

Date: 7th March 2025
Reference: 12-123-V58

COVER SYSTEM VALIDATION – BELLE VUE

Project Name:	Belle Vue
Project Number:	12-123
Client:	Countryside (Vistry)
Date:	28-02-2025
Project Manager:	N. Sellars
E3P Engineer:	S. Mulk
Plots:	Apartment Block 1 (POS 107-POS 112)

OVERVIEW

An E3P engineer attended the above site to validate the thickness of the cover system placed within the apartment landscaping for Block 1 (Plots 6-61) at Belle Vue.

Six hand-excavated trial pits were advanced, with the resulting strata detailed at the rear of this letter.

The trial pits were completed to highlight the required cover system of 300 mm (300 mm topsoil).

E3P can confirm that our independent validation demonstrates that the landscaped areas have been installed with 300 mm of certified topsoil under the NHBC requirements for a site of this nature.

A list of plots requiring validation and their associated validation letters is presented in Table 1 for reference.





TOPSOIL

Topsoil has been imported from the Bellway Homes site located off Rush Green Road, Lymm, WA13 9PR. Three samples have been tested which confirm that the topsoil is chemically suitable for use within the proposed landscaped areas. Chemical analysis results are included within lab report 25-06713 (attached to this letter). The topsoil has been imported from a greenfield source, therefore a sampling frequency of 1 sample per 200 m³ has been undertaken.

CHEMICAL ANALYSIS

TOPSOIL/SUBSOIL	SOURCE	LAB REFERENCE	SAMPLE REFERENCE	PASS/FAIL
Topsoil	Rush Green Road, Lymm	25-06713	TS101-TS103	PASS

The cover system validation photographs are enclosed within this letter. For information, Table 1 includes references and validation dates of previously validated plots.

Table 1 – Validation Letter Reference

PLOT NUMBER	REPORT NUMBER	DATE
1	V4	23rd June 2022
2	V4	23rd June 2022
3	V4	23rd June 2022
4	V3	23rd June 2022
5	V6	4th July 2022
Block 1 (Plots 6 – 61)	V58	28th February 2025
Block 2 (Plots 62 – 85)	V57	10th October 2024
86	V17	15th December 2022
87	V17	15th December 2022
88	V17	15th December 2022
89	V30	18th April 2023
90	V30	18th April 2023
91	V30	18th April 2023
92	V30	18th April 2023





PLOT NUMBER	REPORT NUMBER	DATE
93	V30	18th April 2023
94	V30	18th April 2023
95	V30	18th April 2023
96	V56	8th April 2024
97	V56	8th April 2024
98	V56	8th April 2024
99	V9	22nd September 2022
100	V9	22nd September 2022
101	V9	22nd September 2022
102	V9	22nd September 2022
103	V9	22nd September 2022
104	V10	23rd September 2022
105	V10	23rd September 2022
106	V11	27th September 2022
107	V11	27th September 2022
108	V11	27th September 2022
109	V11	27th September 2022
110	V13	24th October 2022
111	V15	14th November 2022
112	V15	14th November 2022
113	V18	16th December 2022
114	V18	16th December 2022





PLOT NUMBER	REPORT NUMBER	DATE
115	V18	16th December 2022
116	V18	16th December 2022
117	V18	16th December 2022
118	V18	16th December 2022
119	V18	16th December 2022
120	V18	16th December 2022
121	V18	16th December 2022
122	V18	16th December 2022
123	V18	16th December 2022
124	V18	16th December 2022
125	V20	30th January 2023
126	V20	30th January 2023
127	V20	30th January 2023
128	V20 V22	30th January 2023 14th February 2023
129	V22	14th February 2023
130	V25	1st March 2023
131	V25	1st March 2023
132	V25	1st March 2023
133	V25	1st March 2023
134	V25	1st March 2023
135	V25	1st March 2023
136	V16	5th December 2022





PLOT NUMBER	REPORT NUMBER	DATE
137	V16	5th December 2022
138	V16	5th December 2022
139	V16	5th December 2022
140	V14	14th November 2022
141	V14	14th November 2022
142	V14	14th November 2022
143	V12	28th September 2022
144	V12	28th September 2022
145	V12	28th September 2022
146	V9	22nd September 2022
147	V9	22nd September 2022
148	V8	25th August 2022
149	V8	25th August 2022
150	V7	23rd August 2022
151	V40	15th September 2023
152	V40	15th September 2023
153	V40	15th September 2023
154	V40	15th September 2023
155	V41	3rd October 2023
156	V45	20th October 2023
157	V46	15th November 2023
158	V46	15th November 2023





PLOT NUMBER	REPORT NUMBER	DATE
159	V47	16th November 2023
160	V47	16th November 2023
161	V53	11th December 2023
162	V53	11th December 2023
163	V35	29th June 2023
164	V35	29th June 2023
165	V33	6th June 2023
166	V33	6th June 2023
167	V23	16th February 2023
168	V19	24th January 2023
169	V19	24th January 2023
170	V23	16th February 2023
171	V29	17th April 2023
172	V29 & V32	7th April 2023 – 5th May 23
173	V32	5th May 2023
174	V32	5th May 2023
175	V32	5th May 2023
176	V32	5th May 2023
177	V32	5th May 2023
178	V28	17th March 2023
179	V28	17th March 2023
180	V28	17th March 2023





PLOT NUMBER	REPORT NUMBER	DATE
181	V27	10th March 2023
182	V27	10th March 2023
183	V28	17th March 2023
184	V24	21st February 2023
185	V24	21st February 2023
186	V26	3rd March 2023
187	V26	3rd March 2023
188	V31	20th April 2023
189	V29	17th April 2023
190	V29	17th April 2023
191	V21	February 2023
192	V21	February 2023
193	V19	24th January 2023
194	V22	14th February 2023
195	V22	14th February 2023
196	V22	14th February 2023
197	V22	14th February 2023
198	V22	14th February 2023
199	V22	14th February 2023
200	V22	14th February 2023
201	V22	14th February 2023
202	V22	14th February 2023





PLOT NUMBER	REPORT NUMBER	DATE
203	V22	14th February 2023
204	V33	6th June 2023
205	V33	6th June 2023
206	V33	6th June 2023
207	V33	6th June 2023
208	V34	19th June 2023
209	V34	19th June 2023
210	V35	29th June 2023
211	V35	29th June 2023
212	V36	27th July 2023
213	V36	27th July 2023
214	V55	13th February 2024
215	V54	8th February 2024
216	V54	8th February 2024
217	V52	8th December 2023
218	V52	8th December 2023
219	V52	8th December 2023
220	V37	9th August 2023
221	V39	18th August 2023
222	V39	18th August 2023
223	V51	7th December 2023
224	V51	7th December 2023





PLOT NUMBER	REPORT NUMBER	DATE
225	V50	1st December 2023
226	V48	22nd November 2023
227	V49	23rd November 2023
228	V47	16th November 2023
229	V48	22nd November 2023
230	V43	11th October 2023
231	V43	11th October 2023
232	V42	6th October 2023
233	V42	6th October 2023
234	V44	18th October 2023
235	V44	18th October 2023
236	V1	31st May 2022
237	V1	31st May 2022
238	V1	31st May 2022
239	V1	31st May 2022
240	V38	15th August 2023
241	V38	15th August 2023
242	V2	15th June 2022
243	V2	15th June 2022
244	V5	29th June 2022
245	V5	29th June 2022
246	V5	29th June 2022





PLOT NUMBER	REPORT NUMBER	DATE
247	V5	29th June 2022





Garden Cover System Validation

Complete

Score	24 / 24 (100%)
Site Name	Belle vue greyhounds
Location	Kirkmanshulme Lane, Longsight Manchester England M18 United Kingdom (53.46237011046384, - 2.183502458130499)
Project Number	12123
Developer	Vistry
Project Manager	Nicola Sellars
Conducted By	Sufianne Mulk
Date of visit	28 Feb 2025 3:55 PM GMT
Subsoil/Topsoil Material Source (If the site manager can't supply you with detail of where the soil is sourced STOP THE INSPECTION and call the PM)	
Where has the Subsoil been sourced	-
Where has the Topsoil been sourced	Rush green road , Lymm





Plot Validation 1		4 / 4 (100%)
Plot Number		POS112
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div>   </div> <div> Photo 1 Photo 2 </div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <div> Photo 3 </div>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <div> Photo 4 </div>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No





Plot Validation 2		4 / 4 (100%)
Plot Number		POS111
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div>   </div> <div> Photo 5 Photo 6 </div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <div>Photo 7</div>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <div>Photo 8</div>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No

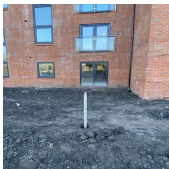




Plot Validation 3		4 / 4 (100%)
Plot Number		POS110
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;"> <p>Photo 9</p> <p>Photo 10</p> </div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <p>Photo 11</p>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <p>Photo 12</p>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No





Plot Validation 4		4 / 4 (100%)
Plot Number		POS109
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div></div> <div>Photo 13Photo 14</div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <div>Photo 15</div>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <div>Photo 16</div>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No





Plot Validation 5		4 / 4 (100%)
Plot Number		POS108
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div>   </div> <div> <p>Photo 17</p> <p>Photo 18</p> </div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <p>Photo 19</p>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <p>Photo 20</p>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No





Plot Validation 6		4 / 4 (100%)
Plot Number		POS107
Is Plot Ready	Yes	
Installation Standard	Pass	
Depth of Cover System Materials (record the depth and support with Photo down the hole)		300
<div>   </div> <div> <p>Photo 21</p> <p>Photo 22</p> </div>		
Depth of Topsoil (mm)		300
Depth of Subsoil (mm)		0
Depth of Cover System at Ground Level (Photo)		300
 <p>Photo 23</p>		
Depth of Cover System in Relation to Plot (Ensure the whole plot can be seen in the photo)		300
 <p>Photo 24</p>		
Soil suitable (Must be free from Brick, concrete, wood, plastics, glass, metal and anything none natural) if identified contact PM.		Yes
If soil is unsuitable please add a FULL description and support with photos.		
Geotextile membrane present		No





Site Manager or Representative

Name

Graham Richardson

Signature

Graham Richardson
28 Feb 2025 4:19 PM GMT





Media summary



Photo 1



Photo 2



Photo 3



Photo 4





Photo 5



Photo 6



Photo 7



Photo 8





Photo 9



Photo 10



Photo 11



Photo 12





Photo 13



Photo 14



Photo 15



Photo 16





Photo 17



Photo 18



Photo 19



Photo 20





Photo 21



Photo 22



Photo 23



Photo 24





NOTES:

For details of species refer to Plant Schedule, on sheet 03.

All soft landscaping to strictly conform to Countryside Properties Plc Performance Specification for Soft Landscape Works.

All Street Trees to be minimum 2m clear stems.

No species, centre, size etc.... is to be amended without the prior approval of the landscape architect.

Shrub Bed Topsoil:
The level of shrub bed topsoil is to be finished 50mm below the adjacent paving and grass so that when bark mulch is applied it does not spill over.

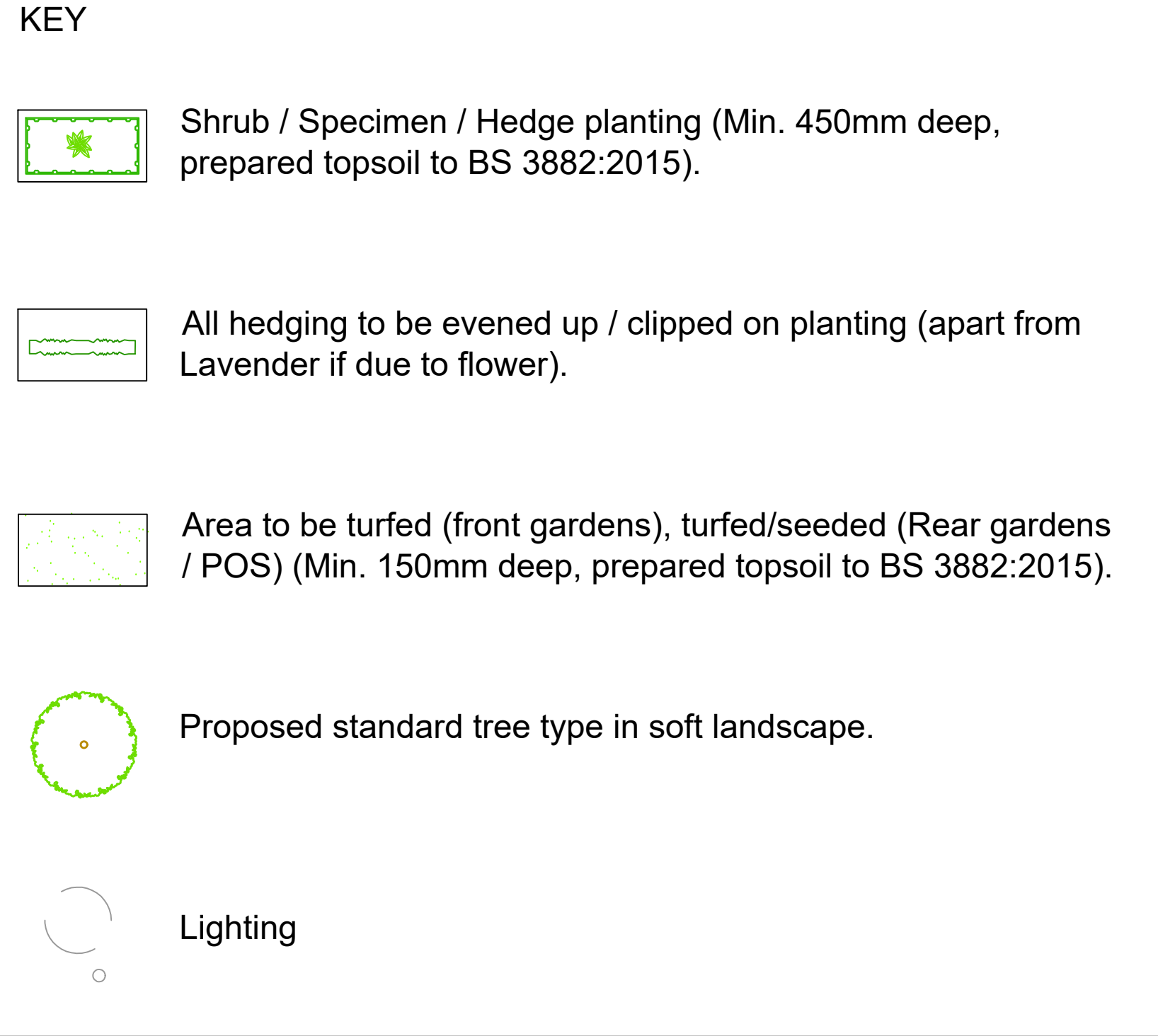
The use of pesticides and other non-organic garden chemicals are to be kept a minimum to prevent any cumulative effects within the food chain.

Good horticultural practices shall be implemented within the planting scheme e.g. use of peat-free composts and mulches and application of non-residual pesticides.

All trees / shrubs to be checked by a structural engineer in compliance of NHBC requirements for design of foundations.

For tree planting details refer to final sheet Typical Tree Pit Detail Semi Mature Tree In Soft Landscape Areas and Typical Tree Pit Detail Extra Heavy Standard Tree In Soft Landscape Areas.

Do not scale.



Rev	Date	By	Description	CHKD
E	02.08.24	NC	Amends to latest layout	NC
D	11.03.22	NC	Landscape adjusted, plots 26 & 203	NC
C	24.02.22	NC	Amends to latest layout	NC
B	04.08.21	NC	Planting omitted from sub-station	NC
A	12.05.21	NC	Amends to layout, lighting, highways trees added	NC

Landscape Architecture
Arbiculture
Trevor Bridge Associates Ltd
Aston Old Batts
Stamford Street West
Aston-under-Lyme
Lancs OL6 7FW
Tel: 0161-804 2099
E-mail: info@trevorbridge.co.uk

COUNTRYSIDE
Places People Love
Countryside Properties (UK) Limited
Pemberton House
361 Bridgewater Place
Bridgewater, Cheshire, WA5 6EQ
Tel: 01602 250000 Fax: 01602 250001
www.countrysideproperties.com

Site: **Belle View,
Manchester**

Site: **Landscape Detail**

Scale: **1:200**
Date: **August 2020**
Drawing No: **5797.04**
Sheet No: **2 of 4**

Drawn by: **NC**
Checked: **JWV**
Project: **E**



Final Report

Report No.: 25-06713-1

Initial Date of Issue: 06-Mar-2025

Re-Issue Details:

Client E3P

Client Address: Taylor Road
Trafford Park
Urmston
Manchester
M41 7JQ

Contact(s): nsellars@e3p.co.uk

Project 12-123 Belle Vue

Quotation No.: Q23-31421

Date Received: 26-Feb-2025

Order No.: 010637

Date Instructed: 26-Feb-2025

No. of Samples: 3

Turnaround (Wkdays): 4

Results Due: 03-Mar-2025

Date Approved: 06-Mar-2025

Approved By:



Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: 12-123 Belle Vue

Client: E3P		Chemtest Job No.:				25-06713	25-06713	25-06713
Quotation No.: Q23-31421		Chemtest Sample ID.:				1939149	1939150	1939151
		Client Sample ID.:				TS101	TS102	TS103
		Sample Type:				SOIL	SOIL	SOIL
		Date Sampled:				25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:				12:00	12:00	12:00
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
ACM Type		N	2192		N/A	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	19	17	17
Soil Colour		N	2040		N/A	Brown	Brown	Brown
Other Material		N	2040		N/A	Stones and Roots	Roots	Stones and Roots
Soil Texture		N	2040		N/A	Clay	Clay	Loam
pH at 20C		M	2010		4.0	7.4	7.6	7.7
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.017	0.018	0.017
Total Sulphur		U	2175	%	0.010	0.060	0.060	0.080
Cyanide (Total)		M	2300	mg/kg	0.50	0.60	0.70	0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.0	4.8	4.9
Sulphate (Total)		U	2430	%	0.010	0.12	0.17	0.11
Arsenic		M	2455	mg/kg	0.5	12	18	13
Cadmium		M	2455	mg/kg	0.10	0.52	0.61	0.45
Chromium		M	2455	mg/kg	0.5	18	22	20
Copper		M	2455	mg/kg	0.50	54	64	54
Mercury		M	2455	mg/kg	0.05	0.53	0.58	0.52
Nickel		M	2455	mg/kg	0.50	14	16	15
Lead		M	2455	mg/kg	0.50	130	150	160
Selenium		M	2455	mg/kg	0.25	0.78	0.80	0.73
Zinc		M	2455	mg/kg	0.50	140	160	130
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Organic Matter		M	2625	%	0.40	4.3	6.7	4.8
Total Organic Carbon		M	2625	%	0.20	2.5	3.9	2.8
TPH >C6-C8	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10	EH_1D_Total	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12	EH_1D_Total	N	2670	mg/kg	1.0	1.8	< 1.0	< 1.0
TPH >C12-C16	EH_1D_Total	N	2670	mg/kg	1.0	7.2	< 1.0	1.7
TPH >C16-C21	EH_1D_Total	N	2670	mg/kg	1.0	21	10	10
TPH >C21-C25	EH_1D_Total	N	2670	mg/kg	1.0	33	5.9	7.1
TPH >C25-C35	EH_1D_Total	N	2670	mg/kg	1.0	58	< 1.0	14
TPH >C35-C40	EH_1D_Total	N	2670	mg/kg	1.0	4.2	< 1.0	1.4
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10	130	16	35
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10	0.16
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 12-123 Belle Vue

Client: E3P		Chemtest Job No.:		25-06713	25-06713	25-06713
Quotation No.: Q23-31421		Chemtest Sample ID.:		1939149	1939150	1939151
		Client Sample ID.:		TS101	TS102	TS103
		Sample Type:		SOIL	SOIL	SOIL
		Date Sampled:		25-Feb-2025	25-Feb-2025	25-Feb-2025
		Time Sampled:		12:00	12:00	12:00
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Phenanthrene		M	2800	mg/kg	0.10	1.0
Anthracene		M	2800	mg/kg	0.10	0.22
Fluoranthene		M	2800	mg/kg	0.10	1.6
Pyrene		M	2800	mg/kg	0.10	1.5
Benzo[a]anthracene		M	2800	mg/kg	0.10	0.70
Chrysene		M	2800	mg/kg	0.10	0.87
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	1.1
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	0.39
Benzo[a]pyrene		M	2800	mg/kg	0.10	0.88
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	0.57
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	0.58
Total Of 16 PAH's		N	2800	mg/kg	2.0	9.4
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

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

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

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 EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ 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.

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

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 - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

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.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com