

Report No	Date
25061/R2	April 2026
Project COED D'ARCY – PHASE 2 SOIL VERIFICATION REPORT: PLOTS 25,26, 30 TO 40, 46 TO 57	
Client TRJ	

**Spectrum Geo Services
Foxglove Cottage,
Cwm Risca Lane,
Tondu,
BRIDGEND
CF32 0EH**

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Issue Number	Status	Description of Amendments
1	Draft	
2	Final	
3	Final	

Report prepared by:
Signed  BSc.(Hons), MSc., FGS, CGeol

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FOREWORD

General Conditions Relating to a Verification Report

This investigation has been devised to generally comply with the relevant principles and requirements of B.S.10175:2011+A2:2017 'Investigation of potentially contaminated sites - Code of practice', science report SC050021/SR3 'Updated Technical Background to the CLEA Model' (Environment Agency, 2008), and DEFRA/Environment Agency (EA), 2019 'land contamination: risk management'. The recommendations made and opinions expressed in this report are based on the information obtained from the sources described using a methodology intended to provide reasonable consistency and robustness.

The opinions expressed in this report are based on the ground conditions revealed by the site works, together with an assessment of the site and of laboratory test results. Whilst opinions may be expressed relating to sub-soil conditions in parts of the site not investigated, for example between exploratory positions, these are only for guidance and no liability can be accepted for their accuracy.

Boring and sampling procedures are undertaken in accordance with B.S.5930:2015 +A1:2020 'Code of Practice for Ground Investigations'. Likewise, in-situ and laboratory testing complies with B.S.1377:1990 'Methods of Tests for Soils for Civil Engineering Purposes' and B.S.22475:2011, unless stated otherwise in the text. Chemical testing has been undertaken by a UKAS accredited laboratory.

Some items of the investigation have been provided by third parties and whilst Spectrum Geo Services Ltd (SGS) have no reason to doubt the accuracy, the items relied on have not been verified. No responsibility can be accepted for errors within third party items presented in this report.

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1.0 TERMS OF REFERENCE AND INTRODUCTION

The work covered by this document was undertaken on behalf of TRJ, in general accordance with and amendment to the following document:

- *BP Area 1 Remediation. Validation Report. 44382729/BRRP0004. URS 18 January 2010*

The work described in this report represents validation and verification of the required remediation, within that report, comprising soil chemistry limits set out within that report.

1.2 Scope of Works

The objectives of this Phase 2 assessment are:

- To verify the chemical nature of the soils at Plots 25, 26, 30 to 40, 46 to 57, to ensure compliance with the validation suite set out by URS on Page 41 of their Remediation Report.
- This verification/validation does not include gas membrane assessments by others.

1.3 Development Proposals

It is understood that the intention is to develop the site for the purposes of a residential use, with soft landscaped gardens.

1.4 Limitations

Subsoils are inherently variable and by their very nature are hidden from view such that no investigation can be exhaustive to the extent that all soil conditions are revealed. Conditions may therefore be present beneath the site that was not apparent from the data available for review.

Unless specifically noted to the contrary, it should be assumed that this report has not been submitted to any regulatory authorities for approval. Redevelopment sites in particular may have planning conditions attached in respect of contaminated land assessment. Where we are made aware of such conditions in advance of scoping the works, we can tailor the report to the regulatory authority requirements. Where we are not made aware of any such requirements there can be no certainty that

our investigation will meet any or all the regulatory authority requirements.

2.0 BACKGROUND INFORMATION

2.1 Validation Report Structure

This document has been set out as follows:

- A brief background of the site and nature of the remediation verification planned.
- A description of the activities undertaken.
- Concluding with an assessment of the compliance with the URS validation suites limits.
- Further Recommendations if deemed necessary.

2.2 Site Location

The site is located at Coed D'Arcy, the site of the former BP Llandarcy oil refinery.

At the time of the investigation, the site comprised an open area of partially developed residential units.

2.3 Previous Reports

SGS had previously investigated the site within:

- *Integral Geotechnique: Coed D'Arcy – Additional Drilling Investigation and Phase 3 Coal Mining Risk Assessment 30 September 2019*
- *Integral Geotechnique: Coed D'Arcy – Proof Drilling of Plots 31 November 2019*
- *Integral Geotechnique: Phase 2 Heritage Park, Coed D'Arcy – Planning Condition 11. Planning Application P2019/0021 13 December 2019*
- *BP Area 1 Remediation. Validation Report. 44382729/BRRP0004. URS 18 January 2010*

Following regulatory acceptance of the remediation strategy, the remediation of Area 1 was undertaken between 5 February 2007 and 29 June 2009. URS thence validated the remediated site, and proposed measures need for future validation of the site, once end use had been developed. These requirements are fully described in the appended URS Validation Report.

The main approved points for Area 1 were;

- a) Soils Validated to the agreed remedial criteria in the area excluding the Lower Car Park,
- b) In-situ validation of the soils prior to the final profiling (Report 25061_R1)
- c) Final validation of the soils within garden areas,
- d) Incorporation of passive venting and gas membranes beneath properties (not included in these reports, but verified by others.)

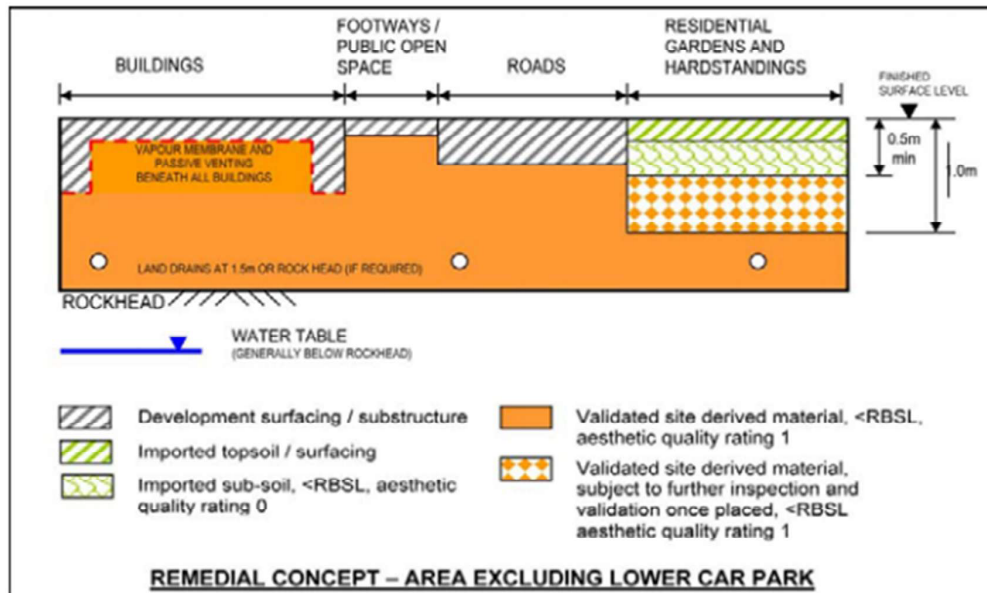
Thus, SGS undertook the following:

- i) Attend site to test and validate imported materials comprising the upper 500mm of imported topsoils validated site derived material, to inspect the thickness and compliance with the URS validation limits and to ensure the “no-dig” layer has been incorporated.

3.0 SOIL TESTING

3.1 Introduction

Testing of soils in accordance with the enclosed URS validation suite was undertaken at each of Area 1, Plots 25, 26, 30 to 40 and 46 to 57, to determine the soil chemistry values of the imported topsoil and sub-soil. The materials tested in this Phase 2, correspond with the following URS diagram, being the upper 500mm of “Imported Topsoil and Imported sub-soil”, as approved by NPT in the URS validation report.



Testing was undertaken at a UKAS accredited laboratory. The results are appended to this report, together with an assessment of those values related to the approved URS validation suite.

Parameter	All remaining soils, excavated surplus soils and imported material ¹ (mg/kg) Residential	Excavated treated granular material (mg/kg)
Asbestos (sum of all types)	200	200
Arsenic ²	64	The quality of the material was not be affected by its treatment, other than as regards the asbestos content. Testing of this material for parameters other than asbestos had previously been undertaken.
Cadmium	3.6	
Chromium	130	
Mercury ²	1	
Nickel ²	50	
Selenium	3	
Lead ²	337	
Vanadium	416	
Copper ²	478	
Zinc ³	3280	
Benzene	0.12	
Ethylbenzene	37	
Toluene	36	
Xylene	32	
Benzo(a)pyrene ^{2,4}	0.9	
1,2-Dichloroethane	0.04	
Dichloromethane	5	
Tetrachloroethene	11	
Trichloroethene	1	
Vinyl Chloride	0.01	

Parameter	All remaining soils, excavated surplus soils and imported material ¹ (mg/kg) Residential	Excavated treated granular material (mg/kg)
1,2-Dichloroethene	4	
1,1,1-Trichloroethane	154	
TPH	1,717	

Table 3: URS Soil Validation Limits

Site testing was undertaken on 13 March 2026, and comprised hand dug trial pits to approximately 500mm (no dog barrier) or rockhead. All locations noted Made Ground, with no hydrocarbon odours.

4.0 CONCLUSIONS

All test results were in accordance with the limits set out by URS within Table 3, with the exception of asbestos fibres at Plots 37, 47 and 50.

In general, the plots have a clean cover system as per the URS diagram, over a no dig barrier to a total of in excess of 500mm.

In advance of this, the three asbestos finds, will need hotspot removal, which will comprise removing a 2m square area at each, and testing the edges of each excavation to ensure the soils are compliant.

Asbestos removal will need to be undertaken in accordance with current guidelines.

APPENDIX A

Drawings

Site Boundary

Rev	Date	By	Chk	Description
01	15/04/2024	AP	AJP	Final Issue
02	20/02/2025	AP	AJP	Keylogged added, PE and ASHP added to all plots. Sheds and bin stores added in Plot 601 P601 SPEC.
03	22/04/2025	AP	AJP	EJP changed up to plots 28, 29, 35, 45 & 52.
04	18/06/2025	AP	AJP	Plots 10 & 71 moved sock 750mm to avoid all drain gulleys.
05	24/05/2025	AP	AJP	Drainways added to allow space for vehicles and trailers.

Rev	Date	By	Chk	Description
C01	15/04/2024	AP	AP	Final
C02	20/02/2025	AP	AP	Keylogged added, PT and ASIP added to all plots. Sheds and bin stores added in line with plots 28, 59C.
C03	22/04/2025	AP	AP	EV barging added to plots 28, 70, 35, 45 & 52.
C04	18/05/2025	AP	AP	Plot 70 & T1 moved sock 750mm to 400mm and all bags changed.
C05	24/05/2025	AP	AP	Drawings adjusted to allow space for scummers and inlets.

 Electric Meter Box
 EV Charging



Rotary Clothes Line



Project Name _____

Residential De
Coed Daicy P

Client Name

Drawing Title
Site Plan

Scale	1/100 @ A1	Project No.	9856
Status	C1	Purpose Of Issue	Issued for Construction
Project	11341 • RL • ZZ • 00 • DR • A	Orig	Vol
Number	0920	Revision	C05

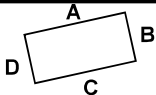
APPENDIX B

Soil Validation

Pit Logs

Comparison with URS Validation Limits

Trial Pit/Trench Description

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 25	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests				Strata			
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.30	ES		GL - 0.40	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
Groundwater Observations				Strike of Face A			deg
None observed				Length of Face A		0.4	m
				Width of Face B		0.4	m
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Remarks			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				No dig layer at 0.40m.			
ES Environmental Soil Sample				Logger's Signature			
EW Environmental Water Sample				PL			

Trial Pit/Trench Description

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 26
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

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[illegible]

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 30	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests			Strata				
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10	ES		GL - 0.20	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
0.50	ES						
			0.20 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill		
Groundwater Observations				Strike of Face A			deg
Inflow at base				Length of Face A		0.4	m
				Width of Face B		0.4	m
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Remarks			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				No dig layer at 0.60m.			
ES Environmental Soil Sample				Logger's Signature			
EW Environmental Water Sample				PL			

Trial Pit/Trench Description

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 31
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

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[illegible]

Groundwater Observations Inflow at base	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig layer at 0.60m.	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type: U Undisturbed, P Piston, D Disturbed, B Bulk, W Water ES Environmental Soil Sample EW Environmental Water Sample			Logger's Signature PL	

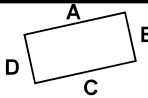
Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 32
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

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[illegible]

Groundwater Observations None observed	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig layer at 0.60m.	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type: U Undisturbed, P Piston, D Disturbed, B Bulk, W Water ES Environmental Soil Sample EW Environmental Water Sample			Logger's Signature PL	

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 33	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests			Strata				
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10	ES		GL - 0.20	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
0.40	ES						
			0.20 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill		
Groundwater Observations				Strike of Face A		deg	
None observed				Length of Face A		0.4 m	
				Width of Face B		0.4 m	
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Remarks			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				No dig layer at 0.60m.			
ES Environmental Soil Sample				Logger's Signature			
EW Environmental Water Sample				PL			

Trial Pit/Trench Description

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 36
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

[illegible][illegible]

Groundwater Observations None observed	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig layer at 0.55m	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type:			Logger's Signature PL	
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				
ES Environmental Soil Sample EW Environmental Water Sample				

Trial Pit/Trench Description

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 39
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

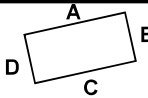
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Groundwater Observations None observed	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig layer at 0.60m.	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type:			Logger's Signature PL	
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				
ES Environmental Soil Sample EW Environmental Water Sample				

Project			Coed Darcy			Project No			25061		
Described by			PL			Trial Pit No			Plot 40		
Date			13.03.2026			Sheet No			1 of 1		
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)											
Samples and Tests						Strata					
Depth, m		Type & No	Results		Depth, m	Code	Description				
0.20		ES			GL - 0.30	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.				
0.50		ES									
					0.30 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill				
Groundwater Observations						Strike of Face A				deg	
None observed						Length of Face A		0.4		m	
						Width of Face B		0.4		m	
Method/plant						Hand tools		A B C D			
Stability						Stable					
Shoring						None					
Weather						Dry					
Sample Type:											
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water						Remarks					
ES Environmental Soil Sample											
EW Environmental Water Sample											
						Logger's Signature					
						PL					

Trial Pit/Trench Description

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 46	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests			Strata				
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.20	ES		GL - 0.30	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
0.50	ES						
			0.30 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill		
Groundwater Observations				Strike of Face A		deg	
None observed				Length of Face A		0.4 m	
				Width of Face B		0.4 m	
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Remarks			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				No dig layer at 0.60m.			
ES Environmental Soil Sample				Logger's Signature			
EW Environmental Water Sample				PL			

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 47
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

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[illegible]

Groundwater Observations None observed	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig layer at 0.60m.	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type: U Undisturbed, P Piston, D Disturbed, B Bulk, W Water ES Environmental Soil Sample EW Environmental Water Sample			Logger's Signature PL	

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 50
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

[illegible][illegible]

Trial Pit/Trench Description

Project	Coed Darcy	Project No	25061
Described by	PL	Trial Pit No	Plot 52
Date	13.03.2026	Sheet No	1 of 1

Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)

[illegible][illegible]

Groundwater Observations None observed	Strike of Face A		deg	
	Length of Face A	0.4	m	
	Width of Face B	0.4	m	
	Remarks			
Method/plant	Hand tools		No dig barrier at 0.60m.	
Stability	Stable			
Shoring	None			
Weather	Dry			
Sample Type:			Logger's Signature PL	
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				
ES Environmental Soil Sample EW Environmental Water Sample				

Trial Pit/Trench Description

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 54	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests			Strata				
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10	ES		GL - 0.20	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
0.40	ES						
			0.20 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill		
Groundwater Observations				Strike of Face A			deg
None observed				Length of Face A		0.4	m
				Width of Face B		0.4	m
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				No dig barrier at 0.60m.			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				Logger's Signature			
ES Environmental Soil Sample				PL			
EW Environmental Water Sample							

Trial Pit/Trench Description

Project		Coed Darcy		Project No		25061	
Described by		PL		Trial Pit No		Plot 56	
Date		13.03.2026		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests			Strata				
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10	ES		GL - 0.20	1	MADE GROUND: Grey and black silty SAND AND GRAVEL. Sand is sine to coarse. Gravel is angular fine to medium of limestone. Fill.		
0.50	ES						
			0.20 - 0.60	2	MADE GROUND: Brown and grey slightly sandy clayey subangular to subrounded fine to coarse GRAVEL of sandstone with low cobble content of subangular to subrounded sandstone. Fill		
Groundwater Observations				Strike of Face A			deg
None observed				Length of Face A		0.4	m
				Width of Face B		0.4	m
Method/plant				Hand tools			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				No dig barrier at 0.60m.			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				Logger's Signature			
ES Environmental Soil Sample				PL			
EW Environmental Water Sample							

[illegible][illegible][illegible][illegible]

Lab Sample ID	Client Sample No	Client Sample ID	Depth to Top	Depth to Bottom	Date Sampled	Sample Type	Units	Limit of Detection																												
26/04/04/24	40	0.50	0.20	0.50	0.10	0.50	0.10	0.50	0.10	0.50	0.10	0.50	0.10	0.50	0.10	0.50	0.10	0.50	0.10	0.40	0.10	0.40	0.10	0.50	0.10	0.50	0.10	0.50	0.10	26/04/04/24						
244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26	244Mn-26						
Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES	Soil-ES						
Sample Matrix Code								6A	4AE	6AE	5AE	6A	4A	6A	4AE	6A	4AE	6A	4AE	5A	4AE	5A	4AE	4AE	4AE	4AE	4A	4A	4A	4A	4A					
% w/w								mg/kg	1	5.9	<0.1	12.5	<0.1	13.1	32	<0.1	<0.1	31.6	<0.1	11	<0.1	14.4	<0.1	<0.1	<0.1	12.7	<0.1	29.3	<0.1	26.5	<0.1	<0.1				
Arsenic								mg/kg	1	3	7	2	10	3	8	4	7	2	6	5	8	4	8	5	4	10	4	6	4	7	3	3	3	3		
Cadmium								mg/kg	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Copper								mg/kg	1	16	18	11	17	18	27	22	23	13	16	26	19	14	27	19	28	27	16	21	15	18	16	18	16	18	16	
Chromium								mg/kg	1	18	18	11	17	18	27	22	23	13	16	26	19	14	27	19	28	27	16	21	15	18	16	18	16	18	16	
Lead								mg/kg	1	14	20	11	33	24	36	26	28	15	26	35	28	17	41	28	39	19	44	19	69	20	34	16	30	16	30	
Mercury								mg/kg	0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.34	<0.17	<0.34	<0.17	<0.34	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	
Nickel								mg/kg	1	21	24	13	16	16	20	23	16	15	24	20	24	16	27	21	24	18	22	13	23	13	23	13	23	13	23	13
Selenium								mg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Vanadium								mg/kg	1	14	9	15	5	16	7	13	10	14	6	14	18	9	8	21	9	13	8	14	9	10	8	10	8	10	8	
Zinc								mg/kg	1	16	18	11	17	18	27	22	23	13	16	26	19	14	27	19	28	27	16	21	15	18	16	18	16	18	16	
1,1,1-Trichloroethane								µg/kg	0.04	<0.04	<0.04	<0.04	<0.04	0.35	0.35	0.42	0.29	0.29	0.35	0.72	0.85	0.69	0.46	1.22	0.85	0.69	1.13	0.72	0.72	0.72	0.72	0.72	0.72			
Vinyl Chloride								µg/kg	0.04	<0.04	<0.04	<0.04	<0.04	0.14	0.14	<0.04	<0.04	0.13	<0.04	0.06	<0.04	0.07	<0.04	<0.04	<0.04	1.27	<0.04	0.42	<0.04	0.43	<0.04	<0.04	<0.04	<0.04		
(Chloroethene)								µg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Dichloromethane								µg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
1,1,2-Trichloroethane								µg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
1,2-Dichloroethane								µg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Tetrachloroethene								µg/kg	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	

Asbestos in Soil (inc. matrix) *																														
Asbestos in soil																														
Asbestos Matrix (visual)																														
Asbestos Matrix (microscope)																														
Asbestos ACM - Suitable for Water Absorption Test?																														

Lab Sample ID	Limit of Detection			250400448
Client Sample No				
Client Sample ID				
Depth to Top				
Depth to Bottom				
Date Sampled	24-Mar-26			
Sample Type	Soil - ES			
Sample Matrix Code	5AE			
% Stores >10mm	% w/w	0.1	17.9	
Arsenic	mg/kg	1	9	
Cadmium	mg/kg	1	<1.0	
Copper	mg/kg	1	50	
Chromium	mg/kg	1	430	
Lead	mg/kg	0.17	<0.17	
Mercury	mg/kg	1	16	
Nickel	mg/kg	1	<1	
Selenium	mg/kg	1	11	
Vanadium	mg/kg	1	186	
Zinc	mg/kg	0.04	0.27	
Chloroform	µg/kg	1	<1	
Vinyl Chloride	µg/kg	5	<5	
(Chloroethene)	µg/kg	1	<1	
Dichloromethane	µg/kg	1	<1	
cis 1,2-Dichloroethene	µg/kg	1	<1	
1,1,1-Trichloroethane	µg/kg	2	<1	
1,1,2-Trichloroethane	µg/kg	1	<1	
Trichloroethene	µg/kg	1	<1	
Tetrachloroethene	µg/kg	1	<1	

Asbestos in Soil (inc. matrix)		
Asbestos in soil		
Asbestos Matrix (visual)		NAD
Asbestos Matrix (microscope)		-
Asbestos ACM - Suitable for asbestos removal test?		-
Asbestos in Soil Quantification % (Hand Picking & Weighing)		
Asbestos in soil % composition (hand picking and weighing)	% w/w	0.001

TPH CWS with Clean Up		
Al >C5-C6	mg/kg	0.01
Al >C6-C8	mg/kg	0.01
Al >C9-C10	mg/kg	1
Al >C10-C12	mg/kg	1
Al >C12-C16	mg/kg	1
Al >C16-C21	mg/kg	1
Al >C21-C35	mg/kg	1
Total Alkanatics	mg/kg	1
Aro >C5-C8	mg/kg	0.01
Aro >C9-C10	mg/kg	0.01
Aro >C8-C10	mg/kg	1
Aro >C10-C12	mg/kg	1
Aro >C12-C16	mg/kg	1
Aro >C16-C21	mg/kg	1
Aro >C21-C35	mg/kg	1
Total Aromatics	mg/kg	1
TPH (Al & Aro >C5-C35)	mg/kg	1
BTEX-Benzene	mg/kg	0.01
BTEX-Toluene	mg/kg	0.01
BTEX-ethyl Benzene	mg/kg	0.01
BTEX-m & p Xylene	mg/kg	0.01
BTEX-o Xylene	mg/kg	0.01
MTBE	mg/kg	0.01