

### General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Map ID
- Several of Type at Location

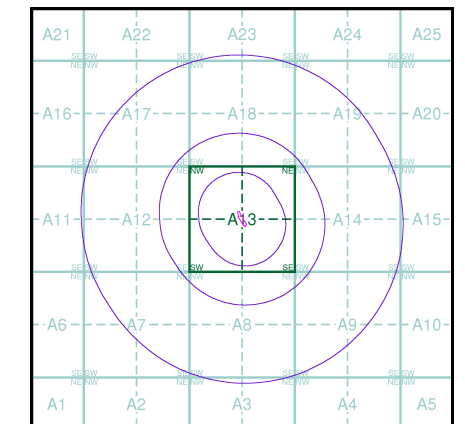
### Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

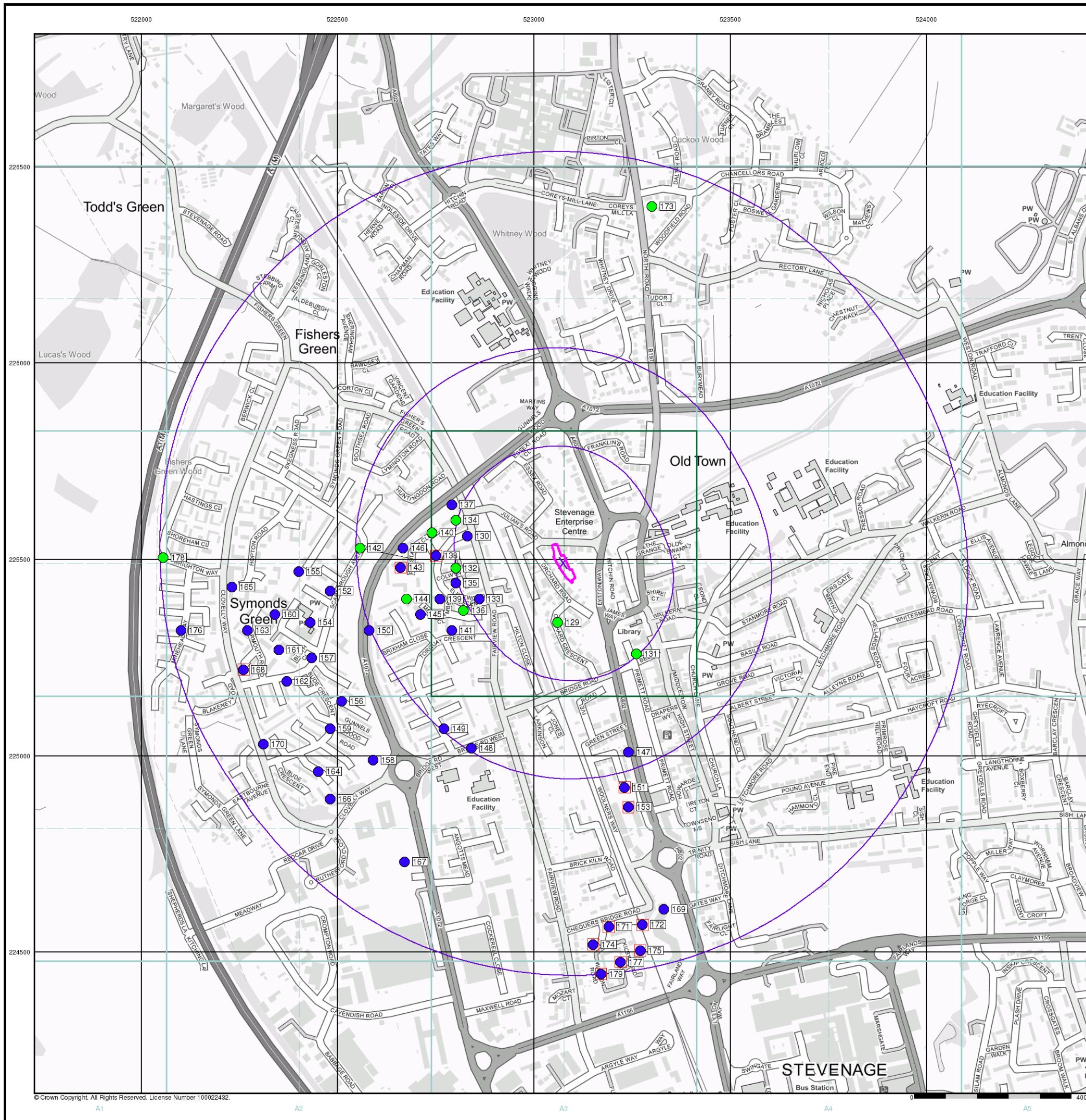


### Order Details

Order Number: 315150256\_1\_1  
 Customer Ref: 3355  
 National Grid Reference: 523070, 225490  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

33A, Julians Road, STEVENAGE, SG1 3ES



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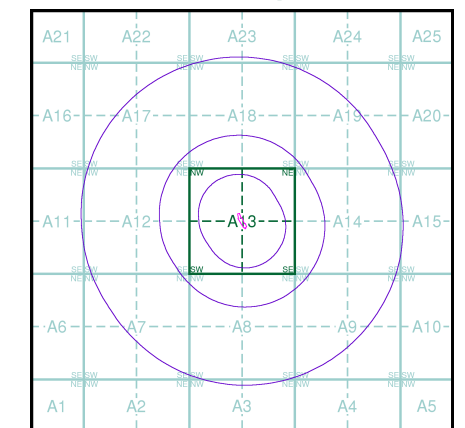
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### OS Water Network Data

- |  |              |  |                         |
|--|--------------|--|-------------------------|
|  | Canal        |  | Drain                   |
|  | Reservoir    |  | Other                   |
|  | Foreshore    |  | Lake                    |
|  | Marsh        |  | Transfer                |
|  | Tidal River  |  | Lock Or Flight Of Locks |
|  | Inland River |  | Sea                     |

### OS Water Network Map - Slice A

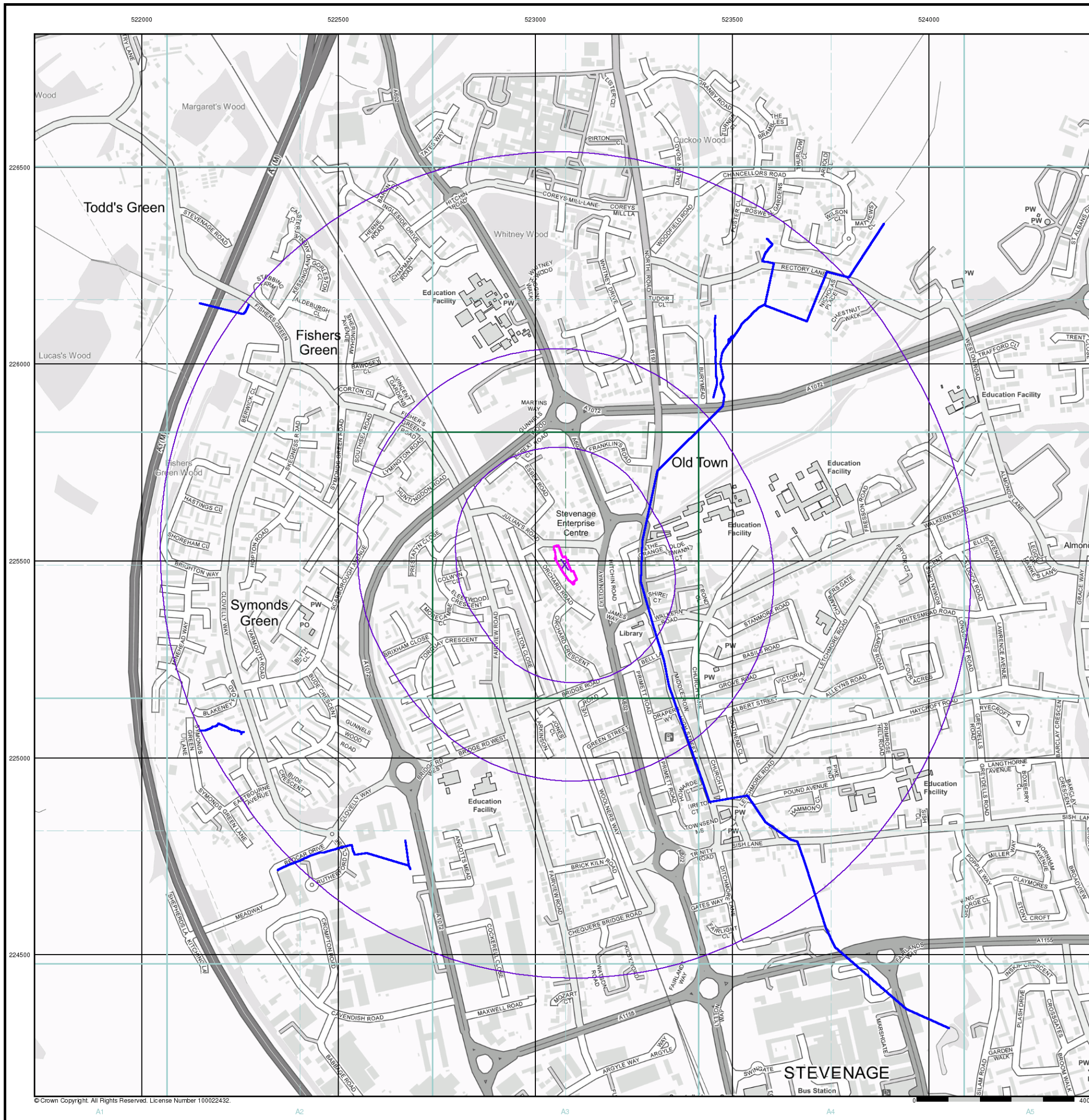


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**APPENDIX VI**  
**INFORMATION FROM PLANNING PORTAL AND PETROLEUM OFFICER**

Philip Miles  
Brown 2 Green Associates  
Suite 1, Wenden Court,  
Station Road, Wendens Ambo,  
Nr. Saffron Walden, Essex,  
CB11 4LB

Fire Protection  
Regulatory Services  
Hertfordshire County Council  
Room 346, Old Block, Postal Point CH0331  
County Hall  
Pegs Lane  
Hertford, Herts SG13 8DQ  
[www.hertfordshire.gov.uk](http://www.hertfordshire.gov.uk)

**Tel:** 01707 292668  
**Email:** [lisa.waddingham@hertfordshire.gov.uk](mailto:lisa.waddingham@hertfordshire.gov.uk)  
**My ref:** SR 21339 CFRMIS  
**Your ref:**  
**Date:** 16 August 2023

*Please note, all correspondence must include our reference number. Failure to comply with this may delay our response*

Dear Philip,

**RE: 33 Julians Road, Stevenage , SG1 3ES**

As requested, we have examined our files and can find no record of any above ground or underground petrol storage tanks at the above premises. We do not however get informed of tanks installed for diesel or any other fuel such as Heating Oil.

Please note that the above is correct according to our records. However, we cannot guarantee the accuracy of this information.

Yours faithfully

**Lisa Waddingham**  
**Petroleum Officer**

From: Claire Jaggard  
Sent: 20 April 2009 16:47  
To: Faye Cass  
Subject: RE: Site History, 33 Julians Road, Stevenage

Hi Faye,

Having looked at the historic information re this site, which refers to a underground fuel storage tank and old fuel pumps, I can confirm that I would like the contaminated land condition on any consent that is given to develop this land. In addition to this use, there is potential for organic contamination from the stabling / storage of horses on this land.

Can I suggest that you give the developers a copy of the herts and Beds Contaminated land guidance document that I sent you previously. This may help them but if they have any other queries they can contact me.

Regards

Claire

-----Original Message-----

From: Faye Cass  
Sent: 20 April 2009 14:45  
To: Claire Jaggard  
Subject: RE: Site History, 33 Julians Road, Stevenage

The date is the 23rd April on the original consultation but as you have only just got it that's a bit tight. Next week would be great.

Thanks,  
Faye.

Faye Cass  
Senior Planning Officer  
Planning and Regeneration, Stevenage Borough Council Daneshill  
House, Danestrete Stevenage, SG1 1HN  
01438 242767  
faye.cass@stevenage.gov.uk

-----Original Message-----

From: Claire Jaggard  
Sent: 20 April 2009 14:41  
To: Faye Cass  
Subject: RE: Site History, 33 Julians Road, Stevenage

Cheers Faye,

I'll have a look at it and get back to you. What is the deadline for this?

Claire

-----Original Message-----

From: Faye Cass  
Sent: 20 April 2009 14:36  
To: Claire Jaggard  
Subject: Site History, 33 Julians Road, Stevenage

Hi Claire,

It came in a while ago. Jane asked me about it this morning so it has got to her but it could be a while before it gets to you. Please find the document that will eventually get to you!

Thanks,  
Faye.

Faye Cass  
Senior Planning Officer  
Planning and Regeneration, Stevenage Borough Council Daneshill  
House, Danestrete Stevenage, SG1 1HN  
01438 242767  
faye.cass@stevenage.gov.uk

-----Original Message-----

From: Chris Hook [mailto:chrishook.cjadesign@talktalk.net]  
Sent: 27 February 2009 16:08  
To: Faye Cass  
Subject: Tree Survey & Site History, 33 Julians Road, Stevenage

Hello Ms Cass,

Attached are copies of the Tree Survey and a potted history of the site as requested. I will call you on Monday to arrange the suggested meeting.

If you have any further queries please let me know.

Regards

Chris Hook.

Christopher James Associates  
28 Sun Street, Biggleswade, Beds. SG18 0BP Tel : 01767 314688  
Fax : 01767 222123 Email : mail.cjadesign@talktalk.net

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## Proposed Redevelopment of 33 Julians Road, Stevenage.

### Desktop Survey for Risk of Contamination.

#### Site History.

According to the attached map of the area the site was in existence in almost the same form as is seen today by 1899. Little is now known about the use it was first put too but due to its form it can be assumed that it was used as stables associated with the storage of fodder, hay and straw. The evidence of its use can be gleaned from the fact that the ground floor of both main barns still contained loose boxes and hay racks when it came into the current owners hands in 1976. Evidence given under oath in a planning appeal (APP/5257) in 1977 indicates that the building were being used for this purpose before WWII by John Inns, a hay and straw merchant. At that time all the transport was by horse and cart and the rear yard was used as a paddock. Hay, corn and straw continued to be stored at the premises until the business was taken over by T. C. Mansfield Ltd, a fruit & vegetable merchants who continued to use the yard and buildings for warehousing and the rear yard as a paddock for Mr Mansfields family ponies.

The evidence indicates that the site has never been used for any industrial purpose and it is highly improbable that any contamination is present. The diesel fuel pump and its associated underground storage tank have been empty for the past eleven years and have shown no evidence of leakage. The pump and storage tank will be removed in accordance with best practice and the surface of the yard will be fully paved.

Included below are some extracts taken from the aforementioned planning appeal document which contain descriptions of the site and personal recollections of several local residents and previous occupiers of the site:

#### Description of the Site and Use in 1977 according to Planning Officer.

*"At the time of inspection all the buildings, except the dwelling and office, were in use for the storage of building materials and house fittings with little spare capacity. The yards were similarly full, except that the yard behind the dwelling had space for car parking and turning."*

*"To the west of the appeal site entrance are a public house, a taxi depot, a small sheet metal works, and a second public house. West of these is the yard of the former Stevenage railway station, and south of that, on Orchard Road, is a large builder's yard, a tyre depot, and some sheds containing small industrial units."*

#### Description of the site in 1977 by Mr. di Mambro - Council for Geoghegan Brothers Ltd.

*"The main building within the site is a storage building, it has always been so, and that is what the appellant is using it for. It is not a builder's yard. This changed in 1968 to a fruit and vegetable store and now it is being used for storing building materials all of which processes are of a wholesale nature therefore they come within Class X."*

**Evidence of Thomas Charles Mansfield (owner of the site from 1968 to 1975)**

Thomas Charles Mansfield, Director of T C Mansfield Ltd, Wholesale Fruit and Vegetable Merchants and Wholesale Potato Merchants, said he purchased the appeal site in January 1968 and understood from Mr Wallace that he was a director of the vendor company and that the premises had been used as a depot for corn and hay chandlery and potato supplies.

110. He (witness) used the premises from January 1968 until the time he sold to the present appellants as offices, cold store, warehouse and stabling. The rear section of the site was made into a paddock.

111. In the middle section he had a cold store installed which was used in connection with his business as a fruiterer and grocer and the middle section was generally used for warehousing; part of the covered section was used for garaging.

112. The front portion of the site was used for off-loading lorries and for the washing down of the lorries.

113. When he inspected the property before purchasing it in 1968, the south-eastern and rear portion appeared to have been used as a rubbish dump.

114. He had knowledge of the business of J Inns and Co (the earlier owners of the site) and of Mr Wallace for some years before he bought the appeal site. Turner Byrne and John Inns Ltd had a lot of school contracts in London and a depot at King's Cross. They shifted the business from King's Cross to Julians Road. J Inns had a farm at Boston.

115. He got to know about the business because the man who ran the potato supplies under the schools' contracts absconded, and John Inns approached him to take over the contract.

116. He (witness) is a fruit and vegetable merchant and he used to store potatoes in the main centrally situated building. He would have up to 100 tons of potatoes stored upstairs in that building.

117. In Mr Wallace's time there were many pallets in the yard area and the firm had 2 articulated vehicles and employed 6 men. He (witness) did the school contract for them when they were unable to complete it.

118. Wallace had an office in the yard to the rear of the dwelling.

119. He (witness) came to Stevenage in 1959. At that time he knew of J Inns' business and that it was a hay, straw and potato business. He did not visit the site between 1959 and 1963 but the firm's lorries used to come to him from Julians Road and from Boston.

120. At that time there were 2 offices at the back of the dwelling, one downstairs and one on the first floor. The downstairs office was used for hay and straw dealings and the upstairs office contained a telephone PBX and the potato business was conducted from there. There was one man and one lady in the office.

121. When he first knew the premises the pump installed in the yard was a very old petrol pump of the hand cranked type. He changed it to a diesel pump. The old petrol pump would probably be about 40 years old.

122. The open area at the south-east end was full of rubbish when he first went there but there were no horses. There were 2 old pigsties and a shed. The rubbish was too thick for the grass to grow.



123. J. Inns' lorries used to arrive very early in the morning. He had 2 articulated vehicles.

124. When he (witness) took over he used the premises for the storage of potatoes, fruit, vegetables and hay and straw. He himself used to go out at 3 am. He used 10 ton platform lorries of which he had 6 based at Julians Road.

125. He used the downstairs office and occasionally the upstairs office for the purpose of private interviews. But most of the time there was a lady receptionist and himself downstairs.

126. He used the office for his businesses in Stevenage and for keeping up the school contracts.

127. It was he who installed the compressor and cold storage in the main building at the centre of the site, but the pit in the stable block was there when he bought the site.

128. He cleared up the back yard, fenced it, kept some hay and straw there but also kept 4 or 5 horses. Part of the time these horses were put in the stables.

129. He employed 7 men on the site and had his own filter to look after his vehicles.

130. J. Inns had some 70 horses and much of his business was horse-drawn. The 70 horses were not all kept at the appeal site but some would over-night there.

131. Cross-examined he said he had 7 men on the site comprising delivery drivers and loaders. He used to supply all the schools in Stevenage. He bought in vegetables, stored them at the appeal site and distributed them.

132. The downstairs office at the rear of the building was the base of his business. The upstairs office would only be used 2 or 3 times a week.

134. The paddock to the rear was for his own domestic use. Before he put the horses there he used it for lorries. The horses were put there in 1970/71.

135. Re-examined he said his 4 horses only occupied a very small part of the rear paddock. When he bought the appeal site the stable building was used for potato storage. Only about 40 ft on the north-west end was used for horses.

136. He is a partner in the Stevenage Meat Company and had his nameplate on the office door. It was an office for the Stevenage Meat Company as well as for his other business.

137. He did not sell to other retailers, but used the appeal site solely to supply his own outlets.

138. To the Inspector he said the Stevenage Meat Company was a wholesale meat suppliers whose stocks were held at Luton Cold Stores and distributed direct to retailers.

139. The appeal site was used for supplies for school meals and it was common to break bulk at the appeal site in order to meet orders.

140. When he purchased the appeal site he took over the school contracts from the previous owners but the potato contract was cancelled.

141. He bought only the premises not the previous business or its goodwill.

142. When he bought the appeal site in 1968 there was a man and his wife in the dwelling who worked for the previous owners of the appeal site. They had been with the firm for a very long time. These people moved out almost immediately after the sale and he put 2 of his employees into the dwelling.

**Evidence of Mrs Eileen Harding of 16 Orchard Road.**

219. Mrs Eileen Harding of 16 Orchard Road, a legal executive, said she has owned the house since 1961 but only lived there for the past 3 years. She used to live in the High Street but has an intimate knowledge of the appeal site because she worked with Brignall White and Orchard solicitors who acted for Inns Hay and Straw merchants business. She was constantly in and out of the appeal site in her capacity as a solicitor's clerk.

220. Later when she came to live at 16 Orchard Road Mr Mansfield was there running his fruit and vegetable business but it never impinged on the householders in Orchard Road. The back part of the site was a small paddock and very open as it had been during the years when Inns was there. If Inns put any rubbish there it was not visible from the houses in Orchard Road.

234. John Inns was a hay and straw merchant. The building halfway down the site was used for horses. Mr Inns and his successor Mr Wallace were very friendly. Wallace carried on the hay and straw business.

235. Cross-examined by Mr di Mambro she said the upstairs part of the central building was full of horse tack. Straw and hay was not kept up there; that was kept below. Mr Inns used to take the horses and carts and lorries to the fields where they cut hay and then sell it direct to buyers. Not a lot of hay was stored at the appeal site; most of it was sold direct.

230. She has seen as many as 30 carts pulled up outside the appeal site and nearby carrying hay and straw to the railway. Often they would stop at the office on their way to the railway. Thirty horses and carts were quite a common sight.

237. In Mr Mansfield's time there was still a lean-to at the back (south-east) portion of the appeal site and it was full of hay. Mr Mansfield did not keep many potatoes, about half a ton or 20 or 30 sacks. At times she obtained potatoes from him for her own use.

238. She did not herself work for Mr Mansfield but his lorries were short and small. Mansfield never had any articulated vehicles.

239. Mr Wallace who bought the site after Mr Inns substituted lorries for horses and carts and kept his lorries at a depot at Scarborough Avenue.

240. She has heard banging from the appeal site, a week prior to the inquiry a vehicle was broken up. She does not hear the saw.

241. Questioned by Mr Baker for the Council she said horses were at the appeal site both in Inns' time and in Wallace's time but there were none in the paddock at the south-east end during their time. Mr Mansfield had ponies for his children which he put in the paddock. The buildings at the south end were used for horses and hay.

**Evidence of Pauline Isobel Glover of 16 Julians Road.**

242. Mrs Pauline Isobel Glover a farmer of 16 Julians Road said she has lived there 2 years but was born at No 16. - Her mother's family and an aunt lived at No 16 for 20 years.

243. She is transferring her farm to her son and proposing to live at No 16. The house has been left to her. She has always considered Julians Road a residential area but came to the appeal because she understood a factory type of business was to be permitted at the appeal site. John Inns lived at No 33 before the war and until his death shortly after the war. He kept hay and straw there and was also a farmer. She does not know a lot about his business.

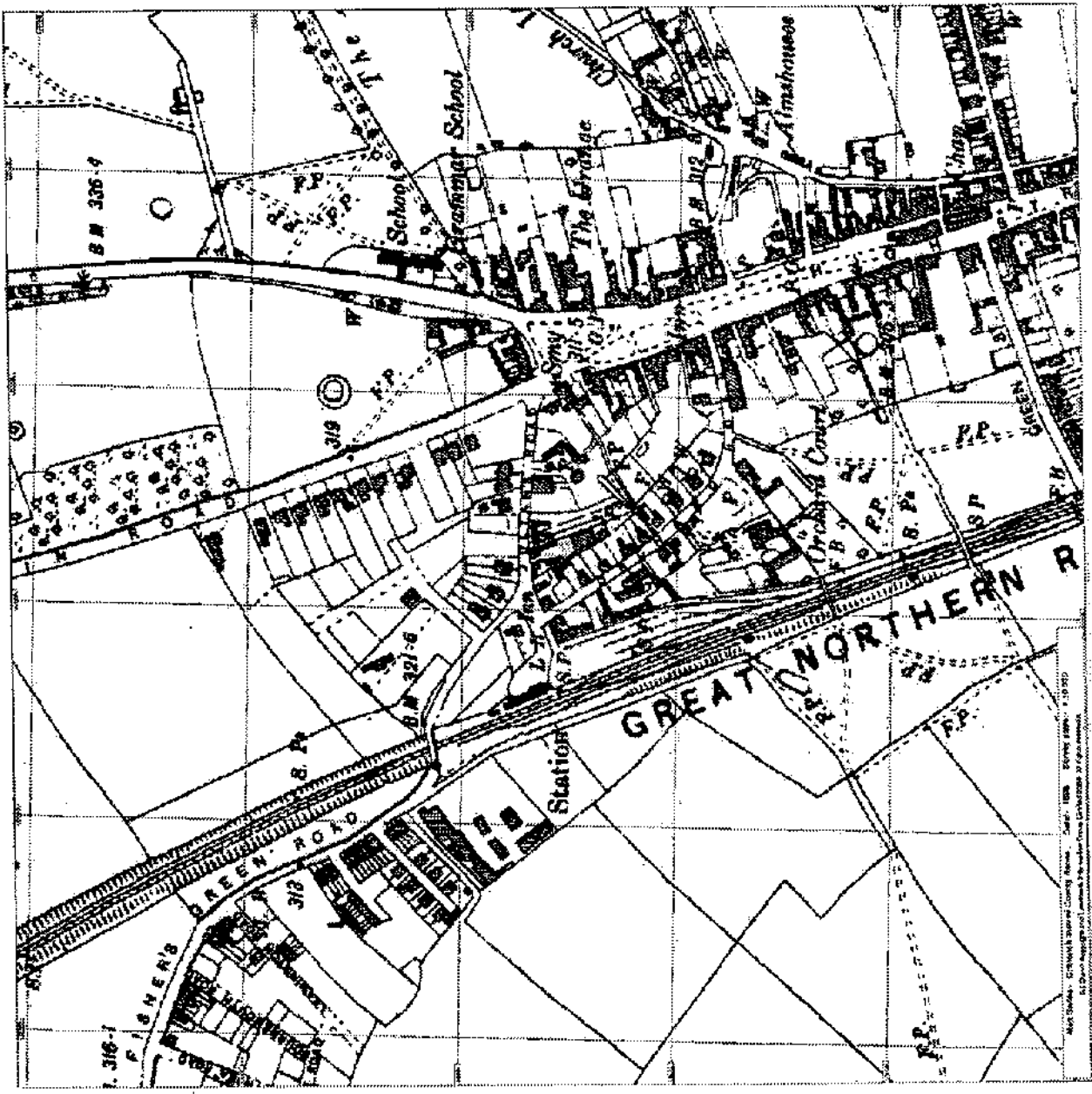
**Extract from Appeal Decision Letter dated 24th November 1977.**

The appeal site contains a 2-storey dwelling facing on to the road, with a 10 ft 6 ins wide access way on its west side, an office to the rear of the dwelling, an open yard, a stable building with former hay-bolt over, joined to another 2-storey building and a yard at the rear. The evidence shows that before 1948 and until 1968 the property was owned by Turner Byme and John Inns Limited who used it for their hay and straw business. Hay and straw was stored on the appeal site and horses used in the business were kept there overnight. The company had an office at the rear of the dwelling; employees also lived in the dwelling. Mr Inns was succeeded by Wallace, who kept potatoes at the appeal site as well as hay and straw. In 1968 the property was sold to T C Mansfield Limited who used it for their business as wholesale fruit, vegetable and potato merchants; they also used the office in connection with the Stevenage Meat Company of which Mr Mansfield was a director. Mr Mansfield operated his business with six 10-ton platform lorries, broke bulk on site and supplied schools and his own 3 shops and market stall; 2 employees lived in the dwelling. In January 1976 your clients bought the property and have used the buildings in the yard and the open area to the south and rear for the storage of building materials and household fittings used in connection with contracts for the renovation of old dwellings.

1 2 3 4

**LANDMARK**  
 by George Jones & Co. Ltd.

Landmark Historical Map  
 Published Date: 1899  
 Originally plotted at: 1:10,560




**APPENDIX VII**  
**GEOLOGICAL LOGS**

# GEOLOGICAL LOG

<b>Project:</b> 33 Julians Road <b>Location:</b> Julians Road Stevenage, Hertfordshire SG1 3ES <b>Project No:</b> 3355 <b>Client:</b> Acre Stevenage <b>Logged By:</b> RMI	<b>Borehole Number:</b> <span style="font-size: 1.2em; font-weight: bold;">WS1</span> <b>Start of Drilling:</b> 14-Jul-23 <b>Completion of Drilling:</b> 14-Jul-23 <b>Drilling Method:</b> Window sampling <b>Ground Level (m AOD):</b> N/A
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Sample/Test			Description	Log	Depth (m)	Thickness (m)	S/pipe
Sample / Test	Result	Sample range					
			MADE GROUND - Paving over fine to coarse brown SAND.	▨	0.1	0.1	
T,J,V		0.1-0.3	MADE GROUND - Dark brown slightly gravelly, slightly sandy CLAY with occasional bricks and tarmac. Gravel of fine to coarse, angular to subrounded bricks, tarmac and flints.	▨	0.3	0.2	
T,J,V		0.3-0.6	Brown slightly sandy, silty CLAY.	— — — — — X — —	0.9	0.6	
			Orangish brown mottled brownish grey sandy CLAY with occasional pockets of brown sand.	— — — — — — — — —	1.0		
			Orangish brown mottled grey slightly gravelly, slightly sandy CLAY. Gravel of fine to medium, angular to subrounded chert.	— — — — — — — — —	1.8	0.9	
J,V		2.5	with a faint of hydrocarbon odour at 2.5m.	— O — — — — — X — — O — — — —	2.0		
J,V		3.0	Brown mottled grey sandy CLAY.	— — — —	2.8	1.0	
			Dark greyish brown SAND with a faint of hydrocarbon odour.	— — — —	3.0		
J,V		3.5	slightly gravelly at 3.5m. Gravel of fine to medium, subangular to rounded chert and flint.	— — — — —	3.2	0.4	
J,V		3.8	Orangish brown slightly gravelly fine to medium SAND. Gravel of fine to medium, angular to rounded chert and flint.	o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . . o . . . .	3.5	0.3	
			End of borehole.	o . . . .	4.0		
				o . . . .	5.0	>1.5	
				o . . . .	6.0		
				o . . . .	7.0		

<b>Remarks:</b> Groundwater: Damp at 3.5m.	
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1

# GEOLOGICAL LOG

<b>Project:</b> 33 Julians Road <b>Location:</b> Julians Road Stevenage, Hertfordshire SG1 3ES <b>Project No:</b> 3355 <b>Client:</b> Acre Stevenage <b>Logged By:</b> RMI	<b>Borehole Number:</b> <span style="float: right; font-size: 1.2em;">WS2</span> <b>Start of Drilling:</b> 14-Jul-23 <b>Completion of Drilling:</b> 14-Jul-23 <b>Drilling Method:</b> Window sampling <b>Ground Level (m AOD):</b> N/A
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Sample/Test		Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result					
		MADE GROUND - Paving over fine to coarse brown SAND.	█	0.1	0.1	
		MADE GROUND - Dark grey to black sandy clayey GRAVEL occasional bricks and tarmac. Gravel of fine to coarse, angular to subrounded bricks, tarmac and flints.	█	0.4	0.3	
T,J,V	0.1-0.4		█	0.4	0.3	
		Yellowish brown slightly sandy CLAY with very rare brick fragments and rounded, medium chalk.	█	0.6	0.2	
T,J,V	0.4-0.6		█	0.6	0.2	
		Brown mottled orange slightly sandy CLAY with rare organic matter.	█	0.9	0.3	
		Orangish brown mottled grey slightly gravelly, slightly sandy CLAY. Gravel of fine to medium, subrounded chalk.	█	1.0		
			█	2.0		
		Brown very gravelly CLAY. Gravel of fine to medium, angular to subrounded chalk.	█	2.9	2.0	
			█	3.0		
		Brown mottled grey CLAY.	█	3.5	0.6	
			█	4.0		
			█	5.0	>1.5	
		End of borehole.	█	6.0		
			█	7.0		

Remarks: Groundwater: Dry on completion.	 <small>Optimising and enhancing your groundwater</small>
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1

# GEOLOGICAL LOG

<b>Project:</b> 33 Julians Road <b>Location:</b> Julians Road Stevenage, Hertfordshire SG1 3ES <b>Project No:</b> 3355 <b>Client:</b> Acre Stevenage <b>Logged By:</b> RMI	<b>Borehole Number:</b> <span style="font-size: 1.2em; font-weight: bold;">WS3</span> <b>Start of Drilling:</b> 14-Jul-23 <b>Completion of Drilling:</b> 14-Jul-23 <b>Drilling Method:</b> Window sampling <b>Ground Level (m AOD):</b> N/A
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Sample / Test	Result	Sample range	Description	Log	Depth (m)	Thick-ness (m)	S/pipe
T,J,V		0.2-0.4	MADE GROUND - Paving over fine to coarse brown SAND.		0.1	0.1	
			MADE GROUND - Reddish brown sandy GRAVEL of fine to medium, angular granite.		0.2	0.1	
			MADE GROUND - Dark greyish brown slightly gravelly, slightly sandy CLAY with occasional concrete, bricks, flints and charcoal.		0.4	0.2	
T,J,V		0.4-0.6	Gravel of fine to medium, angular to subrounded concrete, brick and flint.				
			Light brown mottled reddish brown slightly sandy CLAY.				
			Gravel of fine to medium, angular to subrounded chalk and flint.		1.0		
					2.0	1.6	
			Orange brown mottled grey slightly gravelly, slightly sandy CLAY.				
			Gravel of fine to medium, angular to subrounded chalk and flint.				
			with a pocket of sandy gravel at 2.7m.				
			Gravel of fine to medium, angular to subrounded chalk and flint.		3.0		
					4.0	>2.0	
			Hole collapsed to 2.7m. End of borehole.		5.0		
					6.0		
					7.0		


Remarks: Groundwater: Dry on completion.	 <small>Optimised and environmentally conscious</small>
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1



# GEOLOGICAL LOG

<b>Project:</b> 33 Julians Road <b>Location:</b> Julians Road Stevenage, Hertfordshire SG1 3ES <b>Project No:</b> 3355 <b>Client:</b> Acre Stevenage <b>Logged By:</b> RMI	<b>Borehole Number:</b> <span style="font-size: 1.2em; font-weight: bold;">WS4</span> <hr/> <b>Start of Drilling:</b> 14-Jul-23 <b>Completion of Drilling:</b> 14-Jul-23 <b>Drilling Method:</b> Window sampling <b>Ground Level (m AOD):</b> N/A
--	---

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.0-0.4	MADE GROUND - Grass over dark brown clayey, sandy GRAVEL. Gravel of fine to coarse, angular to subrounded bricks, ceramic and flints.		0.4	0.4	
			No further advance achieved due to the presence of a layer of bricks. Hole abandoned.		1.0		
					2.0		
					3.0		
					4.0		
					5.0		
					6.0		
					7.0		

<b>Remarks:</b>  Groundwater: Dry on completion.	 <small>Optimised and cost-effective solutions</small>
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1



# GEOLOGICAL LOG

<b>Project:</b> 33 Julians Road <b>Location:</b> Julians Road Stevenage, Hertfordshire SG1 3ES <b>Project No:</b> 3355 <b>Client:</b> Acre Stevenage <b>Logged By:</b> RMI	<b>Borehole Number:</b> <span style="float: right; font-size: 1.2em;">WS6</span> <hr/> <b>Start of Drilling:</b> 14-Jul-23 <b>Completion of Drilling:</b> 14-Jul-23 <b>Drilling Method:</b> Window sampling <b>Ground Level (m AOD):</b> N/A
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Sample/Test		Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Sample range					
T,J,V	0.0-0.6	MADE GROUND - Grass over dark greyish brown slightly gravelly, sandy CLAY with occasional bricks, ash and rootlets. Gravel of fine to coarse, angular to subrounded bricks and flints.	█	0.6	0.6	
		Orangish brown mottled grey slightly sandy CLAY with occasional gravel. Gravel of fine to coarse, angular to subrounded flint.		1.0		
				2.0		
				3.0		
		Brown clayey, slightly sandy GRAVEL. Gravel of fine to medium, angular to rounded flint.	o_o_o o_o_o o_o_o o_o_o	4.0	3.4	
		Brown silty CLAY.	_X _X _X	4.4	0.4	
			_X	5.0	>0.6	
		End of borehole.		6.0		
				7.0		

Remarks: Groundwater: Dry on completion.	
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1

**APPENDIX VIII**  
**CHEMICAL ANALYSIS REPORTS**



# Final Report

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**Report No.:** 23-24484-1  
**Initial Date of Issue:** 28-Jul-2023

**Re-Issue Details:**

**Client:** Brown 2 Green Associates  
**Client Address:** Suite 1, Wenden Court  
Station Road  
Wendens Ambo  
Nr. Saffron Walden  
Essex  
CB11 4LB

**Contact(s):** Philip Miles  
Radu Mihai Ilie

**Project:** 3355 33 Julians Road, Stevenage, SG1  
3ES

<b>Quotation No.:</b>		<b>Date Received:</b>	20-Jul-2023
<b>Order No.:</b>		<b>Date Instructed:</b>	20-Jul-2023
<b>No. of Samples:</b>	14		
<b>Turnaround (Wkdays):</b>	5	<b>Results Due:</b>	26-Jul-2023
<b>Date Approved:</b>	28-Jul-2023		

**Approved By:**

**Details:** Stuart Henderson, Technical  
Manager

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# Results - Soil

**Project: 3355 33 Julians Road, Stevenage, SG1 3ES**

Client: Brown 2 Green Associates		Chemtest Job No.: 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484 23-24484											
Quotation No.:		Chemtest Sample ID.: 1676786 1676787 1676788 1676789 1676790 1676791 1676792 1676793 1676794											
Sample Location:		WS1	WS1	WS1	WS1	WS1	WS1	WS1	WS2	WS2	WS3	WS3	
Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Top Depth (m):		0.1	0.3	2.5	3.5	3.8	0.1	0.4	0.2	0.4			
Bottom Depth (m):		0.3	0.6	2.5	3.5	3.8	0.4	0.6	0.4	0.6			
Date Sampled:		14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	
Asbestos Lab:		DURHAM											
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-					-			-
Asbestos Identification	U	2192		N/A	No Asbestos Detected					No Asbestos Detected			No Asbestos Detected
Moisture	N	2030	%	0.020	7.0	8.8	8.8	11	9.6	2.6	9.8	5.3	9.1
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	None	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
pH	M	2010		4.0	8.7	8.4							
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	< 0.010							
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50					< 0.50		< 0.50	
Arsenic	M	2455	mg/kg	0.5	13	4.6				17	12	14	7.9
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10				0.48	< 0.10	0.26	< 0.10
Chromium	M	2455	mg/kg	0.5	14	12				19	20	33	20
Copper	M	2455	mg/kg	0.50	23	4.1				25	8.4	20	5.6
Mercury	M	2455	mg/kg	0.05	0.10	< 0.05				0.11	0.08	0.10	< 0.05
Nickel	M	2455	mg/kg	0.50	15	6.3				18	11	19	11
Lead	M	2455	mg/kg	0.50	34	11				87	23	72	9.8
Selenium	M	2455	mg/kg	0.25	0.51	0.36				1.1	0.64	1.5	0.52
Vanadium	U	2455	mg/kg	0.5	31	17				47	30	43	27
Zinc	M	2455	mg/kg	0.50	49	21				150	36	94	27
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	0.12	0.21	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	5.2	5.4	24	53	3.9	5.0	4.0	3.9	3.3
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	2.6	3.2	90	240	1.8	8.9	1.7	1.8	1.8
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	< 2.0	< 2.0	130	390	< 2.0	13	< 2.0	< 2.0	< 2.0
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00	< 3.0	< 3.0	40	140	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00	9.3	11	290	820	5.6	28	6.0	6.2	5.6
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00	< 10	11	290	820	< 10	28	< 10	< 10	< 10
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

## Results - Soil

**Project: 3355 33 Julians Road, Stevenage, SG1 3ES**

Client: Brown 2 Green Associates		Chemtest Job No.:											
Quotation No.:		Chemtest Sample ID.:											
		23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484	23-24484
		1676786	1676787	1676788	1676789	1676790	1676791	1676792	1676793	1676794			
Sample Location:		WS1	WS1	WS1	WS1	WS1	WS2	WS2	WS3	WS3			
Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Top Depth (m):		0.1	0.3	2.5	3.5	3.8	0.1	0.4	0.2	0.4			
Bottom Depth (m):		0.3	0.6	2.5	3.5	3.8	0.4	0.6	0.4	0.6			
Date Sampled:		14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023			
Asbestos Lab:		DURHAM					DURHAM		DURHAM				
Determinand	Accred.	SOP	Units	LOD									
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00	< 1.0	< 1.0	4.1	18	< 1.0	2.9	< 1.0	< 1.0	
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00	< 1.0	< 1.0	60	180	< 1.0	36	< 1.0	< 1.0	
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00	3.2	< 2.0	35	120	5.0	260	5.0	5.1	
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00	35	< 2.0	4.7	5.6	< 2.0	760	< 2.0	2.9	
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00	5.9	< 1.0	33	< 1.0	< 1.0	140	< 1.0	< 1.0	
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00	39	< 5.0	100	330	5.4	1100	5.4	8.1	
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00	44	< 10	140	330	< 10	1200	< 10	< 10	
Total VPH >C5-C10	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Total EPH >C10-C35	U	2690	mg/kg	10.00	48	13	390	1200	11	1100	11	14	
Total EPH >C10-C40	N	2690	mg/kg	10.00	54	13	420	1200	11	1200	11	14	
Organic Matter	M	2625	%	0.40	5.1	1.6							
Benzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
Toluene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
o-Xylene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	
Naphthalene	M	2800	mg/kg	0.10	1.3	0.22				5.1	0.22	5.6	
Acenaphthylene	N	2800	mg/kg	0.10	2.5	< 0.10				18	< 0.10	13	
Acenaphthene	M	2800	mg/kg	0.10	0.84	< 0.10				2.8	< 0.10	1.7	
Fluorene	M	2800	mg/kg	0.10	1.3	< 0.10				7.2	< 0.10	4.4	
Phenanthrene	M	2800	mg/kg	0.10	14	0.21				58	< 0.10	34	
Anthracene	M	2800	mg/kg	0.10	4.5	< 0.10				22	< 0.10	12	
Fluoranthene	M	2800	mg/kg	0.10	36	0.23				170	< 0.10	85	
Pyrene	M	2800	mg/kg	0.10	32	0.21				160	< 0.10	76	
Benzo[a]anthracene	M	2800	mg/kg	0.10	20	< 0.10				77	< 0.10	45	
Chrysene	M	2800	mg/kg	0.10	19	< 0.10				73	< 0.10	42	
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	26	< 0.10				120	< 0.10	61	
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	9.9	< 0.10				37	< 0.10	22	
Benzo[a]pyrene	M	2800	mg/kg	0.10	24	< 0.10				89	< 0.10	54	
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	18	< 0.10				62	< 0.10	39	
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	3.4	< 0.10				11	< 0.10	6.2	
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	14	< 0.10				54	< 0.10	33	
Total Of 16 PAH's	N	2800	mg/kg	2.0	230	< 2.0				970	< 2.0	530	

## Results - Soil

**Project: 3355 33 Julians Road, Stevenage, SG1 3ES**

Client: Brown 2 Green Associates		Chemtest Job No.:		23-24484	23-24484	23-24484	23-24484	23-24484
Quotation No.:		Chemtest Sample ID.:		1676795	1676796	1676797	1676798	1676799
Sample Location:		WS4	WS5	WS5	WS6	WS6		
Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL		
Top Depth (m):		0	0.1	1	0	0.8		
Bottom Depth (m):		0.4	0.6	1.2	0.6	1		
Date Sampled:		14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023		
Asbestos Lab:		DURHAM	DURHAM		DURHAM			
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	-	-		-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.020	0.068	9.3	8.5	4.3
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones	Stones and Roots
Soil Texture	N	2040		N/A	Loam	Clay	Clay	Loam
pH	M	2010		4.0				
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010				
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50		< 0.50
Arsenic	M	2455	mg/kg	0.5	10	12	9.9	9.2
Cadmium	M	2455	mg/kg	0.10	0.13	< 0.10	< 0.10	0.13
Chromium	M	2455	mg/kg	0.5	27	12	27	14
Copper	M	2455	mg/kg	0.50	17	8.5	9.5	26
Mercury	M	2455	mg/kg	0.05	0.10	0.05	< 0.05	0.12
Nickel	M	2455	mg/kg	0.50	28	12	15	13
Lead	M	2455	mg/kg	0.50	81	20	31	160
Selenium	M	2455	mg/kg	0.25	0.73	0.68	0.76	0.55
Vanadium	U	2455	mg/kg	0.5	23	22	38	25
Zinc	M	2455	mg/kg	0.50	94	36	82	230
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	3.4	4.6	3.4	4.8
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	5.2	1.9	2.0	5.1
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	5.5	< 2.0	< 2.0	3.3
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00	< 3.0	< 3.0	< 3.0	6.4
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00	17	7.3	6.8	20
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00	17	< 10	< 10	20
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25



## Results - Soil

**Project: 3355 33 Julians Road, Stevenage, SG1 3ES**

Client: Brown 2 Green Associates		Chemtest Job No.:		23-24484	23-24484	23-24484	23-24484	23-24484
Quotation No.:		Chemtest Sample ID.:		1676795	1676796	1676797	1676798	1676799
Sample Location:		WS4	WS5	WS5	WS6	WS6		
Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL		
Top Depth (m):		0	0.1	1	0	0.8		
Bottom Depth (m):		0.4	0.6	1.2	0.6	1		
Date Sampled:		14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023	14-Jul-2023		
Asbestos Lab:		DURHAM	DURHAM		DURHAM			
Determinand	Accred.	SOP	Units	LOD				
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00	2.0	< 1.0	< 1.0	< 1.0
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00	27	< 1.0	< 1.0	1.1
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00	260	4.7	4.7	13
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00	770	< 2.0	5.4	88
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00	140	2.3	< 1.0	13
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00	1100	6.7	10	100
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00	1200	< 10	10	120
Total VPH >C5-C10	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00	1100	14	17	120
Total EPH >C10-C40	N	2690	mg/kg	10.00	1200	16	17	140
Organic Matter	M	2625	%	0.40				
Benzene	M	2760	µg/kg	1.0				
Toluene	M	2760	µg/kg	1.0				
Ethylbenzene	M	2760	µg/kg	1.0				
m & p-Xylene	M	2760	µg/kg	1.0				
o-Xylene	M	2760	µg/kg	1.0				
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0				
Naphthalene	M	2800	mg/kg	0.10	2.9	1.0	0.41	0.56
Acenaphthylene	N	2800	mg/kg	0.10	11	< 0.10	0.28	0.28
Acenaphthene	M	2800	mg/kg	0.10	1.3	< 0.10	< 0.10	0.18
Fluorene	M	2800	mg/kg	0.10	2.1	< 0.10	0.16	0.16
Phenanthrene	M	2800	mg/kg	0.10	25	0.58	0.60	1.6
Anthracene	M	2800	mg/kg	0.10	9.8	< 0.10	0.25	0.34
Fluoranthene	M	2800	mg/kg	0.10	86	0.32	2.0	3.4
Pyrene	M	2800	mg/kg	0.10	80	0.33	1.8	3.0
Benzo[a]anthracene	M	2800	mg/kg	0.10	47	0.19	0.98	1.6
Chrysene	M	2800	mg/kg	0.10	47	0.20	0.90	1.5
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	65	< 0.10	1.5	2.4
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	25	< 0.10	0.62	0.88
Benzo[a]pyrene	M	2800	mg/kg	0.10	59	< 0.10	1.3	1.6
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	42	< 0.10	0.97	1.3
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	7.3	< 0.10	< 0.10	0.21
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	35	< 0.10	0.87	1.2
Total Of 16 PAH's	N	2800	mg/kg	2.0	550	2.6	13	20

## Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°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
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.
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.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2690	EPH A/A Split	Aliphatics: >C10-C12, >C12-C16, >C16-C21, >C21- C35, >C35- C40 Aromatics: >C10-C12, >C12-C16, >C16- C21, >C21- C35, >C35- C40	Acetone/Heptane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2780	VPH A/A Split	Aliphatics: >C5-C6, >C6-C7,>C7-C8,>C8-C10 Aromatics: >C5-C7,>C7-C8,>C8-C10	Water extraction / Headspace GCxGC FID detection
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

## **Report Information**

### **Key**

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

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

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

All Asbestos testing is performed at the indicated laboratory

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

### **Sample Deviation Codes**

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

### **Sample Retention and Disposal**

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

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

Charges may apply to extended sample storage

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

[customerservices@chemtest.com](mailto:customerservices@chemtest.com)