

Our reference – JT-MRN/24307

Date – 06 December 2024

CCS Consulting Engineers
XYZ Building
2 Hardman Boulevard, Manchester
M3 3AQ

For the attention of Billy Fraine.

Dear Mr Fraine

Re: Wythenshawe Hospital Testing

Further to your instructions we attended site on 14th & 21st September 2024. The instructed scope of works was to undertake hand dug trial pits to gather material for a suite of Waste Acceptance Criteria testing, and presence of Asbestos. Trial pits were also excavated to determine the foundation profiles of existing structures.

Results are summarised below;

General Observations:

1. **Purpose:** The analysis determines whether the samples meet landfill acceptance standards (inert, non-hazardous, or hazardous waste).
2. **Analysis Notes:**
 - Results are reported as dry weight (<40°C).
 - Italicised results indicate potential quality control issues, suggesting possible unreliability.
 - The analysis reflects the sample's condition at the time of testing.

Key Findings by Sample:

Sample IDs: TP03, TP04, TP05, TP06

1. **Basic Properties:**
 - **pH Values:** Ranged from neutral to slightly alkaline (7.1 to 8.4).
 - **Total Organic Carbon (TOC):** Generally low across samples (<0.2% to 0.73%), aligning with inert landfill requirements.
2. **Leaching Test Results:**
 - **Heavy Metals** (e.g., Lead, Chromium, Cadmium): All below hazardous thresholds and within inert landfill limits.

- **Sulphates:** Significantly below acceptance thresholds (e.g., <50,000 mg/kg for inert waste).
- **Chlorides and Fluorides:** Within the permissible range for inert waste.
- **Phenols and PAHs:** Minimal concentrations detected, compliant with landfill acceptance criteria.

3. Other Observations:

- **Loss on Ignition:** Within limits for stability (generally <10%).
- **No Asbestos Detected.**

4. Hazard Classification:

- Results suggest compliance with inert landfill acceptance limits.
- Not suitable for hazardous waste classification; further testing may be needed for full hazard characterization.

Recommendations:

- Suitable for inert landfill disposal under WAC standards.
- Ensure results are cross-checked with project-specific criteria or local regulatory requirements.

Murray Rix report no. MRN 24307/1 and laboratory certificates are attached to this letter.

We trust the above to be satisfactory, if you have any further questions, please contact us.

Yours Faithfully
For Murray Rix



Jake Taylor B.Sc (Hons), FGS
Senior Ge-Environmental Engineer

TEST REPORT

Client CCS Consulting Engineers Ltd

Address XYZ Building
2 Hardman Blvd
Manchester
M3 3AQ

Contract Wythenshawe Hospital TLHC

Job Number MRN 24307/1
Date of Issue 23 September 2024
Pages 1 of 8

Approved Signatories

S J Hutchings, O P Davies, J Taylor

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

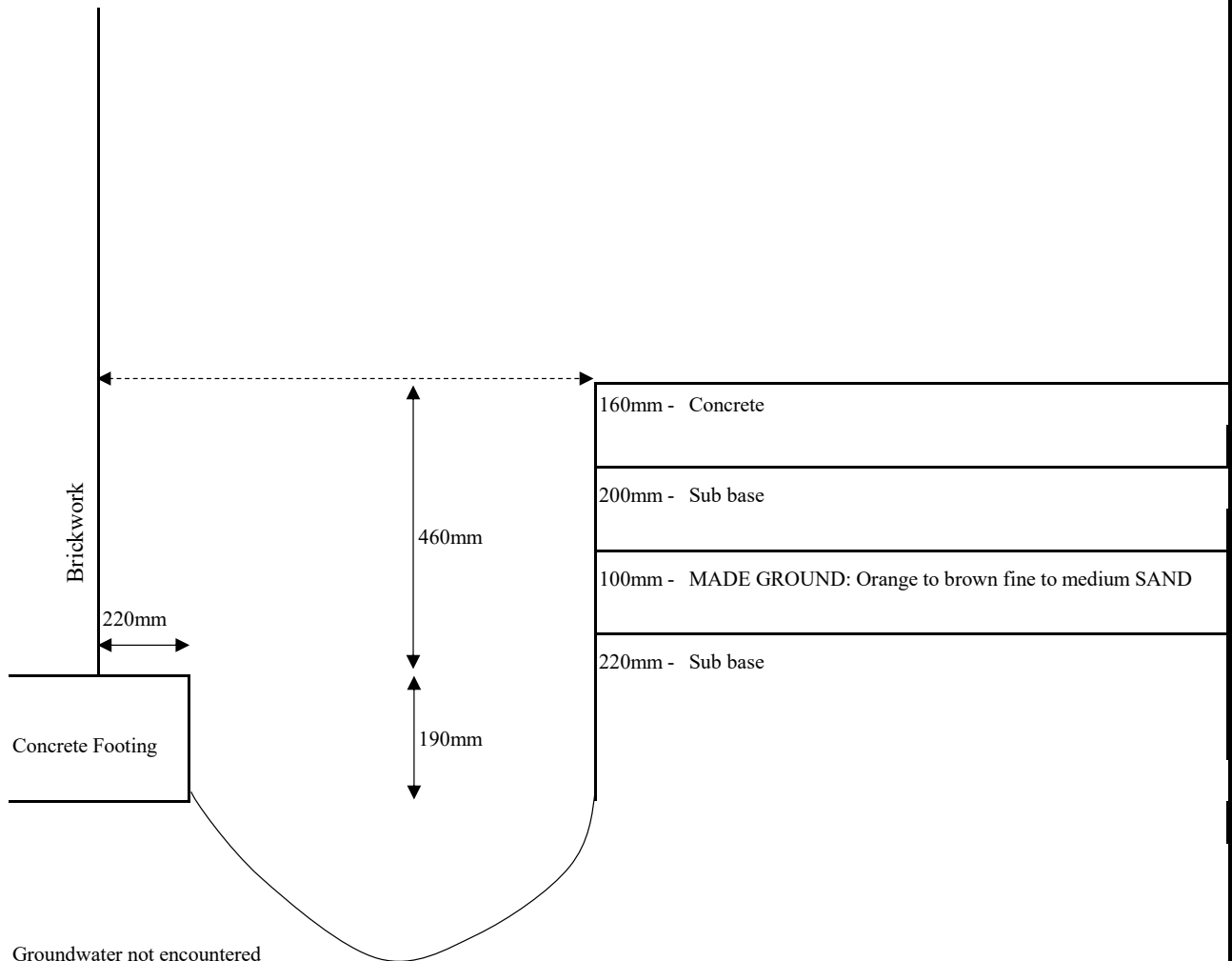
MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	21/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP01

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale



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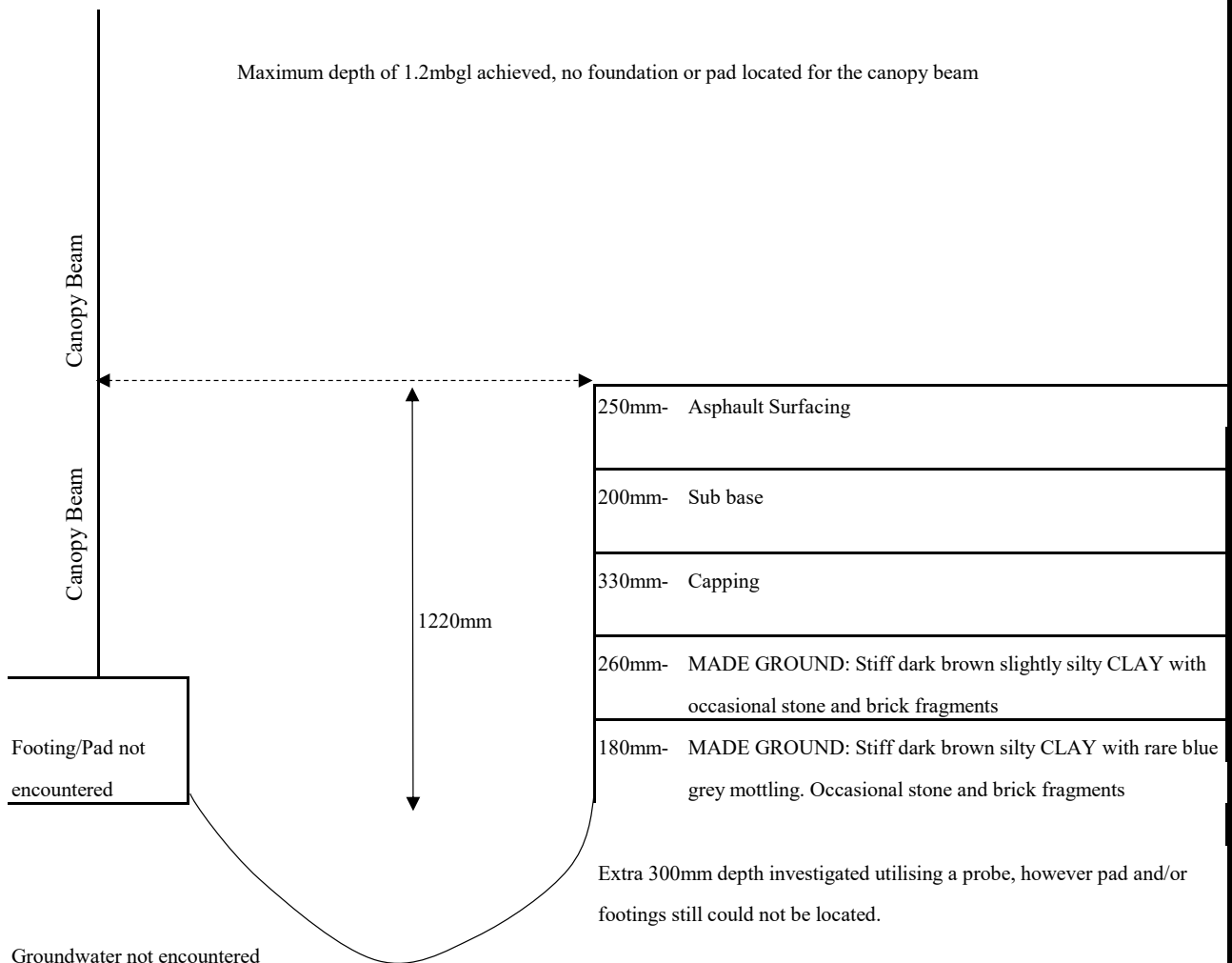
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Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	14/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP02

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale

Maximum depth of 1.2mbgl achieved, no foundation or pad located for the canopy beam



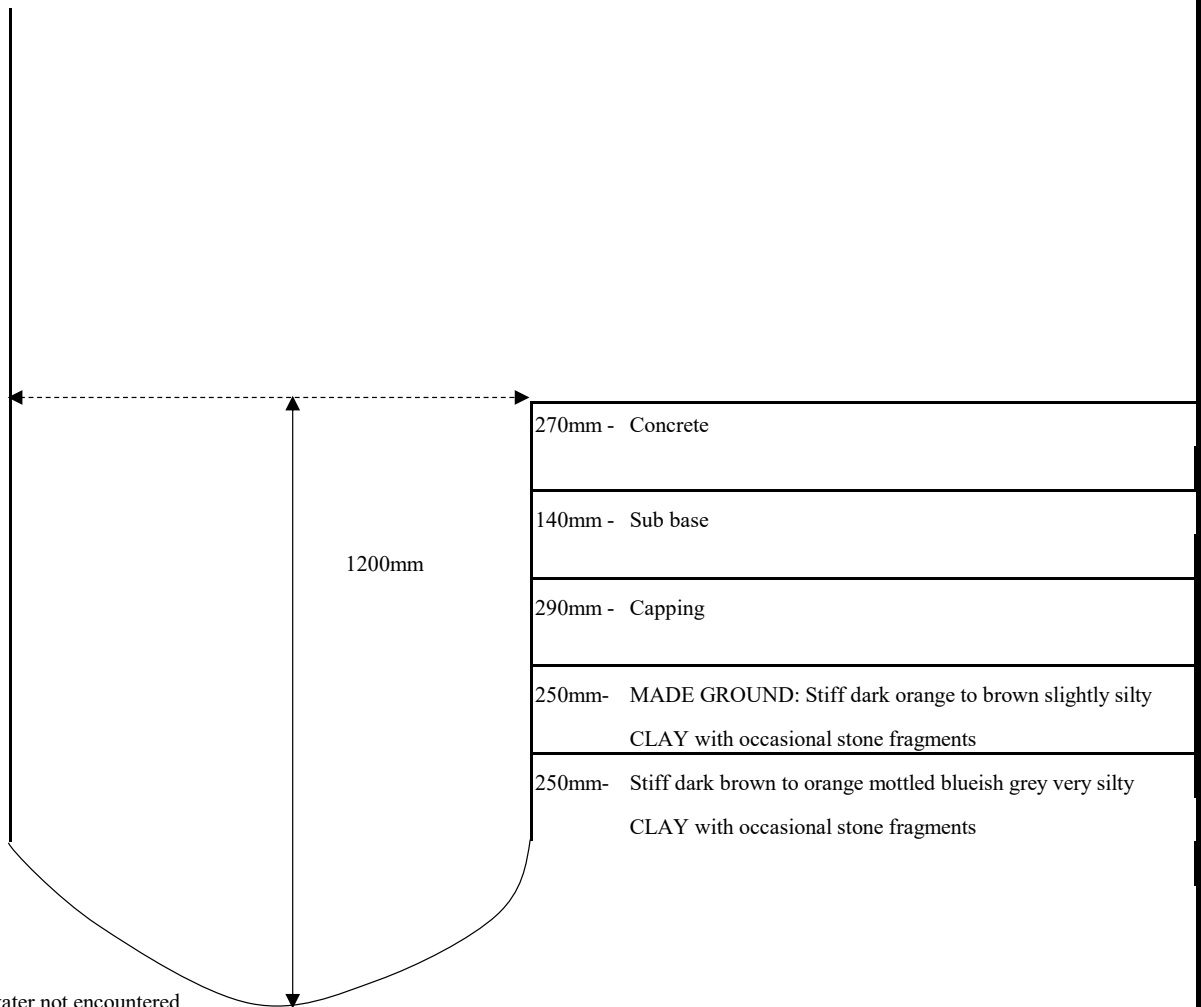
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Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	14/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP03

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale



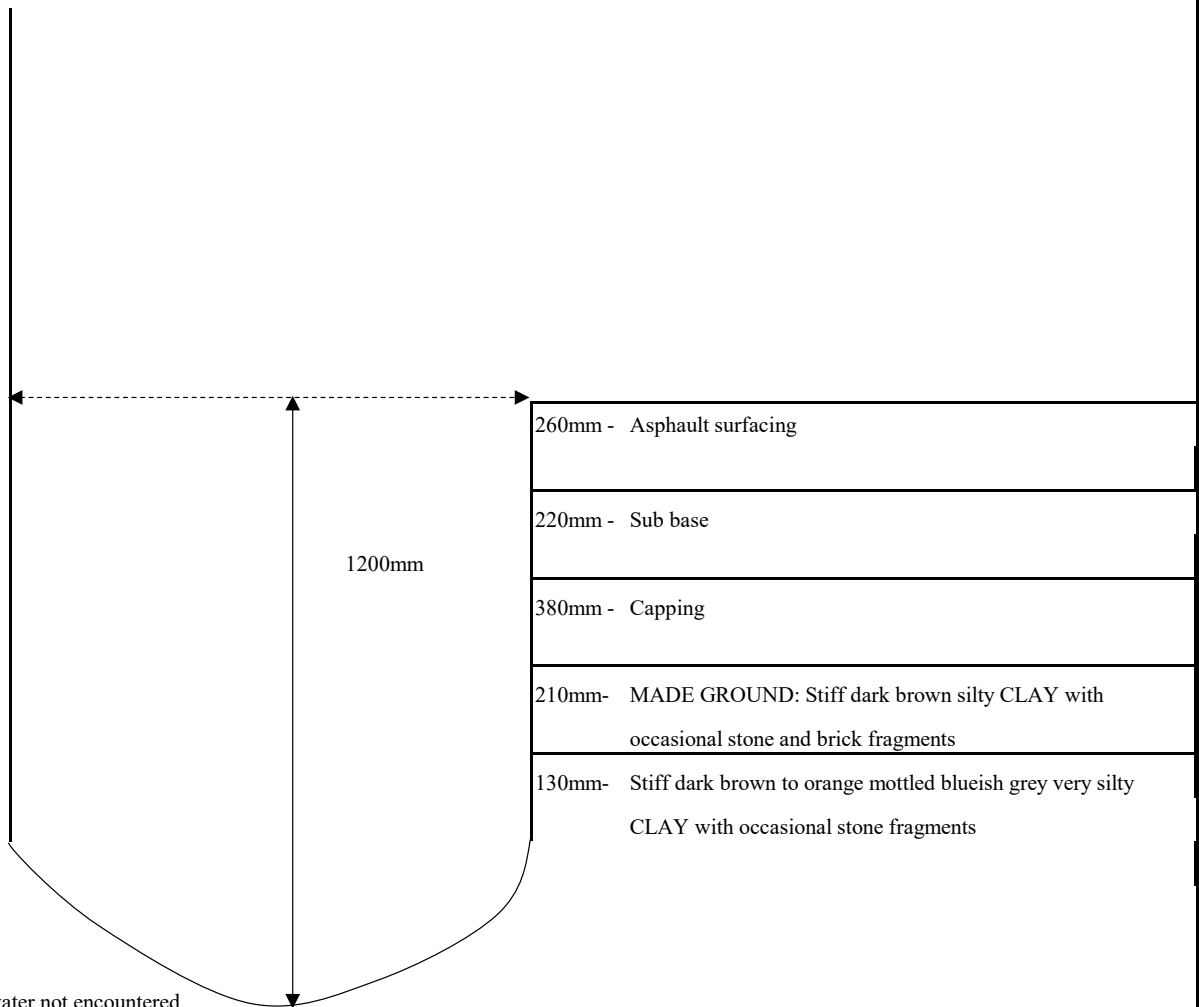
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Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	14/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP04

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale



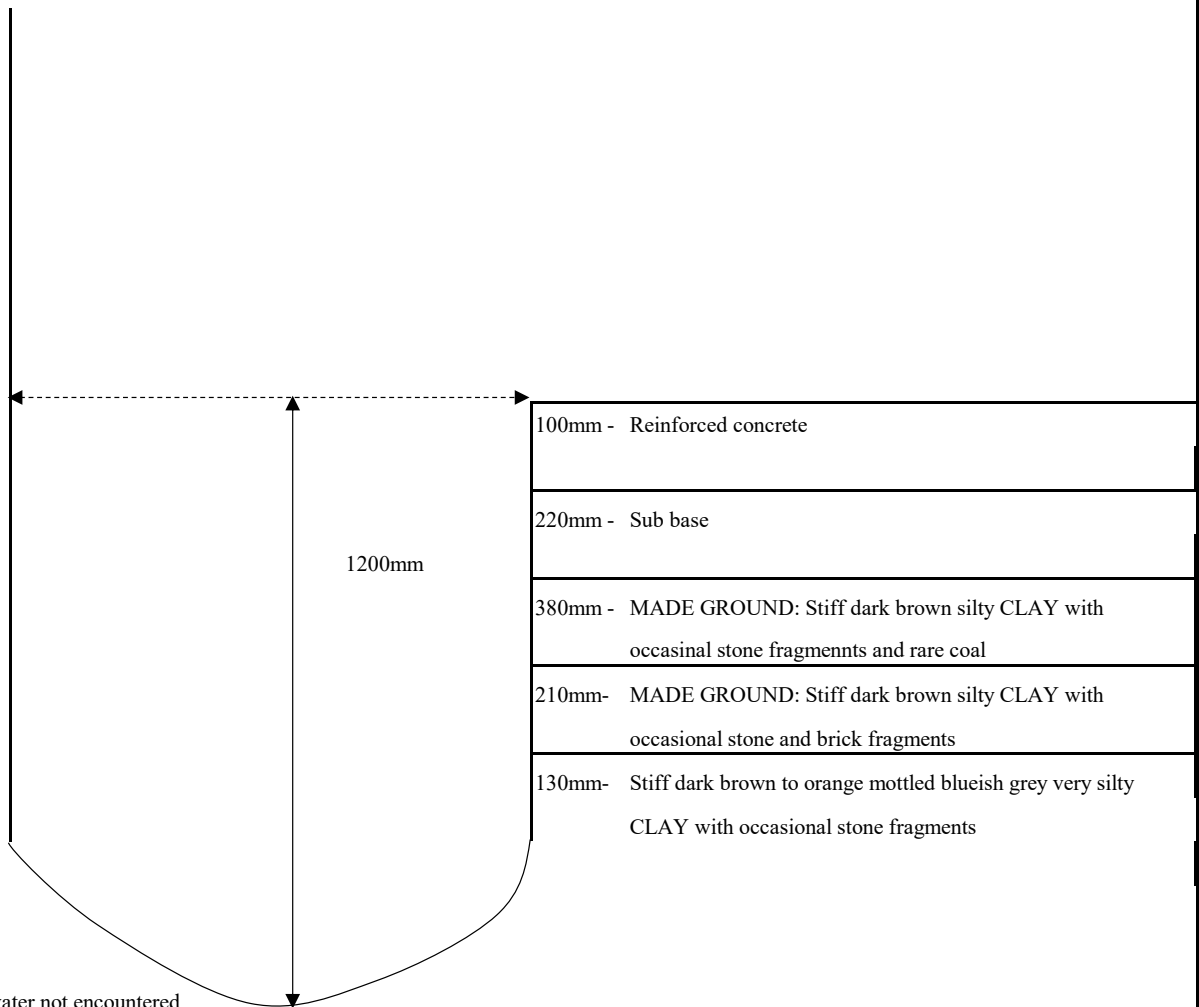
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Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	21/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP05

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale



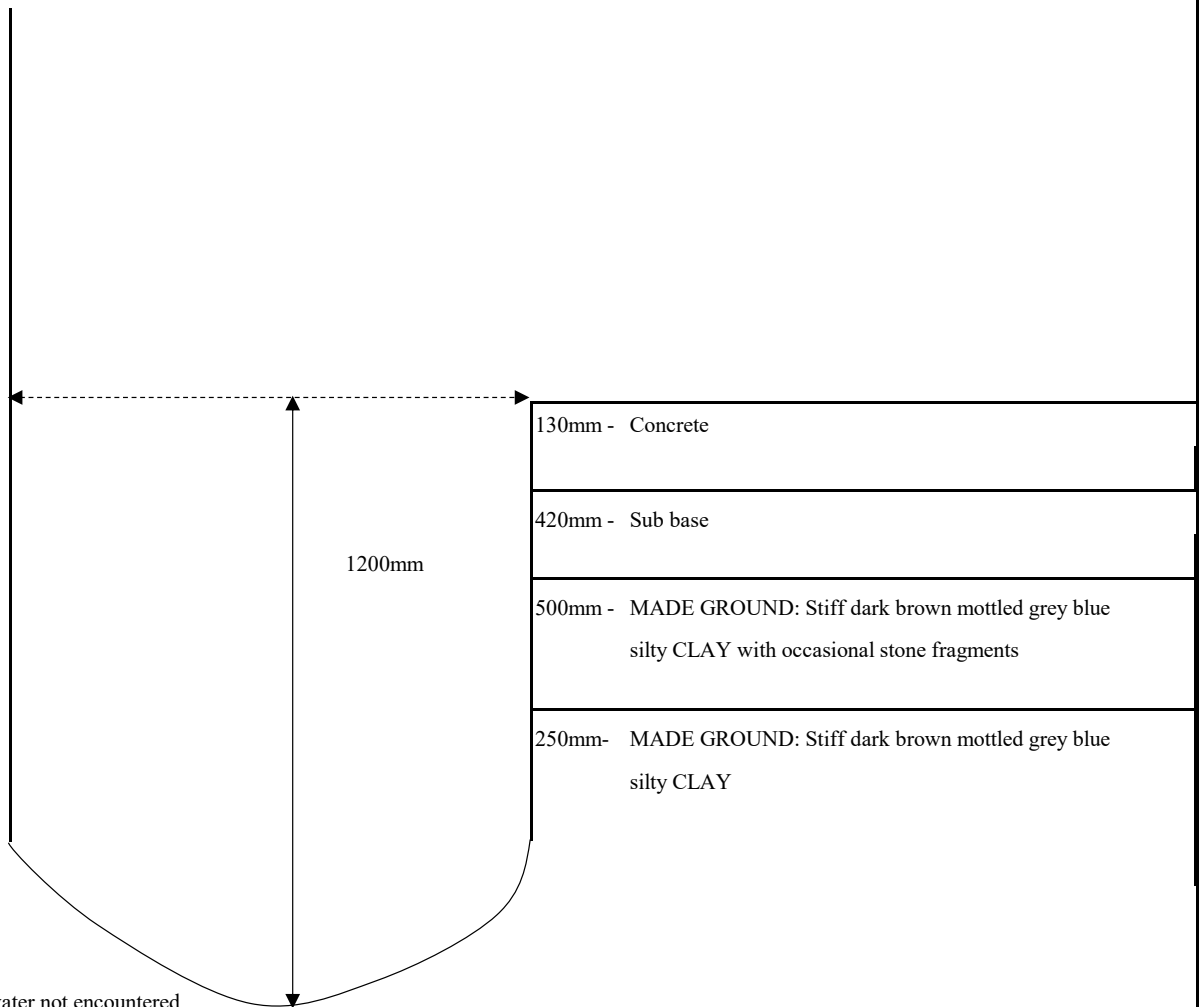
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Trial Pit Cross Section

Job Number	MRN 24307/1
Date of Site Visit	21/09/2024
Client	CCS Consulting Engineers Ltd
Location	Wythenshawe Hospital TLHC
Trial Pit	TP06

All dimensions are shown in millimetres unless stated otherwise, Sketch not to scale



Final Test Report

Envirolab Job Number: 24/09247
Issue Number: 1

Date: 2-Oct-24

Client: Murray Rix (Northern) Ltd
Andrew House
Hadfield Street
Dukinfield
Dukinfield
SK16 4QX

Project Manager: Enquires/Jake Taylor/Owain Davies
Project Name: Wythenshawe
Project Ref: N/A
Order No: 24/315

Date Samples Received: 23-Sep-24
Date Instructions Received: 25-Sep-24
Date Analysis Completed: 2-Oct-24

Notes - Soil analysis

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

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

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

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

HWOL TPH Code: EH_CU_1D_AL: Extractable hydrocarbons - i.e. everything extracted by the solvent(s), Clean-up - e.g. by florisil, silica gel, GC - Single coil gas chromatography, Aliphatics only

Approved by:



Gemma Berrisford
Deputy Client Services Supervisor

Sample Details					Landfill Waste Acceptance Criteria Limits			
Lab Sample ID	Method	ISO17025	MCERTS	24/09247/1				
Client Sample Number					Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill	
Client Sample ID				TP03				
Depth to Top				0.8				
Depth to Bottom								
Date Sampled				21/09/2024				
Sample Type				Soil - ES				
Sample Matrix Code				6A				
Solid Waste Analysis								
pH (pH Units) _D	A-T-031	N	N	7.92	-	>6	-	
ANC to pH 4 (mol/kg) _D	A-T-ANC	N	N	0.05	-	to be evaluated	to be evaluated	
ANC to pH 6 (mol/kg) _D	A-T-ANC	N	N	0.01	-	to be evaluated	to be evaluated	
Loss on Ignition (%) _D	A-T-030	N	N	2.2	-	-	10	
Total Organic Carbon (%) _D	A-T-032	N	N	0.19	3	5	6	
PAH Sum of 17 (mg/kg) _A	A-T-019	N	N	<0.08	100	-	-	
Mineral Oil (mg/kg) _{A EH_CU_1D_AL}	A-T-007	N	N	<10	500	-	-	
Sum of 7 PCBs (mg/kg) _A	A-T-004	N	N	<0.007	1	-	-	
Sum of BTEX (mg/kg) _A	A-T-022	N	N	<0.01	6	-	-	
Eluate Analysis				10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)			
				mg/l				10:1 mg/kg
Arsenic	A-T-025	N	N	<0.001	<0.01	0.5	2	25
Barium	A-T-025	N	N	0.018	0.180	20	100	300
Cadmium	A-T-025	N	N	<0.001	<0.01	0.04	1	5
Chromium	A-T-025	N	N	<0.001	<0.01	0.5	10	70
Copper	A-T-025	N	N	<0.004	<0.04	2	50	100
Mercury	A-T-025	N	N	<0.0005	<0.005	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.002	0.020	0.5	10	30
Nickel	A-T-025	N	N	<0.002	<0.02	0.4	10	40
Lead	A-T-025	N	N	<0.001	<0.01	0.5	10	50
Antimony	A-T-025	N	N	<0.001	<0.01	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	<0.01	0.1	0.5	7
Zinc	A-T-025	N	N	0.013	0.130	4	50	200
Chloride	A-T-026	N	N	5	54	800	15000	25000
Fluoride	A-T-026	N	N	0.8	8.0	10	150	500
Sulphate as SO ₄	A-T-026	N	N	59	589	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	112	1120	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	<0.1	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	<200	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.1				
Conductivity (µS/cm)	A-T-037	N	N	224				
Mass Sample (kg)				0.198				
Dry Matter (%)	A-T-044	N	N	88.5				
Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation								

Sample Details								
Lab Sample ID	Method	ISO17025	MCERTS	24/09247/2	Landfill Waste Acceptance Criteria Limits			
Client Sample Number					Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill	
Client Sample ID				TP040				
Depth to Top				0.8				
Depth to Bottom								
Date Sampled				21/09/2024				
Sample Type				Soil - ES				
Sample Matrix Code				6A				
Solid Waste Analysis								
pH (pH Units) _D	A-T-031	N	N	7.93	-	>6	-	
ANC to pH 4 (mol/kg) _D	A-T-ANC	N	N	0.11	-	to be evaluated	to be evaluated	
ANC to pH 6 (mol/kg) _D	A-T-ANC	N	N	0.02	-	to be evaluated	to be evaluated	
Loss on Ignition (%) _D	A-T-030	N	N	4.8	-	-	10	
Total Organic Carbon (%) _D	A-T-032	N	N	0.4	3	5	6	
PAH Sum of 17 (mg/kg) _A	A-T-019	N	N	<0.08	100	-	-	
Mineral Oil (mg/kg) _{A EH, CU, 1D, AL}	A-T-007	N	N	<10	500	-	-	
Sum of 7 PCBs (mg/kg) _A	A-T-004	N	N	<0.007	1	-	-	
Sum of BTEX (mg/kg) _A	A-T-022	N	N	<0.01	6	-	-	
Eluate Analysis				10:1 mg/l	10:1 mg/kg	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic	A-T-025	N	N	<0.001	<0.01	0.5	2	25
Barium	A-T-025	N	N	0.017	0.170	20	100	300
Cadmium	A-T-025	N	N	<0.001	<0.01	0.04	1	5
Chromium	A-T-025	N	N	<0.001	<0.01	0.5	10	70
Copper	A-T-025	N	N	<0.004	<0.04	2	50	100
Mercury	A-T-025	N	N	<0.0005	<0.005	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.003	0.030	0.5	10	30
Nickel	A-T-025	N	N	<0.002	<0.02	0.4	10	40
Lead	A-T-025	N	N	<0.001	<0.01	0.5	10	50
Antimony	A-T-025	N	N	<0.001	<0.01	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	<0.01	0.1	0.5	7
Zinc	A-T-025	N	N	0.011	0.110	4	50	200
Chloride	A-T-026	N	N	5	48	800	15000	25000
Fluoride	A-T-026	N	N	1.0	10.0	10	150	500
Sulphate as SO ₄	A-T-026	N	N	60	599	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	112	1120	4000	60000	100000
Phenol Index	A-T-050	N	N	0.01	0.10	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	<200	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.3				
Conductivity (µS/cm)	A-T-037	N	N	223				
Mass Sample (kg)				0.209				
Dry Matter (%)	A-T-044	N	N	83.8				
Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation								

Sample Details								
Lab Sample ID	Method	ISO17025	MCERTS	24/09247/3	Landfill Waste Acceptance Criteria Limits			
Client Sample Number					Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill	
Client Sample ID				TP05				
Depth to Top				0.5				
Depth to Bottom								
Date Sampled				21/09/2024				
Sample Type				Soil - ES				
Sample Matrix Code				6A				
Solid Waste Analysis								
pH (pH Units) _D	A-T-031	N	N	8.40		-	>6	-
ANC to pH 4 (mol/kg) _D	A-T-ANC	N	N	0.08		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg) _D	A-T-ANC	N	N	0.01		-	to be evaluated	to be evaluated
Loss on Ignition (%) _D	A-T-030	N	N	5.5		-	-	10
Total Organic Carbon (%) _D	A-T-032	N	N	0.73		3	5	6
PAH Sum of 17 (mg/kg) _A	A-T-019	N	N	<0.08		100	-	-
Mineral Oil (mg/kg) _{A EH, CU, 1D, AL}	A-T-007	N	N	<10		500	-	-
Sum of 7 PCBs (mg/kg) _A	A-T-004	N	N	<0.007		1	-	-
Sum of BTEX (mg/kg) _A	A-T-022	N	N	<0.01		6	-	-
Eluate Analysis				10:1	10:1	Limit values for compliance leaching test using		
				mg/l	mg/kg	BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic	A-T-025	N	N	0.005	0.050	0.5	2	25
Barium	A-T-025	N	N	1.037	10.370	20	100	300
Cadmium	A-T-025	N	N	<0.001	<0.01	0.04	1	5
Chromium	A-T-025	N	N	0.002	0.020	0.5	10	70
Copper	A-T-025	N	N	0.008	0.080	2	50	100
Mercury	A-T-025	N	N	<0.0005	<0.005	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.008	0.080	0.5	10	30
Nickel	A-T-025	N	N	0.008	0.080	0.4	10	40
Lead	A-T-025	N	N	0.010	0.100	0.5	10	50
Antimony	A-T-025	N	N	<0.001	<0.01	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	<0.01	0.1	0.5	7
Zinc	A-T-025	N	N	0.064	0.640	4	50	200
Chloride	A-T-026	N	N	13	125	800	15000	25000
Fluoride	A-T-026	N	N	2.1	21.0	10	150	500
Sulphate as SO ₄	A-T-026	N	N	30	298	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	58	580	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	<0.1	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	<200	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.1				
Conductivity (µS/cm)	A-T-037	N	N	115				
Mass Sample (kg)				0.213				
Dry Matter (%)	A-T-044	N	N	82.2				
Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation								

Sample Details								
Lab Sample ID	Method	ISO17025	MCERTS	24/09247/4	Landfill Waste Acceptance Criteria Limits			
Client Sample Number					Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill	
Client Sample ID				TP06				
Depth to Top				0.7				
Depth to Bottom								
Date Sampled				21/09/2024				
Sample Type				Soil - ES				
Sample Matrix Code				6A				
Solid Waste Analysis								
pH (pH Units) _D	A-T-031	N	N	8.07	-	>6	-	
ANC to pH 4 (mol/kg) _D	A-T-ANC	N	N	0.11	-	to be evaluated	to be evaluated	
ANC to pH 6 (mol/kg) _D	A-T-ANC	N	N	0.03	-	to be evaluated	to be evaluated	
Loss on Ignition (%) _D	A-T-030	N	N	5.1	-	-	10	
Total Organic Carbon (%) _D	A-T-032	N	N	0.53	3	5	6	
PAH Sum of 17 (mg/kg) _A	A-T-019	N	N	<0.08	100	-	-	
Mineral Oil (mg/kg) _{A EH, CU, 1D, AL}	A-T-007	N	N	<10	500	-	-	
Sum of 7 PCBs (mg/kg) _A	A-T-004	N	N	<0.007	1	-	-	
Sum of BTEX (mg/kg) _A	A-T-022	N	N	<0.01	6	-	-	
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)		
				mg/l	mg/kg			
Arsenic	A-T-025	N	N	<0.001	<0.01	0.5	2	25
Barium	A-T-025	N	N	0.007	0.070	20	100	300
Cadmium	A-T-025	N	N	<0.001	<0.01	0.04	1	5
Chromium	A-T-025	N	N	<0.001	<0.01	0.5	10	70
Copper	A-T-025	N	N	<0.004	<0.04	2	50	100
Mercury	A-T-025	N	N	<0.0005	<0.005	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	<0.01	0.5	10	30
Nickel	A-T-025	N	N	<0.002	<0.02	0.4	10	40
Lead	A-T-025	N	N	<0.001	<0.01	0.5	10	50
Antimony	A-T-025	N	N	<0.001	<0.01	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	<0.01	0.1	0.5	7
Zinc	A-T-025	N	N	0.018	0.180	4	50	200
Chloride	A-T-026	N	N	<1.00	<10	800	15000	25000
Fluoride	A-T-026	N	N	1.2	12.0	10	150	500
Sulphate as SO ₄	A-T-026	N	N	2	18	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	53	530	4000	60000	100000
Phenol Index	A-T-050	N	N	0.02	0.20	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<2.0	<200	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.3				
Conductivity (µS/cm)	A-T-037	N	N	107				
Mass Sample (kg)				0.216				
Dry Matter (%)	A-T-044	N	N	81				
Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation								

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 24/09247
Issue Number: 1

Date: 02 October, 2024

Client: Murray Rix (Northern) Ltd
Andrew House
Hadfield Street
Dukinfield
Dukinfield
SK16 4QX

Project Manager: Enquires/Jake Taylor/Owain Davies
Project Name: Wythenshawe
Project Ref: N/A
Order No: 24/315
Date Samples Received: 23/09/24
Date Instructions Received: 25/09/24
Date Analysis Completed: 02/10/24

Approved by:



Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 24/09247

Client Project Name: Wythenshawe

Client Project Ref: N/A

Lab Sample ID	24/09247/1	24/09247/2	24/09247/3	24/09247/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP03	TP040	TP05	TP06						
Depth to Top	0.80	0.80	0.50	0.70						
Depth To Bottom										
Date Sampled	21-Sep-24	21-Sep-24	21-Sep-24	21-Sep-24						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	6A	6A	6A	6A						
% Stones >10mm _A	<0.1	2.2	<0.1	<0.1				% w/w	0.1	A-T-044

Envirolab Job Number: 24/09247

Client Project Name: Wythenshawe

Client Project Ref: N/A

Lab Sample ID	24/09247/1	24/09247/2	24/09247/3	24/09247/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP03	TP040	TP05	TP06						
Depth to Top	0.80	0.80	0.50	0.70						
Depth To Bottom										
Date Sampled	21-Sep-24	21-Sep-24	21-Sep-24	21-Sep-24						
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES						
Sample Matrix Code	6A	6A	6A	6A						
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD						A-T-045
Asbestos Matrix (visual) _D	-	-	-	-						A-T-045
Asbestos Matrix (microscope) _D	-	-	-	-						A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A	N/A	N/A	N/A						A-T-045

Report Notes

General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- The results reported herein relate only to the material supplied to the laboratory.
- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
- Analytical results reflect the quality of the sample at the time of analysis only.
- Opinions and Interpretations expressed are outside our scope of accreditation.
- A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript “#”	Accredited to ISO 17025
Superscript “M”	Accredited to MCertS
Superscript “U”	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript “A”	Analysis performed on as-received Sample
Subscript “D”	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript “D” on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript “A”	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

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

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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

Quantification: Generally a 2 stage process including visual identification, hand picking and weighing, and fibre counting. Where ACMs are found a percentage asbestos is assigned to each with reference to ‘HSG264, Asbestos: The survey guide’ and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres). “TRACE” will be reported as a quantification result.

PLEASE INFORM THE LABORATORY IF YOU WOULD LIKE THE STAGE 3 SEDIMENTATION PROCESS CARRIED OUT. Note this will be subcontracted.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:

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

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

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

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

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only. Results “with Clean up” indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.

Where these humic substances have been identified in any IDs from “TPH CWG with clean up” please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

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

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Murray Rix (Northern) Ltd, Andrew House , Hadfield Street, Dukinfield ,
Dukinfield, SK16 4QX

Project: Wythenshawe

Clients Project No: N/A

Project No: 24/09247

Date Received: 25/09/2024 (am)

Cool Box Temperatures (°C): 16.2

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

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

Envirolab Analysis Dates

Lab Sample ID	24/09247/1	24/09247/2	24/09247/3	24/09247/4
Client Sample No				
Client Sample ID/Depth	TP03 0.80m	TP040 0.80m	TP05 0.50m	TP06 0.70m
Date Sampled	21/09/24	21/09/24	21/09/24	21/09/24
A-T-004s	27/09/2024	27/09/2024	27/09/2024	27/09/2024
A-T-007s	26/09/2024	26/09/2024	26/09/2024	26/09/2024
A-T-019s	27/09/2024	27/09/2024	27/09/2024	27/09/2024
A-T-022s	27/09/2024	27/09/2024	27/09/2024	27/09/2024
A-T-025w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-026w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-026w (F)	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-030s	30/09/2024	30/09/2024	30/09/2024	30/09/2024
A-T-031s	30/09/2024	30/09/2024	30/09/2024	30/09/2024
A-T-031w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-032s	30/09/2024	30/09/2024	30/09/2024	30/09/2024
A-T-032w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-037w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-044	27/09/2024	27/09/2024	27/09/2024	27/09/2024
A-T-045	26/09/2024	26/09/2024	26/09/2024	26/09/2024
A-T-050w	02/10/2024	02/10/2024	02/10/2024	02/10/2024
A-T-ANCs	30/09/2024	30/09/2024	30/09/2024	30/09/2024
Calc-no stones	02/10/2024	02/10/2024	02/10/2024	02/10/2024
Probe (w)	02/10/2024	02/10/2024	02/10/2024	02/10/2024

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

End of Report