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Analytical Report Number : 25-059540

Replaces Analytical Report Number: 25-059540, issue no. 1

Additional analysis undertaken.

Asbestos Quantification added to samples 738513, 14, 15, 16 & 17 as per client's request.

Project / Site name:	Neath Abbey	Samples received on:	03/11/2025
Your job number:	14511	Samples instructed on/ Analysis started on:	03/11/2025
Your order number:	14511-JJ	Analysis completed by:	20/11/2025
Report Issue Number:	2	Report issued on:	20/11/2025
Samples Analysed:	5 soil samples - 2 bulk samples		



Signed:

Trevor Hill
Customer Service
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

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

Analytical Report Number: 25-059540

Project / Site name: Neath Abbey

Your Order No: 14511-JJ

Lab Sample Number	738513	738514	738515	738516	738517
Sample Reference	SA1	SA2	SA3	TP1	TP3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.40	0.50	0.40	0.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	0900	1000	1100	1200	1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	54.7	< 0.1	44.8	34.2
Moisture Content	%	0.01	NONE	12	8	15	8.1	9.9
Total mass of sample received	kg	0.1	NONE	1.6	1.6	1.2	1.3	0.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	JWU	JWU	JWU	JWU	JWU
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025	11/11/2025	11/11/2025	11/11/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected

Asbestos % by hand picking/weighing	%	0.001	ISO 17025	< 0.001	< 0.001	< 0.001	0.002	< 0.001
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Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Loose Fibres	Loose Fibres	Loose Fibres	Loose Fibrous Debris	Loose Fibres
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General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8	8.1	7.8	8	8.1
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	620	480	660	610	510
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	65	50	48	28	57
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0325	0.0252	0.0239	0.0137	0.0287
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	32.5	25.2	23.9	13.7	28.7
Sulphide	mg/kg	1	MCERTS	< 1.0	52	16	26	28
Total Sulphur	mg/kg	50	MCERTS	480	330	530	370	590
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.9	1	3.2	1	1.7
Loss on Ignition @ 450°C	%	0.2	MCERTS	4.8	2.2	6.8	2.7	3.5

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Your Order No: 14511-JJ

Lab Sample Number				738513	738514	738515	738516	738517
Sample Reference				SA1	SA2	SA3	TP1	TP3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.40	0.50	0.40	0.50
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				0900	1000	1100	1200	1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.19	0.44	0.25	0.34	0.37
Acenaphthylene	mg/kg	0.05	MCERTS	0.12	0.17	0.1	< 0.05	0.17
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.13	0.12	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.11	0.13	0.13	0.15	0.07
Phenanthrene	mg/kg	0.05	MCERTS	0.69	1.2	1.7	1.3	1
Anthracene	mg/kg	0.05	MCERTS	0.2	0.3	0.35	0.31	0.21
Fluoranthene	mg/kg	0.05	MCERTS	1.1	2	3	1.4	1.8
Pyrene	mg/kg	0.05	MCERTS	0.94	1.8	2.7	1.3	1.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.61	1.1	1.6	0.85	1.2
Chrysene	mg/kg	0.05	MCERTS	0.84	1.3	1.9	0.83	1.4
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.9	1.4	2.1	0.95	1.7
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.35	0.54	0.93	0.33	0.68
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.57	1.1	1.5	0.69	1.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.33	0.66	0.83	0.36	0.64
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.11	0.11	0.19	0.09	0.13
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.39	0.78	0.88	0.37	0.74

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	7.46	13	18.2	9.36	12.9
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	39	25	75	19	32
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.6	0.47	0.87	0.34	0.66
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9	0.5	1	0.5	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.9	0.6	2.2	0.5	1
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	U/S ^{U/S} g	< 1.8	< 1.8
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	-	-	< 1.80	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	11	29	11	29
Copper (aqua regia extractable)	mg/kg	1	MCERTS	180	74	190	50	75
Lead (aqua regia extractable)	mg/kg	1	MCERTS	100	53	350	93	220
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	14	25	9	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.3	1.3	1.6
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	20	14	31	13	24
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	230	160	650	120	450

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Your Order No: 14511-JJ

Lab Sample Number	738513	738514	738515	738516	738517
Sample Reference	SA1	SA2	SA3	TP1	TP3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.40	0.50	0.40	0.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	0900	1000	1100	1200	1400
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	4.9
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	14
TPHCWG - Aliphatic >EC16 - EC35 _{EH_CU_1D_AL}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	120
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	110
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	64
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	130
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	190

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0 ^{##}	< 2.0	< 2.0	< 2.0 ^{##}	3.5
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10 ^{##}	< 10	< 10	< 10 ^{##}	53
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	170
TPHCWG - Aromatic >EC35 - EC40 _{EH_CU_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	36
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	56
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	220
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	280

TPH Total >EC5 - EC44 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	470
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Analytical Report Number: **25-059540**
 Project / Site name: **Neath Abbey**
 Your Order No: **14511-JJ**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

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

Quantitative Analysis

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

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

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

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample	Analysis completed	Analyst ID
738513	SA1	0.50-	260	Loose Fibres	Chrysotile	< 0.001	< 0.001	20/11/2025	MMI
738514	SA2	0.40-	295	Loose Fibres	Chrysotile	< 0.001	< 0.001	20/11/2025	MMI
738515	SA3	0.50-	225	Loose Fibres	Chrysotile	< 0.001	< 0.001	20/11/2025	DKI
738516	TP1	0.40-	290	Loose Fibrous Debris	Chrysotile	0.002	0.002	20/11/2025	DKI
738517	TP3	0.50-	270	Loose Fibres	Chrysotile	< 0.001	< 0.001	20/11/2025	DKI

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

Analytical Report Number: 25-059540

Project / Site name: Neath Abbey

Your Order No: 14511-JJ

Lab Sample Number				738518	738519
Sample Reference				SA2 ACM1	SA3 ACM2
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.40	0.50
Date Sampled				30/10/2025	30/10/2025
Time Taken				1000	1100
Analytical Parameter (Bulk Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Asbestos

Asbestos in bulks	Type	N/A	ISO 17025	Detected	Detected
Asbestos Analyst ID	N/A	N/A	N/A	JWU	JWU
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025
Actinolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Amosite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Anthophyllite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Chrysotile detected	Type	N/A	ISO 17025	Detected	Detected
Crocidolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Tremolite detected	Type	N/A	ISO 17025	Not-detected	Not-detected

Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	Asbestos Cement	Asbestos Cement
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U/S = Unsuitable Sample I/S = Insufficient Sample

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
738513	SA1	None Supplied	0.5	Brown clay and loam with gravel and vegetation
738514	SA2	None Supplied	0.4	Brown clay and loam with stones and vegetation
738515	SA3	None Supplied	0.5	Brown loam and clay with vegetation and gravel
738516	TP1	None Supplied	0.4	Brown loam and clay with vegetation and stones
738517	TP3	None Supplied	0.5	Brown loam and clay with gravel and stones

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Asbestos identification in Bulks	Asbestos Identification in bulk material with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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

##- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

APPENDIX H

LABORATORY GEOTECHNICAL TEST RESULTS



Laboratory Report



Contract Number: 82381

Client Ref: **14511**

Client PO: **14511**

Date Received: **06-11-2025**

Date Completed: **24-11-2025**

Report Date: **24-11-2025**

Client: **Integral Geotechnique (Wales) Limited**

This report has been checked and approved by:

Contract Title: **Neath Abbey**

For the attention of: **Jack Jones**

Shaun Jones
Laboratory manager

Description	Qty
Determination of water content BS EN ISO 17892-1:2014 - * UKAS	4
1 point Liquid & Plastic Limit.. BS EN ISO 17892-12 - * UKAS	4
Water Soluble Sulphate 2:1 extract Sub-contracted Test In-house method#	4
pH value of soil Sub-contracted Test - In-house method#	4

Notes: Observations and Interpretations are outside the UKAS Accreditation

* - denotes test included in laboratory scope of accreditation

- denotes test carried out by approved contractor

@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This test report/certificate shall not be reproduced except in full, without the approval of GEO Site & Testing Services Ltd. Any opinions or interpretations stated - within this report/certificate are excluded from the laboratories UKAS accreditation.

Approved Signatories:

Brendan Evans (Business Support Co-ordinator) - Darren Bourne (Quality Senior Technician) - Jason Jenkins (Business Development Manager)

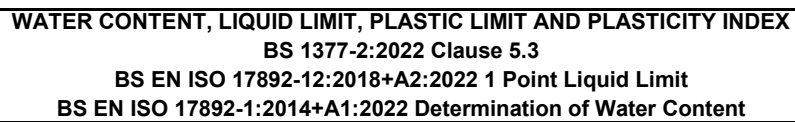
Luke Williams (Senior Laboratory Technician) - Paul Evans (Director) - Richard John (Quality/Technical Manager)

Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Wayne Honey (HR & HSE Manager)

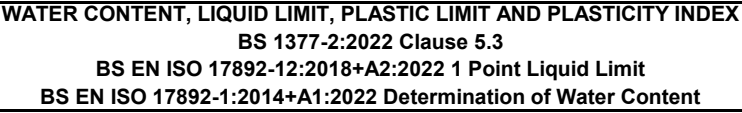
GEO Site & Testing Services Ltd

Unit 3-4 Heol Aur, Dafen Ind Est, Llanelli, Carmarthenshire SA14 8QN

Tel: 01554 784 040 Fax: 01554 784 040 info@gstl.co.uk https://gstl.co.uk

[illegible]

Operator
Conor. D



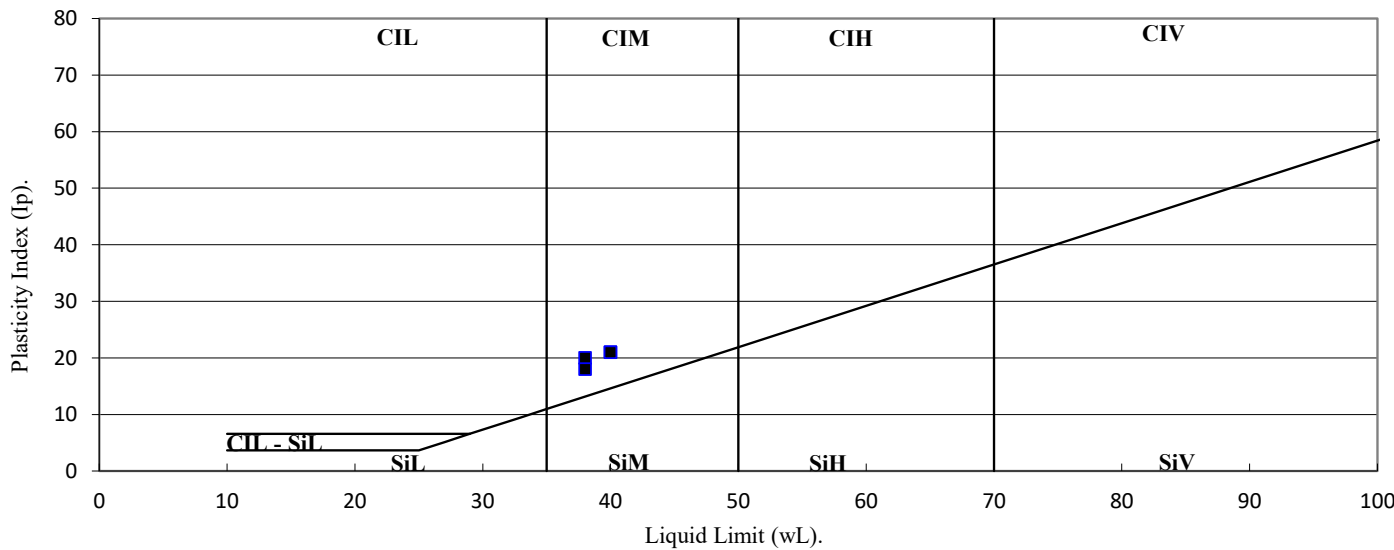
Contract Number	82381	
Project Name	Neath Abbey	
Date Tested	17/11/2025	
Test Comments	80g/30° Fall cone used	

[illegible]

SYMBOLS : NP = Non Plastic

PLASTICITY CHART

BS EN ISO 14688-2:2018 Clause 4.4



***For sample descriptions please see sample descriptions sheet**

Operator
Conor. D

Analytical Test Report **L25/12126/GSL/25-90603**

Clients Project Reference Neath Abbey (14511)

Clients Order Number 82381

Sample(s) Analysed 4

Sample(s) received / instructed 13/11/2025 / 13/11/2025

Sample(s) Tested 13/11/2025 to 21/11/2025

Report issued 24/11/2025

Report issue number 1

Tested on Behalf of

GSTL
Unit 3-4 Heol Aur
Dafen Ind Estate
Dafen

SA14 8QN

Signed



James Gane
Analytical Services Manager

Notes:

General

This report shall not be reproduce except in full

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples were supplied by customer, results apply to the samples as received.

Samples will be retained for 14 days after issue of this report unless otherwise requested.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

U = UKAS Accreditation, M = MCERTS Accreditation, N = Unaccredited, SC = Subcontracted

L25/12126/GSL/25-90603

Neath Abbey (14511)

Analytical Test Results - ENV Analysis Soils

Lab Reference	639993	639994	639995	639996
Client Sample ID	-	-	-	-
Client Sample Location	SA3	TP05	TP02	TP03
Client Sample Type	-	-	-	-
Client Sample Number	2	2	2	2
Depth - Top (m)	1.4	1.7	1	1.5
Depth - Bottom (m)	1.4	1.7	1.5	1.5
Date of Sampling	-	-	-	-
Time of Sampling	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay
Determinant	Units	LOD	Accreditation	
pH	pH units	1	M	7.2 7.2 7.3 7.5
Water Soluble Sulphate (as SO4)	mg/L	10	N	< 10 < 10 < 10 11

L25/12126/GSL/25-90603

Neath Abbey (14511)

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
639993	-	SA3	SOIL	-	Brown slightly gravelly slightly sandy silty clay	-	-	78
639994	-	TP05	SOIL	-	Brown slightly gravelly slightly sandy silty clay	-	-	100
639995	-	TP02	SOIL	-	Brown slightly sandy silty clay	-	-	100
639996	-	TP03	SOIL	-	Brown sandy gravelly silty clay	-	-	91

L25/12126/GSL/25-90603

Neath Abbey (14511)

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods Methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
1377PREP	BS1377 Prep			Sample preparation of Soil for testing in accordance with BS1377:Part 3
ANIONSEXS	MS - CL - Anions by Aquakem (E)		Passing 2mm test sieve	Extraction of soils for Anions analysis in accordance with MS - CL - Anions by Aquakem
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis

L25/12126/GSL/25-90603

Neath Abbey (14511)

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 2 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
639993		SA3	SOIL			A
639994		TP05	SOIL			A
639995		TP02	SOIL			A
639996		TP03	SOIL			A

APPENDIX I

IN-SITU GAS MONITORING RESULTS

FIELD GAS MONITORING RESULTS - SUMMARY

Job No.: 14511
 Site: CSN Engineering Site, Neath Abbey

Maximum Methane Concentration (%v/v)	Maximum Carbon Dioxide Concentration (%v/v)	Maximum Gas Concentration (%v/v)	Maximum Gas Flow Rate (l/hr)	GSV (l/hr)
<0.5	3.10	3.10	<0.3	<0.0093

Methane							
Location	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Maximum
WS 02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50
WS 04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50
WS 05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50

Carbon Dioxide							
Location	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Maximum
WS 02	1.80	1.90	2.20	1.40	1.60	1.70	2.20
WS 04	1.00	0.80	0.70	0.90	1.10	0.80	1.10
WS 05	2.80	2.50	3.10	2.80	2.70	1.80	3.10

Oxygen							
Location	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Minimum
WS 02	16.10	17.50	17.10	19.10	18.80	19.10	16.10
WS 04	18.60	18.20	18.90	19.20	18.10	17.80	17.80
WS 05	11.70	12.30	11.70	11.70	12.10	11.10	11.10

Gas Flow Rate							
Location	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Maximum
WS 02	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.30
WS 04	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.30
WS 05	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.30

FIELD GAS MONITORING RESULTS

Job No.: 14511
Site: CSN Engineering Site, Neath Abbey
Monitoring Date: 12.11.25
Monitoring Round: 1

Monitoring Conditions

Weather:	Light Rain	
Ambient Temp:	12	°C
Instrument:	GA5000	

Barometric Pressure (mb)

On Arrival:	1000
During Monitoring:	1000
End of Monitoring:	999

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %w/v		Methane % LEL		Oxygen (O2) %w/v		Carbon Dioxide (CO2) %w/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			16.10	17.00	1.80	1.60	<1	<1	<0.3	<0.1
WS 04	1.85	Dry	<0.5	<0.5			18.60	19.10	1.00	0.90	<1	<1	<0.3	0.10
WS 05	3.01	2.80	<0.5	<0.5			11.70	12.60	2.80	2.20	<1	<1	<0.3	<0.1
Typical Instrument Accuracy:														
%CH ₄	0-70% +/- 0.5%		CO	0-500ppm +/- 2% FS										
%CO ₂	0-60% +/- 0.5%		H ₂ S	0-5000ppm +/- 2.0% FS										
%O ₂	0-25% +/- 1.0%		Flow from borehole +/- 0.3l/h											
LEL = Lower Explosive Limit														
N/R = No Reading Taken														
FS = Full Scale														
Notes:														

FIELD GAS MONITORING RESULTS

Job No.: 14511
Site: CSN Engineering Site, Neath Abbey
Monitoring Date: 01.12.25
Monitoring Round: 2

Monitoring Conditions

Weather:	Raining	
Ambient Temp:	11	°C
Instrument:	GA5000	

Barometric Pressure (mb)

On Arrival:	987
During Monitoring:	987
End of Monitoring:	988

Location	Well Base Level	Water Level	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
	(mbgl)	(mbgl)	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			17.50	17.90	1.90	1.60	<1	<1	<0.3	0.10
WS 04	1.85	Dry	<0.5	<0.5			18.20	19.10	0.80	0.80	<1	<1	<0.3	0.10
WS 05	3.01	2.64	<0.5	<0.5			12.30	12.80	2.50	2.50	<1	<1	<0.3	<0.1
Typical Instrument Accuracy:														
%CH ₄	0-70% +/- 0.5%		CO	0-500ppm +/- 2% FS										LEL = Lower Explosive Limit
%CO ₂	0-60% +/- 0.5%		H ₂ S	0-5000ppm +/- 2.0% FS										N/R = No Reading Taken
%O ₂	0-25% +/- 1.0%		Flow from borehole +/- 0.3l/h											FS = Full Scale
Notes:														

FIELD GAS MONITORING RESULTS

Job No.: 14511
 Site: CSN Engineering Site, Neath Abbey
 Monitoring Date: 15.12.25
 Monitoring Round: 3

Monitoring Conditions

Weather: Light Rain
 Ambient Temp: 9 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 982
 During Monitoring: 982
 End of Monitoring: 982

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			17.10	17.10	2.20	2.10	<1	<1	<0.3	0.10
WS 04	1.85	Dry	<0.5	<0.5			18.90	18.90	0.70	0.70	<1	<1	<0.3	0.10
WS 05	3.01	2.54	<0.5	<0.5			11.70	11.80	3.10	3.10	<1	<1	<0.3	0.10
Typical Instrument Accuracy: %CH₄0-70% +/- 0.5% CO0-500ppm +/- 2% FS %CO₂0-60% +/- 0.5% H₂S0-5000ppm +/- 2.0% FS %O₂0-25% +/- 1.0% Flow from borehole +/- 0.3l/h LEL = Lower Explosive Limit N/R = No Reading Taken FS = Full Scale														
Notes: 														

FIELD GAS MONITORING RESULTS

Job No.: 14511
 Site: CSN Engineering Site, Neath Abbey
 Monitoring Date: 13.01.26
 Monitoring Round: 4

Monitoring Conditions

Weather: Sunny
 Ambient Temp: 9 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 996
 During Monitoring: 996
 End of Monitoring: 996

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			19.10	19.10	1.40	1.40	<1	<1	<0.3	0.20
WS 04	1.85	Dry	<0.5	<0.5			19.20	19.20	0.90	0.80	<1	<1	<0.3	0.10
WS 05	3.01	2.58	<0.5	<0.5			11.70	12.10	2.80	2.60	<1	<1	<0.3	<0.1
Typical Instrument Accuracy: %CH ₄ 0-70% +/- 0.5% CO 0-500ppm +/- 2% FS %CO ₂ 0-60% +/- 0.5% H ₂ S 0-5000ppm +/- 2.0% FS %O ₂ 0-25% +/- 1.0% Flow from borehole +/- 0.3l/h LEL = Lower Explosive Limit N/R = No Reading Taken FS = Full Scale														
Notes: 														

FIELD GAS MONITORING RESULTS

Job No.: 14511
 Site: CSN Engineering Site, Neath Abbey
 Monitoring Date: 06.02.26
 Monitoring Round: 5

Monitoring Conditions

Weather: Light Rain
 Ambient Temp: 10 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 968
 During Monitoring: 968
 End of Monitoring: 968

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			18.80	18.90	1.60	1.50	<1	<1	<0.3	0.10
WS 04	1.85	Dry	<0.5	<0.5			18.10	18.50	1.10	1.10	<1	<1	<0.3	<0.1
WS 05	3.01	2.47	<0.5	<0.5			12.10	12.80	2.70	2.40	<1	<1	<0.3	<0.1
Typical Instrument Accuracy: %CH ₄ 0-70% +/- 0.5% CO 0-500ppm +/- 2% FS %CO ₂ 0-60% +/- 0.5% H ₂ S 0-5000ppm +/- 2.0% FS %O ₂ 0-25% +/- 1.0% Flow from borehole +/- 0.3l/h LEL = Lower Explosive Limit N/R = No Reading Taken FS = Full Scale														
Notes: 														

FIELD GAS MONITORING RESULTS

Job No.: 14511
 Site: CSN Engineering Site, Neath Abbey
 Monitoring Date: 16.02.26
 Monitoring Round: 6

Monitoring Conditions

Weather: Sunny
 Ambient Temp: 9 °C
 Instrument: GA5000

Barometric Pressure (mb)

On Arrival: 996
 During Monitoring: 996
 End of Monitoring: 996

Location	Well Base Level (mbgl)	Water Level (mbgl)	Methane (CH4) %v/v		Methane % LEL		Oxygen (O2) %v/v		Carbon Dioxide (CO2) %v/v		Carbon Monoxide (CO) (ppm)	Hydrogen Sulphide (H2S) (ppm)	Peak Gas Flow (l/hr)	VOC Vapours (ppm>background)
			Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady				
WS 02	1.81	Dry	<0.5	<0.5			19.10	19.30	1.70	1.70	<1	<1	<0.3	0.10
WS 04	1.85	Dry	<0.5	<0.5			17.80	18.20	0.80	0.60	<1	<1	<0.3	<0.1
WS 05	3.01	2.52	<0.5	<0.5			11.10	12.30	1.80	1.70	<1	<1	<0.3	0.10

Typical Instrument Accuracy:

%CH ₄	0-70% +/- 0.5%	CO	0-500ppm +/- 2% FS	LEL = Lower Explosive Limit N/R = No Reading Taken FS = Full Scale
%CO ₂	0-60% +/- 0.5%	H ₂ S	0-5000ppm +/- 2.0% FS	
%O ₂	0-25% +/- 1.0%	Flow from borehole	+/- 0.3l/h	

Notes:

APPENDIX J

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS

SUMMARY OF LABORATORY SOIL TEST RESULTS

METALS AND SEMI-METALS

Job No.: 14511
 Site: CSN Engineering Site - Neath Abbey
 Soil Type: Made Ground
 Soil Organic Matter: 1%

No.	Location	Depth (m)	Arsenic (mg/kg)	Boron (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (Elemental) (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
1	SA1	0.50	39	0.9	0.6	0.9	13	< 1.8	180	100	< 0.3	16	< 1.0	20	230
2	SA2	0.40	25	0.5	0.47	0.6	11	< 1.8	74	53	< 0.3	14	< 1.0	14	160
3	SA3	0.50	75	1	0.87	2.2	29	< 1.8	190	350	< 0.3	25	1.3	31	650
4	TP1	0.40	19	0.5	0.34	0.5	11	< 1.8	50	93	< 0.3	9	1.3	13	120
5	TP3	0.50	32	0.5	0.66	1	29	< 1.8	75	220	< 0.3	18	1.6	24	450
Screening Criteria Value			640.0	240000.0	12.0	190.0	-	33.0	68000.0	2330.0	58.0	980.0	12000.0	9000.0	730000.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	-	S4UL	S4UL	C4SL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

INORGANIC CHEMICALS & OTHERS

Job No.: 14511
 Site: CSN Engineering Site - Neath Abbey
 Soil Type: Made Ground
 Soil Organic Matter: 1%

No.	Location	Depth (m)	Cyanide (mg/kg)	Loss on ignition, dried solids (%)	Moisture content at 30 C (%)	Phenol (mg/kg)	pH (pH units)	Water Soluble Sulphate (g/l)	Sulphate Total as SO4 (mg/kg)	Sulphide (mg/kg)	Total Sulphur (mg/kg)	TOC by Ignition in O2 (%)	Equivalent SOM (%)	Asbestos in Soil	Asbestos Quantification (%)
1	SA1	0.50	< 1.0	4.80	12.00	< 1.0	8.00	0.033	620.00	< 1.0	480.00	1.90	3.27	Detected	<0.001
2	SA2	0.40	< 1.0	2.20	8.00	< 1.0	8.10	0.025	480.00	52.00	330.00	1.00	1.72	Detected	<0.001
3	SA3	0.50	< 1.0	6.80	15.00	< 1.0	7.80	0.024	660.00	16.00	530.00	3.20	5.50	Detected	<0.001
4	TP1	0.40	< 1.0	2.70	8.10	< 1.0	8.00	0.014	610.00	26.00	370.00	1.00	1.72	Detected	0.002
5	TP3	0.50	< 1.0	3.50	9.90	< 1.0	8.10	0.029	510.00	28.00	590.00	1.70	2.92	Detected	<0.001
Screening Criteria Value			34.0	-	-	440.0	-	-	-	-	-	-	-	-	0.001
Source of Screening Criteria Value			ATRISK	-	-	S4UL	-	-	-	-	-	-	-	-	IOM

SUMMARY OF LABORATORY SOIL TEST RESULTS

POLYAROMATIC HYDROCARBONS (PAH)

Job No.: 14511
Site: CSN Engineering Site - Neath Abbey
Soil Type: Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(ghi)perylene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(ah)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(123cd)pyrene (mg/kg)	Naphthalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
1	SA1	0.50	< 0.05	0.12	0.2	0.61	0.57	0.9	0.39	0.35	0.84	0.11	1.1	0.11	0.33	0.19	0.69	0.94
2	SA2	0.40	< 0.05	0.17	0.3	1.1	1.1	1.4	0.78	0.54	1.3	0.11	2	0.13	0.66	0.44	1.2	1.8
3	SA3	0.50	0.13	0.1	0.35	1.6	1.5	2.1	0.88	0.93	1.9	0.19	3	0.13	0.83	0.25	1.7	2.7
4	TP1	0.40	0.12	< 0.05	0.31	0.85	0.69	0.95	0.37	0.33	0.83	0.09	1.4	0.15	0.36	0.34	1.3	1.3
5	TP3	0.50	< 0.05	0.17	0.21	1.2	1.2	1.7	0.74	0.68	1.4	0.13	1.8	0.07	0.64	0.37	1	1.6
Screening Criteria Value			84000.0	83000.0	520000.0	170.0	35.0	44.0	3900.0	1200.0	350.0	3.50	23000.0	63000.0	500.0	190.0	22000.0	54000.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL

SUMMARY OF LABORATORY SOIL TEST RESULTS

PETROLEUM HYDROCARBONS

Job No.: 14511
Site: CSN Engineering Site - Neath Abbey
Soil Type: Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Aliphatic C5-C6 (mg/kg)	Aliphatic C6-C8 (mg/kg)	Aliphatic C8-C10 (mg/kg)	Aliphatic C10- C12 EPH (mg/kg)	Aliphatic C12- C16 EPH (mg/kg)	Aliphatic C16-C35 EPH (mg/kg)	Aliphatic C35- C44 EPH (mg/kg)	Aromatic C5-C7 (mg/kg)	Aromatic C7-C8 (mg/kg)	Aromatic C8-C10 (mg/kg)	Aromatic C10- C12 EPH (mg/kg)	Aromatic C12- C16 EPH (mg/kg)	Aromatic C16- C21 EPH (mg/kg)	Aromatic C21- C35 EPH (mg/kg)	Aromatic C35- C40 EPH (mg/kg)
1	SA1	0.50	< 0.010	< 0.010	< 0.010	< 1.0	< 2.0	< 10	< 8.4	< 0.010	< 0.010	< 0.020	< 1.0	< 2.0	< 10	< 10	< 10
2	SA2	0.40	< 0.010	< 0.010	< 0.010	< 1.0	< 2.0	< 10	< 8.4	< 0.010	< 0.010	< 0.020	< 1.0	< 2.0	< 10	< 10	< 10
3	SA3	0.50	< 0.010	< 0.010	< 0.010	< 1.0	< 2.0	< 10	< 8.4	< 0.010	< 0.010	< 0.020	< 1.0	< 2.0	< 10	< 10	< 10
4	TP1	0.40	< 0.010	< 0.010	< 0.010	< 1.0	< 2.0	< 10	< 8.4	< 0.010	< 0.010	< 0.020	< 1.0	< 2.0	< 10	< 10	< 10
5	TP3	0.50	< 0.010	< 0.010	< 0.010	< 1.0	4.9	120	64	< 0.010	< 0.010	< 0.020	< 1.0	3.5	53	170	36
Screening Criteria Value			3200.0	7800.0	2000.0	9700.0	59000.0	1600000.0	1600000.0	27.0	56000.0	3500.0	16000.0	36000.0	28000.0	28000.0	28000.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL

FIGURES



Site Location

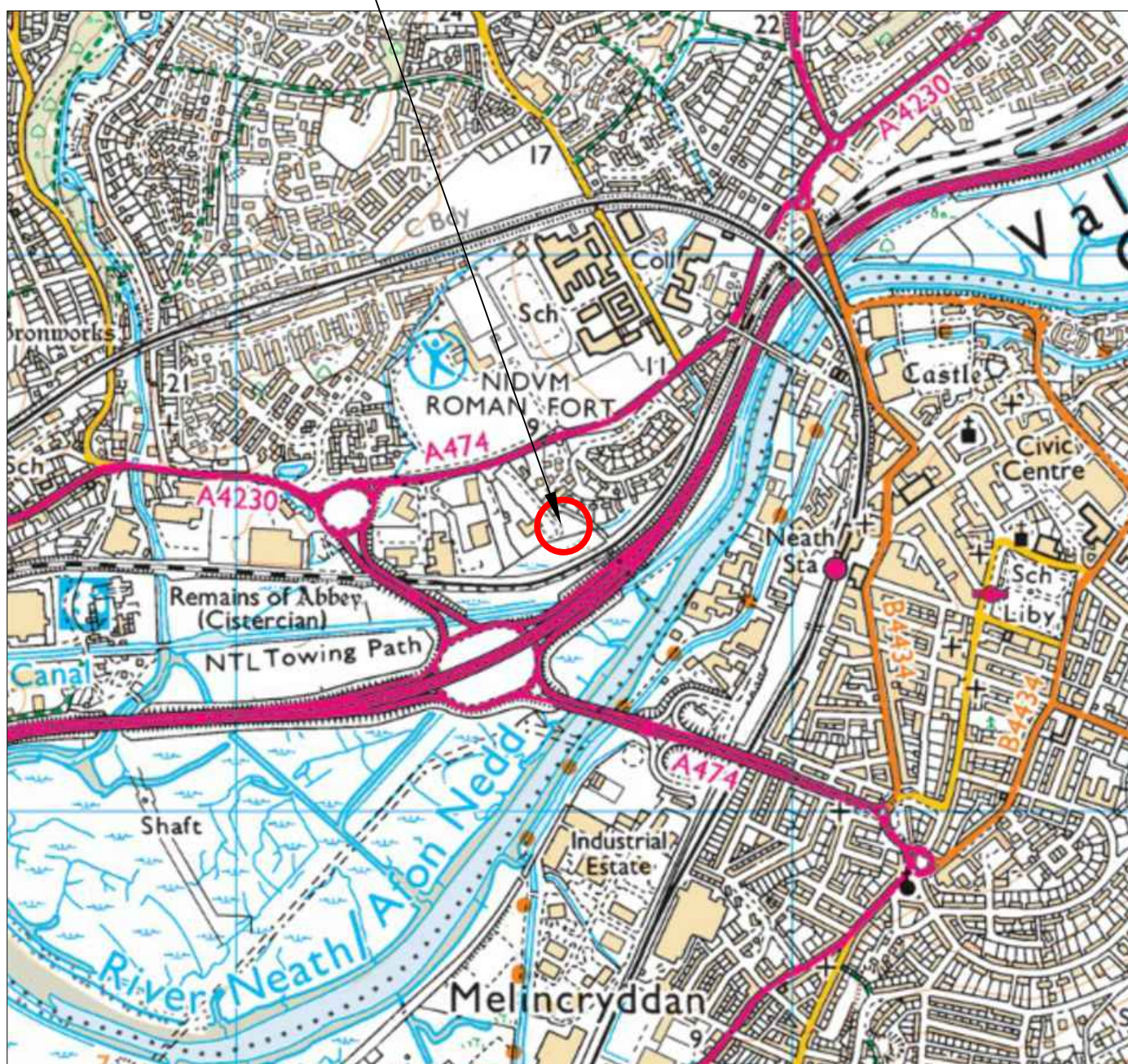


Figure 1: Site Location

Project: CSN Engineering Site, Neath Abbey

Job no.: 14511

Client: RWP Properties Limited

Scale: NTS

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Géotechnique

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7 Beddau Way,
Castlegate Business Park,
Caerphilly,
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Tel: 029 2080 7991



Figure 2: Exploratory Hole Location Plan

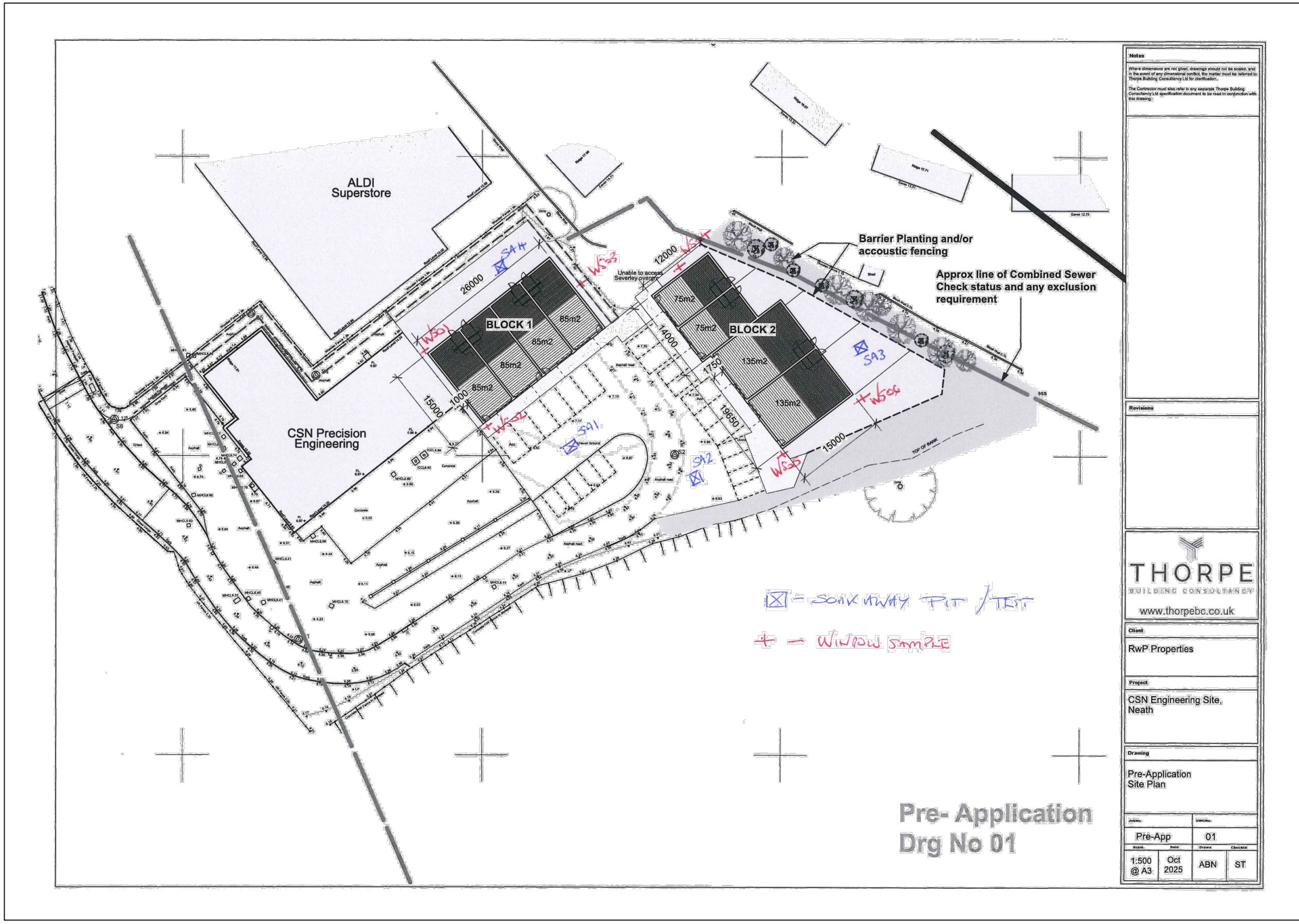


Figure 3: Proposed Development Plan

Project: CSN Engineering Site, Neath Abbey

Client: RWP Properties Limited

Job No.: 14511

Scale: NTS

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