

GROUND CONTAMINATION POST-COMPLETION REPORT
MEDIEVAL QUARTER AND GLADE OF LIGHT



Date: 19/10/2021

REV No: 01

Contract No.	HLA037a		
Contract Title & Address	Medieval Quarter and Glade of Light Victoria Street, Manchester, M3 1SX		
Duration of Project	Start Date: 24/03/2021	End Date: 01/12/2021	
Client Name & Address	Manchester City Council, Town Hall Extension Level 8, Albert Square, Manchester, M2 5HD.		
Principal Designer Name & Address	Galliford Try Construction Ltd., Crab Lane, Fearnhead, Warrington, Cheshire, WA2 0XR.		
Principal Contractor Name & Address	Galliford Try Construction Ltd., Crab Lane, Fearnhead, Warrington, Cheshire, WA2 0XR.		
Prepared By	Adam Liu		
	Print Name Above	Signature Above	
	Date: 19/10/2021		
Reviewed By	Dave Procter		
	Print Name Above	Signature Above	
	Date: 19/10/2021		

Contents

Introduction

Section 1 Description of the scheme

- 1.1 Location of the scheme
- 1.2 Background and context
- 1.3 Scope of the works
- 1.4 Phasing of the works

Section 2 Earthworks and excavation

- 2.1 Information from Ground Investigation Factual Report
- 2.2 Methodology
- 2.3 Volumes of soils removed from site

Appendices

- 1. Tarmacadam (17-03-02) Waste Transfer Note, Waste Carrier Licence, and Environmental Permit
- 2. Example mixtures of concrete, bricks, tiles and ceramics (17-01-07) Waste Transfer Note, Waste Carrier Licence, and Environmental Permit
- 3. Example soil and stones (17-05-04) Analytical Test Report, Waste Transfer Note, Waste Carrier Licence, and Environmental Permit

Revision History

Revision	Date	Description	Author
01	19/10/2021	First issue for planning condition discharge	Adam Liu

Introduction

This ground contamination post-completion report has been produced in order to discharge Planning Condition 8 as part of the Medieval Quarter and Glade of Light Scheme Phase 1A. (Application number: 128045/VO/2020).

The full wording of Planning Condition 8 is referenced below:

8) On the basis of the Medieval Quarter, Manchester, Ground Investigation Factual Report dated February 2019, no site remediation is required. Notwithstanding this a watching brief shall be implemented for:

- (a) phase 1a;
- (b) phase 1b; and
- (c) phase 1c.

To ensure that in the event that ground contamination, groundwater contamination, and/or ground gas are encountered on the site at any time during the development being implemented, then works shall cease until a report detailing what measures, if any, are required to remediate the land (the Remediation Strategy), is submitted to and approved in writing by the City Council as Local Planning Authority and the works shall be carried out in accordance with the agreed Remediation Strategy. If no contamination is found, then a post-completion report shall be submitted to evidence this prior to the use commencing.

A watching brief was provided by Galliford Try's site team throughout the implementation of Phase 1A. No ground contamination, groundwater contamination, or ground gas were encountered, details and evidence of which are provided in Section 2 and the Appendices.

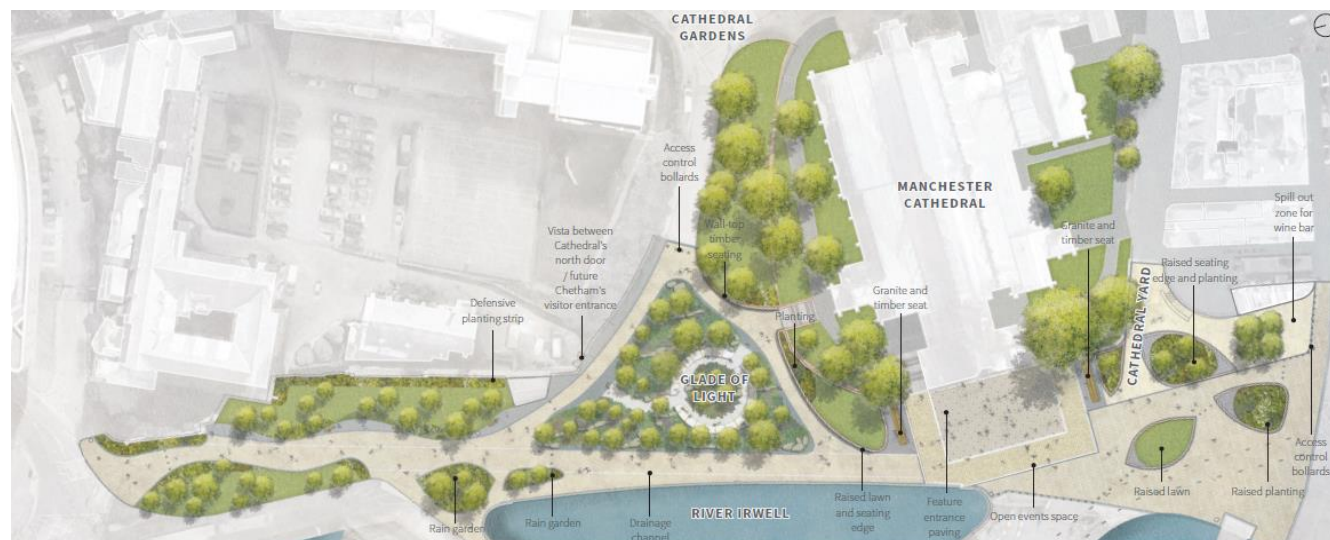
Section 1

1 Description of the scheme

1.1 Location of the scheme

The scheme is located on Victoria Street, Manchester, M3 1SX. (See below).

The site itself runs from Hunts Bank to the North, along Victoria Street to the junction with Deansgate to the South, and includes the areas of lawn and trees, implemented as part of the Cathedral Gardens scheme to the East.



1.2 Background and context

The Medieval Quarter is a strategically important gateway site that sits at the boundary between Manchester and Salford, across the river from the Greengate development area and near to Victoria Station, Cathedral Gardens, Exchange Square and NOMA. It also occupies a key location at the end of Deansgate where it interfaces with the development planned for the Renaissance Hotel site.

It is one of the most historically significant areas of Manchester, and boasts impressive archaeological and architectural heritage. The area contains the surviving section of Hanging Bridge and First Ditch which were exposed during the demolition of the Palatine Building, both thought to be tributaries running between the River Irk and the River Irwell that pre-date the surrounding buildings. As Manchester grew, houses and other buildings were built in close proximity to the Cathedral, including over the two tributaries.

Although a church is believed to have been present on the site from as early as the 7th Century, the current Cathedral is thought to have been constructed circa 1215 AD. Chetham's School of Music is constructed on the site of Manchester Castle, which has been referred to as early as 1184. The library at Chetham's is the oldest in the English-speaking world, and the building was constructed in 1421.

In more recent years the area has been regenerated following the 1996 IRA bomb. Shambles East was demolished, New Cathedral Street and No. 1 Deansgate were constructed bringing shops and apartments to the area, and the surface car park behind the Corn Exchange was also redesigned to become Cathedral Gardens. Which is now a popular and well-used area providing a thoroughfare between the Cathedral and Victoria station.

Within the site itself Victoria Street was previously closed to traffic in 2013, and a temporary landscaping scheme was implemented that included planters and children's play equipment. This temporary scheme had become run-down and was ready to be replaced by a more permanent designed solution.

1.3 Scope of the works

The scheme involves improvements to the public realm alongside the River Irwell in central Manchester, and the creation of the Glade of Light, a permanent memorial in response to the Manchester Arena Attack of 2017.

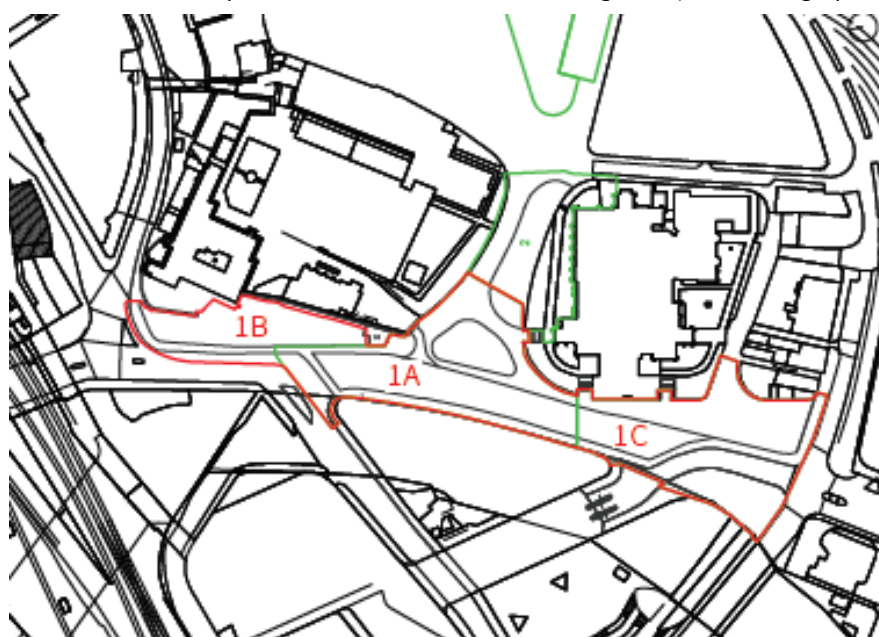
The scheme seeks to redevelop Victoria Street into a linear park that provides opportunities for a range of public uses, in addition to creating a green link to the North of Deansgate, and improving the setting of Manchester Cathedral and Chetham's School of Music.

The spine route will create a clear park vista from Deansgate, with the Glade of Light acting as a place of quiet reflection and remembrance away from the busy city centre. The route culminates in the new Cathedral Square which aims to declutter the area and create space for the Cathedral to breathe and be appreciated. In addition, this space will create a destination for public events and ceremonies.

The spine route will be lined with an avenue of park trees and lighting columns to link the spaces of the First Ditch Gardens and the Glade of Light. The route will be paved with high-quality Yorkstone, with granite sett edge trims to reflect the many historical materials found in the surrounding area, benches with a 'park-like' quality will also be provided to encourage users to sit and take in the view.

1.4 Phasing of the works

The scheme is to be delivered in three phases, with Phase 1A commencing first. (See below graphic).



- Phase 1A – This phase stretches between Chetham's School of Music to the North and Manchester Cathedral to the South, and is due to be complete in December 2021;
- Phase 1B – This phase is at the northernmost extent of the site and includes the footway to Victoria Street, and the area of land vacated when the Palatine Building was demolished to the West of Chetham's School of Music; and
- Phase 1C – This phase includes the area immediately in front of Manchester Cathedral, up to the parapet of the River Irwell and the easternmost extent of Cathedral Approach.

Section 2

2 Earthworks and excavation

2.1 Information from Ground Investigation Factual Report

In terms of earthworks and excavation, the existing site could be split into two main areas:

- 1 Victoria Street carriageway – Tarmacadam road construction overlying historic cobbles, a concrete base, and made ground.
- 2 Victoria street footpaths – Yorkstone flags overlying a concrete base and made ground.

2.2 Methodology

During the design and planning stage of the scheme, the waste hierarchy was applied. This resulted in the selection of the most sustainable approach to each area of earthworks and excavation.

Victoria Street carriageway

The redundant Victoria Street carriageway within the Phase 1A boundary needed to be removed as part of the works.

The tarmacadam surface course was planed out, and taken off-site to be re-used/recycled. Copies of the relevant Waste Transfer Note, Waste Carrier Licence, and Environment Permit can be found in Appendix 1.



The cobbles that were encountered below the tarmacadam surface course were then excavated and taken off-site to be re-used. Any concrete base that was encountered below the cobbles was also excavated and taken off-site to be crushed and re-used/recycled. Copies of examples of the relevant Waste Transfer Notes, Waste Carrier Licences, and Environment Permits can be found in Appendix 2.



The made ground that was encountered below the cobbles was re-used on site as fill where required, and the surplus was taken off-site to be screened and re-used/recycled. Copies of examples of the relevant Analytical Test Report, Waste Transfer Notes, Waste Carrier Licences, and Environment Permits can be found in Appendix 3.



Victoria Street footpaths

The Yorkstone flags from the existing Victoria Street footpaths were stacked and re-used as part of the works.



Any concrete base that was encountered below the Yorkstone flags was also excavated and taken off-site to be crushed and recycled. Copies of examples of the relevant Waste Transfer Notes, Waste Carrier Licences, and Environment Permits can be found in Appendix 2.



2.3 Volumes of soils removed from site

<u>Waste Carrier</u>	<u>Waste Carriers Licence Number</u>	<u>Waste</u>	<u>Volume (T)</u>	<u>Transfer Facility</u>	<u>Environmental Permit Number</u>
J Fisher & Sons	CBDU70000	17-03-02 (bituminous mixtures)	240	Land Off Isherwood Road, Carrington, M31 4AW	FB3001SS
DHI Excavations	CBDU181466	17-01-07 (mixtures of concrete, bricks, tiles and ceramics)	1700	The Pilkington Site, Rake Lane, Clifton, M27 8LP.	JB3501HU
DHI Excavations	CBDU181466	17-05-04 (soil and stones)	1060	Park House Services, Lower Gollinrod Farm, Gollinrod, Bury, BL9 5NB.	WEX241111

Appendix 1 –Tarmacadam (17-03-02) Waste Transfer Note, Waste Carrier Licence, and Environmental Permit

J Fisher & Sons Duty of Care: Waste Transfer Note						Number		P	P	2	7	0	6	2	1				
Current Holder of Waste is:										S.I.C. 2007		4	2	.	1	1	/	0	
Power Plane Highway House, Asfare Business Park, Other Hinckley Road, Wolvey, Leicestershire, LE10 3HQ Phone: +44 (0)1455 221220 ... (Please enter Name & Address):										Code/s				.			/		
A1- Description of Waste												LoW (EWC) Code/s							
1- Please describe the waste being transferred:												1	7	0	3	0	2		
2- How is the waste Contained? Please tick one of the boxes:																			
Loose ☐ Sacks ☐ Skip ☐ Drum ☐ Tanker ☐ Other ☒ Please Describe: 8w Tippers 3- What quantity of waste is being transferred (weight, volume, number & size of containers etc)? 240 tonnes																			
4- We confirm that the waste hierarchy has been applied (Prevention> Re-use> Recycling> Recovery> Disposal)																YES			
A2- Waste Pre-treatment Details																			
1- Has the waste been Pre-treated? Yes ☐ (please answer 2,3 & 4) No ☒ (please tick 5,6 or 7)																			
2- How was the waste treated? Segregation ☐ Other ☐ 5- Treatment to be carried out at a landfill site by prior agreement ☐																			
3- Please describe 'other' method (eg drying) _____ 6- Not technically feasible to treat waste further ☐																			
4- What materials are segregated (please list) _____ 7- Waste is going directly to recycling depot ☒																			
B1- Waste Collection Address				B2- Collection Date				B3- Waste Holder: If 'Yes', tick box:											
(please enter the details of the site the waste is being collected from)				From: 27/5/2021				Are you the producer of the waste? (if 'Yes', go to section C) ☒											
1- Site Name: Medieval Quarter				To:				Have you imported the waste? ☐											
2- Site Address: And Glade of Light Manchester								(If Yes, please give the Permit number: _____) ☐											
3- Post Code: M3 1SX								Do you have a Permit Exemption for waste? ☐											
								(If yes, what exemption is it? _____) ☐											
C1- Person Collecting the Waste												Do you have a Waste Carriers Licence? ☒							
1- Full Name: J Fisher & Sons Ltd												(If yes, please give the licence number: CBDU70000)							
2- Company Name and Address												Are you exempt from needing a Waste Carriers Licence? ☐							
Unit 10 chanters Ind est												(If yes, please give the reason: _____)							
Arley way, Atherton												3- Are You: A waste collection authority? ☐							
Manchester												A waste disposal authority (Scotland Only)? ☐							
Post Code: M46 9EH												A waste Exporter? ☐							
C2- Destination of Waste (Details of facility where waste is being taken)																			
1- Site Operator Name: J Fisher & Sons Ltd												4- Is the site a Transfer Station? ☐							
2- Site Address: Land Off Isherwood Rd												Recycling/ Sorting Station? ☒							
Carrington												Landfill Site? ☐							
Post Code: M31 4AW												Other (Give details: _____) ☐							
3- Give details of the site Environmental Permit or Permit Exemption:																			
Permit/ Exemption No: EPR/FB3001SS																			
D- Transferor's Signature: <i>D Brookfield</i> Transferee's signature: <i>D Brookfield</i>																			
Print Name: Dean Brookfield Date: 27/05/2021 Print Name: Dean Brookfield Date: 27/05/2021																			



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Registration CBDU70000 – J. FISHER & SONS LTD

Registration number	CBDU70000
Business name	J. FISHER & SONS LTD
Company number	01856028 (http://business.data.gov.uk/id/company/01856028)
Registered as	Carrier Dealer - Upper Tier ▶ Help with tier types
Applicant type	Company
Registration date:	31/10/2018
Expiry date:	06/12/2021

Business address

Address	J FISHER & SONS LTD, ARLEY WAY, MANCHESTER, M46 9BP
Postcode	M46 9BP (http://data.ordnancesurvey.co.uk/id/postcodeunit/M469BP)

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Permit FB3001SS/A001 – J. Fisher & Sons Limited

Permit number	FB3001SS/A001
Waste Management Licence No.	403925
Licence Holder Name	J. Fisher & Sons Limited

Site

Site name	J. Fisher & Sons Limited
Site type	SR2010 No12: Treatment of waste to produce soil <75,000 tpy
Site Address	Unit 10, Chanters Industrial Estate, Arley Way, Atherton, Lancashire, M46 9BP
Site Postcode	M46 9BP (http://data.ordnancesurvey.co.uk/id/postcodeunit/M469BP)
Site Grid Reference	SD6864402803
Easting	368644
Northing	402803
Local Authority	Wigan (http://www.wigan.gov.uk)

Status

Status Description	Issued
Issued Date	16/03/2017

Request documents ([mailto:dutyofcare@environment-agency.gov.uk?subject=Request for WO documents: FB3001SS/A001&body=I would like to request Environmental Permit \(Waste Operations\) number FB3001SS/A001 - J. F](mailto:dutyofcare@environment-agency.gov.uk?subject=Request for WO documents: FB3001SS/A001&body=I would like to request Environmental Permit (Waste Operations) number FB3001SS/A001 - J. F))

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[Privacy Policy \(https://support.environment.data.gov.uk/hc/en-gb/articles/360015530271-Privacy-Notice\)](https://support.environment.data.gov.uk/hc/en-gb/articles/360015530271-Privacy-Notice) [Cookies \(/cookies\)](#)
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Appendix 2 – Example mixtures of concrete, bricks, tiles and ceramics (17-01-07) Waste Transfer Notes, Waste Carrier Licence, and Environmental Permit

DHI Excavations Ltd**Collection / Delivery Note****Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire**

11 - 13 Church Street, Farnworth, Bolton. BL4 8AG

Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673

Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk

No: **227760**Date: **7-6-21**

WCL No: CB/DU181466

SIC CODE:

Customer:

BDB

Location:

Cathedral, MCR

Vehicle Reg:

PN20EZJ

Driver Name:

Leaky

Vehicle Type:

☒ 8W TIPPER☐ 6W GRAB☐ 8W GRAB☐ OTHER

Material:

Weight: Weight:

TONNE / KG

DELAYS OR WAITING TIME

Cobbles**away.**

Gross:

ARR

DEP

HR

Tare:

REASON FOR DELAY:

EWC Code:

17-01-07

Net:

Daywork:

Hours Worked:

Travel Time:

Total Time:

Consignee Signature:

Time:

Print Name:

N. Littlemore

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

DHI Excavations Ltd**Bulk Excavation • Demolition • Aggregates • Soils • Grab Hire • Tipper Hire**

11 - 13 Church Street, Farnworth, Bolton. BL4 8AG

Tel: 0161 794 4550 • fax: 0161 790 8088 • mobile: 07921 833673

Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk

Collection / DeliveryNo: **216600**Date: **28-5-21**

WCL No: CB/DU181466

SIC CODE:

Customer:

RDB PROSPECTS

Location:

VIC ST MIC

Vehicle Reg:

XD67YAZ

Driver Name:

SHANM

Vehicle Type:

8W TIPPER

☒ 6W GRAB☐ 8W GRAB

OTHER

Material:

Weight: Weight: TONNE / KG

DELAYS OR WAITING TIME

1 X 8W Load Hauler Course

Gross:

ARR

DEP

EWC Code:

Tare:

REASON FOR DELAY:

17-01-07

Net:

Daywork:

Hours Worked:

Travel Time:

Total Time:

Consignee Signature:

Steve Bootle

Time:

Print Name:

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



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Registration CBDU181466 – DHI EXCAVATIONS LIMITED

Registration number	CBDU181466
Business name	DHI EXCAVATIONS LIMITED
Company number	06617424 (http://business.data.gov.uk/id/company/06617424)
Registered as	Carrier, Broker, Dealer - Upper Tier ▶ Help with tier types
Applicant type	Company
Registration date:	10/06/2020
Expiry date:	16/07/2023

Business address

Address	FARNWORTH SNOOKER & SOCIAL CLUB, CHURCH STREET, BOLTON, BL4 8AG
Postcode	BL4 8AG (http://data.ordnancesurvey.co.uk/id/postcodeunit/BL48AG)

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Permit JB3501HU/A001 – Salford Excavations Recycling Limited

Permit number	JB3501HU/A001
Waste Management Licence No.	407064
Licence Holder Name	Salford Excavations Recycling Limited

Site

Site name	Aggregate Recycling Facility
Site type	S0906 No 6: Inert & Excavation WTS with treatment
Site Address	The Pilkington Site, 346, Rake Lane, Clifton, Manchester, M27 8LJ
Site Postcode	M27 8LJ (http://data.ordnancesurvey.co.uk/id/postcodeunit/M278LJ)
Site Grid Reference	SD7895003322
Easting	378950
Northing	403322
Local Authority	Salford (http://www.salford.gov.uk)

Status

Status Description	Issued
Issued Date	10/08/2020

Request documents ([mailto:dutyofcare@environment-agency.gov.uk?subject=Request for WO documents: JB3501HU/A001&body=I would like to request Environmental Permit \(Waste Operations\) number JB3501HU/A001 - Salford Excavations Recycling Limited](mailto:dutyofcare@environment-agency.gov.uk?subject=Request for WO documents: JB3501HU/A001&body=I would like to request Environmental Permit (Waste Operations) number JB3501HU/A001 - Salford Excavations Recycling Limited))

Back

Appendix 3 – Example soil and stones (17-05-04) Analytical Test Report, Waste Transfer Note, Waste Carrier Licence, and Environmental Permit



ANALYTICAL TEST REPORT

Contract no: 98200
Contract name: Victoria Street, Manchester
Client reference: Glade Area 1
Clients name: DHI Excavations
Clients address: 11-13 Church Street
Farnworth
Bolton
BL4 8AG

Samples received: 08 July 2021

Analysis started: 08 July 2021

Analysis completed: 08 July 2021

Report issued: 08 July 2021

Notes: Opinions and interpretations expressed herein are outside the UKAS accreditation scope.
Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.
All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.
Methods, procedures and performance data are available on request.
Results reported herein relate only to the material supplied to the laboratory.
This report shall not be reproduced except in full, without prior written approval.
Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key: U UKAS accredited test
M MCERTS & UKAS accredited test
\$ Test carried out by an approved subcontractor
I/S Insufficient sample to carry out test
N/S Sample not suitable for testing
NAD No Asbestos Detected

Approved by:

Rachael Burton
Customer Support Squad Leader

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

All results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

Analytical results are inclusive of stones.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
98200-1	Stockpile 1	-	Sand	-	-	10.3

Chemtech Environmental Limited

SOILS

Lab number Sample id Depth (m) Date sampled			98200-1 Stockpile 1 - 06/07/2021
Test	Method	Units	
Arsenic (total)	CE127 ^M	mg/kg As	4.3
Barium (total)	CE127 ^M	mg/kg Ba	56
Cadmium (total)	CE127 ^M	mg/kg Cd	<0.2
Chromium (total)	CE127 ^M	mg/kg Cr	129
Copper (total)	CE127 ^M	mg/kg Cu	14
Lead (total)	CE127 ^M	mg/kg Pb	19
Mercury (total)	CE127 ^M	mg/kg Hg	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	14
Selenium (total)	CE127 ^M	mg/kg Se	0.8
Vanadium (total)	CE127 ^M	mg/kg V	25
Zinc (total)	CE127 ^M	mg/kg Zn	54
pH	CE004 ^M	units	8.0
Sulphate (total)	CE062 ^M	mg/kg SO ₄	489
Cyanide (free)	CE077	mg/kg CN	<1
Cyanide (total)	CE077	mg/kg CN	<1
Phenols (total)	CE078	mg/kg PhOH	<0.5
PAH			
Naphthalene	CE087 ^M	mg/kg	0.09
Acenaphthylene	CE087 ^M	mg/kg	0.17
Acenaphthene	CE087 ^M	mg/kg	0.30
Fluorene	CE087 ^U	mg/kg	0.45
Phenanthrene	CE087 ^M	mg/kg	4.28
Anthracene	CE087 ^U	mg/kg	0.93
Fluoranthene	CE087 ^M	mg/kg	4.63
Pyrene	CE087 ^M	mg/kg	4.58
Benzo(a)anthracene	CE087 ^U	mg/kg	2.04
Chrysene	CE087 ^M	mg/kg	1.99
Benzo(b)fluoranthene	CE087 ^M	mg/kg	1.95
Benzo(k)fluoranthene	CE087 ^M	mg/kg	0.79
Benzo(a)pyrene	CE087 ^U	mg/kg	1.64
Indeno(123cd)pyrene	CE087 ^M	mg/kg	1.12
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.22
Benzo(ghi)perylene	CE087 ^M	mg/kg	0.98
PAH (total of USEPA 16)	CE087	mg/kg	26.2
TPH			
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	16

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SOILS

Lab number Sample id Depth (m) Date sampled			98200-1 Stockpile 1 - 06/07/2021
Test	Method	Units	
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	11
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	46
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10
Total Aromatic (>C5-C44)	CE225	mg/kg	27
Total Aliphatic (>C5-C44)	CE225	mg/kg	46
Total Aliphatic/Aromatic (>C5-C44)	CE225	mg/kg	73
Volatiles			
Vinyl chloride	CE174	mg/kg	<0.01
1,1-Dichloroethene	CE174	mg/kg	<0.01
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01
1,1,1-Trichloroethane	CE174	mg/kg	<0.01
Carbon tetrachloride	CE174	mg/kg	<0.01
1,2-Dichloroethane	CE174	mg/kg	<0.01
Trichloroethene	CE174	mg/kg	<0.01
1,1,2-Trichloroethane	CE174	mg/kg	<0.01
Tetrachloroethene	CE174	mg/kg	<0.01
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01
Subcontracted analysis			
Asbestos (qualitative)	\$	-	NAD

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE127	Arsenic (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg As
CE127	Barium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Ba
CE127	Cadmium (total)	Aqua regia digest, ICP-MS	Dry	M	0.2	mg/kg Cd
CE127	Chromium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cr
CE127	Copper (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cu
CE127	Lead (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Pb
CE127	Mercury (total)	Aqua regia digest, ICP-MS	Dry	M	0.5	mg/kg Hg
CE127	Nickel (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Ni
CE127	Vanadium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg V
CE127	Zinc (total)	Aqua regia digest, ICP-MS	Dry	M	5	mg/kg Zn
CE004	pH	Based on BS 1377, pH Meter	As received	M	-	units
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	100	mg/kg SO ₄
CE077	Cyanide (free)	Extraction, Continuous Flow Colorimetry	As received		1	mg/kg CN
CE077	Cyanide (total)	Extraction, Continuous Flow Colorimetry	As received		1	mg/kg CN
CE078	Phenols (total)	Extraction, Continuous Flow Colorimetry	As received		0.5	mg/kg PhOH
CE087	Naphthalene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Fluorene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Phenanthrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(a)anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Chrysene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(b)fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(k)fluoranthene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(a)pyrene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Indeno(123cd)pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Dibenz(ah)anthracene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(ghi)perylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	PAH (total of USEPA 16)	Solvent extraction, GC-MS	As received		0.34	mg/kg
CE067	VPH Aromatic (>EC5-EC7)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC7-EC8)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC8-EC10)	Headspace GC-FID	As received		0.01	mg/kg
CE068	EPH Aromatic (>EC10-EC12)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC12-EC16)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC16-EC21)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC21-EC35)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC35-EC44)	Solvent extraction, GC-FID	As received		1	mg/kg
CE067	VPH Aliphatic (>C5-C6)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C6-C8)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C8-C10)	Headspace GC-FID	As received		0.1	mg/kg
CE068	EPH Aliphatic (>C10-C12)	Solvent extraction, GC-FID	As received		4	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE068	EPH Aliphatic (>C12-C16)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C16-C35)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C35-C44)	Solvent extraction, GC-FID	As received		10	mg/kg
CE225	Total Aliphatic (>C5-C44)	Sum of Aliphatic VPH (>C5-C10) & EPH (>C10-C44)	As received		16	mg/kg
CE225	Total Aromatic (>C5-C44)	Sum of Aromatic VPH (>C5-C10) & EPH (>C10-C44)	As received		16	mg/kg
CE225	Total Aliphatic/Aromatic (>C5-C44)	Sum of Aliphatic & Aromatic VPH (>C5-C10) & EPH (>C10-C44)	As received		16	mg/kg
CE174	Vinyl chloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trans-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Cis-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Carbon tetrachloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,2-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Tetrachloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1,2-Tetrachloroethane	Headspace GC-MS	As received		0.01	mg/kg
\$	Asbestos (qualitative)	HSG 248, Microscopy	Dry	U	-	-

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DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
98200-1	Stockpile 1	-	N	

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Email: enquiries@dhiexcavations.co.uk Web: www.dhiexcavations.co.uk

Collection / Delivery NoteNo: **238191**Date: **18-8-21**

WCL No: CB/DU181466

SIC CODE:

Customer:

BDB

Location:

Cathedral, Victoria St, MCR

Vehicle Reg:

PN20E25

Driver Name:

Leaky

Vehicle Type:

8W TIPPER

6W GRAB

8W GRAB

OTHER

Material:

Weight: Weight:

TONNE / KG

DELAYS OR WAITING TIME

**Screenable
Muck
away**

Gross:

ARR

DEP

HR

Tare:

REASON FOR DELAY:

EWC Code:

Net:

17-05-04

Daywork:

Hours Worked:

Travel Time:

Total Time:

Consignee Signature:

Time:

Print Name:

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



We are currently working on improving the Public Registers Online services. You can help us identify potential areas for improvement by completing the following short survey (<https://forms.office.com/r/5MHVYHpZt4>). Thank you to all those who have provided their feedback so far.

BETA This is a trial service – your feedback (<mailto:enquiries@environment-agency.gov.uk>) will help us to improve it.

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/ Result from Waste Carriers and Brokers Public Register for England

Registration CBDU181466 – DHI EXCAVATIONS LIMITED

Registration number	CBDU181466
Business name	DHI EXCAVATIONS LIMITED
Company number	06617424 (http://business.data.gov.uk/id/company/06617424)
Registered as	Carrier, Broker, Dealer - Upper Tier ▶ Help with tier types
Applicant type	Company
Registration date:	10/06/2020
Expiry date:	16/07/2023

Business address

Address	FARNWORTH SNOOKER & SOCIAL CLUB, CHURCH STREET, BOLTON, BL4 8AG
Postcode	BL4 8AG (http://data.ordnancesurvey.co.uk/id/postcodeunit/BL48AG)

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BETA This is a trial service – your feedback (<mailto:enquiries@environment-agency.gov.uk>) will help us to improve it.

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Registration WEX241111 – Park House Services NW Ltd

Registration number	WEX241111
Organisation name	Park House Services NW Ltd
Organisation address	LOWER GOLLINROD FARM, GOLLINROD, BURY, BL9 5NB
Organisation postcode	BL9 5NB (http://data.ordnancesurvey.co.uk/id/postcodeunit/BL95NB)

Site

Site grid reference	SD 71912 20354
Exemption T6	Exemption Treating waste wood and waste plant matter by chipping, shredding, cutting or pulverising (https://www.gov.uk/guidance/waste-exemption-t6-treating-waste-wood-and-waste-plant-matter-by-chipping-shredding-cutting-or-pulverising) ⓘ Registration date 18/05/2020 Expiry date 17/05/2023
Exemption U1	Exemption Use of waste in construction (https://www.gov.uk/guidance/waste-exemptions-using-waste) ⓘ Registration date 18/05/2020 Expiry date 17/05/2023
Exemption U10	Exemption Spreading waste to benefit agricultural land (https://www.gov.uk/guidance/waste-exemption-u10-spreading-waste-to-benefit-agricultural-land) ⓘ Registration date 18/05/2020 Expiry date 17/05/2023
Exemption U12	Exemption Using mulch (https://www.gov.uk/guidance/waste-exemption-u12-using-mulch) ⓘ Registration date 18/05/2020 Expiry date 17/05/2023

Exemption U13	Exemption	Spreading plant matter to provide benefits (https://www.gov.uk/guidance/waste-exemption-u13-spreading-plant-matter-to-provide-benefits) ⓘ
	Registration date	18/05/2020
	Expiry date	17/05/2023

Exemption U8	Exemption	Using waste for a specified purpose (https://www.gov.uk/guidance/waste-exemption-u8-using-waste-for-a-specified-purpose) ⓘ
	Registration date	18/05/2020
	Expiry date	17/05/2023

Back

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