700	7800
	Aromatic EC >21-35	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Aromatic EC >35-44	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Petroleum Hydrocarbons EC >44-70	1600	1800	1900	1900	1900	1900	1200	2100	3000	28000	28000	28000	3800	3800	3800	7800	7800	7900