

Our Ref: 14925/VR

Your Ref:

Contact: Mathew Lake

16th July 2021

M Delacey and Sons Ltd

For the Attention of: Mr Malcom Phillips

Dear Malcom,

HOTSPOT VALIDATION REPORT: ANUERIN CRESCENT, MERTHYR TYDFIL

1.0 Introduction

Merthyr Valley Homes (the Client) is proposing the development of land located off Aneurin Crescent, Merthyr Tydfil.

M Delacy and Sons Ltd are the appointed contractor for the development.

Previous investigations and assessments have identified that remediation of contamination is required for the development.

Terra Firma (Wales) Ltd provided a remediation strategy for the site (report ref 260120-14925/RS-ISSUE1). The strategy involved removal of a 5m by 5m area from the identified hotspot.

2.0 Groundworks

Given the sloping nature of the site, a large cut exercise was undertaken in order to construct the development. Made ground located across the site was only found to extend to 0.2m/0.4m depth below the original ground level. As such, all made ground was excavated and removed from site as part of the site development. Sections indicating the amount of cut are shown on the Architects proposed site plan which is attached to the rear of this letter.

During the groundworks, M Delacey and Sons Ltd appointed Moorland Environmental Ltd to undertake an asbestos litter pick of the hotspot area with the view of removing all asbestos containing material (ACM) from the area. During the litter pick, Moorland Environmental removed approximately 20 kg of Chrysotile cement. The consignment note for the removed ACM is presented in **Annex A**. During the litter pick, Moorland Environmental also observed the remaining site area following removal of the made ground to ensure no other areas were encountered.

3.0 Validation

Following removal of the asbestos and completion of site profiling, a Terra Firma (Wales) Ltd Engineer attended site on the 5th July 2021 to undertake a further visual inspection of the site soils and to

retrieve soil samples from the area of the former hotspot to confirm the removal of the asbestos contamination.

On inspection, it was evident that a significant amount of soil had been removed from the development site and that all made ground soils had been removed during reprofiling. Eight soil samples were taken from the area of the hotspot and submitted to the UKAS accredited laboratories of Eurofins Chemtest Ltd for asbestos identification testing. The test certificate is presented in **Annex B**. The locations of the samples are presented in **Drawing 01**. All samples tested for did not identify asbestos.

4.0 Conclusion

Following significant cut works across the site along with the site litter pick undertaken by Moorland Environmental, it can be concluded that all made ground and asbestos containing material has been removed from site, thus removing the contamination source and breaking the pollutant linkage. The site is therefore suitable for its intended residential end use.

Yours sincerely

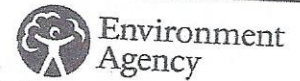
for: Terra Firma (Wales) Ltd



Mathew Lake

ANNEX A
ACM Consignment
Note

The Hazardous Waste Regulations 2005: Consignment Note



PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: **VN60UT/00099**

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):

*Greenwood Close, Merthyr
CF47 0SY*

3 The waste will be taken to (name, address and postcode):
**Moorland Environmental Ltd
Unit 43 Portmanmoor Road Industrial Estate
CF34 5HB**

4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):
**D J Hinton & Co Ltd, Road 2, Hoobrook Industrial Estate
Worcester Road, Kidderminster, DY10 1HY**

PART B Description of the waste

1 The process giving rise to the waste(s) was:

2 SIC (2007) for the process giving rise to the waste: **39 . 00 /**

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
Chrysotile	1 7 0 6 0 5	20Kg	Chrysotile	2-19%	Solid	HP7	Scaled Van
LITTER PICK.			DEBRIS				

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
1 7 0 6 0 5	2590	Chrysotile	9	III	CV13 CV28
		DEBRIS			

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here: ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are:

1 Carrier name: **D J Hintons & Company Ltd**
On behalf of (name, address, postcode, telephone, e-mail, facsimile):
**Road 2, Hoobrook Industrial Estate
Worcester Road, Kidderminster, DY10 1HY**

2 Carrier registration no./reason for exemption:
CBDU203198

3 Vehicle registration no. (or mode of transport, if not road): **VN60 UTJ**

Signature *[Signature]*

Date **21/6/21**

Time **12:30**

PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name:
On behalf of (name, address, postcode, telephone, e-mail, facsimile):

**Road 2, Hoobrook Industrial Estate
Worcester Road, Kidderminster, DY10 1HY**

Signature *[Signature]*

Date **21/6/21**

Time **16:30**

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
1 7 0 6 0 5		170605	

1 I received this waste at the address given in A3 on: Date

Time

2 Vehicle registration no. (or mode of transport if not road):

Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

**Moorland Environmental Ltd
Unit 43 Portmanmoor Road Industrial Estate
CF34 5HB**

3 Where waste is rejected please provide details:

I certify that waste permit/exempt waste operation number:

authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Signature

Date

Time

ANNEX C
Asbestos Test Report
– In-situ Testing



2183

Final Report

Report No.:	21-23257-1		
Initial Date of Issue:	13-Jul-2021		
Client	Terra Firma (Wales) Ltd		
Client Address:	5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA		
Contact(s):	mathew@terrafirmawales.co.uk		
Project	Anuerin Crescent		
Quotation No.:	Q18-15369	Date Received:	07-Jul-2021
Order No.:	16459	Date Instructed:	07-Jul-2021
No. of Samples:	8		
Turnaround (Wkdays):	6	Results Due:	14-Jul-2021
Date Approved:	13-Jul-2021		

Approved By:



Details: Glynn Harvey, Technical Manager

Results - Soil

Project: Anuerin Crescent

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				21-23257	21-23257	21-23257	21-23257	21-23257	21-23257	21-23257	21-23257	21-23257
Quotation No.: Q18-15369	Chemtest Sample ID.:				1235693	1235694	1235695	1235696	1235697	1235698	1235699	1235700	
	Client Sample ID.:				S1	S2	S3	S4	S5	S6	S7	S8	
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Date Sampled:				05-Jul-2021	05-Jul-2021	05-Jul-2021	05-Jul-2021	05-Jul-2021	05-Jul-2021	05-Jul-2021	05-Jul-2021	
	Time Sampled:				12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Test Methods

SOP	Title	Parameters included	Method summary
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

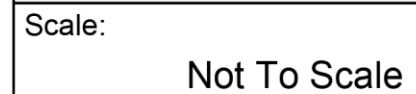
All soil samples will be retained for a period of 30 days from the date of receipt

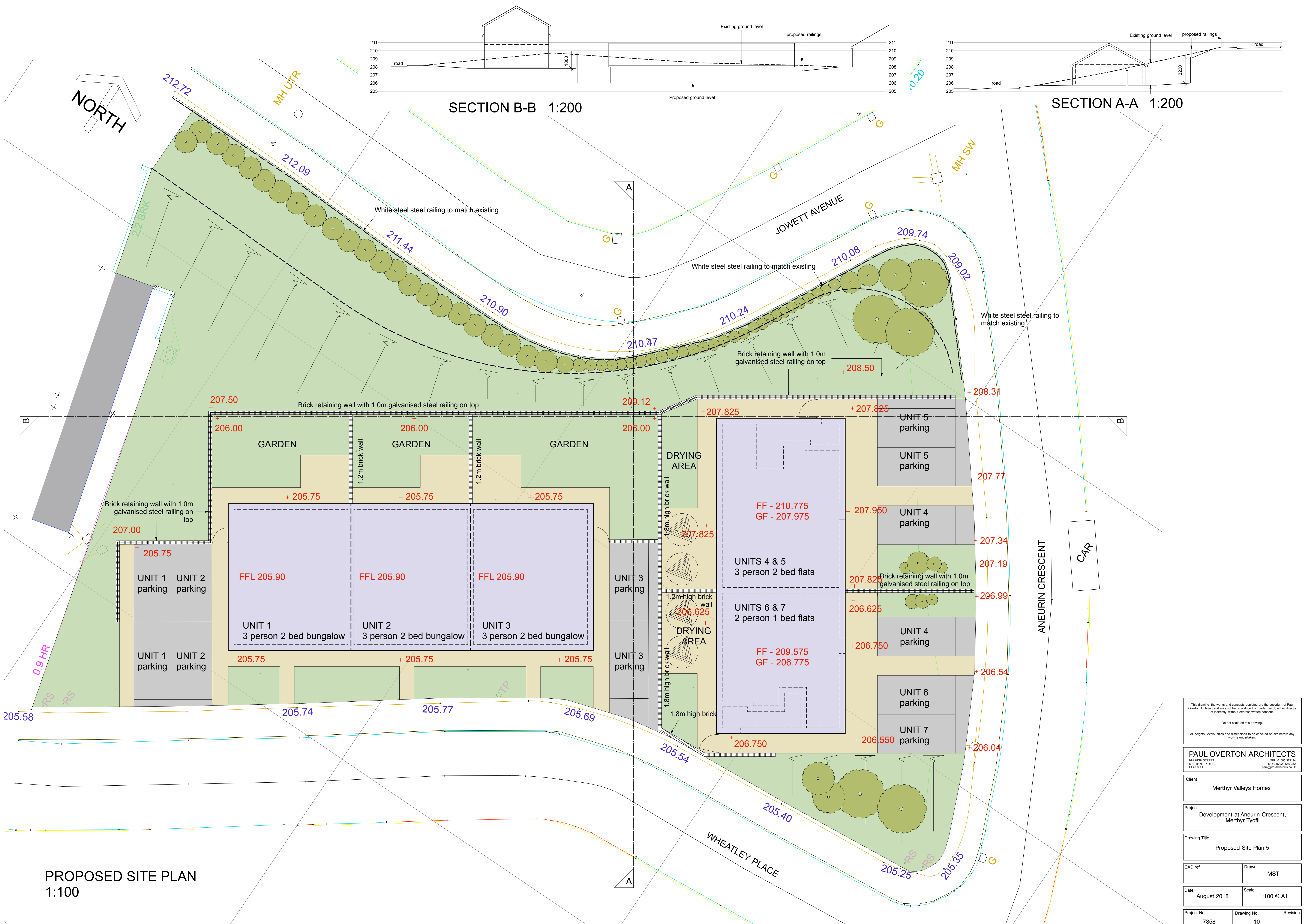
All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com





PROPOSED SITE PLAN
1:100

This drawing, the works and concepts depicted are the copyright of Paul Overton Architects and may not be reproduced or made use of either directly or indirectly, without express written consent.

Do not scale off this drawing.

All heights, levels, sizes and dimensions to be checked on site before any work is undertaken.

PAUL OVERTON ARCHITECTS
57A HIGH STREET
MERTHYR TYDFIL
CF47 8UD

TEL: 01495 311944
MOB: 07629 659 282
paul@overton-arch.co.uk

Client
Merthyr Valleys Homes

Project
Development at Aneurin Crescent,
Merthyr Tydfil

Drawing Title
Proposed Site Plan 5

CAD ref	Drawn
	MST

Date	Scale
August 2018	1:100 @ A1

Project No.	Drawing No.	Revision
7858	10	