

Job Name: Boorley Gardens School

Job Number: PO-23-014

Note Number: 01, V02

Date: 26th June 2024

Prepared By: K. Timkey

Approved By: P. Grgich

Subject: Boorley Gardens School Supplemental Contamination Investigation

1. Introduction & Background

Hampshire County Council is proposing the construction of a new educational development within land at Boorley Gardens, Hampshire. The proposed development will consist of a new school building, car parking, playing fields and a MUGA and associated infrastructure.

The site has been subject to a number of investigations leading up to its use as a site compound by a contractor appointed by Miller Homes and Bellway Homes who are constructing residential units to the east and south. A contractual agreement required the site to be returned to Hampshire County Council in a “clean” state.

Terra Firma undertook intrusive investigations in Summer 2023 (PO-23-104 Boorley Gardens GIR V02, March 2024) in order to characterise the geotechnical and geo-environmental properties of the site for the development of the proposed educational development. At that time, several locations were inaccessible due to:

- the presence of stockpiles
- areas in active use crushing of demolition arisings
- Intermittent storage to manage road sweeper waste

This investigation identified localised elevations of PAHs and heavy fraction hydrocarbons (TPH) within WS102 @ 0.2-0.4mbgl. It was thought that localised contamination was present as a result of ongoing site usage as a compound, although elevated PAHs appeared to be related to historic tarmac underlying Made Ground material. This can be seen in Figure 1 below.

On this basis, it was determined that additional investigations were required to ensure suitable remediation by contractor. This work was proposed to be undertaken coincidental with additional investigations in areas of the site not previously subject to intrusive investigations.



Figure 1 – WS102 core liner showing suspected tarmac material at 0.2mbgl

2. Additional Site Works

The additional investigation was scoped by Hampshire County Council. A total of nine supplementary window sample locations were proposed. However, at the time of the investigations the site was still partially occupied by the contractor resulting in access issues. Therefore, a limited scope of works was undertaken on 3rd June 2024 and comprised the following:

Exploratory hole number	Easting	Northing	Justification
WS1	450198	114939	General Coverage
WS2	450147	114927	General Coverage
WS3	450195	114882	Area of former stockpile
WS4	450264	114917	Crushing area; site of WS102
WS7	450165	114878	Sweeper pit

The locations were selected to obtain soil for laboratory contamination testing including head space testing using a photoionising detector (PID). The previously identified contamination in WS102 was to be removed for off-site disposal by the developer. WS4 was, therefore positioned at a similar location to WS102.

The investigation aimed to validate that this removal had been successfully completed as well as accessing areas not previously subject to investigation. Reference should be made to the Exploratory Hole Location Plan shown in Figure 2 below.

The full logs are reproduced in **Annex A**.

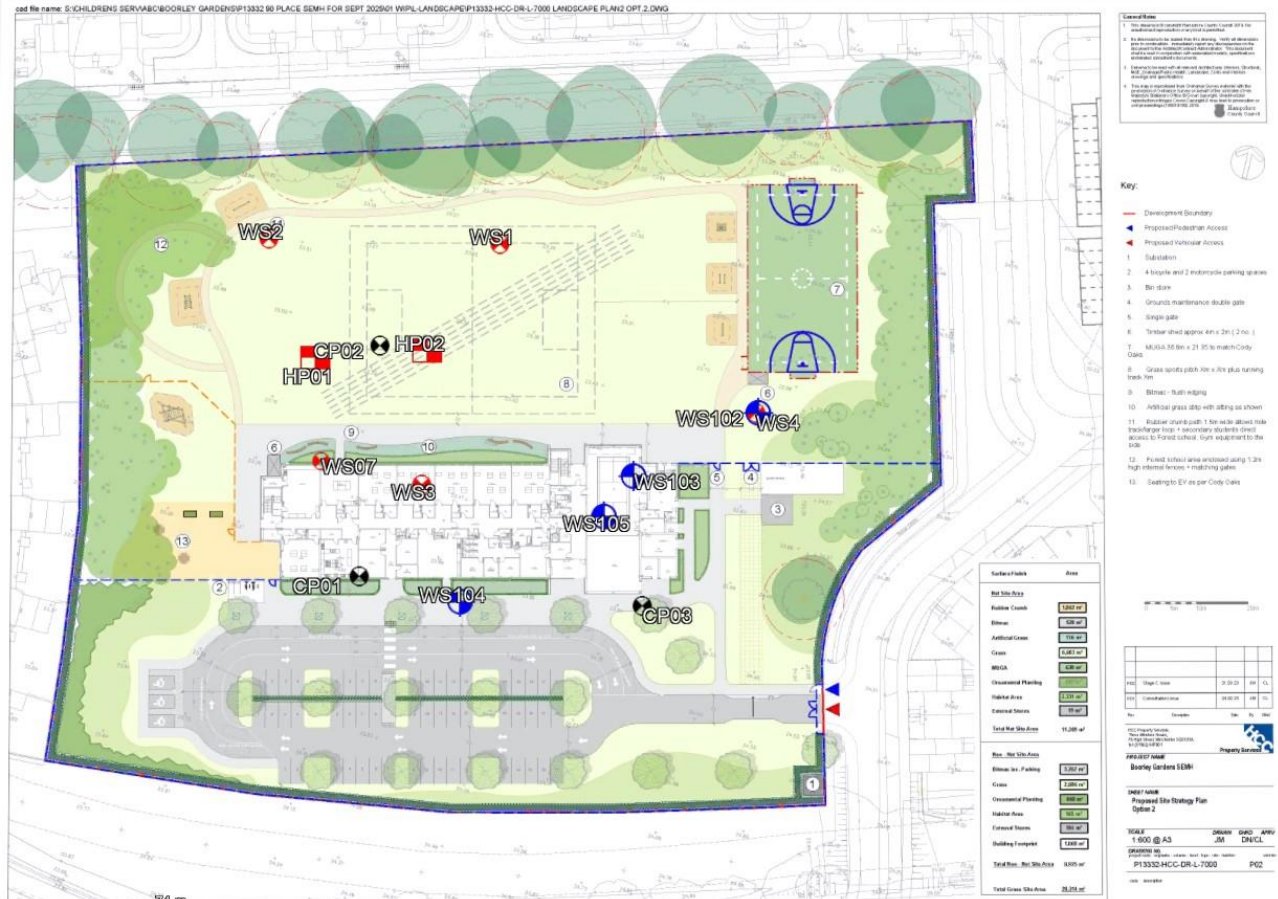


Figure 2: Exploratory Hole Location Plan

3. Evaluation of Laboratory Analysis

A total of 12no. soil samples were obtained and dispatched to the laboratories of Chemtest for chemical testing. For reference, the full laboratory report is provided in **Annex B**.

The following chemical testing was undertaken:

Table 3.1 - Summary of Chemical Testing Suites3		
Inorganics	Metals	Arsenic (As), Cadmium (Cd), Chromium (Cr), Hexavalent Chromium (CrVI), Copper (Cu), Lead (Pb), Mercury (Hg), Nickel (Ni), Selenium (Se), Zinc (Zn)
	General	pH (acidity), Cyanide (CN ⁻), Thiocyanate (SCN ⁻), Ammoniacal Nitrogen (NH ₄ -N), Sulphide (S ²⁻), Sulphur (S), Organic Matter (OM), Total Organic Carbon (TOC)

Table 3.1 - Summary of Chemical Testing Suites³

Organics	Phenol Poly-Aromatic Hydrocarbons (PAH) Petroleum Hydrocarbons (PH): EPH Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Methyl tert-butyl ether (MTBE) Volatile Organic Compounds (VOCs)
Miscellaneous	Asbestos ID / Quantification
UKWIR	<u>Inorganics</u> : Conductivity, pH (acidity), Redox Potential <u>Organics</u> : EPH C ₁₀ -C ₂₀ , EPH C ₂₀ -C ₄₀ , Total VOCs, BTEX & MTBE, Total SVOCs, Phenols, Cresols & Chlorinated Phenols, TICs
Topsoil Analysis	Soil Texture, Soil Fertility Properties, Phytotoxic Contaminants & Visible Contaminants

Laboratory analysis was compared against a range of Generic Assessment Criteria considering a Residential Without Plant Uptake scenario which is in keeping with previous site assessment. Comparison values and outputs are presented in **Annex B**.

Total PAHs were observed to exceed GAC for human health in a single sample (WS4 @0.2mbgl – 8.1mg/kg). Therefore, in order to accurately assess the risk from Total PAH, speciation was undertaken which splits the total PAH concentration into sixteen components.

Individual PAHs were all measured below the GAC threshold for human health.

In order to accurately assess the risk from Total PH, speciation was undertaken, which splits the Total PH concentration into carbon bandings in accordance with the Total Petroleum Hydrocarbon Criteria Working Group (TPH-CWG).

Speciated Petroleum Hydrocarbons were all found to be below the GAC values for human health.

Each soil sample obtained from the window sample holes was also subject to Head Space Testing using a PID. Three samples (WS7 @0.5mbg and WS4 @0.2 and 0.3mbgl) recorded nominal PID values as shown in the table below.

Location ID	Sample Top	Sample Base	Type	Sample Ref	Sample ID	Remarks (PID Results etc)
WS7	0.50		ES	1	WS7ES1	Stable PID = 60 (Peak = 64)
WS7	1.00		ES	2	WS7ES2	Stable PID = 00 (Peak = 00)_
WS7	1.50		ES	3	WS7ES3	Stable PID = 00 (Peak = 00)_
WS7	2.00		ES	4	WS7ES4	Stable PID = 00 (Peak = 00)_
WS7	3.00		ES	5	WS7ES5	Stable PID = 00 (Peak = 00)_
WS7	4.00		ES	6	WS7ES6	Stable PID = 00 (Peak = 00)_
WS4	0.20		ES	1	WS4ES1	Stable PID = 82 (Peak 82)
WS4	0.30		ES	2	WS4ES2	Stable PID = 82 (Peak 82)
WS4	1.50		ES	3	WS4ES3	Stable PID = 00 (Peak = 00)_
WS3	0.20		ES	1	WS3ES1	Stable PID = 00 (Peak = 00)_
WS2	0.30		ES	1	WS2ES1	Stable PID = 00 (Peak = 00)_
WS1	0.30		ES	1	WS1ES1	Stable PID = 00 (Peak = 00)_

Table 3.2: PID Results Table

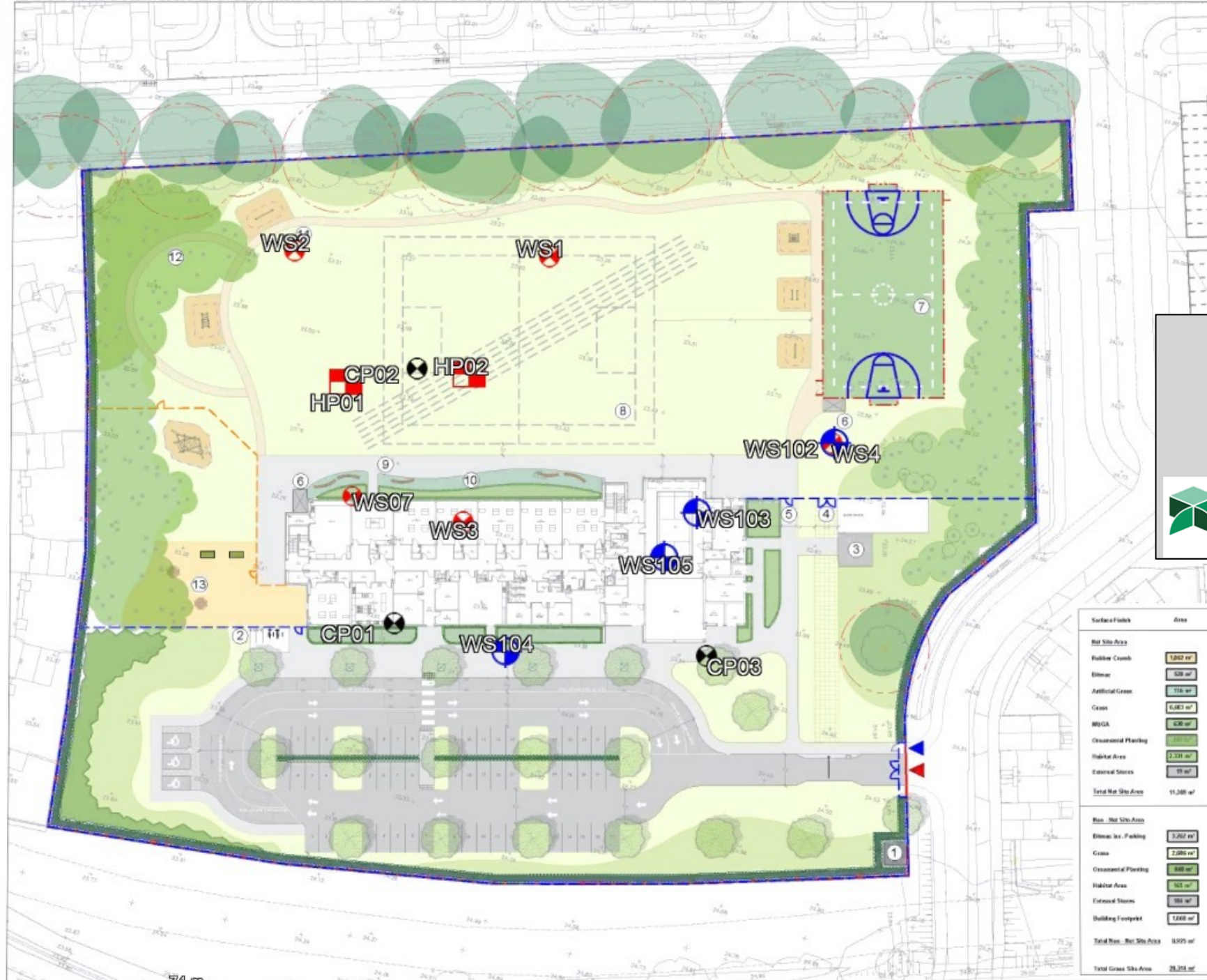
PID values broadly correlated with laboratory findings. There were no other recorded exceedances of contaminants of concern.

4. Discussion of Findings

Although total PAH exceeded the GAC in WS4 (the location of the previously recorded contamination), individual PAHs were found not to exceed GAC values. Additionally, although nominal concentrations of heavy fraction hydrocarbons were recorded in WS4 @ 0.2mbgl and lighter fractions in WS7 @ 0.5mbgl, these concentrations were below GAC for human health guidelines. The presence of hydrocarbons in these locations suggest that some residual contamination remains on site.

Despite this, all measured contaminants were recorded to effectively be below the appropriate guidance values and the site can be considered acceptable for its proposed use as a school. No further investigations or remediation is required at the site.

**Annex A: Exploratory Hole Logs
and
Exploratory Hole Location Plan**



- General Notes**
1. This drawing is to be used for the purpose of a preliminary design only. It is not to be used for construction or any other purpose.
 2. No dimensions are shown on this drawing. All dimensions are to be taken from the approved site plan. The dimensions shown on this drawing are for information only. The dimensions shown on this drawing are for information only. The dimensions shown on this drawing are for information only.
 3. The drawing is to be used for the purpose of a preliminary design only. It is not to be used for construction or any other purpose.
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Key:

- Development Boundary
- Proposed Pedestrian Access
- Proposed Vehicular Access
- Substation
- 4 bicycle and 2 motorcycle parking spaces
- Bin store



Exploratory hole locations 2024



Exploratory hole locations 2023



PO-23-104 Boorley Gardens
Combined Exploratory Hole
Location Plan

Surface Finish	Area
Net Site Area	1,282 m ²
Pavement	628 m ²
Grass	116 m ²
Artificial Grass	6,083 m ²
Gravel	6,083 m ²
Decorative Planting	1,116 m ²
Habitat Area	2,231 m ²
External Stairs	19 m ²
Total Net Site Area	11,280 m²
Net Site Area	1,282 m ²
Grass	2,280 m ²
Artificial Grass	6,083 m ²
Habitat Area	545 m ²
External Stairs	19 m ²
Building Footprint	1,800 m ²
Total Net Site Area	11,280 m²
Total Grass Site Area	28,374 m²



Rev	Description	Date	By	Check
01	Stage 1 Issue	21.09.23	JM	CL
02	Consultation Issue	24.09.23	JM	CL

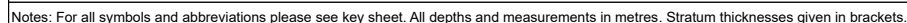
Project Name: Boorley Gardens SEMH

Drawn: JM
Checked: DM/CL
Approved: APV

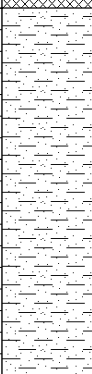
Scale: 1:500 @ A3

Project Name: PO-23-104 Boorley Gardens SEMH

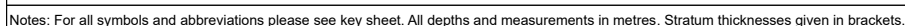
Project Name: PO-23-104 Boorley Gardens SEMH



			Consulting Geotechnical, Geo-Environmental Engineers & Site Investigation Contractors Phone: 033 022 36380 Email: hello@tfwgroup.co.uk			Cardiff Office 5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA			Exeter Office The Slate Barn Lower Lowley Dunsford Exeter EX6 7BP			Portsmouth Office Technopole Kingston Crescent North End Portsmouth PO2 8FA			Borehole No. WS2 Sheet 1 of 1			
Project Name Boorley Green School						Project No. PO-23-014		Date 03/06/2024 to 03/06/2024				Hole Type WS						
Client Hampshire County Council						Co-ords E: 450147.00 N: 114927.00 L:		Water Strike Details				Logged By MB						
Contractor TFW Group								Plant Used Archway Dart		Depth Strike		After 20 mins		Remarks				
														Approved By PG				
														Scale 1:50				
Samples and Results			Depth, (Thickness)		Level		Stratum Description							Legend		Well		
Results		Type	Depth															
		ES	0.30		(0.40)		Stiff greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse, gravel is angular to subangular fine to coarse of brick, quartzite, flint. (Made Ground)											
					0.40		Dense orange SAND with bands of dense grey clayey sand. (Wittering Formation)											
					(0.60)													
					1.00		End of Borehole at 1.00m											
					1													
					2													
					3													
					4													
					5													
					6													
Remarks															Borehole Diameter			
															Base Depth		Diameter	
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.																		

		Consulting Geotechnical, Geo-Environmental Engineers & Site Investigation Contractors		Cardiff Office 5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA		Exeter Office The Slate Barn Lower Lowley Dunsford Exeter EX6 7BP		Portsmouth Office Technopole Kingston Crescent North End Portsmouth PO2 8FA		Borehole No. WS3 Sheet 1 of 1			
Project Name Boorley Green School				Project No. PO-23-014		Date 03/06/2024 to 03/06/2024				Hole Type WS			
Client Hampshire County Council				Co-ords E: 450195.00 N: 114882.00 L:		Water Strike Details Depth Strike After 20 mins Remarks				Logged By MB			
Contractor TFW Group			Plant Used Archway Dart						Approved By PG		Scale 1:50		
Samples and Results			Depth, (Thickness)		Level		Stratum Description				Legend Well		
Results		Type	Depth										
		ES	0.20	(0.30) 0.30				Stiff greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse, gravel is angular to subangular fine to coarse of brick, quartzite, flint. (Made Ground)					
								Soft orange sandy CLAY with bands of grey soft clay. Sand is medium (Wittering Formation)					
				1 (1.70)									
				2 2.00				End of Borehole at 2.00m					
				3									
				4									
				5									
				6									
Remarks								Borehole Diameter					
								Base Depth		Diameter			
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.													

		Consulting Geotechnical, Geo-Environmental Engineers & Site Investigation Contractors		Cardiff Office 5 Deryn Court Wharfedale Road Pentwyn Cardiff CF23 7HA		Exeter Office The Slate Barn Lower Lowley Dunsford Exeter EX6 7BP		Portsmouth Office Technopole Kingston Crescent North End Portsmouth PO2 8FA		Borehole No. WS4 Sheet 1 of 1			
Project Name Boorley Green School				Project No. PO-23-014		Date 03/06/2024 to 03/06/2024				Hole Type WS			
Client Hampshire County Council				Co-ords E: 450264.00 N: 114917.00 L:		Water Strike Details Depth Strike After 20 mins Remarks				Logged By MB			
Contractor TFW Group			Plant Used Archway Dart						Approved By PG		Scale 1:50		
Samples and Results			Depth, (Thickness)		Level		Stratum Description				Legend Well		
Results		Type	Depth										
		ES	0.20										
		ES	0.30	(0.60)				Stiff greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse, gravel is angular to subangular fine to coarse of brick, quartzite, flint. (Made Ground) 0.00 to 0.60m - Fertiliser scent					
				0.60									
				1									
				(1.40)				Dense orange SAND with bands of dense grey clayey sand. (Wittering Formation)					
		ES	1.50										
				2		2.00		End of Borehole at 2.00m					
				3									
				4									
				5									
				6									
Remarks								Borehole Diameter					
								Base Depth		Diameter			
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.													



**Annex B: Chemical Laboratory Data
and
Analysis Tables**

A summary of the Inorganic (Metals) soil chemical test results is shown in the table below.

Table 6.2 - Soil Chemical Test Results – Inorganics (Metals)						
Substance		Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		R wo HP	Min	Max		
Arsenic	Total	40	4.7	26	0	-
	% Bio	-			0	-
Cadmium		150	0.1	0.79	0	-
Chromium		910	16	54	0	-
Chromium III		910	#N/A	#N/A	0	-
Chromium VI		21	0.5	0.5	0	-
Copper		7100	4.3	20	0	-
Lead		310	10	54	0	-
Mercury (Total)		56	0.05	0.13	0	-
Nickel		180	3.8	25	0	-
Selenium		430	0.25	0.99	0	-
Zinc		40000	15	140	0	-

Notes

- % Bio - Denotes Bio-Accessibility of arsenic as a percentage of the total (Gastric + Intestinal).
- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- R_{wo}HP (Residential without Home-grown Produce)
- - No comparable Guideline Value
- A total of 12 representative soil samples were tested for these substances

A summary of the Inorganic (General) soil chemical test results is shown in the table below.

Table 6.3 - Soil Chemical Test Results – Inorganics (General)					
Substance	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
	R wo HP	Min	Max		
Cyanide (Total)	8	0.5	0.5	0	-
Cyanide (Free)	0.1 (LoD)	0.5	0.5	0	-
Thiocyanate	-	5	5	0	-
Organic Matter	Considered in Organic Contaminant Guideline Value Assessment, BS3882 and/or BS8601	0.4	3.2	0	-
Ammoniacal Nitrogen	-	0.93	70	0	-
Sulphide	Considered in BRE SD1	2.5	6.8	0	-
Sulphur (%)	0.8 (LoD)	0.01	0.28	0	-
Sulphate (Total) (%)	Considered in BRE SD1	0.028	0.86	0	-

Notes

- **SGV** - Soil Guideline Value
- **GAC** - Generic Assessment Criteria
- BRE SD1: 2005 - Concrete in Aggressive Ground
- BS 3882: 2015 - Specification for Topsoil
- BS 8601: 2013 - Specification for Subsoil and requirements for use
- C665: 2007 - Assessing risks posed by hazardous ground gages to buildings
- BS 8485: 2007 – Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- UKWIR – Guidance for the Selection of Water Supply Pipe to be used in Brownfield Sites: 2010
- **R_{wo}HP** (Residential without Home-grown Produce)
- **LoD** - Limit of Detection
- * Based on Building Research Establishment (BRE) SD1
- - No comparable Guideline Value
- A total of 12 representative soil samples were tested for these substances

A summary of the Organic (General) soil chemical test results is shown in the table below.

Table 6.4 - Soil Chemical Test Results – Organics (General)

Substance		Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL	
		R wo HP	Min	Max			
SOM							
Total Phenol	1	440	0.1	0.1	0	-	
	2.5	690			0		
	6	1200			0		
Total PAH*		2 (LoD)	2	8.1	1	3.4	
BTEX	Benzene		3.3	0.001	0.001	0	-
	Toluene	1	800	0.001	0.028	0	-
		2.5	1900			0	
		6	3900			0	
	Ethylbenzene	1	83	0.001	0.001	0	-
		2.5	190			0	
		6	440			0	
	Xylene ***	1	79	0.001	0.001	0	-
		2.5	180			0	
		6	430			0	
Methyl tert-butyl ether (MTBE)		1	73	0.001	0.001	0	-
		2.5	120			0	
		6	220			0	

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- SGV - Soil Guideline Value
- CL:AIRE - Generic Assessment Criteria (GAC)
- R_{wo}HP (Residential without Home-grown Produce)
- LoD - Limit of Detection
- SOM - Soil Organic Matter
- VOCs - Volatile Organic Compounds
- SVOCs - Semi Volatile Organic Compounds
- OCP/OPP - Organochlorine / Organophosphorus Pesticides
- * Total PAH - Poly-Aromatic Hydrocarbons, EPA 16 (See Speciated PAH Results Table)
- ** Total EPH – Extractable Petroleum Hydrocarbons, Ali/Aro (See Speciated PH Results Table)
- + Based on worse-case Aromatic C₁₀-C₁₂ fraction
- ++ Based on worse-case Aliphatic C₁₀-C₁₂ fraction
- +++ Based on worse-case Aromatic C₁₆-C₂₁ fraction
- *** - Guideline Value based on worse case of O, M or P - Xylene
- **** Total PCB - Poly-Chlorinated Bi-phenols, Euro 7 (See Speciated PCB Results Table)
- - No comparable Guideline Value
- A total of 12 representative soil samples were tested for these substances

A summary of the Organic (Speciated PAH) soil chemical test results is shown in the table below.

Table 6.5 - Soil Chemical Test Results – Organics (Speciated PAH)						
Substance		Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		R wo HP	Min	Max		
Naphthalene	SOM					
	1	2.3	0.1	0.13	0	-
	2.5	5.6			0	
	6	13			0	
Acenaphthylene	1	2900	0.1	0.1	0	-
	2.5	4600			0	
	6	6000			0	
Acenaphthene	1	3000	0.1	0.1	0	-
	2.5	4700			0	
	6	6000			0	
Fluorene	1	2800	0.1	0.1	0	-
	2.5	3800			0	
	6	4500			0	
Phenanthrene	1	1300	0.1	0.64	0	-
	2.5	1500			0	
	6	1500			0	
Anthracene	1	31000	0.1	0.22	0	-
	2.5	35000			0	
	6	37000			0	
Fluoranthene	1	1500	0.1	1.6	0	-
	2.5	1600			0	
	6	1600			0	
Pyrene	1	3700	0.1	1.4	0	-
	2.5	3800			0	
	6	3800			0	
Benzo(a)anthracene	1	11	0.1	0.71	0	-
	2.5	14			0	
	6	15			0	
Chrysene	1	30	0.1	0.7	0	-
	2.5	31			0	
	6	32			0	
Benzo(b)fluoranthene	1	3.9	0.1	0.91	0	-

Table 6.5 - Soil Chemical Test Results – Organics (Speciated PAH)						
Substance	SOM	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		R wo HP	Min	Max		
	2.5	4			0	
	6	4			0	
Benzo(k)fluoranthene	1	110	0.1	0.35	0	-
	2.5	110			0	
	6	110			0	
Benzo(a)pyrene		5.3	0.1	0.7	0	-
Indeno(1,2,3-cd)pyrene	1	45	0.1	0.44	0	-
	2.5	46			0	
	6	46			0	
Dibenzo(a,h)anthracene	1	0.31	0.1	0.1	0	-
	2.5	0.32			0	
	6	0.32			0	
Benzo(g,h,i)perylene	1	360	0.1	0.45	0	-
	2.5	360			0	
	6	360			0	

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- R_{wo}HP (Residential without Home-grown Produce)
- SOM - Soil Organic Matter
- A total of 12 representative soil samples were tested for these substances

A summary of the Organic (Speciated PH) soil chemical test results is shown in the table below.

Table 6.6 - Soil Chemical Test Results – Organics (Speciated PH)							
Substance			Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
				Min	Max		
Aliphatic	VPH <C5-C6	SOM 1	42	0.05	0.05	0	-
		2.5	78			0	
		6	160			0	
	VPH <C6-C8	1	100	0.05	0.05	0	-
		2.5	230			0	
		6	530			0	
	VPH <C8-C10	1	27	0.05	0.05	0	-
		2.5	65			0	
		6	150			0	
		2.5	92000			0	
		6	110000			0	
Aromatic	VPH <C5-C7	1	370	0.05	0.05	0	-
		2.5	690			0	
		6	1400			0	
	VPH <C7-C8	1	860	0.05	0.05	0	-
		2.5	1800			0	
		6	3900			0	
	VPH <C8-C10	1	47	0.05	0.05	0	-
		2.5	110			0	
		6	270			0	
		2.5	1900			0	
		6	1900			0	

Notes

- S4UL - Suitable for Use Levels
- R_{wo}HP (Residential without Home-grown Produce)
- SOM - Soil Organic Matter
- VPH – Volatile Petroleum Hydrocarbons
- EPH – Extractable Petroleum Hydrocarbons
- + Based on worse-case Aliphatic C₁₆-C₃₅ fraction
- A total of 12 representative soil samples were tested for these substances

A summary of the Organic (VOCs) soil chemical test results is shown in the table below.

Table 6.7 - Soil Chemical Test Results – Organics (VOC's)						
Substance		Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		R wo HP	Min	Max		
SOM						
Benzene		3.3	0.001	0.001	0	-
Toluene	1	800	0.001	0.028	0	-
	2.5	1900			0	
	6	3900			0	
	2.5	3.5			0	
	6	8.2			0	
Ethylbenzene	1	83	0.001	0.001	0	-
	2.5	190			0	
	6	440			0	
m+p-Xylene*	1	79	0.001	0.001	0	-
	2.5	180			0	
	6	430			0	
o-Xylene	1	88	0.001	0.001	0	-
	2.5	210			0	
	6	480			0	
	2.5	3.7			0	
	6	8.8			0	

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- CL:AIRE - Generic Assessment Criteria (GAC)
- R_{wo}HP (Residential without Home-grown Produce)
- SOM - Soil Organic Matter
- * - Guideline Value based on worse case of P – Xylene
- LoD - Limit of Detection
- A total of 12 representative soil samples were tested for these substances

A summary of the Miscellaneous (Asbestos) soil chemical test results is shown in the table below.

Table 6.8 - Soil Chemical Test Results – Miscellaneous (Asbestos)				
Sample No.		ID Result	Comments	Total Mass (%)
WS1	0.3	SOIL	No Asbestos Detected	-
WS2	0.3	SOIL	No Asbestos Detected	-
WS3	0.2	SOIL	No Asbestos Detected	-
WS4	0.2	SOIL	No Asbestos Detected	-
WS4	1.5	SOIL	No Asbestos Detected	-
WS4	0.3	SOIL	No Asbestos Detected	-
WS7	1.5	SOIL	No Asbestos Detected	-
WS7	3	SOIL	No Asbestos Detected	-
WS7	4	SOIL	No Asbestos Detected	-
WS7	2	SOIL	No Asbestos Detected	-
WS7	1	SOIL	No Asbestos Detected	-
WS7	0.5	SOIL	No Asbestos Detected	-

Notes:

- Total Mass (%) is based on Detailed Gravimetric Quantification