

GROUND INVESTIGATION REPORT



FOR LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL

Report No. 5596

Report Production Record		
Report No	5596	
Site Name	Land off Boreham Road, Warminster, BA12 9HL	
Client	Bellway Homes Limited (Wessex)	
Report on	Ground Investigation	
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Report Issue / Revision Record		
Issue No.	Date	Revision Details
1	19 February 2026	Initial Issue to Client (DRAFT)
2	11 March 2026	Final Issue to Client

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GROUND INVESTIGATION REPORT FOR LAND OFF
BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL
PREPARED FOR BELLWAY HOMES LIMITED (WESSEX)

1 INTRODUCTION

- 1.1** The above site is being considered for development. A ground investigation was requested to ascertain the ground conditions for appropriate foundation and ground floor slab design and infiltration rate/groundwater data for drainage design. A preliminary quantitative contamination risk assessment with regard to potential impacts to human health and/or controlled waters has also been undertaken.
- 1.2** The geotechnical investigation has been carried out in general accordance with Eurocode 7 'Geotechnical Design', in particular BS EN 1997-1:2004 and 1997-2:2007 and BS EN ISO 14688-1:2002 and 14688-2:2004. The proposed development is considered to fall into the Geotechnical Category 2 classification, thus routine field and laboratory testing methods have been adopted. Reference has also been made to BS5930:2015 Code of Practice for Ground Investigations, and National House Building Council (NHBC) Standards (2026) Chapter 4.2 – 'Building Near Trees'.
- 1.3** The geo-environmental assessment comprising Phase 1 desk study followed by Phase 2 testing and quantitative contamination risk assessment has been carried out in accordance with BS10175:2011 "Code of Practice for the Investigation of Potentially Contaminated Sites" and Environment Agency (EA) document LCRM "Land Contamination Risk Management" (2020).
- 1.4** This report has been prepared in line with the agreed scope of works as set out within our proposal Q25321 dated 17th November 2025, with written instruction confirmed by Bellway Homes Limited (Wessex), to whom reliance on this report is presently restricted.

2 SITE LOCATION AND DESCRIPTION

- 2.1** Centred on National Grid Reference 389440, 144450 the irregularly-shaped 9.96ha site is located c2km east of Warminster town centre in Wiltshire, as shown on drawing 5596/1.
- 2.2** A walkover survey was undertaken by this Practice on 4th November 2025 and a selection of representative photos is presented in Appendix 1, with their positions and orientations shown on existing site layout drawing 5596/2. This identified the site to comprise three open undeveloped fields and intervening tree lined hedgerows that fronts onto Boreham Road on the southern boundary and from which vehicular access is made via a private farm track. Field 1 is rank grassland, Field 2 is used for cattle grazing, and Field 3 is thought to have been recently seeded with grass following previous arable farming use. The grass appeared healthy with no evidence of die-back that could be suggestive of possible contamination. Field boundary hedgerows contain a number of semi-mature to mature trees, including but not limited to hawthorn, leylandii, ash and yew. On the boundary between Field 1&2 is a small fenced off overgrown area at a slightly lower elevation than the surrounding fields (thought to be an infilled sand pit). The site is bordered by Boreham Barracks and a field to the north, residential properties to the west/southwest, whilst to the south are residential properties and Boreham Road with grassland, woodland and the River Wylde and the east is the grounds of the Bishopstrow Hotel and Spa.
- 2.3** Topographic mapping data derived from the Google Earth mapping service indicates a site elevation of 105-115m above Ordnance Datum (AOD) with a general fall to the south/southwest in line with the immediate surrounding area.

3 DESK STUDY RESEARCHES

Recorded Geology

- 3.1** The geology of the site is shown on the British Geological Survey (BGS) map ST 84 SE and online. This indicates the site to be potentially underlain by four separate bedrock formations. In the extreme northeast corner, the Zig Zag Chalk Formation (ZCk) is mapped. Below much of the north and northeast of the site is bedrock of the West Melbury Marly Chalk Formation (WMCh), which typically comprises buff, grey

and off-white, soft, marly chalk and hard grey limestone. Crossing the centre of the site is a narrow outcrop of Melbury Sandstone Member (MyS) typically comprising richly fossiliferous, glauconitic, fine-grained sand and weakly cemented sandstone with a considerable coccolith content. The south of the site is mapped as Boyne Hollow Chert Member (BHC) which similar to the MyS consists of glauconitic sand and sandstone but with regularly developed nodular and tabular beds of chert and no coccolith content. There are no recorded superficial deposits mapped on site, however the conjectured extent of Alluvium is shown just beyond the southwestern corner of Field 3 so may be locally present in that vicinity. Additionally, a small area of made ground is shown adjacent to the southern boundary of Field 1. This made ground doesn't appear to directly correlate with any features on historical mapping but may be related to a nearby sand pit. No areas of geological faulting are shown either on or within potential influencing distance of the site.

- 3.2** This Practice has not previously undertaken any intrusive investigation on or within a useable distance to the site. The BGS holds records from an archive borehole c320m southeast which recorded firm, brown and grey, sandy silty clay above silty chark marl (WMCK), over silty fine sandstone with glauconite specks (BHC).

Hydrogeology

- 3.3** The Envirocheck resources confirms the bedrock of the WMCK, MyS and BHC are Principal aquifers which means the EA classes them as major, strategically important underground layer of rock or sediment that has high permeability and water storage capacity. There are no nearby EA authorised groundwater abstractors within likely influencing distance and the site does not lie within a groundwater Source Protection Zone (SPZ). Nearest groundwater abstractor is 3km to the east and its Zone 1 SPZ extends to 1.6km of the site.

- 3.4** Based upon the above information, in light of the Principal aquifer status of the underlying strata the site is considered to be within an area of high sensitivity in terms of groundwater resources.

Hydrology

- 3.5** The easterly flowing River Wylfe is circa 50m to the south at its closest point. According to the EA, the site is not considered to be within the likely flood zone of this river (Flood Zone 1). There are no recorded water pollution incidents recorded.

- 3.6** Based upon the above information the site is considered to lie within an area of low sensitivity in terms of controlled surface waters.

Site History

- 3.7** The history of the site has been deduced by inspection of historical Ordnance Survey maps dating back to 1887 together with historical aerial imagery provided as part of the online Google Earth mapping service. A selection of relevant large-scale extracts is presented as drawing 5596/3A-3C and land at greater distance from the site is shown on the smaller scale plans included in Appendix 5. Any on and/or off-site points of interest that may affect or be affected by the proposed development have been summarised within Table 1 below.

TABLE 1: SUMMARY OF SITE HISTORY

Date (Source map scale)	On-Site	Off-Site	Potential Contaminants	Risk
1887, 1889- 1890 (1:10,560 and 1:2,500, 1 st Edition OS Map)	Site predominantly covered by (circa eight) open fields with intervening hedgerows. Small sand pit mapped near western boundary	E – Home Farm and Well W – The Grange S – Smithy 50mS -River Wylfe 80mW – Quarry 100mSW – Mill Pond 155mE – King Barrow (Burial Mound)		Negligible
1900 – 1901 (1:2,500, 1:10,560)	Sand pit mapped as “old”	80mW – Quarry appears to overgrown with trees so presumed no longer in use	None	Negligible
1942, 1947 (1:2,500, 1:10,560)	No significant change	N - Boreham Barracks (army base). Temporary Nissen huts and extended base/overflow areas 223mWNW & 233mNW - Tanks	Pesticides potentially being used in post-war agriculture	Low
1960-1961 (1:2,500, 1:10,560)	No significant change	255mNW Boreham Barracks	As above	Low
1971-76 (1:2500, 1:10,000)	Site combined into four individual fields Sand Pit no longer shown (possibly infilled)	N – Temporary buildings within Barracks no longer mapped. Area closest to site now playing fields W – Residential Estate 80mW – Old Quarry no longer shown (redeveloped with residential properties) 95mS Pond (now disconnected from river)	As above plus: Total petroleum hydrocarbons (TPH) Polyaromatic hydrocarbons (PAH) Asbestos Containing Materials (ACM)	Low / Moderate

Date (Source map scale)	On-Site	Off-Site	Potential Contaminants	Risk
		134mN – Accommodation Block		
1988-94 (1:1,250, 1:10,000)	No significant change	E – Cattle sheds and farmyard constructed	As above	Low / Moderate
1999-present day (Google Earth, Aerial Photos)	No significant change	No significant change	As above	Low

- 3.8** Please note that Ordnance Survey plans only represent periodic snapshots in time, and do not provide a continuous record of previous site usage, there is therefore a risk that the site may contain buried remnant foundations of former buildings or waste products associated with unrecorded previous site usage, which may not be evident from the site walkover inspection and desk study researches.

Landfill Gas and Radon Gas

- 3.9** Consistent with the site history researches the EA landfill register shows no record of either active or historical landfills within potential influencing distance of the site. Site history researches have identified a small former sand pit on site and a small quarry 80m to the west (as shown on drawing 5596/3A-3C). Mapping suggests that both of these features have been infilled (at latest by 1971) the latter of which being developed with residential housing. These small scale features would appear to be related to the small area of made ground mapped on the ST84SE geology map. Given the small size of the pit and quarry and their age (>55 years) the EA would consider that a sufficient length of time has passed that the infill would by now no longer present a significant gassing risk. Based on the foregoing, the risk of landfill type gases posing a risk to the proposed development within the current site of interest is considered negligible.
- 3.10** Envirocheck researches indicate that the site does not lie in a radon-affected area thus no radon protection measures should be necessary in new residential development at this site, although as ever it would be advisable to confirm this with the relevant Building Control Officer.

Unexploded Ordnance Risk

- 3.11** An online review of regional unexploded bomb data on the Zetica website indicates this area of Wiltshire to constitute a low risk (less than fifteen bombs per thousand acres). Despite the presence of an army barracks immediately North of the site they do not appear to have been designated as historical Luftwaffe targets. Should the client have any major concerns regarding the possible presence of unexploded ordnance (UXO), this Practice would be happy to arrange for a more detailed UXO assessment to be undertaken.

Surrounding Land Use

- 3.12** The Envirocheck report (presented as Appendix 5) includes a full search of EA and Local Authority records relating to historical, existing and future proposals for land use, groundwater records in terms of extraction and discharge consents and pollution incidents, listings of premises registered for the use of hazardous substances, industrial land uses and those regarded as sensitive areas. A considerable volume of information is therefore contained within that report and whilst reference should be made to it, for ease of reference the salient features are summarised as follows, and unless stated otherwise are all applicable within a 250m 'influence' radius of the site.

- There are no authority-listed IPPC/IPC sites
- There are no 'contaminated land register' entries/notices
- There have been no historical pollution incidents recorded
- There are four active discharge consents involving sewage discharges into the River Wylye or tributary streams, the closest located 135m to the southeast
- There are no hazardous, 'explosive sites' or premises registered for the use/storage of radioactive substances
- There are no active trade directory entries
- There are no operational fuel stations
- The site is located 47m north of a SSSI and SAC relating to the 'River Avon System'

4 PROPOSED DEVELOPMENT

- 4.1** The site to be is proposed for development with 135 residential properties. All properties are to be located within Fields 1-2, with Field 3 comprising public open space, swales and an attenuation pond. The proposed development layout is recreated as drawing 5596/4 (based on the Pegasus Group drawing ref: P22-1991_DE_02_D_01 dated 11th September 2025). The proposed final ground levels are currently not definitively known but are not believed to be substantially changing from existing.

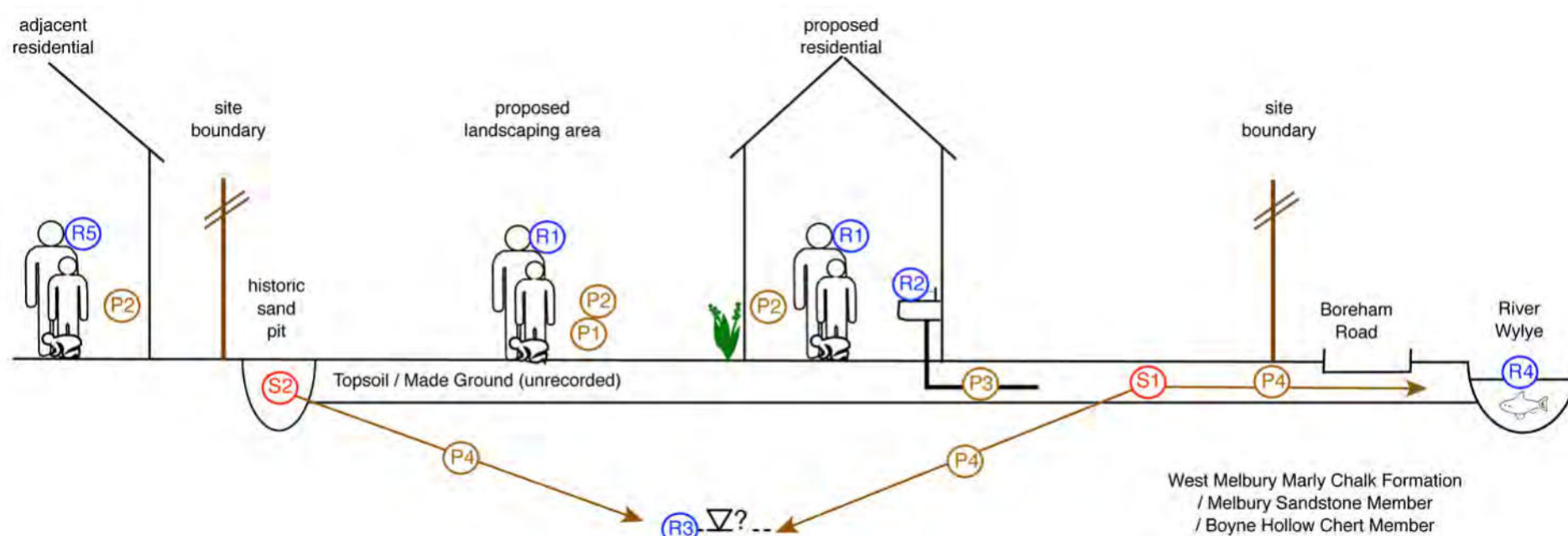
5 PRELIMINARY RISK ASSESSMENT AND CONCEPTUAL SITE MODEL

- 5.1** The site and its immediate surroundings have been assessed in terms of current and historical land use and the environmental, geological and hydrogeological setting; the methodology of which is described in Appendix 3. For risk assessment since the site is to be a residential development, the **critical receptor** would be a female child (age class 1-6) and our assessment has been progressed on this basis.
- 5.2** Review of historical mapping suggests that since the earliest available mapping of 1887 the site has been predominantly agricultural/grazing land, with a small sand pit located near the western boundary. There are no on-site ponds or watercourses. The nearest surface water feature is the easterly flowing River Wylfe 49m to the south.
- 5.3** As discussed in section 3.9, the off-site small scale quarrying/mapped made ground area off-site immediately south of Field 1 has been discounted as a gassing risk due to its age and being redeveloped into a residential area in the 1970s. In view of the foregoing the potential sources and the **principal contaminants of concern** are presented in Table 2 below.

TABLE 2: POTENTIAL SOURCES AND PRINCIPAL CONTAMINANTS OF CONCERN

Potential Sources		Principal Contaminants of Concern
ON-SITE	Unrecorded made ground infilling the historical sand pit	Toxic and phototoxic metals TPH PAH ACM
	Agricultural Fields	Pesticides
OFF-SITE	None	None

- 5.4** The above information is converted into the preliminary Conceptual Site Model shown in Figure 1 below, and the **potential pollutant linkages** involving future residents, proposed services and local environmental receptors are discussed in Table 3, with appropriate risk levels.

FIGURE 1: PRELIMINARY CONCEPTUAL SITE MODEL (NTS)

TABLE 3: SUMMARY OF PRELIMINARY POTENTIAL POLLUTANT LINKAGES

Potential Sources	Pathways	Receptors					Comments	Preliminary Risk Assessment
		R1	R2	R3	R4	R5		
ON-SITE								
S1	P1	X					Topsoil and unrecorded shallow made ground potentially affected by historical pesticide use across agricultural farmland	Low
	P2	X				X		
	P3		X					
	P4			X				
	P5							
	P6							
S2	P1	X					Localised made ground infill potentially elevated in toxic and phytotoxic metals, TPH, PAH, ACM	Medium
	P2	X				X		
	P3		X					
	P4			X				
	P5							
	P6							
OFF-SITE								
None								
SOURCES	S1	Topsoil/unrecorded made ground						
	S2	Infilled historical sand pit						
PATHWAYS	P1	Direct dermal contact or ingestion of soil attached to vegetables grown for consumption						
	P2	Inhalation of dust and vapours						
	P3	Permeation into new water supply pipework						
	P4	Vertical leaching of leachable contaminants in unsaturated zone and lateral migration in saturated zone						
	P5	Landfill gas migration through unsaturated zone and accumulation within confined spaces						
	P6	Radon gas migration through unsaturated zone and accumulation within confined spaces						
RECEPTORS	R1	Future site users (critical residential receptor is female child of age class 1-6)						
	R2	Potable water supply						
	R3	Groundwater – WMCK, MyS and BHC (classified as a 'Principal aquifer)						
	R4	Surface waters – River Wylfe 49m S						
	R5	Adjacent site users (residential)						

- 5.5** The findings of the Phase 1 desk study suggest a generally low (locally medium) risk that the site may contain contaminants at elevations sufficient to pose a significant risk to human health or environmental receptors. A routine site wide general spread sampling strategy ground investigation has been undertaken, during which samples of soil have been taken and subject to testing covering the identified potential contaminants of concern. WS4 targeted the historical sand pit. All contamination test results have been incorporated into an appropriate quantitative risk assessment to determine risk levels to the obvious receptors in the form of future site users and groundwater quality, as well as those less obvious such as the proposed buildings and infrastructure, such that any necessary remedial measures can be identified and recommended to ensure that the developed site will be “fit for purpose”.

6 **GROUND INVESTIGATION REPORT**

Site Works

- 6.1** The Phase 2 intrusive investigation took place in November 2025 and January 2026 by way of borehole drilling and trial pitting. The number and location of all exploratory holes were selected by this Practice and these are indicated on drawings 5596/2 and 5596/3. Exploratory holes were positioned to achieve overall site coverage, target historical features highlighted in the desk study and with percolation tests targeting areas of proposed soft landscaping, swale drainage and an attenuation pond. Following review of any provided service plans, investigation positions were subsequently marked out on site (again by this Practice) using on and off-site reference points. A CAT electrical service scanner was deployed at surface prior to all intrusive works. No services (recorded or unrecorded) were physically encountered during the intrusive works.
- 6.2** Eleven windowless sampling (small diameter) boreholes (WS01-WS11) were drilled up to 4.45m depth using an Archway Competitor Dart window-sampling drilling rig. In-situ standard penetration tests (SPT-C) were undertaken at 1.0m depth intervals in accordance with BS EN ISO 22476-3:2005 to assess the relative density of the material penetrated and these results are indicated on the respective logs in Appendix 2. All arisings were logged in accordance with Eurocode 7 (BS EN ISO 14688-1:2002 and 14688-2:2004) by a suitably qualified engineer from this Practice, and representative disturbed samples taken for geotechnical and contamination testing as

appropriate. The contamination sampling was supplemented by three hand pits (HP1-3).

- 6.3** Boreholes were supplemented by eight (SA1-8) mechanically excavated trial pits for BRE 365 percolation tests to determine the feasibility for soakaway “SUDS-type” drainage. Pits were excavated using a 6 tonne tracked excavator and as above all arisings were logged in accordance with Eurocode 7 (BS EN ISO 14688-1:2002 and 14688-2:2004) by a suitably qualified engineer from this Practice. A detailed description of all strata encountered, depths and types of samples taken and any groundwater observations are included on the relevant exploratory hole logs in Appendix 2.
- 6.4** Trial pits were excavated in two phases. SA1-5 were undertaken on 7th November 2025 with priority given to undertaking tests over as wide an area as possible to assess ‘general soakaway potential’ before committing to undertaking repeat tests. Pits SA1-2 were limited to 0.95-1.00m depth due to excavator refusal on cobbles of the WMck. Following adequate drainage in pits SA3 and SA4, repeat tests were undertaken within the single day of plant hire. Infiltration data is presented on the relevant exploratory hole logs in Appendix 2. Test findings and soakaway feasibility is discussed in Section 6.16-6.19 of this report.
- 6.5** As requested by the drainage engineer, this Practice returned to site on 26-27th January 2026 and trial pits SA3a and SA6-8 were excavated. Pit locations were specified by the drainage engineer to target former SA3 and proposed swale features within the proposed Public Open Space (POS) land. Pits were excavated to depths of up to 1.85m and pits left open overnight with the intention of allowing three test runs to complete. Test findings and soakaway feasibility is discussed in Section 6.19-6.22 of this report.
- 6.6** Upon completion of the works all exploratory holes were backfilled with arisings, compacted either by hand or excavator bucket (for boreholes and trial pits respectively) and surface material replaced.

Laboratory Testing - Geotechnical

- 6.7** Several disturbed samples were taken for routine geotechnical classification testing, comprising moisture content and plasticity determinations, along with classification to

the Unified Soil Classification Scheme (USCS) and NHBC Standards, plus acidity and sulphate analysis to BRE Special Digest 1 requirements. Results are tabulated below.

TABLE 4: INDEX TEST RESULTS AND CLASSIFICATION

WS/TP No.	Depth (m)	Sample of	Moisture Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Plasticity / USCS	Consistency Index	<425 μ m (%)	Modified Plasticity Index (%)	Volume Change Potential (NHBC)
01	0.50	WMck	25.8	61	22	39	CIH	0.90	100	39	Medium
02	1.00	WMck	18.0	51	22	29	CIH	1.14	100	29	Medium
03	1.00	BHC	9.7	-	-	-	NP	-	94	NP	None
05	0.60	BHC	13.9	52	16	36	CIH	1.06	100	36	Medium
06	0.50	BHC	29.8	65	24	41	CIH	0.86	98	40	High
06	1.50	BHC	11.2	-	-	-	NP	-	92	NP	None
07	1.00	BHC	21.6	54	17	37	CIH	0.88	100	37	Medium
07	2.00	BHC	19.1	55	15	40	CIH	0.90	95	38	Medium
07	2.80	BHC	11.3	-	-	-	NP	-	92	NP	None
08	1.00	WMck	12.9	-	-	-	NP	-	96	NP	None
09	1.50	WMck	14.1	45	18	27	CIM	1.14	100	27	Medium
10	1.00	BHC	10.5	36	14	22	CIM	1.16	98	22	Medium
HP1	0.50	BHC	22.6	55	22	43	CIH	0.98	100	43	High
HP2	0.50	BHC	21.3	53	16	42	CIH	0.86	89	37	Medium
HP3	0.50	BHC	21.3	45	18	27	CIH	1.02	93	25	Medium

WMck = Melbury Marly Chalk Formation BHC = Boyne Hollow Chert Member

TABLE 5: CHEMICAL TEST RESULTS AND CLASSIFICATION

WS No.	Depth (m)	Sample of	Total sulphate SO ₄ (%)	Total sulphur (%)	Total potential sulphate SO ₄ (%)	pH value in soil	Water soluble sulphate SO ₄ (mg/l)	Design Sulphate Class	Aggressive Chemical Concrete Class
WS01	0.50	WMck	0.056	0.029	0.087	8.0	66.1	DS-1	AC-1
WS02	1.00-1.50	WMck	0.049	0.019	0.057	7.8	289	DS-1	AC-1
WS03	1.00	BHC	0.063	0.026	0.078	7.7	13.5	DS-1	AC-1
WS05	0.60	BHC	0.053	0.024	0.072	8.1	20.4	DS-1	AC-1
WS06	0.50	BHC	0.040	0.021	0.063	7.5	3.6	DS-1	AC-1

WS No.	Depth (m)	Sample of	Total sulphate SO ₄ (%)	Total sulphur (%)	Total potential sulphate SO ₄ (%)	pH value in soil	Water soluble sulphate SO ₄ (mg/l)	Design Sulphate Class	Aggressive Chemical Concrete Class
WS06	1.50	BHC	0.024	0.011	0.033	8.2	4.59	DS-1	AC-1
WS07	1.00	BHC	0.021	0.011	0.033	7.2	6.97	DS-1	AC-1
WS07	2.00	BHC	0.013	0.005	0.015	7.3	6.99	DS-1	AC-1
WS07	0.00-0.30	TS	0.031	0.017	0.051	7.7	6.40	DS-1	AC-1
WS09	1.50	WMCK	0.051	0.020	0.060	8.3	15.5	DS-1	AC-1
WS10	1.00	BHC	0.017	0.006	0.018	7.8	5.18	DS-1	AC-1
HP2	0.50	BHC	0.016	0.01	0.030	7.5	8.39	DS-1	AC-1
HP3	0.50	BHC	0.031	0.012	0.036	7.6	21.4	DS-1	AC-1

WMCK = Melbury Marly Chalk Formation

BHC = Boyne Hollow Chert Member

Laboratory Testing - Contamination

6.8 The contamination sampling scheme was conducted in accordance with BS10175:2011, and with no proposed development layout provided, sampling aimed to achieve overall site coverage. All test results have been incorporated into an appropriate risk assessment to determine risk levels to the receptors, such that any necessary remedial measures can be identified and recommended to ensure that the proposed development site is 'fit for use'.

6.9 Representative samples of natural subsoil were taken from the upper 1.0m of extracted ground. A general site-wide sampling approach was carried out with WS4 targeting the fill material. Those soils to be scheduled for organic analysis were sealed within opaque amber glass jars to prevent loss of any volatiles during transit, whilst those for inorganic testing were placed in plastic tubs, all with chain of custody labelling. All soils were sent to UKAS accredited i2 Analytical Ltd where (taking account of the principal contaminants of concern identified in Table 2) analysis selectively comprised the following:

- Toxic and phytotoxic metals
- pH
- Asbestos Screen and ID
- Speciated Poly Aromatic Hydrocarbons (PAH)
- Banded Total Petroleum Hydrocarbons - Carbon Range C6-40 (TPH)
- Speciated TPH (CWG) Aliphatic/Aromatic Split – Carbon Range C5-C35

- Soil organic matter content
- Pesticide Screen

6.10 Potential risk to controlled waters has been determined through leachate analysis. Three representative samples of near surface topsoil and made ground were selectively tested to determine leachable content of toxic and phytotoxic metals or speciated PAH.

6.11 The certified laboratory test results are presented as Appendix 3 and for convenience these have also been summarised to facilitate comparison against assessment criteria. All results and their implications upon the preliminary CSM are further discussed in Sections 8 and 9.

Discussion on Ground Conditions

6.12 The site investigation results show ground conditions beneath the site to be generally in accordance with recorded geological mapping and the site has been broadly split into three zones, as shown on drawing 5596/4. Zone 1 is mapped as entirely underlain by bedrock of the WMCK (chalk), as the ZCK (chalk) was not conclusively identified in the northeast corner. Zone 2 is tentatively mapped as underlain by the MyS (sand and sandstone), although as this formation was not readily distinguishable from the BHC (sand and sandstone) which underlies Zone 3, for ease of reporting and geotechnical design, the sand/sandstone below Zone 2/3 is simply referred to as BHC.

Zone 1

6.13 Beneath a thin mantle of topsoil and localised made ground the weathered bedrock of the recorded WMCK was encountered to terminal depths. A summary of the observed strata is presented in Table 6 below, although for specific descriptions of ground conditions, reference should be made to the logs presented in Appendix 2.

TABLE 6: SUMMARY OF OBSERVED STRATA – ZONE 1

Stratum	Base Depth (m)	Notes / Occurrence
TOPSOIL: probable soft, mid brown, organic, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk with many roots from overlying grass	0.35	Encountered in all boreholes and pits
MADE GROUND: probable loose, mid brown, silty, sandy GRAVEL of subangular fine to coarse brick, sandstone, concrete (<i>demolition waste infill of old sand pit</i>)	Proven to 1.30 and inferred to 4.72	Encountered in WS04 only
CLAY: probably firm off white, gravelly CHALK. Gravel is subrounded, fine to coarse chalk (<i>Melbury Marly Chalk Formation</i>)	0.50 – 0.6	Encountered in WS01-WS02, WS08-WS09
CHALK: Dm becoming Dc structureless low density off white 50% 15-20mm clasts 50% silt becoming medium strong, medium density off white structured (Grading A3 / Grade A4) (<i>Melbury Marly Chalk Formation</i>)	>2.15	Encountered in WS01, WS02, WS08 and WS09
Perched/Groundwater SA1 & SA2 - Dry Boreholes – Dry	Roots Roots in topsoil only	Desiccation None visually identified

6.14 Based upon on-site visual and olfactory examination of the subsoil and consistent with the site history there was nothing to suggest the presence of obviously significantly contaminated soil within Zone 1. Whilst deep fill material was locally encountered in WS4 (representing an infilled historical sand pit) material appears to comprise granular demolition/construction waste with no evidence of any domestic and potentially methanogenic/ significantly organic content.

6.15 Index testing performed upon natural weathered WMCK classifies the material as generally medium to high plasticity clay of generally medium volume change potential in accordance with NHBC Standards. The soils were not visually desiccated and calculated Consistency index (CI) values of 0.86 - 1.16 generally confirm this; the slightly higher CI values in WS09 and WS10 are thought to be due to more-granular material. As usual trees and even long grass/weed cover would be expected to desiccate the soil throughout summer months with worst-case conditions expected at the end of a summer season, so depending upon proximity to boundary hedgerows and trees and the time of year of development the foregoing may change from that reported.

Zone 2/3

- 6.16** As discussed in Section 6.12, despite the outcrop of MyS being mapped through the centre of the site, this formation was not positively identified from the arisings. Below surface topsoil all arisings have been described as weathered bedrock of the recorded BHC, as per Table 7 below.

TABLE 7: SUMMARY OF OBSERVED STRATA – ZONE 2/3

Stratum	Base Depth (m)	Notes / Occurrence
TOPSOIL: probable soft, mid brown, organic, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse sandstone occasional chalk with many roots from overlying grass	0.35	Encountered in all boreholes and pits
MADE GROUND: probable soft dark brown slightly gravelly silty plastic CLAY with occasional brick fragment	0.65	SA5 only
CLAY: probably firm off white, gravelly (sandy on the south and east of site). Gravel is subrounded, fine to coarse chalk (sandstone to the <i>(Boyne Hollow Chert Member)</i>)	0.50 – 1.20	Encountered in all exploratory positions except WS04, WS05
SAND: probable loose to medium dense, greenish brown, gravelly. (Gravel is subangular, fine to coarse sandstone) <i>(Boyne Hollow Chert Member)</i>	0.60 – >3.12	Encountered in WS03, WS05-WS07, WS10-WS11 & SA3-7
GRAVEL: probable medium dense, yellowish brown, coarse, cobbly, silty GRAVEL of medium to coarse, fine grained sandstone <i>(Boyne Hollow Chert Member)</i>	>1.50	Encountered in SA8 only
SANDSTONE: weak, yellowish brown fine grained <i>(Boyne Hollow Chert Member)</i>	>3.41	Encountered in WS05, WS11 only
Perched/Groundwater SA3-SA5 – Dry SA6(a) – Dry (>2.3m bgl) SA7 – 1.7m bgl and unstable SA8 – Dry Boreholes – Dry	Roots Roots in topsoil only	Desiccation None visually identified

- 6.17** Water was not encountered in any of the boreholes during the drilling investigation. however initial subsequent monitoring has shown mobile shallow groundwater in WS09 (0.95mbgl on 14.11.25 reducing to 1.27mbgl on 27.1.26, and at 1.7m and 2.54mbgl respectively in SA7 and WS11. The 27th January monitoring followed a period of heavy rain so might represent the worst-case scenario, to be confirmed by the planned monitoring programme. During periods of persistent rainfall surface water movement through the topsoil is considered significant as demonstrated with SA6 filling to surface when left overnight, and yet groundwater was proven to be >2.3m bgl

within pit SA6a only at 5m distance (see appendix 1 for photo records). Based on the intrusive findings it is considered that surface water may remain at minimum founding depths if the trenches are open at times of inclement weather. The planned 6 months of monitoring data will be provided in an addendum report. The groundwater level is of course subject to seasonal fluctuation according to prevailing weather conditions, and the situation encountered and described above could potentially change in the future, especially in a period of seemingly ever-apparent but unpredictable climate change.

- 6.18** Groundwater monitoring wells were installed to 3m depth in boreholes WS01, WS07, WS09, WS10 and WS11, with response zones below 0.5-1.0m depth. Three monitoring visits have since been completed as summarised in Table 8 below, and set to continue as planned.

TABLE 8. INITIAL GROUNDWATER MONITORING RESULTS (TO MID FEBRUARY 2026)

Monitoring Point	Depths on 04/11/25 (m bgl)		Depths on 14/11/25 (m bgl)		Depths on 06/01/26 (m bgl)		Depths on 26/01/26 (m bgl)		Depths on 19/02/26 (m bgl)	
	Water Level (mbgl)	Base Level (mbgl)	Water Level (mbgl)	Base Level (mbgl)	Water Level (mbgl)	Base Level (mbgl)	Water Level (mbgl)	Base Level (mbgl)	Water Level (mbgl)	Base Level (mbgl)
WS01	Dry	1.00	Dry	0.96	Dry	1.00	Damp	0.88	Dry	0.96
WS07	Dry	3.15	Dry	3.14	Dry	3.16	Dry	3.05	Dry	3.11
WS09	Dry	1.57	0.95	1.57	Dry	1.50	1.27	1.38	1.29	1.48
WS10	Dry	2.07	Dry	2.07	Dry	2.10	N/A	N/A	Dry	2.07
WS11	Dry	3.00	Dry	3.00	Dry	3.00	2.54	2.91	1.80	3.00
WS12	-	-	-	-	-	-	-	-	2.34	3.03
WS13	-	-	-	-	-	-	-	-	2.36	2.86

Percolation Testing - Soakaway Feasibility

- 6.19** Percolation testing was attempted in trial pits (SA1-8), with test zone depths between 0.66m and 2.52m into weathered WMCK and BHC strata. SA7 could not be tested as groundwater was recorded at 1.7mbgl negating the minimum 1.0mbgl depth stipulated by the drainage consultant. Additionally, due to the heavy rainfall experienced through January and in particular the night of 26th/27th, surface water runoff filled the pits. Hence, only a single test was possible in SA6, and tests terminated in SA3a and the infiltration rate in SA8 was negligible. Test records are provided on the respective logs in Appendix 2 and calculated infiltration rates are provided in Table 9 below.

Groundwater monitoring will continue for a 6 month period and full results will be provided in an addendum report.

TABLE 9: SUMMARY OF FALLING HEAD TEST RESULTS

WS No.	Test No. and Test Response Zone (m)	Geology	Calculated Soil Infiltration Rate (m/sec)
SA1	(Test 1) 0.71 – 1.3	WMCK	N/A
	N/A		N/A
	N/A		N/A
SA2	(Test 1) 0.66 – 1.30	WMCK	N/A
	N/A		N/A
	N/A		N/A
SA3 /SA3a	(Test 1) 1.52 – 2.15	BHC	1.7×10^{-6} *
	(Test 2) 1.25 – 2.11		** 4.6×10^{-6} *
	(Test 3) 0.79 – 1.50		N/A
SA4	(Test 1) 1.03 – 2.52	BHC	** 5.3×10^{-5}
	(Test 2) 0.93 – 2.39		2.3×10^{-5} *
	(Test 3) 1.29 – 2.26		3.9×10^{-5} *
SA5	(Test 1) 0.99 – 2.35	BHC	6.8×10^{-7} *
	N/A		
	N/A		
SA6	(Test 1) 0.93 – 1.30	BHC	** 1.48×10^{-5}
	(Test 2) 0.85 – 1.27		N/A
	N/A		N/A
SA7	N/A	BHC GWL @ 1.7 m bgl	N/A
	N/A		N/A
	N/A		N/A
SA8	(Test 1) 1.14 – 1.50	BHC	N/A
	(Test 2) 1.10 – 1.46		N/A
	(Test 3) 1.08 – 1.45		N/A

WMCK: West Melbury Marly Chalk Formation

BHC: Boyne Hollow Chert Member

*extrapolated

**denotes soakaway design value

6.20

Results suggest that permeability is broadly poor however the deeper sands encountered in Zone 3 in WS4 and SA4 gave a higher infiltration rate of 5.3×10^{-5}

m/s. Further groundwater monitoring will inform the design of the proposed attenuation pond in that vicinity.

6.21 The testing conducted in Zone 1 encountered clay and chalk that gave negligible infiltration rates so this area is considered unsuitable for the adoption of a conventional SUDS-type soakaway drainage system.

6.22 Given the test results, it is considered that only the superficial BHC (sand) may offer suitable infiltration rate for the design of drainage features involving the transmission of surface water run-off to an attenuation pond and/or connection to the existing drainage network. Otherwise the site-wide adoption of soakaways is not thought practical given the generally impermeable nature of the underlying geology and seasonal surface water flow.

7 GEOTECHNICAL DESIGN REPORT

7.1 Given the logged geology and land use the site has been divided into Zones 1-3 as shown on drawing 5596/3.

7.2 The development plan provided proposes a spread of two-storey residential properties throughout zones 1 and 2. Foundation recommendations at this stage are based on generic line loads envisaged in light of the ground conditions encountered.

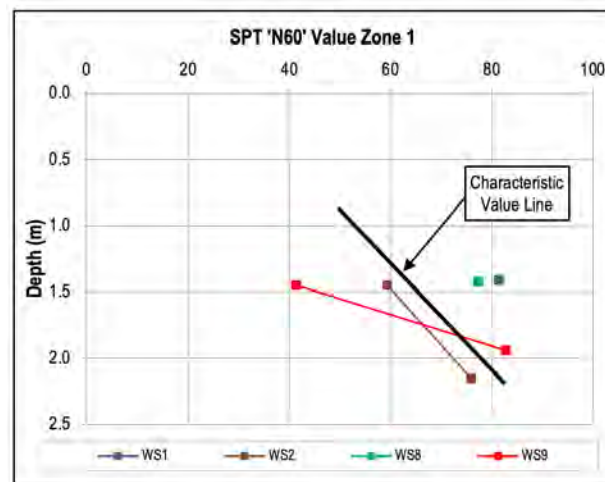
7.3 The proven ground conditions beneath the site vary slightly from recorded mapping. In Zone 1 the WMCK (Chalk) Geology is recorded, in Zones 2/3 the BHC (sandstone) geology is encountered. Zone 3 is the same geology but is currently designated for Public Open Space (POS) and drainage attenuation schemes, so will be referred to in the soakaway suitability section.

Foundation Design – Zone 1

7.4 Exploratory holes encountered weathered gravelly putty chalk grading to structureless low density becoming medium strong density structured chalk at depth representing a typical weathering profile of the recorded WMCK. No superficial deposits were encountered.

- 7.5** The weathered 'putty clay' material classifies as predominantly high plasticity and medium volume change potential, therefore (following NHBC Standards) a minimum founding depth of 0.9m is required, or greater within the radius of influence of trees and obviously subject to those foundations also penetrating through rooted and/or desiccated soils and any localised softer, infilled or disturbed deposits to found in competent undisturbed normally hydrated material.
- 7.6** No visual evidence of desiccated natural soil was identified, additionally CI values suggest that desiccation was not encountered. This is likely to be likely restricted to proximity to the semi-mature and mature hawthorn hedgerows, ash and yew (see drawing 5596/2). As always levels of desiccation will vary seasonally, and usually develop to a maximum by the end of normal dry summers. Subject to ongoing site usage between now and the start of development this situation may change, but based on current findings the minimum founding horizon of 0.9m depth should be appropriate for the bulk of Zone 1.

FIGURE 2: SPT 'N₆₀' VALUE -v- DEPTH



- 7.7** With reference to Figure 2, by adopting a site wide characteristic SPT N₆₀ value of 51 at 0.9m depth, and based on a conventional two-storey residential line load of 45kN/m, the design bearing resistance (bearing capacity) for a standard 0.6m wide strip/trench-fill foundation is estimated to be approximately 504kN/m², which comfortably exceeds the likely bearing pressure of 58kN/m² and confirms suitability. Similar calculations demonstrate that 0.45m foundations would also be suitable at this depth. The design bearing resistance continues to increase with increasing depth so greater founding depths should also be sufficient. To avoid potential differential

settlement steel mesh reinforcement of foundations should be included for those plots in close proximity to the contact/boundary between the BHC/WMCK.

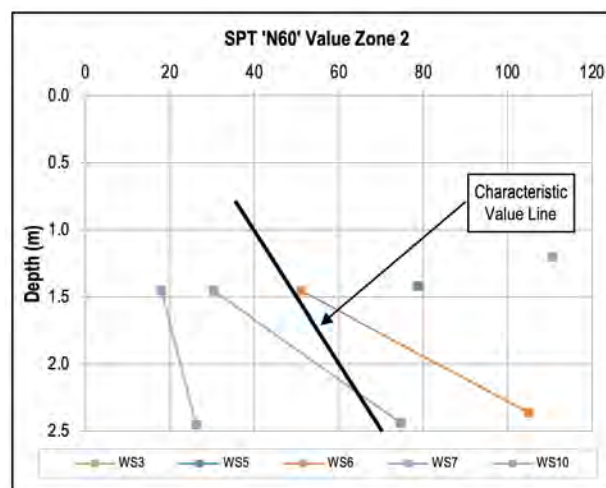
Foundation Design – Zone 2

- 7.8** Exploratory holes encountered weathered gravelly putty chalk grading to structureless low density becoming medium strong density structured chalk at depth representing a typical weathering profile of the recorded BHC. No superficial deposits were encountered.
- 7.9** The natural weathered cohesive soils of the bedrock Hollow Chert Member (BHC) classify as predominantly high plasticity and medium volume change potential, therefore (as with Zone 1) a minimum founding depth of 0.90m is required, or greater within the radius of influence of trees and obviously subject to those foundations also penetrating through rooted and/or desiccated soils and any localised softer, infilled or disturbed deposits to found in competent undisturbed normally hydrated material.
- 7.10** Visual evidence of desiccated natural soil was locally identified, although the CI values suggest that the issue is not widespread and likely restricted to proximity to trees and hedgerows. As always levels of desiccation will vary seasonally, and usually develop to a maximum by the end of normal dry summers. Subject to ongoing site usage between now and the start of development this situation may change, but based on current findings the minimum founding horizon of 0.9m depth should be appropriate for the bulk of Zone 2. Localised deepening will be required in the vicinity of the line of ash trees extending into the Field 2 and along the southwest corner of the field due to various yew, ash in that vicinity (see drawing 5596/2).
- 7.11** Those buildings within the zone of influence of trees will require heave protection in the form of a 50mm thick compressible membrane against the inside face of all external foundations deeper than 1.5m in order to overcome unbalanced lateral heave forces (unless NHBC/Building Control is satisfied that the soil is not desiccated at the time of construction). Such protection should be applied on the inside face of external foundations with the lower 0.50m left unprotected. The same buildings will also require suspended ground floor slabs, which should incorporate a subfloor void of 100mm for in situ concrete or 250mm for pre-cast concrete and timber floors.
- 7.12** Geotechnical design calculations have been undertaken following the requirements of Design Approach 1, Combination 2 within Eurocode 7 (BS EN 1997-1), which require

the establishment of design values for actions, ground properties and ground resistances, and definition of the limits that must not be exceeded (usually a serviceability limit state). Characteristic values of undrained shear strength used for determination of ground bearing resistance have been generated using 'normalised' in situ SPT results (in accordance with BS EN ISO 22476-9:2009).

- 7.13** Uncorrected SPT N-values are shown on the respective borehole logs in Appendix 2. Normalised N-values have been presented as N_{60} versus depth in Figure 2 below. Equivalent undrained shear strength has subsequently been calculated which also takes account of plasticity index.

FIGURE 3: SPT ' N_{60} ' VALUE -v- DEPTH – ZONE 2



- 7.14** With reference to Figure 2, by adopting a site wide characteristic SPT N_{60} value of 37 at 0.90m depth, and based on a conventional two-storey residential line load of 45kN/m, the design bearing resistance (bearing capacity) for a standard 0.6m wide strip/trench-fill foundation is estimated to be approximately 379kN/m², which exceeds the likely bearing pressure of 58kN/m² and confirms suitability. Similar calculations demonstrate that 0.45m foundations would also be suitable at this depth. The design bearing resistance continues to increase with increasing depth so greater founding depths will also be sufficient. As with Zone 1, to avoid potential differential settlement steel mesh reinforcement of foundations should be included for those plots in close proximity to the contact/boundary between the BHC/WMCK.

- 7.15** Note that at the time of foundation excavations, trees and hedgerows should be properly identified by an arboriculturist and accurate distances to the buildings measured to confirm required minimum founding depths.

- 7.16** Although the majority of exploratory holes remained dry and stable with the exception of SA7, high surface water flow has been shown to occur during periods of heavy rain. As always perched/groundwater levels do vary seasonally and care should be taken if development is proposed during traditionally wetter winter months as a potentially higher water table may then result in an adverse effect upon short-term side wall stability. As always it is recommended that any excavations are not left open and unsupported for any longer than necessary.

Buried Concrete Protection

- 7.17** The results of acidity and sulphate testing presented in Table 5 show that buried concrete within open excavations within the WMCK/BHC (to at least 1.5mbgl) can be designed to Design Sulphate Class DS-1 and Aggressive Chemical Environment for Concrete Class ACEC-1 conditions in accordance with BRE Special Digest 1 (2005) i.e. no special sulphate resistance is required.

Pavement Design

- 7.18** With regard to pavement design for external hardstand, the results of index testing at 0.5m depth suggest that CBR value of 3-4% ought to be suitable for initial design purposes across the site. As always it is recommended that insitu testing be carried out closer to the time of construction to obtain a more accurate bearing ratio, since CBR value will vary seasonally. The clay soil is not considered to be frost-susceptible, however the Local Authority should be able to advise based upon their previous experience in the area.

Recommendations for Monitoring of Ground Conditions During Construction

- 7.19** In view of the importance of founding on natural ground, a careful watch must be maintained during all foundation excavations to ensure that this requirement has been satisfied.
- 7.20** Consideration should be given to access into/around the site since the surface soils have the potential to be subject to softening during periods of sustained wet weather.

- 7.21 Due to the potential for cohesive soils to shrink and swell, inspection during foundation excavations should ensure that no live roots or evidence of desiccation is visible at the founding horizon.
- 7.22 In the event of any doubt in the above matters, this Practice would be pleased to attend site as instructed.

8 CONTAMINATION RISK ASSESSMENT

Human Health

- 8.1 The contamination risk assessment has been carried out in general accordance with the methodology described within Appendix 3. Testing has included samples of the near-surface topsoil, made ground and natural subsoil to assess their suitability for retention within a proposed residential development. Tier 1 risk modelling has adopted the most conservative '**Residential with Plant Uptake**' land use scenario, which includes the pathway of direct ingestion via vegetables grown for consumption, and the '**critical receptor**' is taken as a female child of age class 1-6. All results are then compared against published 'Suitable For Use threshold Levels' (S4UL).
- 8.2 Several disturbed samples were taken for laboratory contamination testing as previously detailed in Section 6.8. Whilst these results are presented in full in Appendix 3, for ease of reference Table 10 below provides a summary of the maximum measured concentration of each determinant against respective Tier 1 GAC.

TABLE 10: COMPARISON OF SOIL CHEMICAL TEST RESULTS WITH GUIDELINE VALUES

Determinant	Maximum Measured Concentration (mg/kg)	LQM/CIEH S4UL Residential with plant uptake (mg/kg) \$	Tests Undertaken (No.)	Exceedances (No.)	Notes
Arsenic	9.6	37	12	0	
Cadmium	0.3	11	12	0	
Chromium (III)	28	910	12	0	
Chromium (VI)	<1.8	6	12	0	
Lead	92	*200	12	0	
Mercury	0.6	40	12	0	

Determinant	Maximum Measured Concentration (mg/kg)	LQM/CIEH S4UL Residential with plant uptake (mg/kg) \$	Tests Undertaken (No.)	Exceedances (No.)	Notes
Selenium	1.7	250	12	0	
Nickel	20	180	12	0	
Copper	31	2,400	12	0	
Zinc	100	3,700	12	0	
PAH compounds	Dibenz(a,h)anthracene 0.47 (3.7)	Various 0.30 (residential) 0.58 (POS residential) (3.7 Benzo(b)fluoranthene)	7	1	WS04 0.40-0.60m
TPH compounds (C6-C40)	16	Various (16 C21-C35)	12	0	
Pesticides	<0.01	Various	5	0	
Asbestos Screen	ND	<0.001%**	9	0	
Notes:					
ND = None Detected					
* provisional C4SL					
** Limit requiring control measures					
\$ based on soil organic matter = 6%					

- 8.3** The findings presented in Table 8 and within Appendix 3 indicate a single elevation of the PAH compound Dibenz(a,h)anthracene in WS4/0.40-0.60mbgl relating to the demolition/construction backfill material within the historical sand pit. No other elevations of toxic and phytotoxic metals, pesticides, PAH or TPH compounds and additionally no loose fibres of asbestos were identified. The infilled area (WS04) is currently designated as landscaping/Public Open Space (residential) and this values meets the criteria for that 'suitable for use' level so is not deemed to represent a risk, however should the development plan change this area would **not** be suitable for gardens. Otherwise this preliminary assessment suggests that the subsoil below the site is not generally considered to pose any risk to human health.

Water Supply Pipework

- 8.4** In addition to the above, consideration has been given to the potential effects of recorded concentrations on new water utility pipework. Given the absence of organic contaminants there ought to be no requirement for upgraded barrier pipework, but as always it is recommended that advice be sought from the local regulatory authority prior to ordering, since it is possible that their specific in-house thresholds may differ markedly from those within the most recent guidance by UK Water Industry Research

(UKWIR) report "Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites" (2010).

Landfill Gas and Radon Gas

- 8.5** It was previously established in the desk study researches that the site is not at risk from natural radon gas or landfill gases. The exploratory holes have since found no evidence of methanogenic materials beneath the site (the old sandpit backfill seems to be dominantly inorganic granular) thus gas protection measures are not considered necessary within the proposed development.

Controlled Waters

- 8.6** None of the three leachate tests recorded any results that exceed relevant EA EQS values, thus the site is not considered to pose any significant pollution risk to controlled waters.

Waste Classification for Offsite Disposal of Arisings

- 8.7** In accordance with current legislation all soil arisings generated for disposal as part of this development site are by definition a "commercial waste" and will be classified as both a directive and a controlled waste. Should it be necessary to remove from site any surplus excavation arisings and/or the above ground stockpile, then as per the European Waste Catalogue (EWC) these will be coded 1705, that is "soil (including excavated soil from contaminated sites), stones and dredging spoil".
- 8.8** Using the HazWasteOnline software and in accordance with Technical Guidance Waste Management 3 (TGWM3 v1.2, October 2021) the contamination test results for soil beneath the site have been compared with respective threshold data as set out in TGWM3 in order that this specific waste stream can be classified. As shown in Appendix 4, all material would be classified as a "Non-hazardous Mirror Entry" under EWC Code 170504 (soil and stones that do not contain the tested dangerous substances above the respective threshold value).
- 8.9** On the assumption that those non-hazardous arisings will be considered for disposal as inert waste to take advantage of a lower tipping rate, Waste Acceptance Criteria (WAC) testing has also been undertaken on three representative composite samples of the three zones (Fields 1-3 see 5596/2) across the site destined for off-site disposal. As shown in Appendix 4, all determinands fall within acceptable thresholds for inert

waste (EWC code 17-05-03). It is recommended that the WAC results together with the contamination test data are provided to the chosen landfill operator for their own assessment of acceptability in advance of soil arrival.

Caveats

- 8.10** In line with best industry practice the scope of contamination testing has been based upon the site history, current land usage and actual findings, with reference where necessary to DoE Industry Profiles and DEFRA/EA guidance. To the best of our knowledge information concerning the land quality assessment is accurate at the date of issue, however subsurface conditions including ground contamination may vary spatially and with time. There may be conditions pertaining to the site not disclosed by the above sources of information, which might have a bearing upon the recommendations made, were such conditions known. We have however used our professional judgement in order to limit this during the investigation.
- 8.11** The conclusions and recommendations made in respect of land quality do not address any potential risks to site operatives or ground workers during the construction stage. These issues should be addressed by the Principal Contractor in accordance with the relevant statutory procedures and regulations (CDM Regulations 2015).
- 8.12** It is important that these limitations be clearly recognised when the findings and recommendations of this report are being interpreted. Additional assessment may be necessary should a significant delay occur between report date and implementation of the proposed scheme to which it relates.

9 REFINED CONCEPTUAL SITE MODEL

9.1 In view of the above discussions the preliminary conceptual site model has been refined as shown in Figure 4 and Table 11 below.

FIGURE 4: REFINED CONCEPTUAL SITE MODEL (NTS)

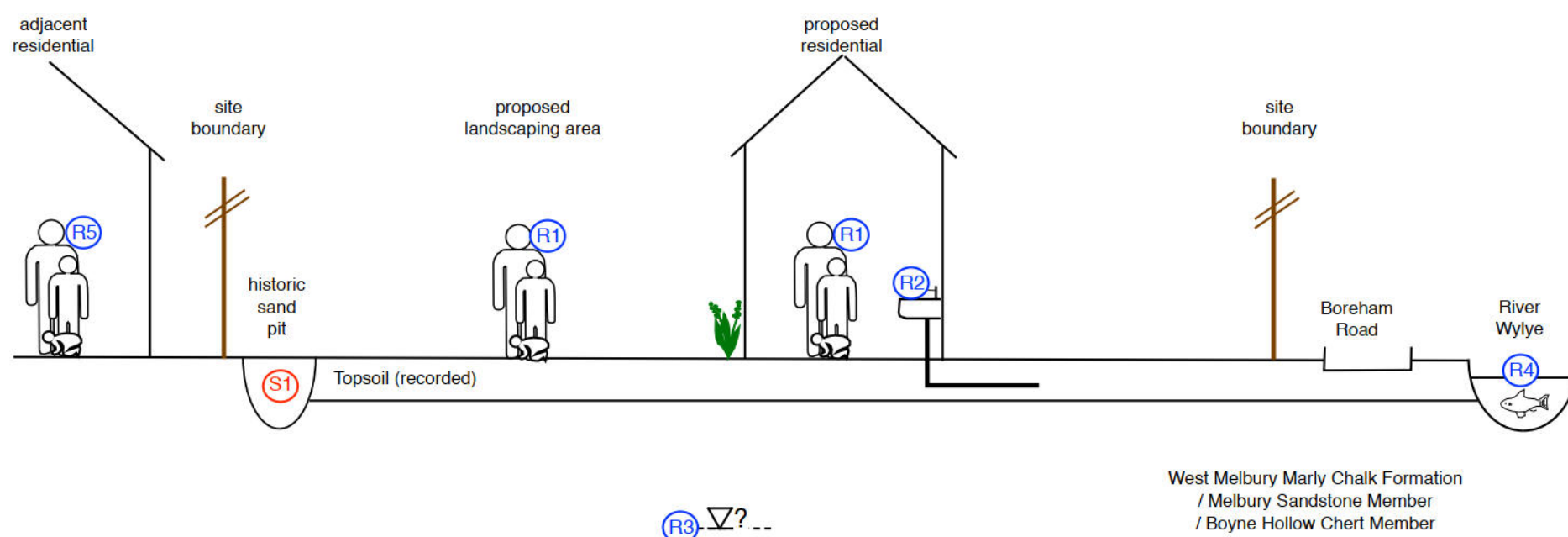


TABLE 11: SUMMARY OF POTENTIAL / IDENTIFIED POLLUTANT LINKAGES

Potential Sources	Pathways	Receptors					Comments	Refined Risk Rating	Remedial/Mitigation Requirements
		R1	R2	R3	R4	R5			
ON-SITE									
S1	P1						Single elevation of Dibenz(a,h)anthracene in WS4 0.40-0.60mbgl	Low	None required since the historical sand pit is currently designated as landscaping/Public Open Space (residential) and meets the criteria for that 'suitable for use' level. Should the development plan change, this area would not be suitable for gardens
	P2								
	P3								
	P4								
	P5								
	P6								
OFF-SITE									
None									
SOURCES	S1	Infilled sand pit							
PATHWAYS	P1	Direct dermal contact or ingestion of soil attached to vegetables grown for consumption							
	P2	Inhalation of dust and vapours							
	P3	Permeation into new water supply pipework							
	P4	Vertical leaching of leachable contaminants in unsaturated zone and lateral migration in saturated zone							
	P5	Landfill gas migration through unsaturated zone and accumulation within confined spaces							
	P6	Radon gas migration through unsaturated zone and accumulation within confined spaces							
RECEPTORS	R1	Future site users (critical residential receptor is female child of age class 1-6)							
	R2	Potable water supply							
	R3	Groundwater (WMCK, MyS and BHC are principal aquifers)							
	R4	Surface waters – River Wylfe 49m S							
	R5	Adjacent site users (residential)							

10 CONCLUSIONS AND RECOMMENDATIONS

- 10.1** The foregoing discussions and recommendations are based upon the results of a geo-environmental desk study, followed by intrusive ground investigation comprising boreholes and hand pits for geotechnical and contamination laboratory testing and trial pits for soakaway testing. The exploratory holes appear to present a generally consistent pattern of subsoil conditions although as always, a careful watch should be maintained for any anomalous conditions during site stripping and excavation, which should be reported back to this Practice for further investigation and assessment.
- 10.2** Phase 1 researches indicate that since the earliest available mapping of 1887 the site has comprised undeveloped agricultural land, with a small sand pit on the western boundary of Field 2 and another 80m W off-site. Between 1971 and 1974 the sand pits were infilled. Other than minor changes to internal animal grazing paddocks the site remains unchanged to the present day.
- 10.3** Considering that the fields have been used for post-war arable grazing, there was considered to be a preliminary risk of historical pesticide use. Additionally, the historical sand pit was targeted as a potential risk considering the potential for deep and methanogenic made ground.
- 10.4** Investigation has proven that beneath surface topsoil the Zone 1 ground profile comprises gravelly clay above structureless becoming structured chalk bedrock (MWCK). Zone 2 records BHC with variable clay, sand and localised gravel and weathered sandstone locally encountered at variable depths. High surface water flow has been shown to occur during periods of heavy rain. Groundwater monitoring is ongoing and will be reported in an addendum report. As always perched/groundwater levels do vary seasonally and care should be taken if development is proposed during traditionally wetter winter months as a potentially higher water table may then result in an adverse effect upon short-term side wall stability. As always it is recommended that any excavations are not left open and unsupported for any longer than necessary.
- 10.5** Foundations will need to penetrate any near surface disturbed, softer or desiccated ground to found at minimum 0.9m depth within normally hydrated soils of the WMCK and BHC bedrock. No desiccation was noted during the investigation however plot specific founding depths will need to be calculated for those plots that fall within the zone of influence of trees and hedgerows. Suspended ground floor slabs and heave protection are likely to be required for those plots within the zone of influence of trees

and hedgerows. In order to avoid potential differential settlement the localised placement of steel mesh reinforcement is recommended for those plots that straddle the contact/boundary between the BHC/WMCK.

- 10.6** Buried concrete in the BHC/WMCK up to 1.5mbgl can be designed to standard Design Sulphate Class DS-1 and Aggressive Chemical Environment for Concrete Class ACEC-1 conditions in accordance with BRE Special Digest 1 (2005) i.e. no special sulphate resistance is required.
- 10.7** Proposed road/pavement design can be based upon a preliminary CBR value of 3-4%. Such material is unlikely to be frost-susceptible but as always in-situ tests or soaked CBR lab tests closer to the time of construction are recommended.
- 10.8** BRE365-compliant percolation testing has largely indicated low infiltration potential, apart from localised deeper sand (BHC) in Zone 3 (SA4, in the area of the proposed attenuation pond).
- 10.9** A detailed ground contamination risk assessment indicates the site to be effectively uncontaminated although the infilled historical sand pit is only suitable for Public Open Space usage - as per the current development plan. Pre-construction remediation is not therefore currently considered necessary.
- 10.10** There are no requirements for landfill gas or radon gas protection measures in new development at this site.
- 10.11** Since this is pre-planning this report and attachments should be lodged with the local planning authority at the time of submitting the application.
- 10.12** This report is subject to our standard terms and conditions.

11 REFERENCES

Geotechnical

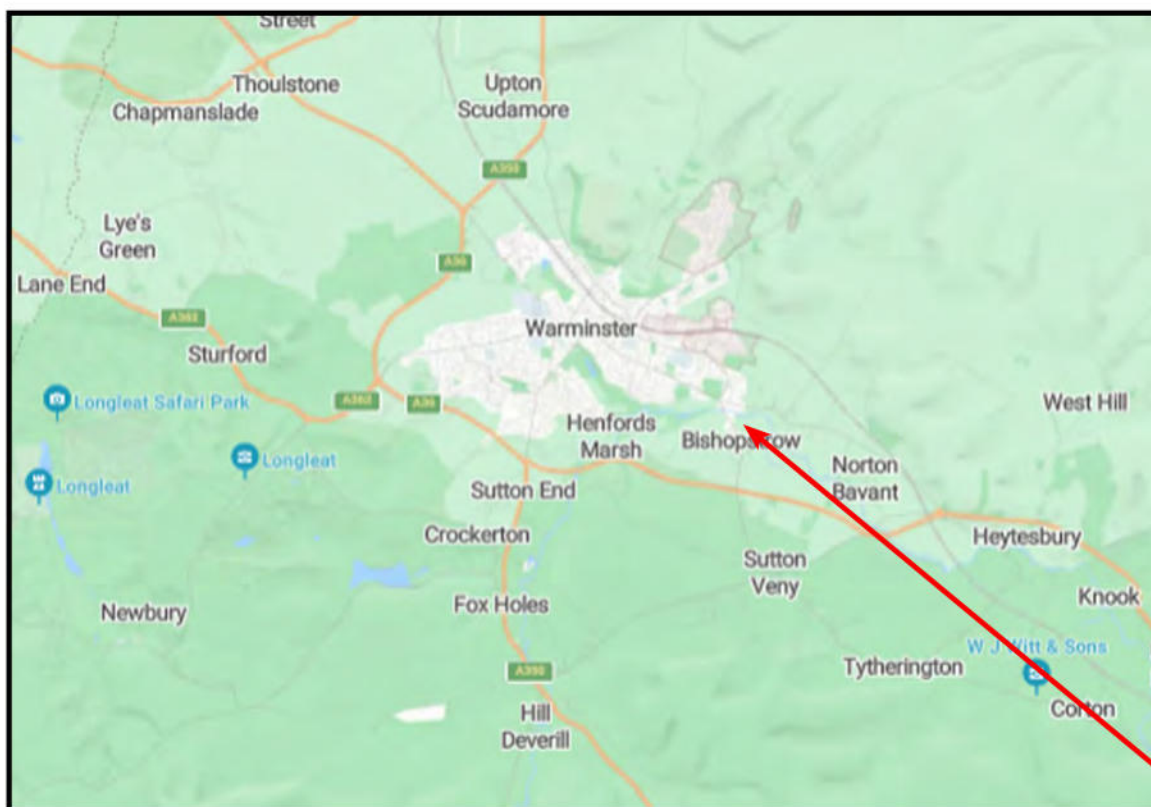
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- National House Building Council (NHBC) Standards: Chapter 4.2 '*Building Near Trees*' (2025)
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Environmental

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- Landmark Envirocheck report.. 395748070_1_1
- Environment Agency (www.environment-agency.gov.uk)
- Zetica (www.zetica.com)
- Google Earth (current and historical aerial mapping plus street view)
- UK Grid Reference Finder (www.gridreferencefinder.com))
- MAGIC (www.magic-defra.gov.uk)
- One Touch Data (www.HazWasteOnLine.com)

SITE LOCATION (based on Microsoft Bing mapping)

Job No.	Drawing No.	Scale:	Date:
5596	5596/1	NTS	13-02-26



THE
SITE



P1 ↓ Number and direction of photograph (Appendix 1)

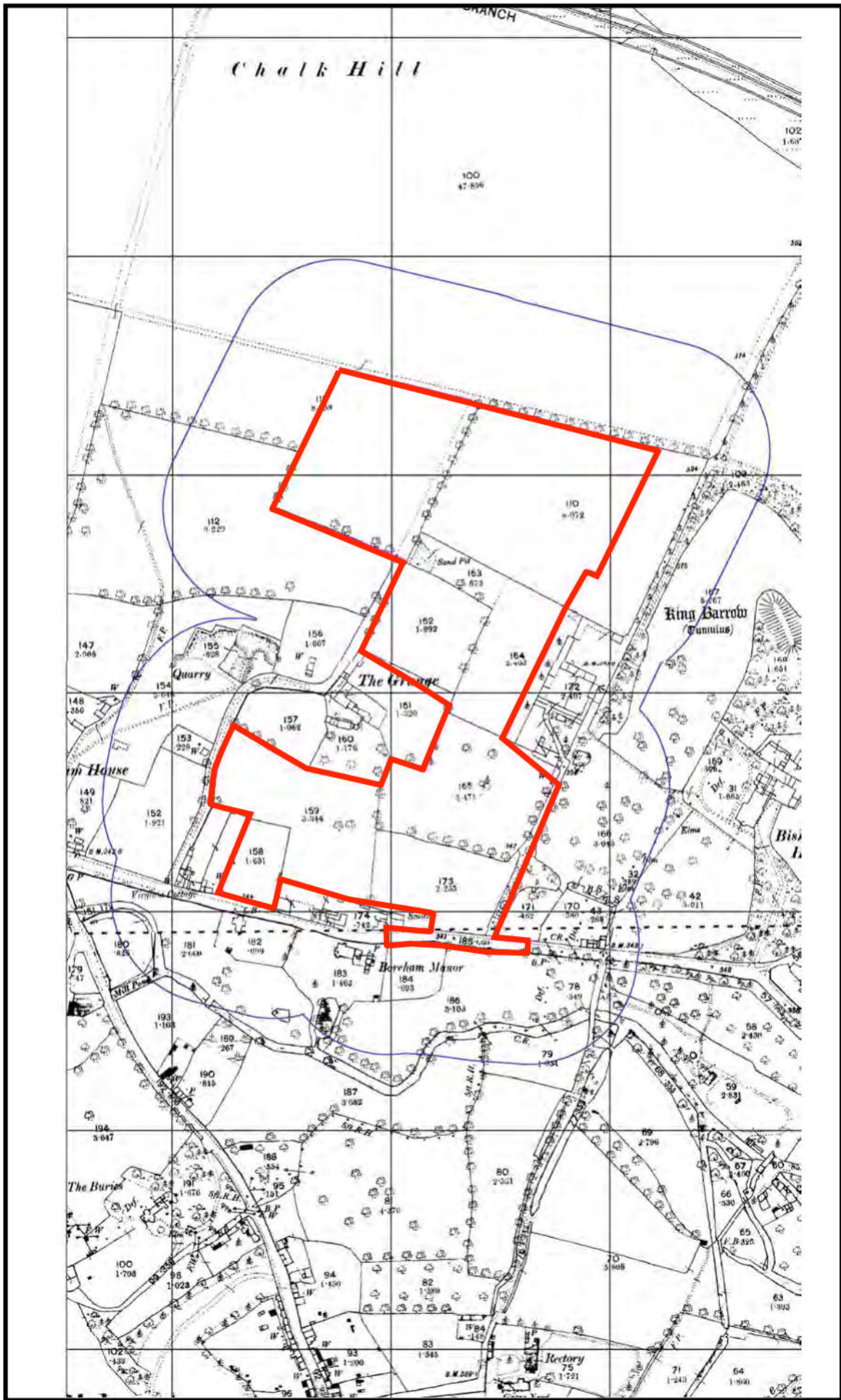
LAND OFF BOREHAM ROAD, WARMINSTER,
WILTSHIRE BA12 9HL



Wilson Associates
Consulting Engineering Geologists & Geo-Environmental Engineers

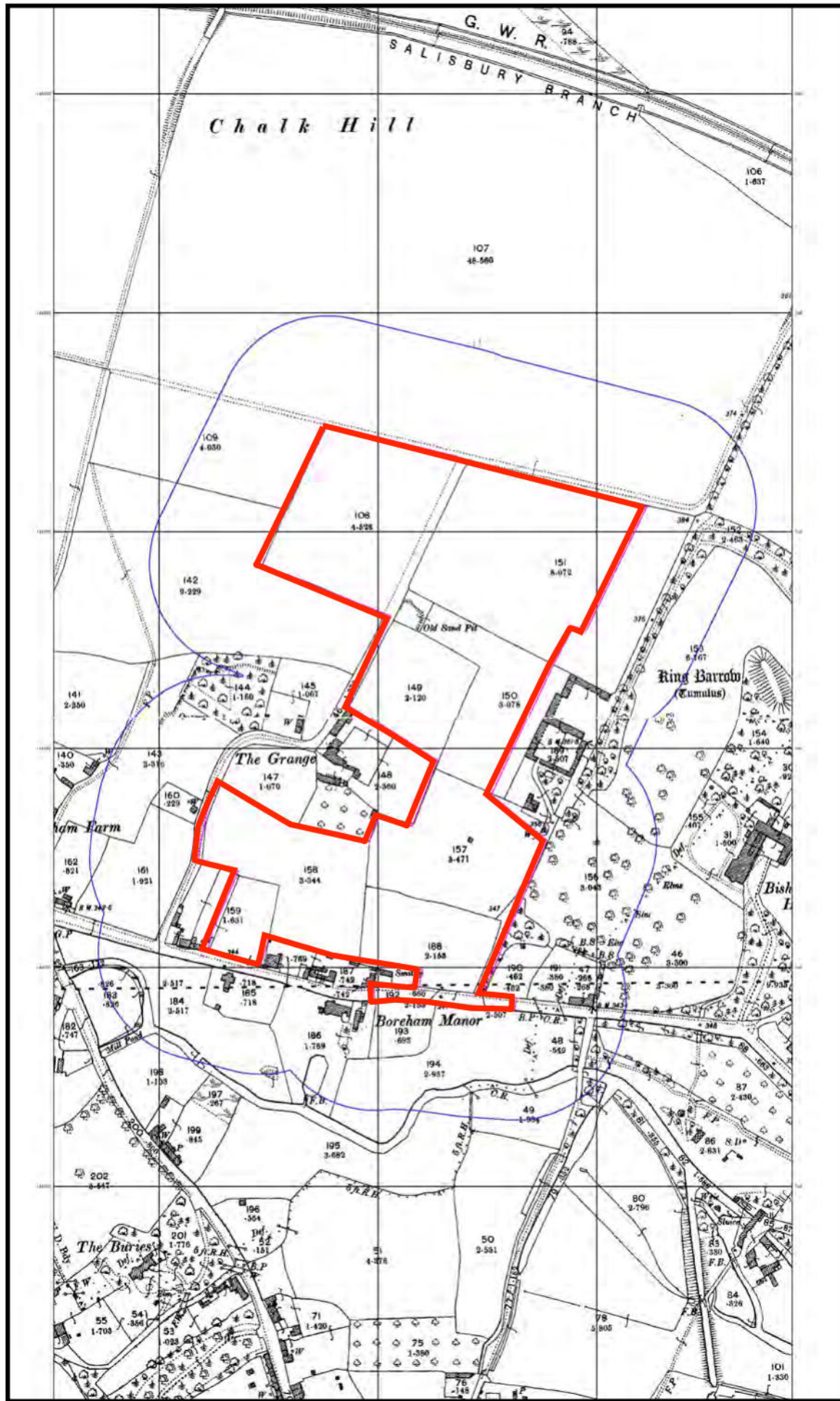
EXISTING SITE LAYOUT SHOWING FIELD DESIGNATION, WALKOVER NOTES AND
PHOTOGRAPHS

Job No. 5596	Drawing No. 5596/2	Scale. NTS @ A3	Date. 12-11-25
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1887

(scale 1:5000)



1900

(scale 1:5000)



LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE
BA12 9HL

EXTRACTS OF ORDNANCE SURVEY PLANS TO SHOW SITE HISTORY

Licence No: LAN 1000019

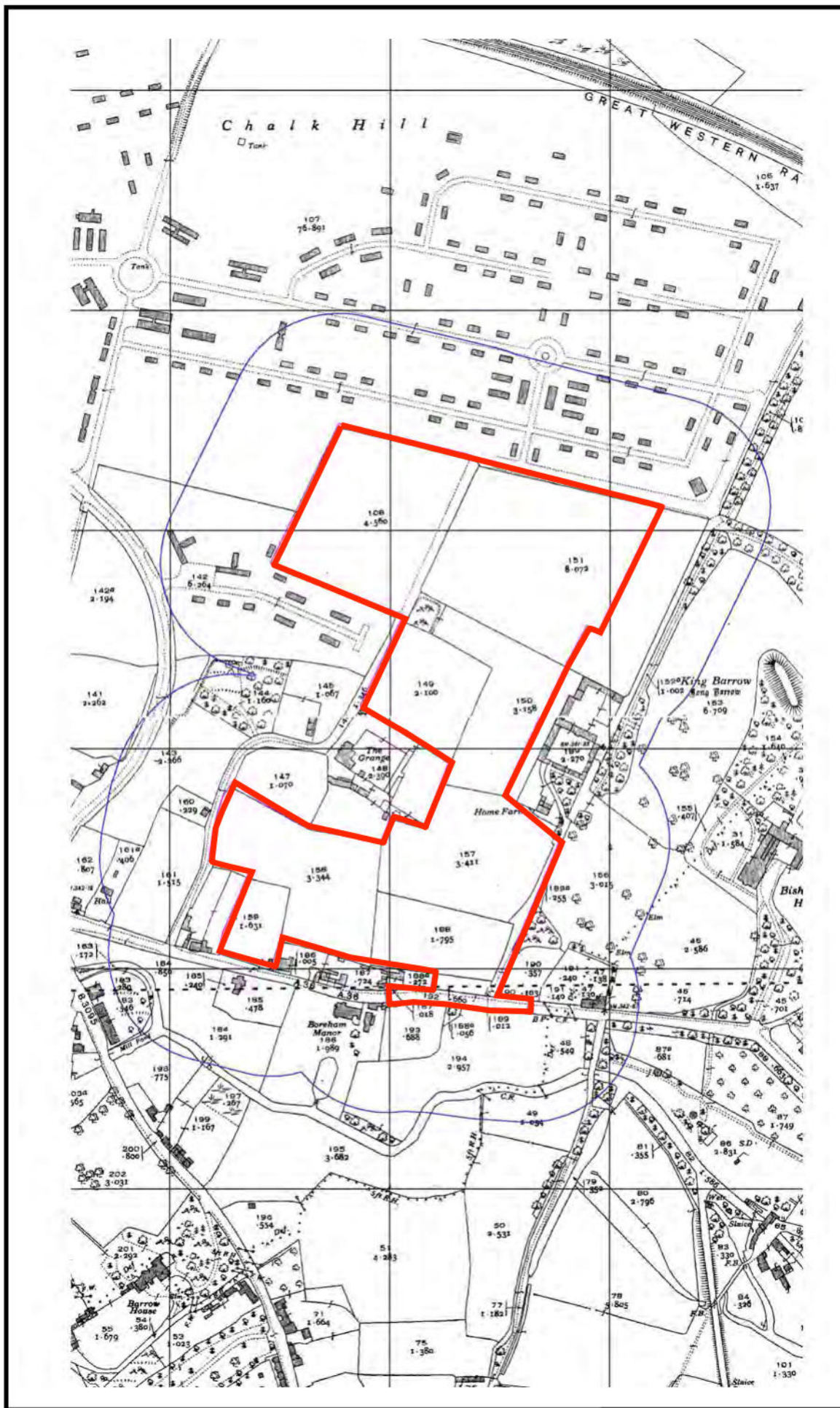
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Job No. 5596

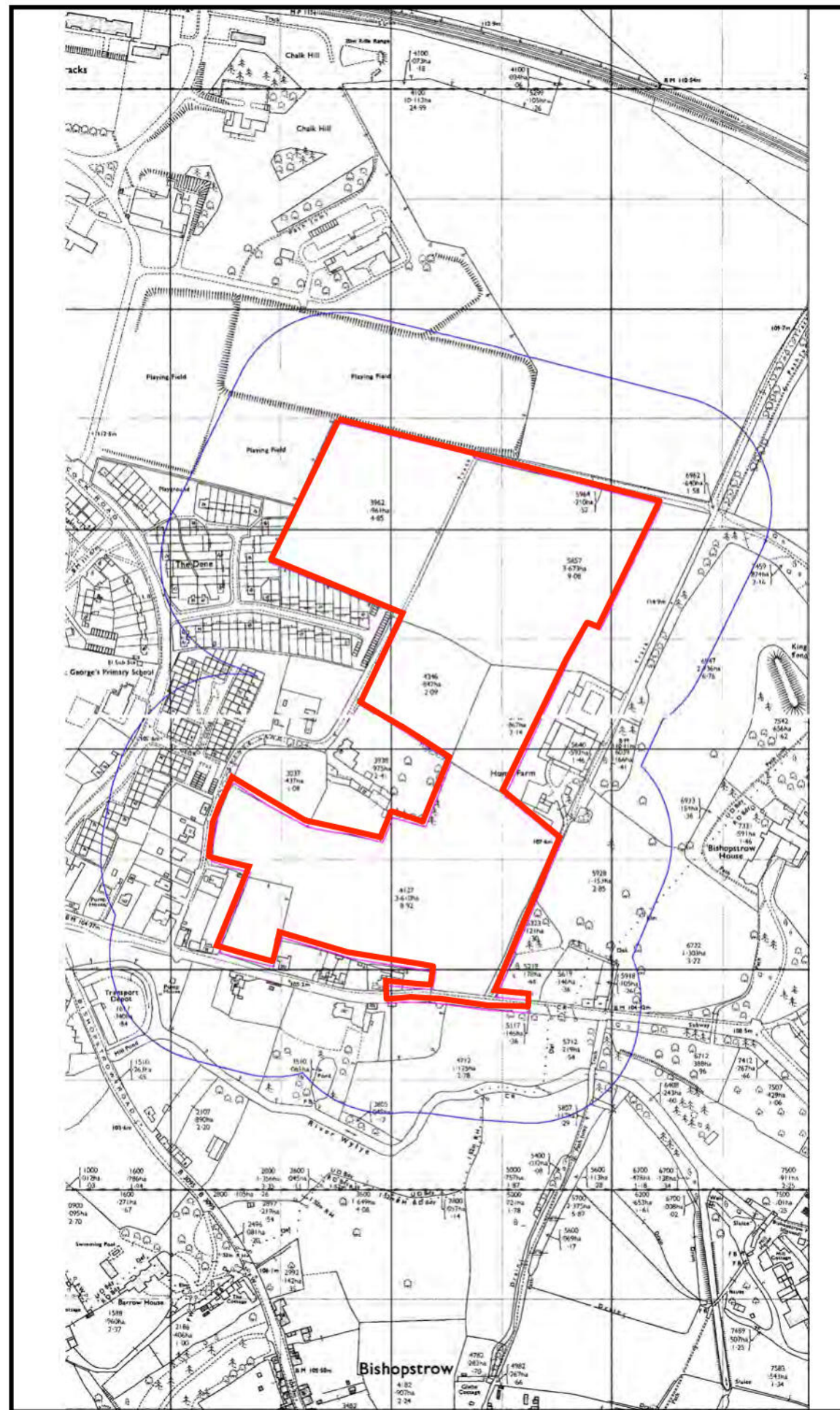
Drawing No. 5596/3A

Scale: as shown

Date: 16-02-26



1942
(scale 1:5000)



1971-74
(scale 1:5000)



LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE
BA12 9HL

EXTRACTS OF ORDNANCE SURVEY PLANS TO SHOW SITE HISTORY

Job No. 5596

Drawing No. 5596/3B

Scale: as shown

Date: 16-02-26



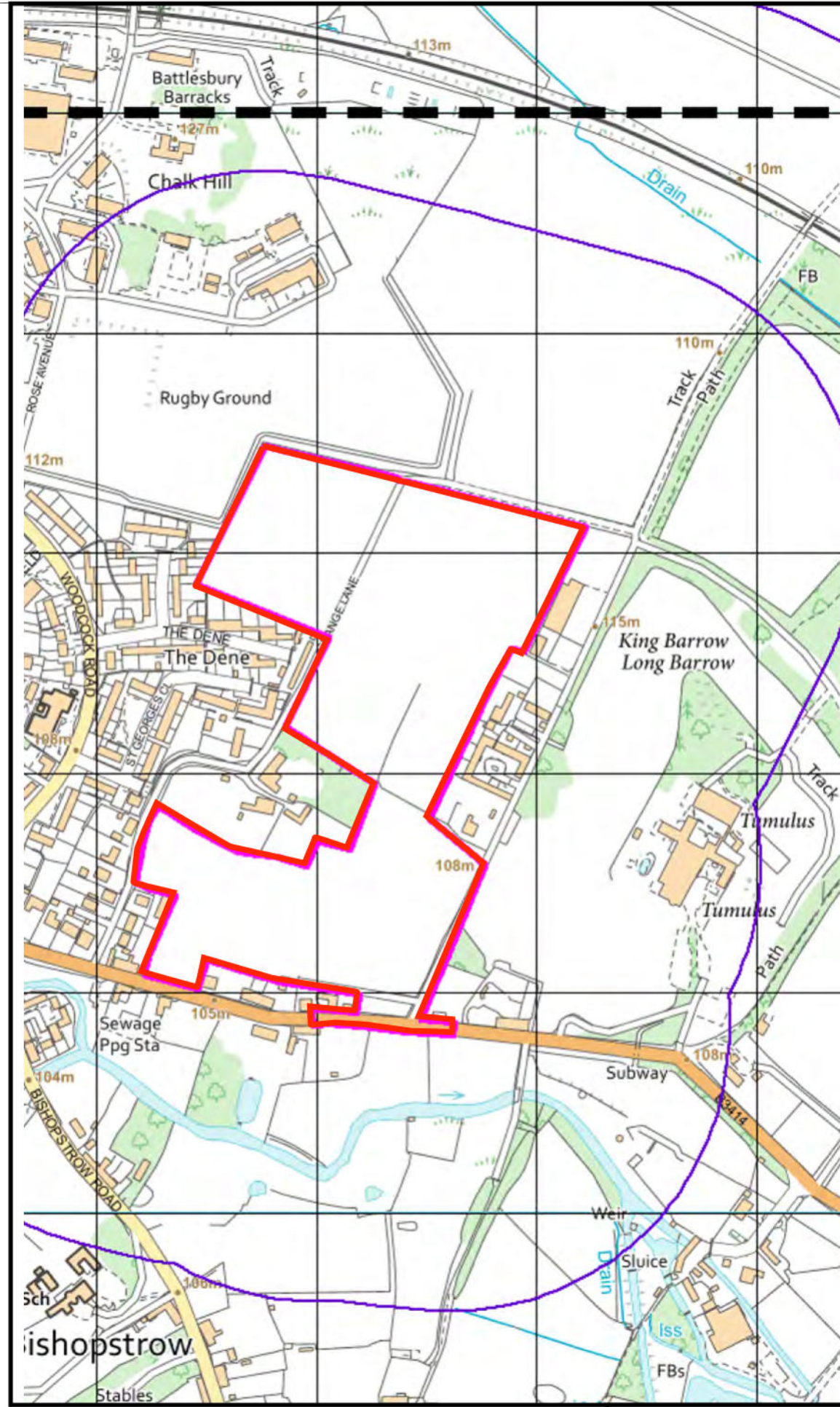
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1999

(scale 1:5000)



2025

(scale 1:5000)



LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE
BA12 9HL

EXTRACTS OF ORDNANCE SURVEY PLANS TO SHOW SITE HISTORY



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Job No. 5596

Drawing No. 5596/3C

Scale: as shown

Date: 16-02-26



APPENDIX 1

SITE PHOTOGRAPHS



Photograph **P1**



Photograph **P2**



Photograph **P3**



Photograph **P4**



Photograph **P5**



Photograph **P6**



Photograph **P7**



Photograph **P8**



Photograph **P9**



Photograph **P10**



Photograph **P11**



Photograph **P12**



Photograph **P13**



Photograph **P14**



Photograph **P15**



Photograph **P16**



Photograph **P17**



Pit SA6a – No groundwater recorded to 2.3m bgl

APPENDIX 2

TRIAL PIT AND BOREHOLE LOGS (INCLUDING PHOTOGRAPHS)

KEY TO BOREHOLE LOG SYMBOLS

Symbol	Explanation
D or J	Small Disturbed Sample (tub or jar sample)
B	Large Disturbed Sample
U	Undisturbed Sample
W	Water Sample
U70	Undisturbed Sample

Undrained Shear Strength Test (HSV)

90	Hand vane - direct reading in kN/m ²
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Standard Penetration Test (SPT)

15	SPT 'N' Value (BS EN ISO 22476-3:2005)
125/50	Where full test drive not completed, penetration (125mm) and blow count (50) recorded
NR	No effective penetration

Water



Water struck



Water standing

Test/Core Range

TCR	Total Core Recovery - as percentage of core run. Where value significantly exceeds 100%, a note is given on remarks on log
SCR	Solid Core Recovery - as percentage of core run. Note: assessment of solid core is based on full diameter
RQD	Rock Quality Designation - the amount of solid core greater than 100mm expressed as percentage of core run Where SPT has been carried out at beginning of core run, disturbed section of core excluded from SCR and RQD assessment

Instrumentation



Bentonite Seal



Solid / Perforated Standpipe



Granular Response Zone

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS01	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 114.00	Co-Ordinates (c.) E 389,579 N 144,627		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

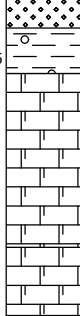
SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick-ness)	DESCRIPTION		
0.00-0.25	ES	N25/ 125 mm				0.25	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk	WMck	
0.50	D					0.50	CLAY: probable soft, off white gravelly CLAY. Gravel is sub-rounded, fine to coarse chalk		
						(0.40)	Dm becoming Dc structureless CHALK low density off white 50% 15-20mm clasts 50% silt		
1.00-1.41	SPT C					0.90			
1.41						1.00	Medium strong, medium density off white structured CHALK. Discontinuities unknown as refused on it		
							Core Recovery: 0.0 - 0.50m: Hand-dug starter pit 0.50 - 1.0m: 100% Dynamic sampling: 0.50-1.00m. No casing used. No groundwater encountered. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 0.50-1.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-0.50m. Flush 150mm steel cover set in concrete.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected WMck = West Melbury Marly Chalk

All dimensions in metres Scale 1:50	Client Bellway Homes Limited (Wessex)	Method/ Plant Used Archway Competitor Dart	Logged By DB
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BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS02	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 114.00	Co-Ordinates (c.) E 389,494 N 144,646		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick-ness)	DESCRIPTION		
0.00-0.25	ES	N43				0.25	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk	WMck	
0.40	H					0.55	CLAY: soft, off white gravelly CLAY. Gravel is sub-rounded, fine to coarse chalk		
1.00	D					(1.15)	CHALK: Dm becoming Dc structureless CHALK low density off white 50% 15-20mm clasts 50% silt	WMck	
1.00-1.45	SPT C								
1.45									
1.70-2.15	SPT C		1.70	1.50 - some iron oxide discolouration	WMck				
		(0.45)		CHALK: medium strong, medium density off white structured CHALK.. probbable grading : A3, some orange staining					
2.15		N50/ 275 mm				2.15	Core Recovery: 0.0 - 1.75m: 100%		
							Drilled from surface using dynamic sampling. No groundwater encountered. HSV tests undertaken. Upon completion backfilled with arisings		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected WMck = West Melbury Marly Chalk
All dimensions in metres Scale 1:50			Client Bellway Homes Limited (Wessex)			Method/ Plant Used Archway Competitor Dart			Logged By DB		

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS03	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 112.00	Co-Ordinates (c.) E 389,471 N 144,592		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick- ness)	DESCRIPTION		
0.00-0.30	ES	N50/ 200 mm		31		0.30	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk	BHC	
0.40	H				0.50	CLAY: soft mid brown, slightly sandy CLAY			
0.50-0.70	ES				(0.85)	SAND: probable medium dense gravelly SAND. Gravel is sub-angular, fine to coarse sandstone (coarse grained) 0.50 - 0.60 - sandstone cobble	BHC		
1.00	D								
1.00-1.35	SPT C								
1.20					Core Recovery: 0.0 - 1.00m: 100%				
							Drilled from surface using dynamic sampling: 0.00-1.35m. No groundwater encountered. HSV tests undertaken. Upon completion backfilled with arisings		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres
Scale 1:50

Client
Bellway Homes Limited (Wessex)

Method/
Plant Used
Archway Competitor Dart

Logged By
DB

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS04	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 111.00	Co-Ordinates (c.) E 389,442 N 144,532		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.40-0.60	ES					0.35	Turf over TOPSOIL		
1.00-1.45	SPT C					(0.95)	MADE GROUND: probable loose, mid brown, silty, sandy gravel of sub-angular, fine to coarse brick, sandstone concrete, clay pipe (construction waste) 0.40 - 0.60 - locally discoloured black		
1.45		N16				1.30	NO RECOVERY: probable MADE GROUND, assumed to be medium dense construction waste fill as per 0.35 - 1.3m bgl (thickness inferred from SPT-Cs)		
2.00-2.45	SPT C								
2.45		N9							
3.00-3.45	SPT C					(3.42)			
3.45-3.90	SPT C								
3.90		N14 N21							
4.50-4.72	SPT C					4.72			
							Core Recovery: 0.0 - 1.0m: 100% 1.0 - 2.0m: 30% No recovery below 1.3m; refused on SPT at 4.72m bgl on probable weak sandstone Drilled from surface using dynamic sampling: 0.00-2.00m. No groundwater encountered. Upon completion backfilled with arisings.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member
All dimensions in metres Scale 1:50			Client Bellway Homes Limited (Wessex)			Method/ Plant Used Archway Competitor Dart			Logged By DB		

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS05	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 113.00	Co-Ordinates (c.) E 389,556 N 144,578		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.00-0.30	ES					0.30	Turf over TOPSOIL		
0.60	D					0.60	SAND: probable loose gravelly SAND. Gravel is sub-angular, fine to coarse chalk	BHC	
1.00-1.42	SPT C					(0.82)	SANDSTONE: probable very weak, yellowish-brown, weathered coarse grained SANDSTONE; recovered as angular gravel and cobbles, refused on probable weak sandstone	BHC	
1.42		N50/ 275 mm				1.42	Core Recovery: 0.0 - 1.0m 100 % Drilled from surface using dynamic sampling: 0.00-1.00m. No groundwater encountered. Upon completion backfilled with arisings.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres Scale 1:50	Client Bellway Homes Limited (Wessex)	Method/ Plant Used Archway Competitor Dart	Logged By DB
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BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS06	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 115.00	Co-Ordinates (c.) E 389,526 N 144,473		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.30-0.50	ES	N37				0.30	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk	BHC	
0.40	H								
0.50	D								
0.70	H								
1.00	H					71			
1.45	D	N37				1.20	SAND: probable loose greenish grey fine grained SAND	BHC	
1.50									
2.36		N50/ 210 mm				2.36	Core Recovery: 0.0 - 2.0m: 100 % Drilled from surface using dynamic sampling: 0.00-2.00m. No groundwater encountered. Upon completion backfilled with arisings. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres
Scale 1:50

Client
Bellway Homes Limited (Wessex)

Method/
Plant Used
Archway Competitor Dart

Logged By
DB

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS07	
Job No 5596	Date 04-11-25	Ground Level (c.m,AOD) 110.00	Co-Ordinates (c.) E 389,388 N 144,443		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill	
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick- ness)	DESCRIPTION			
0.00-0.30	ES	N13				0.30	Turf over TOPSOIL: mid brown, slightly sandy silt	BHC		
0.60	H					(1.10)	CLAY: soft mid brown, very sandy plastic CLAY			
1.00	D				10		1.40	SAND: probable medium dense, slightly greenish, slightly clayey fine grained SAND		BHC
1.00	H						(0.90)			
1.00-1.45	SPT C						2.30	CHALK cobble		BHC
1.45			2.50	SAND: probable medium dense, green gravelly fine grained SAND						
2.00	D	N19		(0.62)						
2.00-2.45	SPT C			3.12	Core Recovery: 1.0 - 2.0m: 100% 2.0 - 3.0m: 100%					
2.45					Dynamic sampling from surface: 0.0-3.00m. No casing used. No groundwater encountered. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-3.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken					
2.80	D	N50/ 60 mm								
3.00-3.12	SPT C									
3.12										

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres Scale 1:50	Client Bellway Homes Limited (Wessex)	Method/ Plant Used Archway Competitor Dart	Logged By DB
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BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS08	
Job No 5596	Date 07-11-25	Ground Level (c.m,AOD) 113.00	Co-Ordinates (c.) E 389,428 N 144,636		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick-ness)	DESCRIPTION		
0.00-0.35	ES						Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT.		
0.00-1.00	WAC					0.35	Gravel is sub-rounded, fine to coarse chalk		
0.50	H				32	0.70	CLAY: soft off white slightly gravelly very silty friable CLAY. Gravel is sub-angular fine to coarse lithorelics of chalk	WMck	
1.00	D					(0.72)	CHALK: medium density off white with close closed discontinuities (Grade A4)	WMck	
1.00-1.42	SPT C					1.42	1.00 - orange staining		
1.42		N50/ 275 mm					Core Recovery: 0.0 - 1.0m: 100 %		
							Drilled from surface using dynamic sampling: 0.00-1.00m. No groundwater encountered. Upon completion backfilled with arisings. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected WMck = West Melbury Chalk Formation
All dimensions in metres Scale 1:50			Client Bellway Homes Limited (Wessex)			Method/ Plant Used Archway Competitor Dart			Logged By DB		

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS09	
Job No 5596	Date 07-11-25	Ground Level (c.m,AOD) 114.00	Co-Ordinates (c.) E 389,369 N 144,673		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.30-0.50	ES					0.30	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk		
0.50	H				18	0.60	CLAY: soft off white slightly gravelly very silty friable CLAY. Gravel is sub-angular fine to coarse lithorelics of chalk	WMck	
1.00-1.45	SPT C					(1.34)	CHALK: medium density off white with close closed discontinuities (Grade A4)	WMck	
1.45		N30							
1.50	D								
1.60-1.94	SPT C					1.94			
1.94		N50/ 195 mm					Core Recovery 0.0 - 1.6m: 100%		
							Dynamic sampling from surface: 0.00-1.90m. No casing used. No groundwater encountered. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-1.60m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected WMck = West Melbury Chalk Formation
All dimensions in metres Scale 1:50			Client Bellway Homes Limited (Wessex)			Method/ Plant Used Archway Competitor Dart			Logged By DB		

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS10	
Job No 5596	Date 07-11-25	Ground Level (c.m,AOD) 112.00	Co-Ordinates (c.) E 389,323 N 144,583		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.00-0.30	D					0.30	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk		
						0.60	CLAY: probable soft to firm, very sandy CLAY	BHC	
1.45		N22				(1.84)	SAND: probable medium dense greenish brown fine grained SAND	BHC	
2.44		N50/ 285 mm				2.44	Core Recovery 0.0 - 2.0m: 100%		
							Dynamic sampling from surface: 0.00-2.00m. No casing used. No groundwater encountered. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-2.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres Scale 1:50	Client Bellway Homes Limited (Wessex)	Method/ Plant Used Archway Competitor Dart	Logged By DB
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BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS11	
Job No 5596	Date 07-11-25	Ground Level (c.m,AOD) 106.00	Co-Ordinates (c.) E 389,399 N 144,225		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

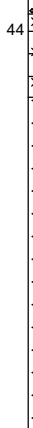
SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.00-1.00	WAC					0.35	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk		
0.50	H			35		(0.50) 0.85	CLAY: soft light brown sandy plastic CLAY	BHC	
1.00-1.45	SPT C					(0.75)	GRAVEL: probable medium dense, sandy GRAVEL of sub-angular fine to coarse fine grained sandstone	BHC	
1.45		N32				1.60			
2.00-2.45	SPT C					(0.40) 2.00	SAND: probable medium dense greenish brown, slightly clayey SAND	BHC	
2.45		N18				(0.80) 2.80	SAND: probable dense very gravelly SAND. Gravel is sub-angular fine to coarse sandstone	BHC	
3.00-3.41	SPT C					(0.61) 3.41	SANDSTONE: weak yellowish brown fine grained SANDSTONE	BHC	
3.41		N50/ 265 mm					Core Recovery 0.0 - 1.0m: 80% 1.0 - 3.0m: 100% Dynamic sampling from surface: 0.00-3.00m. No casing used. No groundwater encountered. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-3.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member

All dimensions in metres Scale 1:50	Client Bellway Homes Limited (Wessex)	Method/ Plant Used Archway Competitor Dart	Logged By DB
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BOREHOLE LOG

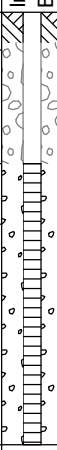
Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS12	
Job No 5596	Date 19-02-26	Ground Level (c.m,AOD) 106.00	Co-Ordinates (c.) E 389,448 N 144,242		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thickness)	DESCRIPTION		
0.30	H					0.25	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT. Gravel is sub-rounded, fine to coarse chalk	BHC	
						(0.55)	CLAY: probable greyish brown, slightly sandy, silty CLAY		
						0.80	SAND: probable loose to medium dense greenish brown, silty fine to medium SAND 1.10 - less silty	BHC	
						(2.20)			
						3.00	Core Recovery 1.0 - 3.0m: 100%		
							Hand dug 0.00-1.00m Dynamic sampling using 101 sampling barrel: 1.00-3.00m. 103mm casing to 2.00m. Damp at 2.0m. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-3.00m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19/02/2026	101	3	2	113							Borehole position scanned using Cable Avoidance Tool (CAT); no services detected BHC = Boyne Hollow Chert Member
All dimensions in metres Scale 1:50			Client Bellway Homes Limited (Wessex)			Method/ Plant Used Window Sampling / Terrier 2002 (T08)			Logged By DB		

BOREHOLE LOG

Project LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				BOREHOLE No WS13	
Job No 5596	Date 19-02-26	Ground Level (c.m,AOD) 107.00	Co-Ordinates (c.) E 389,427 N 144,260		
Contractor Cook Ground Investigation Limited				Sheet 1 of 1	

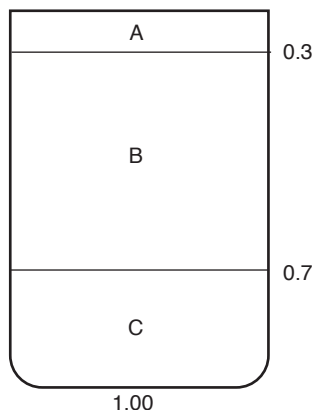
SAMPLES & TESTS			STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result	Water	Undrained Shear Strength	Legend	Depth (Thick-ness)	DESCRIPTION		
0.50	H			47		0.25	Turf over TOPSOIL: mid brown, slightly gravelly clayey SILT with occasional sub-angular coarse gravel of flint/chert. Gravel is sub-rounded, fine to coarse chalk	BHC	
						(0.75)	CLAY: soft light greenish dark brown, slightly gravelly silty plastic CLAY. Gravel is sub-angular, fine to coarse, off white fine grained sandstone		
						1.00	SAND: probable loose to medium dense greenish brown, silty, fine to medium grained SAND	BHC	
						(0.40) 1.40	COBBLES: probable dense, off white/dark brown, sandy, gravelly COBBLES of fine grained sandstone	BHC	
						(1.46)	2.30 - 2.55 SAND - probable loose greenish brown fine to medium sandy bands 2.55 - 2.70 GRAVEL - probable medium dense, dark grey chert, sub-angular fine to coarse gravel 2.70 - 2.75 SAND - probable loose greenish brown fine to medium sandy bands		
						2.86	Core Recovery 1.0 - 2.0m: 70% 2.0 - 2.86m: 75% Hand dug 0.00-1.00m Dynamic sampling using 101 sampling barrel: 1.00-2.86m. 103mm casing to 2.00m. Water strike at 2.39m rising to 2.36m after 20 minute monitoring period. Upon completion 50mm ID HDPE slotted pipe with washed gravel response zone: 1.00-2.86m. 50mm ID HDPE plain pipe with bentonite pellet seal: 0.00-1.00m. Flush 150mm steel cover set in concrete. HSV tests undertaken		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Hole Dia. mm	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
19/02/2026	101	2.9	2	113							
All dimensions in metres Scale 1:50						Client Bellway Homes Limited (Wessex)		Method/ Plant Used Window Sampling / Terrier 2002 (T08)		Logged By DB	

Borehole position scanned using Cable Avoidance Tool (CAT); no services detected

BHC = Boyne Hollow Chert Member

Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA1
Job No. 5596	Date 14-11-25	Ground Level (c.m, AOD) 115	Co-Ordinates (c.) E 389,629 N 144,607	



DETAILS OF SUBSOIL

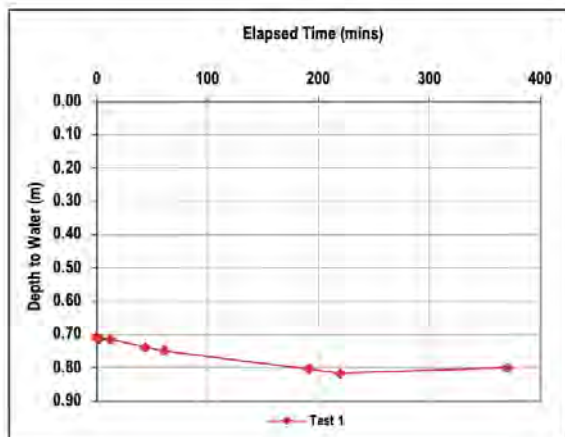
- A turf over TOPSOIL: probable soft mid brown, slightly gravelly, clayey SILT. Gravel is sub-rounded fine to coarse chalk
- B CLAY: probable firm to stiff, very gravelly CLAY. Gravel is sub-angular, fine to coarse chalk with occasional chalk cobble
[WEST MELBURY MARLY CHALK FORMATION]
- C Cobbles of CHALK with silty matrix
[WEST MELBURY MARLY CHALK FORMATION]

Notes:

1. Pit logged from surface; terminated upon refusal at 1.0m depth
2. Pit dry and stable
3. Percolation test carried out:
Pit dimensions 1.4 x 0.65 x 0.709m (LxWxD)

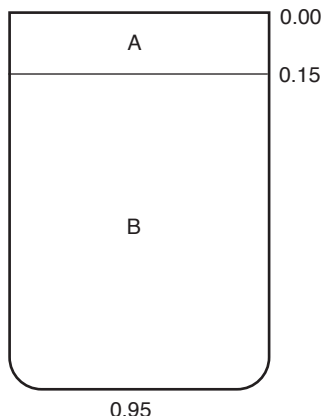


Elapsed Time (mins)	Depth to Water (m)
Test 1	
0	0.709
2.5	0.714
12.5	0.715
44	0.739
61	0.749
191	0.804
219	0.816
370	0.800



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged by: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA2
Job No. 5596	Date 14-11-25	Ground Level (c.m, AOD) 112	Co-Ordinates (c.) E 389,563 N 144,523	



DETAILS OF SUBSOIL

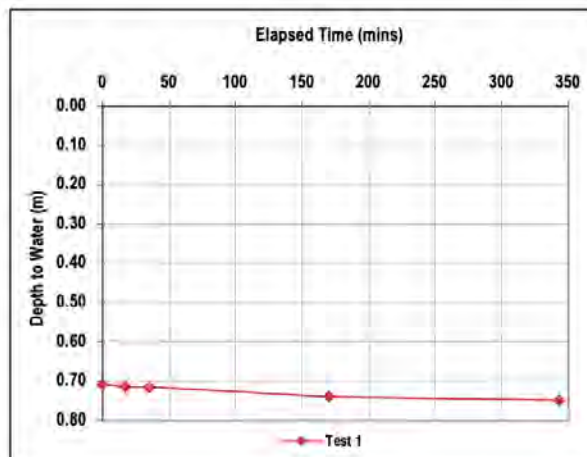
- A turf over TOPSOIL: probable soft mid brown, slightly gravelly, clayey SILT. Gravel is sub-rounded fine to coarse chalk
- B CLAY: probable firm to stiff, very gravelly CLAY. Gravel is sub-angular, fine to coarse chalk with occasional chalk cobble
[WEST MELBURY MARLY CHALK FORMATION]
- C Cobbles of CHALK with silty matrix
[WEST MELBURY MARLY CHALK FORMATION]

Notes:

- Pit logged from surface; terminated upon refusal at 0.95m depth
- Pit dry and stable
- Percolation test carried out:
Pit dimensions 1.3 x 0.7 x 0.663m (LxWxD)

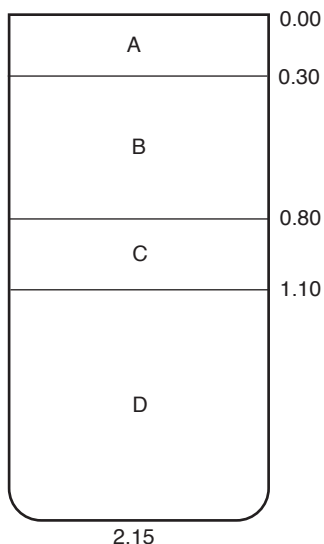


Elapsed Time (mins)	Depth to Water (m)
Test 1	
0	0.709
17	0.714
35	0.715
170	0.739
343	0.749



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged by: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA3
Job No. 5596	Date 14-11-25	Ground Level (c.m, AOD) 110	Co-Ordinates (c.) E 389,512 N 144,447	



DETAILS OF SUBSOIL

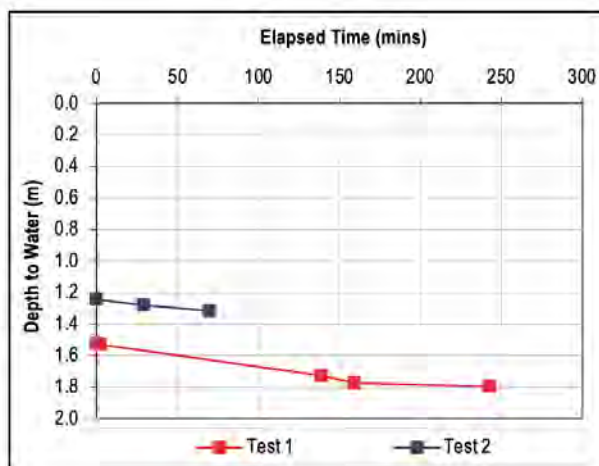
- A turf over TOPSOIL: probable soft mid brown, slightly gravelly, clayey SILT.
Gravel is sub-rounded fine to coarse sandstone
- B CLAY: probable soft to firm mid brown plastic CLAY
from 0.5m: occasional orangish brown silt bands
[BOYNE HOLLOW CHERT MEMBER]
- C SAND: probable medium dense orangish brown clayey fine grained SAND
[BOYNE HOLLOW CHERT MEMBER]
- D SAND: probable medium dense greenish brown fine grained SAND
[BOYNE HOLLOW CHERT MEMBER]



Notes:

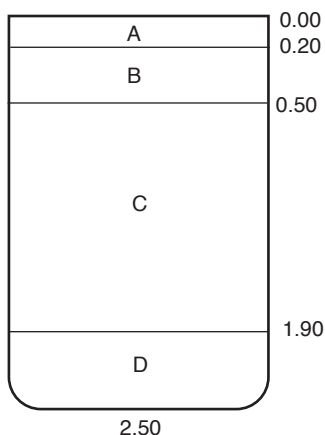
- Pit logged from surface
- Pit dry and stable
- Percolation test carried out:
Pit dimensions 1.8 x 0.75 x 1.523m (LxWxD)

Elapsed Time (mins)	Depth to Water (m)	Elapsed Time (mins)	Depth to Water (m)
Test 1		Test 2	
0	1.523	0	1.245
2	1.528	29	1.278
139	1.725	70	1.317
159	1.775		
243	1.798		



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged by: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA4
Job No. 5596	Date 14-11-25	Ground Level (c.m, AOD) 105	Co-Ordinates (c.) E 389,425 N 144,222	



DETAILS OF SUBSOIL

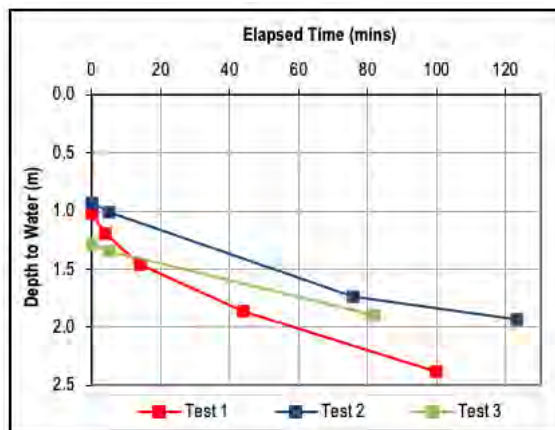
- A TURF over TOPSOIL: probable soft, mid brown, slightly gravelly, clayey SILT (gravel is subrounded, fine to coarse sandstone)
- B CLAY: probable soft, dark brown, slightly gravelly silty, plastic CLAY (gravel is subrounded, fine to coarse sandstone)
- C SAND: probable loose medium dense greenish brown gravelly SAND
Gravel is sub-angular, fine to coarse
from 1.4m: sandstone/chert cobbles
[BOYNE HOLLOW CHERT MEMBER]
- D GRAVEL: probable dense yellowish brown/dark brown, coarse cobbles
Gravel of medium to coarse fine grained sandstone
[BOYNE HOLLOW CHERT MEMBER]



Notes:

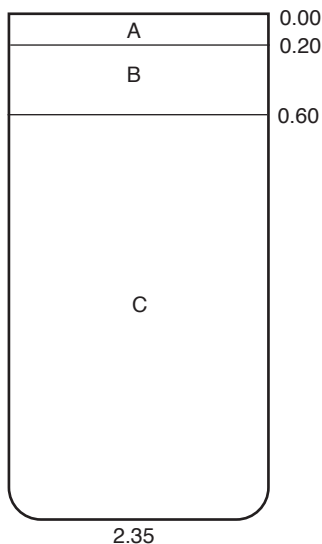
- Pit logged from surface
- Pit dry and stable
- Percolation test carried out:
Pit dimensions 2.2 x 0.7 x 2.5m (LxWxD)

Elapsed Time (mins)	Depth to Water (m)	Elapsed Time (mins)	Depth to Water (m)	Elapsed Time (mins)	Depth to Water (m)
Test 1		Test 2		Test 3	
0	1.025	0	0.926	0	1.292
4	1.194	5	1.014	5	1.340
14	1.462	76	1.732	82	1.900
44	1.860	123	1.935		
100	2.385				



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged by: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA5
Job No. 5596	Date 14-11-25	Ground Level (c.m, AOD) 106	Co-Ordinates (c.) E 389,316 N 144,280	



DETAILS OF SUBSOIL

- A turf over TOPSOIL: probable soft mid brown, slightly gravelly clayey silt. Gravel is sub-rounded, fine to coarse sandstone
- B MADE GROUND: reworked probable soft, dark brown, slightly gravelly, silty plastic CLAY with occasional brick fragments
- C SAND: probable soft to medium dense greenish brown clayey, fine grained SAND with frequent sandstone cobbles

2.2m: very cobbly

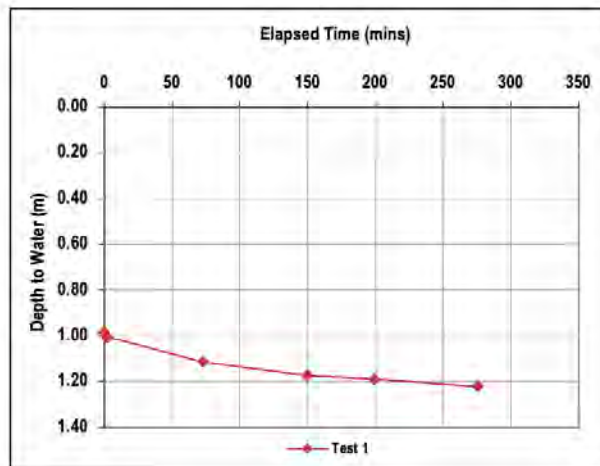
[BOYNE HOLLOW CHERT MEMBER]

Notes:

1. Pit logged from surface
2. Pit dry and stable
3. Percolation test carried out:
Pit dimensions 1.7 x 0.7 x 2.348m (LxWxD)

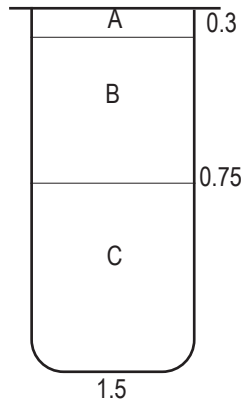


Elapsed Time (mins)	Depth to Water (m)
Test 1	
0	0.985
2.5	1.005
73	1.114
149.5	1.172
199	1.189
275.5	1.22



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged by: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No.
Job No. 5596	Date 26-01-26	Ground Level (c.m, AOD) 110m	Co-Ordinates (c.) E 389,509 N 144,438	SA3a

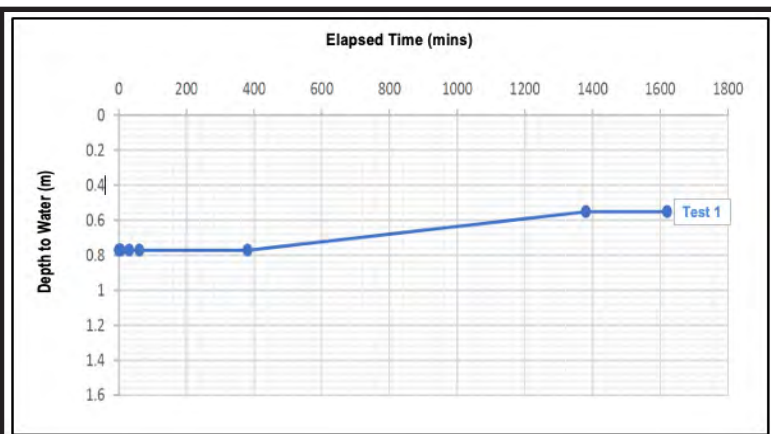


DETAILS OF SUBSOIL

- A TURF over TOPSOIL: probable soft, mid brown, slightly gravelly, clayey SILT (gravel is subrounded, fine to coarse sandstone)
- B CLAY: probable soft to firm, mid brown, plastic CLAY (*Boyne Hollow Chert Member*)
- C SAND: probable medium dense, greenish-brown, fine grained SAND, occasional brown silt pockets (*Boyne Hollow Chert Member*)

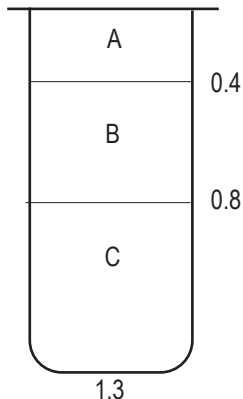
NOTES

- 1 Pit logged from surface
- 2 Percolation testing carried out
Pit dimensions : 1.7 x 0.5 x 1.5m (LxWxD)
Unable to calculate an infiltration rate due to insufficient drainage



Scale: NTS	Client Bellway Homes Limited (Wessex)	Logged By: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA6
Job No. 5596	Date 26-01-26	Ground Level (c.m, AOD) 109m	Co-Ordinates (c.) E 389,469 N 144,363	

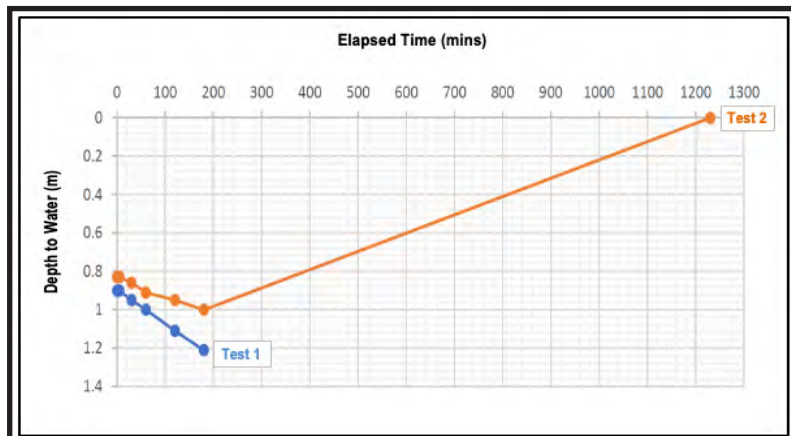


DETAILS OF SUBSOIL

- A** TURF over TOPSOIL: probable soft, dark brown, slightly gravelly, clayey SILT (gravel is subrounded, fine to coarse sandstone)
- B** CLAY: probable firm, mid brown, slightly gravelly, silty, plastic CLAY (gravel is subrounded to subangular, fine to coarse sandstone) (*Boyne Hollow Chert Member*)
- C** SAND: probable medium dense, greenish-brown, cobbly SAND, (cobbles are greenish-grey, fine grained sandstone) (*Boyne Hollow Chert Member*)

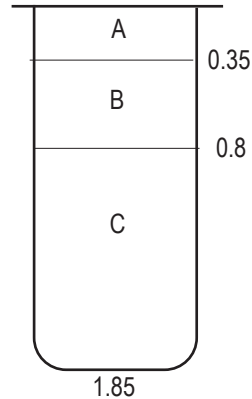
NOTES

- Pit logged from surface
- Percolation testing carried out
Pit dimensions : 1.57 x 0.5 x 1.3m (LxWxD)
Due to heavy rain and the location of SA6, a large ingress of surface water occurred during 'Test 2'. Pit excavated to 2.3m,bgl at 5m distance and no groundwater recorded (see photograph in Appendix 1)
Unable to calculate an infiltration rate due to insufficient drainage



Scale: NTS	Client Bellway Homes Limited (Wessex)	Logged By: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA7
Job No. 5596	Date 26-01-26	Ground Level (c.m, AOD) 107m	Co-Ordinates (c.) E 389,464 N 144,282	



DETAILS OF SUBSOIL

- A TURF over TOPSOIL: probable soft, dark brown, slightly gravelly, clayey SILT (gravel is subrounded, fine to coarse sandstone)
0.25m : brick fragment
- B CLAY: probable soft to firm, mid brown, very silty, plastic CLAY
(Boyne Hollow Chert Member)
- C SAND: probable loose, greenish-brown, very silty fine SAND
(Boyne Hollow Chert Member)

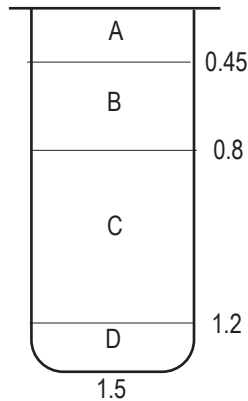
NOTES

- 1 Pit logged from surface
- 2 Groundwater struck at 1.7m
after 15 mins standing at 1.84m
after 1 hour standing at 1.7m; sides collapsed



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged By: DB
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Site: LAND OFF BOREHAM ROAD, WARMINSTER, WILTSHIRE BA12 9HL				TRIAL PIT No. SA8
Job No. 5596	Date 26-01-26	Ground Level (c.m, AOD) 105m	Co-Ordinates (c.) E 389,451 N 144,189	

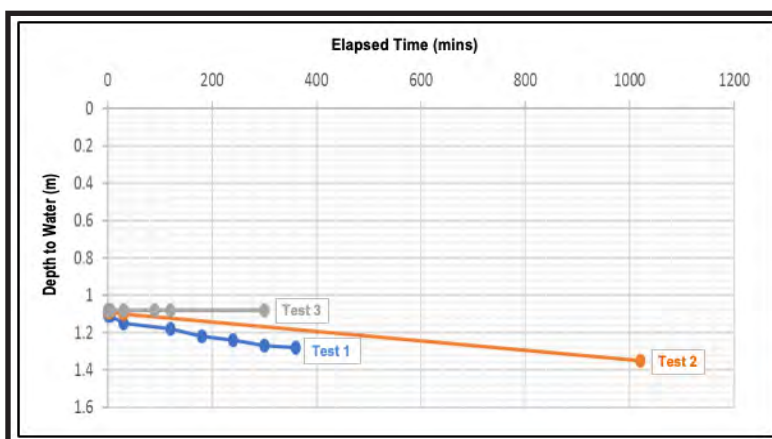


DETAILS OF SUBSOIL

- A TURF over TOPSOIL: probable soft, dark brown, slightly gravelly, clayey SILT
- B CLAY: probable soft to firm, greenish-grey, plastic CLAY (*Boyne Hollow Cert Member*)
- C CLAY: probable medium dense, greenish-grey, cobbles, very silty CLAY (cobbles are light grey, fine grained sandstone)
1.0m : very cobbly (*Boyne Hollow Chert Member*)
- D GRAVEL: probable dense, yellowish-brown, coarse, cobbly, silty GRAVEL of medium to coarse, fine grained sandstone (*Boyne Hollow Chert Member*)

NOTES

- 1 Pit logged from surface
- 2 Percolation testing carried out
Pit dimensions : 1.2 x 0.6 x 1.5m (LxWxD)
Unable to calculate an infiltration rate due to insufficient drainage



Scale: NTS	Client: Bellway Homes Limited (Wessex)	Logged By: DB
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APPENDIX 3

**CONTAMINATION
STATUTORY FRAMEWORK / METHODOLOGY
AND
CERTIFIED CONTAMINATION TEST RESULTS**

A3 CONTAMINATION RISK ASSESSMENT

Statutory Framework

A3.1 Part 2A of the Environmental Protection Act 1990 (inserted by Section 57 of the Environment Act 1995) provides a regime for the control of specific threats to health or the environment from existing land contamination. In accordance with the Act and the statutory guidance document on the Contaminated Land (England) Regulations 2000, the definition of contaminated land is intended to embody the concept of risk assessment. Within the meaning of the Act, land is only 'contaminated land' where it appears to the regulatory authority to be in such a condition, by reason of substances within or under the land, that:

- harm is being caused or has significant possibility of significant harm to be caused to human health, or
- pollution is being caused or has significant possibility of significant pollution to be caused to controlled waters.

A3.2 In 2012 revised Statutory Guidance for Part 2A of the Environmental Protection Act (1990) came into force for England and Wales. This introduced a new four category approach for classifying land affected by contamination to assist decisions by regulators in cases of Significant Possibility of Significant Harm (SPOSH) to specified receptors, including humans, and significant pollution of controlled waters.

Category 1 describes land which is clearly problematic e.g. because similar sites are known to have caused a significant problem in the past. The legal definition is where "there is an unacceptably high probability, supported by robust science-based evidence, that significant harm would occur if no action is taken to stop it".

Categories 2 and 3 cover land where detailed consideration is needed before deciding whether it may be contaminated land. Category 2 is defined as land where "there is a strong case for considering that the risks from the land are of sufficient concern that the land poses a significant possibility of significant harm". Category 3 is defined as land where there is not the strong case described in the test for Category 2, and may include "land where the risks are not low, but nonetheless the authority considers that regulatory intervention under Part 2A is not warranted". The decision basis is initially related to human health risks, and if this is not conclusive due to uncertainty over risks, wider socio-economic factors (e.g. cost, local perception etc).

Category 4 describes land that is clearly not contaminated land, where there is no risk or the level or risk posed is low.

A3.3 This same 4 category system has also been introduced to assist in identifying whether there is a significant possibility of significant pollution of controlled waters. Part 2A states that normal levels of contaminants in soil should not be considered to cause land to qualify as contaminated land, unless there is a particular reason to consider otherwise.

A3.4 Once land has been determined as contaminated land, the enforcing authority must consider how it should be remediated and, where appropriate, it must issue a remediation notice to require such remediation. The enforcing authority for the purposes of remediation may be the local authority which determined the land, or the Environment Agency which takes on responsibility once land has been determined if the land is deemed to be a “special site”. The rules on what land is to be regarded as special sites, and various rules on the issuing of remediation notices, are set out in the Contaminated Land (England) Regulations 2006.

A3.5 The UK guidance on the assessment of land contamination has developed as a direct result of the introduction of the above two Acts. The current technical guidance supporting the legislation has been summarised in the document Land Contamination Risk Management (LCRM), originally published in October 2020 by the Environment Agency (EA).

Contamination Assessment Methodology

A3.6 LCRM guidance proposes a three-stage risk based assessment process for identifying if a hazard exists within a site.

- Stage 1: Risk assessment
- Stage 2: Options appraisal
- Stage 3: Remediation and verification

A3.7 Stage 1 is to collect detailed information about the site, firstly to establish the likelihood of a hazard being present, and if a potential hazard is identified, to assess (through the source-pathway-receptor potential pollutant linkage concept) whether it has the

potential to pose an unacceptable risk. That unacceptable risk is subsequently estimated and /or evaluated.

- A3.8** Stage 1 can be achieved through a preliminary desk-based risk assessment and if considered appropriate, by progression to a generic or detailed quantitative risk assessment using appropriate intrusive investigation methods supported by UKAS accredited laboratory testing.
- A3.9** Quantitative assessment of human health risk posed by ground contamination is achieved by comparison of soil concentrations with Tier 1 Suitable for Use Levels (S4UL) as published by LQM/CIEH (2015) or (in the case of the toxic metal Lead only) with a Category Four Screening Level (C4SL) published by DEFRA (2014). The official Soil Guideline Values utilise a soil organic matter content of 6% which is considered to be higher than typical UK soils, however three sets of S4UL's have been developed for organic matter contents of 1%, 2.5% and 6%, thus the most appropriate set is selected based upon proven site conditions.
- A3.10** Contaminant concentrations below the threshold screening values are considered not to warrant further risk assessment. Concentrations of contaminants above these screening values require further consideration of potential pollutant linkages and may indicate potentially unacceptable risks to site users that warrants either further detailed quantitative risk assessment or progression to Stage 2. It should be noted that S4UL/C4SL's are not absolute thresholds and an exceedance does not necessarily indicate that a potential pollutant linkage is automatically established.
- A3.11** In order to assess any risk to controlled waters posed by contaminants within the underlying soils and groundwater, laboratory results are screened against Level 1 Environmental Quality Standard (EQS) values derived from the Water Framework Directive (Standards & Classification) Directions (England & Wales) 2015 and the current UK Drinking Water Supply (Water Quality) Regulations (DWS), dependent upon the most vulnerable receptor. The EQS is usually an upper concentration set for the receiving watercourse and not the discharge itself. The DWS is established for compliance at the point of use or abstraction and not the source area.
- A3.12** Stage 2 follows on from the risk assessment completed in Stage 1 by firstly identifying all feasible remediation options, then through consideration of additional factors including but not limited to; sustainability, limitations, timescales and budgets and regulatory controls, narrow the list of remediation options down to a favoured

remediation/mitigation approach. Note that this approach is not restrictive and may include the adoption of as many remediation options as necessary in order to achieve the remediation objective(s).

A3.13 Stage 3 takes the chosen remediation/mitigation approach from Stage 2 and from which a remediation strategy 'that can be implemented in practice' is developed and agreed with the regulatory authority. Once agreed the approved remediation works can take place as per the strategy, whilst still being mindful of whether the chosen remedial strategy is working as anticipated and also for the presence of unexpected contamination. Subject to findings, the agreed remedial strategy may require adjustment in order to ensure that the remediation objectives(s) can be met.

A3.14 Upon completion of the remedial works a verification plan is produced detailing the works undertaken and demonstrating that the risk has been reduced, that the remediation objective(s) and criteria have been met and that the site no longer presents a risk to human health and/or controlled waters, and therefore can be considered 'suitable for use'.

Waste Classification

A3.15 In terms of controlled off-site disposal to landfill of site arisings, if/where intended, waste classification is carried out in line with European Waste Catalogue (EWC) and Technical Guidance Waste Management 3 (TGWM3, EA Version 1.2, October 2021) using contamination test results obtained for that material. The assessment utilises the 'HazWasteOnline' software to establish a 'Hazardous' (170503*) / 'Non-hazardous' (170504) classification. Where required, the foregoing may be supplemented by Waste Acceptance Criteria (WAC) analysis, in order that the waste can further be designated as 'Hazardous' / 'Stable non-reactive' / 'Inert', for use by the receiving landfill operator. It should be noted that WAC is only required for disposal of wastes at certain classes of landfill; if arisings are not intended for removal to landfill, then WAC testing is not applicable.

SUMMARY OF CONTAMINATION TEST RESULTS

		SOILS												TIER 1: GENERIC ASSESSMENT CRITERIA						TIER 2: SITE SPECIFIC	
Sample Ref		WS01	WS02	WS03	WS03	WS04	WS05	WS06	WS07	HP1	WS08	WS09	WS10	S4UL (Residential with plant uptake)	S4UL (Residential without plant uptake)	S4UL (Allotments)	S4UL (Commercial)	S4UL (Public Open Space - Residential)	S4UL (Public Open Space - Park)	Upper Confidence Limit (on true mean concentration, u) (CIEH Statistical Calculator)	Site-Specific Assessment Criteria (SSAC's) residential with homegrown produce
Sample Depth (m)		0.00-0.25	0.00-0.25	0.00-0.30	0.50-0.70	0.40-0.60	0.00-0.30	0.00-0.30	0.00-0.30	0.50-0.50	0.00-0.35	0.30-0.50	0.00-0.30								
Sample of																					
DETERMINAND (mg/kg)																					
TOXIC METALS	pH	7.7	7.9	7.8	8.4	8	8.1	7.7	6.9	7.1	7.8	7.8	7.4								
	Arsenic	5	3.9	5.4	5.3	9.6	6.2	5.2	6.7	3.8	4.70	4.50	5.20	37	40	43	640	79	170		
	Cadmium	0.2	< 0.2	< 0.2	< 0.2	0.3	0.2	< 0.2	0.3	< 0.2	0.20	< 0.2	0.30	11	85	1.9	190	120	532		
	Chromium VI (low level)	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	6	6	1.8	33	8	220		
	Chromium	23	18	24	18	22	28	28	24	31	22.00	20.00	26.00	910	910	18,000	8,600	1,500	33,000		
	Lead	25	21	25	2.2	92	32	31	77	6.4	28.00	32.00	32.00	200 ●	310 ●	80 ●	2330 ●	630 ●	1300 ●		
	Mercury	< 0.3	< 0.3	< 0.3	< 0.3	0.6	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	40	56	19	1100	120	240		
	Nickel	16	11	14	9.8	15	20	20	13	13	14.00	14.00	16.00	180	180	230	980	230	3400		
PHYTOTOXIC METALS	Selenium	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.70	250	430	88	12000	1100	1800		
	Copper	17	12	14	4.7	31	15	14	21	6.6	18.00	12.00	17.00	2,400	7,100	520	68,000	12,000	44,000		
	Zinc	57	41	48	15	100	61	61	96	31	53.00	43.00	57.00	3,700	40,000	620	730,000	81,000	170,000		
	Stone Content (%)	< 0.1	< 0.1	< 0.1	< 0.1	37.1	< 0.1	< 0.1	6	< 0.1	< 0.1	< 0.1	< 0.1								
	Moisture Content (%)	20	16	17	9.3	9.8	21	18	14	16	13	14	15								
	Soil Organic (%)	4.1	-	3.9	-	-	-	-	-	0.9	3.40	2.10	-								
	Asbestos Screen	Not detected	Not detected	Not detected	-	Not detected	Not detected	Not detected	Not detected	-	Not detected	-	Not detected								
SPECIATED POLYAROMATIC HYDROCARBONS (PAH)	Total PAH	-	1.75	-	-	30.4	-	-	-	< 0.80	3.43	-	< 0.80								
	Naphthalene	-	< 0.05	-	-	< 0.05	-	-	-	< 0.05	< 0.05	-	< 0.05	13	13	24	1,100(432)s	4,900	3,000		
	Acenaphthylene	-	< 0.05	-	-	0.22	-	-	-	< 0.05	< 0.05	-	< 0.05	920	6,000 (506)s	160	100,000	15,000	30,000		
	Acenaphthene	-	< 0.05	-	-	< 0.05	-	-	-	< 0.05	< 0.05	-	< 0.05	1,100	6,000 (336)s	200	100,000	15,000	30,000		
	Fluorene	-	< 0.05	-	-	0.1	-	-	-	< 0.05	< 0.05	-	< 0.05	860	4,500 (183)s	160	71,000	9,900	20,000		
	Phenanthrene	-	0.07	-	-	1.3	-	-	-	< 0.05	0.29	-	< 0.05	440	1,500	90	23,000	3,100	6,300		
	Anthracene	-	< 0.05	-	-	0.83	-	-	-	< 0.05	0.08	-	< 0.05	11,000	37,000	2,200	540,000	74,000	150,000		
	Fluoranthene	-	0.28	-	-	5.5	-	-	-	< 0.05	0.66	-	0.12	890	1600	290	23,000	3,100	6,400		
	Pyrene	-	0.25	-	-	4.6	-	-	-	< 0.05	0.55	-	0.12	2,000	3,800	620	54,000	7,400	15,000		
	Benzo(a)anthracene	-	< 0.05	-	-	4	-	-	-	< 0.05	0.33	-	0.08	13	15	13	180	29	62		
	Chrysene	-	0.2	-	-	3.1	-	-	-	< 0.05	0.38	-	0.10	27	32	19	350	57	120		
	Benzo(b)fluoranthene	-	0.3	-	-	3.7	-	-	-	< 0.05	0.38	-	0.13	3.7	4	3.9	45	7.2	16		
	Benzo(k)fluoranthene	-	0.13	-	-	1.4	-	-	-	< 0.05	0.15	-	< 0.05	100	110	130	1200	190	440		
	Benzo(a)pyrene	-	0.24	-	-	2.8	-	-	-	< 0.05	0.28	-	0.08	3.0	3.2	3.5	36	5.7	13		
	Indeno(1,2,3-cd)pyrene	-	0.13	-	-	1.1	-	-	-	< 0.05	0.15	-	0.06	41	46	39	510	82	180		
	Dibenzo(a,h)anthracene	-	< 0.05	-	-	0.47	-	-	-	< 0.05	< 0.05	-	< 0.05	0.3	0.32	0.43	3.6	0.58	1.4		
	Benzo(ghi)perylene	-	0.15	-	-	1.3	-	-	-	< 0.05	0.17	-	0.07	350	360	640	4000	640	1,600		
BTX	Benzene	-	-	-	-	< 0.005	-	-	-	-	-	-	-	0.37	1.4	0.075	90	73	110		
	Toluene	-	-	-	-	<0.005	-	-	-	-	-	-	-	660	3,900	120	180,000 (4,380)v 27,000	56,000 (4,380)v 27,000	100,000 (4,380)v 27,000		
	Ethylbenzene	-	-	-	-	<0.005	-	-	-	-	-	-	-	260	440	91	(2,840)v 33,000	25,000 (2,840)v 33,000	(2,840)v 33,000		
	O-Xylenes	-	-	-	-	<0.005	-	-	-	-	-	-	-	330	480	160	(2,620)s 30,000	43,000 (2,620)s 31,000	(2,620)s 31,000		
	m&p-Xylene	-	-	-	-	<0.008	-	-	-	-	-	-	-	310	430		(3,170)s	43,000 (3,170)s	(3,170)s		
	Methyl tert-Butyl Ether	-	-	-	-	<0.005	-	-	-	-	-	-	-								
(TPH) ALIPHATIC	C5 - C6	-	-	-	-	< 0.010	-	-	-	-	-	-	-	160	160	3,900	12,000 (1,150)s	600,000 (1,150)s	180,000 (1,150)s		
	C6 - C8	-	-	-	-	< 0.010	-	-	-	-	-	-	-	530	530	180,000	40,000 (736)s	620,000	320,000 (736)s		
	C8 - C10	-	-	-	-	< 0.010	-	-	-	-	-	-	-	150	150	1,700	11,000 (451)v	13,000	21,000 (451)v		
	C10 - C12	-	-	-	-	< 1.0	-	-	-	-	-	-	-	760 (283)v	760 (283)v	7300	47,000 (283)v	13,000	24,000 (283)v		
	C12 - C16	-	-	-	-	< 2.0	-	-	-	-	-	-	-	760 (283)v	760 (283)v	7,300	47,000 (283)v	13,000	24,000 (283)v		
	C16 - C21	-	-	-	-	< 8.0	-	-	-	-	-	-	-	4,300 (142)s	4,400 (142)s	13,000	90,000 (142)s	13,000	26,000 (142)s		
	C21 - C35	-	-	-	-	< 8.0	-	-	-	-	-	-	-	110,000	110,000	270,000	1,800,000	250,000	490,000		
	C5 - C35	-	-	-	-	< 10	-	-	-	-	-	-	-	110,000	110,000	270,000	1,800,000	250,000	490,000		
(TPH) AROMATIC	C5 - C7	-	-	-	-	< 0.010	-	-	-	-	-	-	-	300	1,400	57	86,000 (4,710)s	56,000 (4,710)s	92,000 (4,710)s		
	C7 - C8	-	-	-	-	< 0.010	-	-	-	-	-	-	-	660	3,900	120	180,000 (4,380)v	56,000 (4,380)v			

SUMMARY OF PESTICIDE TEST RESULTS

SUMMARY OF LEACHATE TEST RESULT

[illegible]

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Analytical Report Number : 25-060970

Project / Site name:	Warminster	Samples received on:	11/11/2025
Your job number:	5596	Samples instructed on/ Analysis started on:	11/11/2025
Your order number:	5596 DB ADD	Analysis completed by:	20/11/2025
Report Issue Number:	1	Report issued on:	20/11/2025
Samples Analysed:	5 soil samples - 4 leachate samples		



Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number	745509	745510	745511	745512	745513
Sample Reference	WS08	WS09	WS10	Field 2	Field 3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.00-0.35	0.30-0.50	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled	07/11/2025	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	14	15	13	16
Total mass of sample received	kg	0.1	NONE	0.6	0.9	0.7	2	2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	WIK	-	WIK	-	-
Analysis completed	N/A	N/A	N/A	17/11/2025	-	17/11/2025	-	-

General Inorganics

pH (L005B)	pH Units	N/A	MCERTS	-	-	-	7.6	7.7
pH (L099)	pH Units	N/A	MCERTS	7.8	7.8	7.4	-	-
Organic Matter (automated)	%	0.1	MCERTS	3.4	2.1	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	0.3	< 0.1
Loss on Ignition @ 450°C	%	0.2	MCERTS	-	-	-	1.4	1.4
Acid Neutralisation Capacity	+/- mmol/kg	-9999	NONE	-	-	-	7	6.2

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.29	-	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.08	-	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.66	-	0.12	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.55	-	0.12	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.33	-	0.08	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.38	-	0.1	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.38	-	0.13	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.15	-	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.28	-	0.08	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.15	-	0.06	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.17	-	0.07	< 0.05	< 0.05
Coronene	mg/kg	0.05	NONE	-	-	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.43	-	< 0.80	-	-
Total WAC-17 PAHs	mg/kg	0.85	NONE	-	-	-	< 0.85	< 0.85

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number	745509	745510	745511	745512	745513
Sample Reference	WS08	WS09	WS10	Field 2	Field 3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.00-0.35	0.30-0.50	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled	07/11/2025	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.7	4.5	5.2	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	< 0.2	0.3	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	20	26	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	12	17	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	28	32	32	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	14	16	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.7	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	53	43	57	-	-

Petroleum Hydrocarbons

TPH (>EC6 - EC8) _{HS_1D_TOTAL}	mg/kg	0.01	MCERTS	< 0.01	< 0.01	< 0.01	-	-
TPH (>EC8 - EC10) _{HS_1D_TOTAL}	mg/kg	0.02	MCERTS	< 0.02	< 0.02	< 0.02	-	-
TPH (>EC10 - EC12) _{EH_CU_1D_TOTAL}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	-	-
TPH (>EC12 - EC16) _{EH_CU_1D_TOTAL}	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	-	-
TPH (>EC16 - EC21) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	-	-
TPH (>EC21 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	-	-

TPH Total >EC6 - EC40 _{EH_CU+HS_1D_TOTAL}	mg/kg	10	NONE	< 10	< 10	< 10	-	-
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Petroleum Range Organics (EC6 - EC10) _{HS_1D_TOTAL}	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
TPH (EC10 - EC40) _{EH_CU_1D_TOTAL}	mg/kg	10	MCERTS	< 10	< 10	< 10	-	-

Mineral Oil (EC10 - EC40) _{EH_CU_1D_AL}	mg/kg	10	NONE	-	-	-	< 10	< 10
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VOCs

Benzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0

Total BTEX	µg/kg	10	MCERTS	-	-	-	< 10	< 10
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PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 52	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 101	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 118	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 138	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 153	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001
PCB Congener 180	mg/kg	0.001	MCERTS	-	-	-	< 0.001	< 0.001

Total PCBs	mg/kg	0.007	MCERTS	-	-	-	< 0.007	< 0.007
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Pesticides (GC-MS)

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number				745509	745510	745511	745512	745513
Sample Reference				WS08	WS09	WS10	Field 2	Field 3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.00-0.35	0.30-0.50	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled				07/11/2025	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	-	< 10	-	-
Alachlor	µg/kg	10	NONE	< 10	-	< 10	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	< 10	-	-
Omethoate	µg/kg	10	NONE	< 10	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	< 10	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	< 10	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	-	< 10	-	-
Cis-Permethrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	< 10	-	-
Ethionfos	µg/kg	10	NONE	< 10	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	< 10	-	-
Triadimefon	µg/kg	10	NONE	< 10	-	< 10	-	-
Trans-Permethrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Aldrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	< 10	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	< 10	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	< 10	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	< 10	-	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	< 10	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Deltamethrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	-	< 10	-	-
Endrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	< 10	-	-
Fenthion	µg/kg	10	NONE	< 10	-	< 10	-	-
Isodrin	µg/kg	10	NONE	< 10	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	< 10	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	< 10	-	< 10	-	-

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number				745509	745510	745511	745512	745513
Sample Reference				WS08	WS09	WS10	Field 2	Field 3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.00-0.35	0.30-0.50	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled				07/11/2025	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
O,p'-DDE	µg/kg	10	NONE	< 10	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	< 10	-	< 10	-	-
Parathion	µg/kg	10	NONE	< 10	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	< 10	-	-
Pendimethalin	µg/kg	10	NONE	< 10	-	< 10	-	-
Phorate	µg/kg	10	NONE	< 10	-	< 10	-	-
Phosalone	µg/kg	10	NONE	< 10	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	< 10	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	< 10	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	< 10	-	< 10	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	-	< 10	-	-
Propyzamide	µg/kg	10	NONE	< 10	-	< 10	-	-
Triazophos	µg/kg	10	NONE	< 10	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	< 10	-	< 10	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	< 10	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	< 10	-	< 10	-	-
Diazinon	µg/kg	10	NONE	< 10	-	< 10	-	-
Ethion	µg/kg	10	NONE	< 10	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	< 10	-	< 10	-	-
Malathion	µg/kg	10	NONE	< 10	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	< 10	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	< 10	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number	745509	745511	745512	745513
Sample Reference	WS08	WS10	Field 2	Field 3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.00-0.35	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Speciated PAHs

Naphthalene	µg/l	0.01	NONE	0.12	0.1	-	-
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Acenaphthene	µg/l	0.01	NONE	0.05	0.08	-	-
Fluorene	µg/l	0.01	NONE	0.04	0.06	-	-
Phenanthrene	µg/l	0.01	NONE	0.08	0.05	-	-
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	0.28	0.29	-	-
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	1	ISO 17025	< 1.0	< 1.0	-	-
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	-	-
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	-	-
Chromium (dissolved)	µg/l	0.4	ISO 17025	1.2	4.2	-	-
Copper (dissolved)	µg/l	0.7	ISO 17025	25	32	-	-
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0	1.3	-	-
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	-	-
Nickel (dissolved)	µg/l	0.3	ISO 17025	0.7	2.3	-	-
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	-	-
Zinc (dissolved)	µg/l	0.4	ISO 17025	8.2	17	-	-

Analytical Report Number: 25-060970

Project / Site name: Warminster

Your Order No: 5596 DB ADD

Lab Sample Number	745509	745511	745512	745513
Sample Reference	WS08	WS10	Field 2	Field 3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A
Depth (m)	0.00-0.35	0.00-0.30	0.30-1.00	0.50-3.00
Date Sampled	07/11/2025	07/11/2025	07/11/2025	07/11/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	

10:1 WAC Leachate

Arsenic	mg/l	0.001	ISO 17025	-	-	0.00366	0.00102
Barium	mg/l	0.00005	ISO 17025	-	-	0.00575	0.00515
Cadmium	mg/l	0.0001	ISO 17025	-	-	< 0.000100	< 0.000100
Chromium	mg/l	0.0004	ISO 17025	-	-	0.00058	0.0006
Copper	mg/l	0.0007	ISO 17025	-	-	0.0013	0.002
Mercury	mg/l	0.0005	ISO 17025	-	-	< 0.000500	< 0.000500
Molybdenum	mg/l	0.0004	ISO 17025	-	-	< 0.000400	< 0.000400
Nickel	mg/l	0.0003	ISO 17025	-	-	0.00042	0.00056
Lead	mg/l	0.001	ISO 17025	-	-	< 0.0010	< 0.0010
Antimony	mg/l	0.0017	ISO 17025	-	-	0.0046	< 0.0017
Selenium	mg/l	0.004	ISO 17025	-	-	< 0.0040	< 0.0040
Zinc	mg/l	0.0004	ISO 17025	-	-	0.014	0.0051
Chloride	mg/l	0.15	ISO 17025	-	-	12	44
Fluoride	mg/l	0.05	ISO 17025	-	-	0.2	0.19
Sulphate	mg/l	0.045	ISO 17025	-	-	1.7	3.2
Total dissolved solids	mg/l	6	ISO 17025	-	-	58	120
Total monohydric phenols	mg/l	0.01	ISO 17025	-	-	< 0.010	< 0.010
Dissolved organic carbon	mg/l	0.1	NONE	-	-	7.09	7.71

10:1 WAC Leachate

Arsenic	mg/kg	0.01	NONE	-	-	0.0366	0.0102
Barium	mg/kg	0.0005	NONE	-	-	0.0575	0.0515
Cadmium	mg/kg	0.001	NONE	-	-	< 0.00100	< 0.00100
Chromium	mg/kg	0.004	NONE	-	-	0.0058	0.006
Copper	mg/kg	0.007	NONE	-	-	0.013	0.02
Mercury	mg/kg	0.005	NONE	-	-	< 0.00500	< 0.00500
Molybdenum	mg/kg	0.004	NONE	-	-	< 0.00400	< 0.00400
Nickel	mg/kg	0.003	NONE	-	-	0.0042	0.0056
Lead	mg/kg	0.01	NONE	-	-	< 0.010	< 0.010
Antimony	mg/kg	0.017	NONE	-	-	0.046	< 0.017
Selenium	mg/kg	0.04	NONE	-	-	< 0.040	< 0.040
Zinc	mg/kg	0.004	NONE	-	-	0.14	0.051
Chloride	mg/kg	1.5	NONE	-	-	120	440
Fluoride	mg/kg	0.5	NONE	-	-	2	1.9
Sulphate	mg/kg	0.45	NONE	-	-	17	32
Total dissolved solids	mg/kg	60	NONE	-	-	580	1200
Total monohydric phenols	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10
Dissolved organic carbon	mg/kg	1	NONE	-	-	70.9	77.1

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

i2 Analytical

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Waste Acceptance Criteria Analytical Results

Report No:	25-060970					
				Client: Wilson Associates		
Location	Warminster					
Lab Reference (Sample Number)	745512			Landfill Waste Acceptance Criteria		
				Limits		
Sampling Date	07/11/2025			Inert Waste Landfill	Stable Non- reactive HAZARDOUS waste in non- hazardous Landfill	Hazardous Waste Landfil
Sample ID	Field 2					
Depth (m)	0.30-1.00					
Solid Waste Analysis						
TOC (%)**	0.3			3%	5%	6%
Loss on Ignition (%) **	1.4			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg) EH, 1D, CU, AL	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.6			--	>6	--
Acid Neutralisation Capacity (mmol / kg)	7			--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1		10:1	Limit values for compliance leaching test		
	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.00366		0.0366	0.5	2	25
Barium *	0.00575		0.0575	20	100	300
Cadmium *	< 0.000100		< 0.00100	0.04	1	5
Chromium *	0.00058		0.0058	0.5	10	70
Copper *	0.0013		0.013	2	50	100
Mercury *	< 0.000500		< 0.00500	0.01	0.2	2
Molybdenum *	< 0.000400		< 0.00400	0.5	10	30
Nickel *	0.00042		0.0042	0.4	10	40
Lead *	< 0.0010		< 0.010	0.5	10	50
Antimony *	0.0046		0.046	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.014		0.14	4	50	200
Chloride *	12		120	800	15000	25000
Fluoride*	0.2		2	10	150	500
Sulphate *	1.7		17	1000	20000	50000
TDS*	58		580	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	7.09		70.9	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	2					
Dry Matter (%)	87					
Molsture (%)	13					
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Waste Acceptance Criteria Analytical Results

Report No:	25-060970					
				Client: Wilson Associates		
Location	Warminster					
Lab Reference (Sample Number)	745513			Landfill Waste Acceptance Criteria		
				Limits		
Sampling Date	07/11/2025			Inert Waste Landfill	Stable Non- reactive HAZARDOUS waste in non- hazardous Landfill	Hazardous Waste Landfil
Sample ID	Field 3					
Depth (m)	0.50-3.00					
Solid Waste Analysis						
TOC (%)**	< 0.1			3%	5%	6%
Loss on Ignition (%) **	1.4			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg) EH, 1D, CU, AL	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.7			--	>6	--
Acid Neutralisation Capacity (mmol / kg)	6.2			--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1		10:1	Limit values for compliance leaching test		
	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.00102		0.0102	0.5	2	25
Barium *	0.00515		0.0515	20	100	300
Cadmium *	< 0.000100		< 0.00100	0.04	1	5
Chromium *	0.0006		0.006	0.5	10	70
Copper *	0.002		0.02	2	50	100
Mercury *	< 0.000500		< 0.00500	0.01	0.2	2
Molybdenum *	< 0.000400		< 0.00400	0.5	10	30
Nickel *	0.00056		0.0056	0.4	10	40
Lead *	< 0.0010		< 0.010	0.5	10	50
Antimony *	< 0.0017		< 0.017	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.0051		0.051	4	50	200
Chloride *	44		440	800	15000	25000
Fluoride*	0.19		1.9	10	150	500
Sulphate *	3.2		32	1000	20000	50000
TDS*	120		1200	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	7.71		77.1	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	2					
Dry Matter (%)	84					
Molsture (%)	16					
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Analytical Report Number : 25-060970

Project / Site name: Warminster

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
745509	WS08	None Supplied	0.00-0.35	Brown clay with vegetation
745510	WS09	None Supplied	0.30-0.50	Brown clay with vegetation
745511	WS10	None Supplied	0.00-0.30	Brown clay with vegetation
745512	Field 2	None Supplied	0.30-1.00	Brown sandy clay
745513	Field 3	None Supplied	0.50-3.00	Light brown sandy clay

Analytical Report Number : 25-060970

Project / Site name: Warminster

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE
NRA Leachate 10:1		In-house method based on interim NRA guidance (1994)	L020B	W	NONE

Analytical Report Number : 25-060970

Project / Site name: Warminster

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
pH at 20°C in soil	Determination of pH in soil by addition of water followed by electrometric measurement	In-house method	L005B	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with hexane followed by GC-MS	In-house method based on USEPA 8082	L027B	D	MCERTS
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by electrometric measurement	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031B	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination	L033B	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved organic carbon in leachate by TOC/DOC NDIR Analyser	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
One stage WAC 10:1 leachate preparation	One stage batch test at a liquid to solid ratio of 10 L/kg	BS EN 12457-2-2002	L043B	W	ISO 17025
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe	In-house method based on Guidance on Sampling and Testing of Wastes to Meet Landfill Waste Acceptance	L046B	W	NONE
Loss on ignition of soil @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	In-house method	L047-PL	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025

Analytical Report Number : 25-060970

Project / Site name: Warminster

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025

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

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

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

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

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

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

The result for sum should be interpreted with caution

Analytical Report Number : 25-060970

Project / Site name: Warminster

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
Field 2	N/A	S	745512	b	BTEX and/or Volatile organic compounds in soil	L073B	b
Field 2	N/A	S	745512	b	PCB's By GC-MS in soil	L027B	b
Field 2	N/A	S	745512	b	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	b
Field 2	N/A	S	745512	b	Total petroleum hydrocarbons by GC-FID in soil	L076B	b
Field 3	N/A	S	745513	b	BTEX and/or Volatile organic compounds in soil	L073B	b
Field 3	N/A	S	745513	b	PCB's By GC-MS in soil	L027B	b
Field 3	N/A	S	745513	b	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	b
Field 3	N/A	S	745513	b	Total petroleum hydrocarbons by GC-FID in soil	L076B	b

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i2 Analytical Ltd.
7 Woodshots Meadow,
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Herts,
WD18 8YS

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Analytical Report Number : 25-062303

Project / Site name:	Warminster	Samples received on:	18/11/2025
Your job number:	5596	Samples instructed on/ Analysis started on:	18/11/2025
Your order number:	5596 DB ADD2	Analysis completed by:	24/11/2025
Report Issue Number:	1	Report issued on:	24/11/2025
Samples Analysed:	1 soil sample		



Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

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

Analytical Report Number: 25-062303

Project / Site name: Warminster

Your Order No: 5596 DB ADD2

Lab Sample Number		752699		
Sample Reference		Field 3		
Sample Number		None Supplied		
Water Matrix		N/A		
Depth (m)		0.00-0.30		
Date Sampled		14/11/2025		
Time Taken		None Supplied		
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	22
Total mass of sample received	kg	0.1	NONE	1.1

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10
Alachlor	µg/kg	10	NONE	< 10
Bifenthrin	µg/kg	10	NONE	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10
Omethoate	µg/kg	10	NONE	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10
Dimethylvinphos	µg/kg	10	NONE	< 10
Demeton-O	µg/kg	10	NONE	< 10
Demeton-S	µg/kg	10	NONE	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10
Endrin Ketone	µg/kg	10	NONE	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10
Endosulfan sulfate	µg/kg	10	NONE	< 10
Ethirimfos	µg/kg	10	NONE	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10
Hexachlorobenzene	µg/kg	10	NONE	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10
Propetamphos	µg/kg	10	NONE	< 10
Tecnazene	µg/kg	10	NONE	< 10
Triadimefon	µg/kg	10	NONE	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10
Aldrin	µg/kg	10	NONE	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10
Beta-BHC	µg/kg	10	NONE	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10
Chlorothalonil	µg/kg	10	NONE	< 10
Carbophenothion	µg/kg	10	NONE	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10
Delta-BHC	µg/kg	10	NONE	< 10
Dieldrin	µg/kg	10	NONE	< 10
Deltamethrin	µg/kg	10	NONE	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10
Endrin	µg/kg	10	NONE	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10

Analytical Report Number: 25-062303

Project / Site name: Warminster

Your Order No: 5596 DB ADD2

Lab Sample Number				752699
Sample Reference				Field 3
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.00-0.30
Date Sampled				14/11/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	
Fenthion	µg/kg	10	NONE	< 10
Isodrin	µg/kg	10	NONE	< 10
Methacrifos	µg/kg	10	NONE	< 10
O,p'-DDD	µg/kg	10	NONE	< 10
O,p'-DDE	µg/kg	10	NONE	< 10
O,p'-DDT	µg/kg	10	NONE	< 10
Parathion	µg/kg	10	NONE	< 10
Parathion-methyl	µg/kg	10	NONE	< 10
Pendimethalin	µg/kg	10	NONE	< 10
Phorate	µg/kg	10	NONE	< 10
Phosalone	µg/kg	10	NONE	< 10
P,p'-DDD	µg/kg	10	NONE	< 10
P,p'-DDE	µg/kg	10	NONE	< 10
P,p'-DDT	µg/kg	10	NONE	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	< 10
Propyzamide	µg/kg	10	NONE	< 10
Triazophos	µg/kg	10	NONE	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10
Dichlorvos	µg/kg	10	NONE	< 10
Dimethoate	µg/kg	10	NONE	< 10
Diazinon	µg/kg	10	NONE	< 10
Ethion	µg/kg	10	NONE	< 10
Fenitrothion	µg/kg	10	NONE	< 10
Malathion	µg/kg	10	NONE	< 10
Pirimiphos-methyl	µg/kg	10	NONE	< 10
Trifluralin	µg/kg	10	NONE	< 10
Azinphos-ethyl	µg/kg	10	NONE	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-062303**Project / Site name: Warminster**

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

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

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
752699	Field 3	None Supplied	0.00-0.30	Brown loam and clay with gravel and vegetation

Analytical Report Number : 25-062303

Project / Site name: Warminster

Water matrix abbreviations:

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

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

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

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

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

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

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

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

The result for sum should be interpreted with caution

APPENDIX 4

WASTE CLASSIFICATION REPORT AND WASTE ACCEPTANCE CRITERIA (WAC) TEST RESULTS

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



QHAU1-LHH80-6KIR8

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Report is invalid if pages are removed.

Job name

25-060241_HWOL

Description/Comments

Project

5596

Site

Warminster

Classified by

Name: **David Boswell**
Date: **21 Jan 2026 15:21 GMT**
Telephone: **01452 422843**
Company: **Wilson Associates**
36 Brunswick Road
Gloucester
Gloucester
GL1 1JJ

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification

Date

05 Dec 2024

Next 3 year Refresher due by Dec 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

Boreham Road, Warminster

Post Code **BA12 9HL**

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Development / Building Construction

Description of the specific process, sub-process and/or activity that created the waste

Residential Construction

Description of the waste

Made Ground and natural soils from foundation trenches

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01--04112025-0.00		Non Hazardous		3
2	WS02--04112025-0.00		Non Hazardous		8
3	WS03--04112025-0.00		Non Hazardous		10
4	WS03--04112025-0.50		Non Hazardous		12
5	WS04--04112025-0.40		Non Hazardous		14
6	WS05--04112025-0.00		Non Hazardous		16
7	WS06--04112025-0.00		Non Hazardous		18
8	WS07--04112025-0.00		Non Hazardous		20
9	HP1--04112025-0.50		Non Hazardous		25
10	WS08--07112025-0.00		Non Hazardous		27
11	WS09--07112025-0.30		Non Hazardous		29
12	WS10--07112025-0.00		Non Hazardous		31

Related documents

#	Name	Description
1	25-060241_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

Report

Created by: David Boswell

Created date: 21 Jan 2026 15:21 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	33
Appendix B: Rationale for selection of metal species	35
Appendix C: Version	35

Classification of sample: WS01--04112025-0.00

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS01--04112025-0.00	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				5	mg/kg	1.895	7.578	mg/kg	0.000758 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.2	mg/kg	1.855	0.297	mg/kg	0.0000297 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				23	mg/kg	1.462	26.893	mg/kg	0.00269 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				17	mg/kg	3.929	53.435	mg/kg	0.00534 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	25	mg/kg	1.56	31.196	mg/kg	0.002 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				16	mg/kg	5.358	68.586	mg/kg	0.00686 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				57	mg/kg	2.774	126.501	mg/kg	0.0127 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			pH									
13	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
14	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	602-047-00-8	200-349-0	57-74-9									

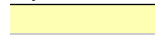
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	hexachlorocyclohexanes, including lindane 602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
16	dieldrin (ISO) 602-049-00-9	200-484-5	60-57-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene 602-051-00-X	200-775-7	72-20-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	aldrin (ISO) 602-048-00-3	206-215-8	309-00-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
20	pentachlorobenzene 602-074-00-5	210-172-0	608-93-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21	alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide 616-015-00-6	240-110-8	15972-60-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-056-00-1	220-147-6	2642-71-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-039-00-9	201-676-1	86-50-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
24	bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate 607-699-00-7		82657-04-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
25	1,2,3-trichlorobenzene 201-757-1	87-61-6			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	1,3,5-trichlorobenzene 203-608-6	108-70-3			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
27	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate 015-071-00-3	207-432-0	470-90-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
28	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate 015-084-00-4	220-864-4	2921-88-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
29	chlorothalonil (ISO); tetrachloroisophthalonitrile 608-014-00-4	217-588-1	1897-45-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
30	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate 015-044-00-6	212-324-1	786-19-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
31	cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)- 2,2-dimethylcyclopropanecarboxylate 607-253-00-1	269-855-7	68359-37-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cypermethrin cis/trans +/- 40/60 607-421-00-4	257-842-9	52315-07-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1) 607-252-00-6	415-130-7	91465-08-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	dichlobenil (ISO); 2,6-dichlorobenzonitrile 608-015-00-X	214-787-5	1194-65-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
35	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate	607-319-00-X	258-256-6	52918-63-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
38	demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate	015-028-00-9	206-053-8	298-03-3	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate	015-029-00-4	204-801-8	126-75-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
41	heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane	602-063-00-5	213-831-0	1024-57-3	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion	015-047-00-2	209-242-3	563-12-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate	015-122-00-X	253-855-9	38260-54-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
44	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate	015-048-00-8	200-231-9	55-38-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
49	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	p,p'-DDD	200-783-0	72-54-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	p,p'-DDE	200-784-6	72-55-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	propryzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
54	phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
55	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
56	tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene	609-044-00-0	204-178-2	117-18-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
57	triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone	606-037-00-4	256-103-8	43121-43-3	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
58	trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	609-046-00-1	216-428-8	1582-09-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	015-054-00-0	204-524-2	122-14-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	hexachlorobutadiene		201-765-5	87-68-3	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene	602-050-00-4	207-366-2	465-73-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
62	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]	015-041-00-X	204-497-7	121-75-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
64	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
65	omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
66	o,p'-DDD		200-166-6	53-19-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
67	o,p'-DDE		222-318-0	3424-82-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
68	o,p'-DDT		212-332-5	789-02-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
69	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
70	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
71	endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite	602-052-00-5	204-079-4	115-29-7	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
72	permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	613-058-00-2	258-067-9	52645-53-1							
Total:								0.0303 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS02--04112025-0.00

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS02--04112025-0.00	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				3.9	mg/kg	1.895	6.206	mg/kg	0.000621 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	22.099	mg/kg	0.00221 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				12	mg/kg	3.929	39.605	mg/kg	0.00396 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	21	mg/kg	1.56	27.515	mg/kg	0.00176 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromide }				11	mg/kg	5.358	49.511	mg/kg	0.00495 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				41	mg/kg	2.774	95.542	mg/kg	0.00955 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
13	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	phenanthrene	201-581-5	85-01-8		0.07 mg/kg		0.0588 mg/kg	0.00000588 %	✓	
18	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene	205-912-4	206-44-0		0.28 mg/kg		0.235 mg/kg	0.0000235 %	✓	
20	pyrene	204-927-3	129-00-0		0.25 mg/kg		0.21 mg/kg	0.000021 %	✓	
21	benzo[a]anthracene	601-033-00-9	200-280-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	chrysene	601-048-00-0	205-923-4		0.2 mg/kg		0.168 mg/kg	0.0000168 %	✓	
23	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.3 mg/kg		0.252 mg/kg	0.0000252 %	✓	
24	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.13 mg/kg		0.109 mg/kg	0.0000109 %	✓	
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.24 mg/kg		0.202 mg/kg	0.0000202 %	✓	
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.13 mg/kg		0.109 mg/kg	0.0000109 %	✓	
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		0.15 mg/kg		0.126 mg/kg	0.0000126 %	✓	
Total:								0.0232 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: **WS03--04112025-0.00**

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS03--04112025-0.00	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17% (wet weight correction)	

Hazard properties

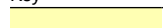
None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				5.4	mg/kg	1.895	8.491	mg/kg	0.000849 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				24	mg/kg	1.462	29.114	mg/kg	0.00291 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				14	mg/kg	3.929	45.656	mg/kg	0.00457 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	25	mg/kg	1.56	32.366	mg/kg	0.00208 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				14	mg/kg	5.358	62.264	mg/kg	0.00623 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				1.3	mg/kg	2.554	2.756	mg/kg	0.000276 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				48	mg/kg	2.774	110.522	mg/kg	0.0111 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
Total:										0.028 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS03--04112025-0.50

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS03--04112025-0.50	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.3% (wet weight correction)	

Hazard properties

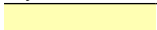
None identified

Determinands

Moisture content: 9.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				5.3	mg/kg	1.895	9.107	mg/kg	0.000911 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	23.861	mg/kg	0.00239 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				4.7	mg/kg	3.929	16.749	mg/kg	0.00167 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	2.2	mg/kg	1.56	3.112	mg/kg	0.0002 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				9.8	mg/kg	5.358	47.628	mg/kg	0.00476 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				15	mg/kg	2.774	37.742	mg/kg	0.00377 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				8.4	pH		8.4	pH	8.4 pH		
			PH									
Total:										0.0137 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS04--04112025-0.40

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS04--04112025-0.40	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.8% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				9.6	mg/kg	1.895	16.405	mg/kg	0.00164 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.502	mg/kg	0.0000502 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	29.003	mg/kg	0.0029 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				31	mg/kg	3.929	109.864	mg/kg	0.011 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	92	mg/kg	1.56	129.44	mg/kg	0.0083 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.6	mg/kg	1.353	0.733	mg/kg	0.0000733 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				15	mg/kg	5.358	72.498	mg/kg	0.00725 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				100	mg/kg	2.774	250.228	mg/kg	0.025 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
16	pH				8 pH		8 pH	8pH		
17	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				0.22 mg/kg		0.198 mg/kg	0.0000198 %	✓	
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				0.1 mg/kg		0.0902 mg/kg	0.00000902 %	✓	
		201-695-5	86-73-7							
21	phenanthrene				1.3 mg/kg		1.173 mg/kg	0.000117 %	✓	
		201-581-5	85-01-8							
22	anthracene				0.83 mg/kg		0.749 mg/kg	0.0000749 %	✓	
		204-371-1	120-12-7							
23	fluoranthene				5.5 mg/kg		4.961 mg/kg	0.000496 %	✓	
		205-912-4	206-44-0							
24	pyrene				4.6 mg/kg		4.149 mg/kg	0.000415 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				4 mg/kg		3.608 mg/kg	0.000361 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				3.1 mg/kg		2.796 mg/kg	0.00028 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				3.7 mg/kg		3.337 mg/kg	0.000334 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				1.4 mg/kg		1.263 mg/kg	0.000126 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				2.8 mg/kg		2.526 mg/kg	0.000253 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				1.1 mg/kg		0.992 mg/kg	0.0000992 %	✓	
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				0.47 mg/kg		0.424 mg/kg	0.0000424 %	✓	
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				1.3 mg/kg		1.173 mg/kg	0.000117 %	✓	
		205-883-8	191-24-2							
Total:								0.059 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS05--04112025-0.00

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS05--04112025-0.00	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21% (wet weight correction)	

Hazard properties

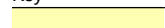
None identified

Determinands

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				6.2	mg/kg	1.895	9.279	mg/kg	0.000928 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.2	mg/kg	1.855	0.293	mg/kg	0.0000293 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				28	mg/kg	1.462	32.33	mg/kg	0.00323 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				15	mg/kg	3.929	46.559	mg/kg	0.00466 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	32	mg/kg	1.56	39.432	mg/kg	0.00253 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				20	mg/kg	5.358	84.661	mg/kg	0.00847 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				61	mg/kg	2.774	133.686	mg/kg	0.0134 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				8.1	pH		8.1	pH	8.1 pH		
			PH									
Total:										0.0332 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: **WS06--04112025-0.00**

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS06--04112025-0.00	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18% (wet weight correction)	

Hazard properties

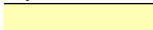
None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				5.2	mg/kg	1.895	8.078	mg/kg	0.000808 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				28	mg/kg	1.462	33.557	mg/kg	0.00336 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				14	mg/kg	3.929	45.106	mg/kg	0.00451 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	31	mg/kg	1.56	39.651	mg/kg	0.00254 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				20	mg/kg	5.358	87.876	mg/kg	0.00879 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				61	mg/kg	2.774	138.763	mg/kg	0.0139 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.7	pH		7.7	pH	7.7 pH		
			PH									
Total:										0.0339 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS07--04112025-0.00

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS07--04112025-0.00	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				6.7	mg/kg	1.895	10.916	mg/kg	0.00109 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.478	mg/kg	0.0000478 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				24	mg/kg	1.462	30.167	mg/kg	0.00302 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				21	mg/kg	3.929	70.959	mg/kg	0.0071 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	77	mg/kg	1.56	103.291	mg/kg	0.00662 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				13	mg/kg	5.358	59.906	mg/kg	0.00599 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				96	mg/kg	2.774	229.034	mg/kg	0.0229 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				6.9	pH		6.9	pH	6.9 pH		
			PH									
13	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
14	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	602-047-00-8	200-349-0	57-74-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	hexachlorocyclohexanes, including lindane				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
16	dieldrin (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-049-00-9	200-484-5	60-57-1							
17	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-051-00-X	200-775-7	72-20-8							
18	hexachlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
19	aldrin (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-048-00-3	206-215-8	309-00-2							
20	pentachlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-074-00-5	210-172-0	608-93-5							
21	alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	616-015-00-6	240-110-8	15972-60-8							
22	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
23	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
24	bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	607-699-00-7		82657-04-3							
25	1,2,3-trichlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-757-1	87-61-6							
26	1,3,5-trichlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-608-6	108-70-3							
27	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
28	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							
29	chlorothalonil (ISO); tetrachloroisophthalonitrile				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	608-014-00-4	217-588-1	1897-45-6							
30	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
31	cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	607-253-00-1	269-855-7	68359-37-5							
32	cypermethrin (ISO); a-cyano-3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; cypermethrin cis/trans +/- 40/60				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	607-421-00-4	257-842-9	52315-07-8							
33	lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	607-252-00-6	415-130-7	91465-08-6							
34	dichlobenil (ISO); 2,6-dichlorobenzonitrile				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	608-015-00-X	214-787-5	1194-65-6							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
35	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
36	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							
37	deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	607-319-00-X	258-256-6	52918-63-5							
38	demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-028-00-9	206-053-8	298-03-3							
39	demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-029-00-4	204-801-8	126-75-0							
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
41	heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-063-00-5	213-831-0	1024-57-3							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
44	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
45	pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-042-00-X	254-938-2	40487-42-1							
46	phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-033-00-6	206-052-2	298-02-2							
47	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
48	pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-099-00-6	245-704-0	23505-41-1							
49	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
50	p,p'-DDD				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-783-0	72-54-8							
51	p,p'-DDE				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-784-6	72-55-9							
52	propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	616-055-00-4	245-951-4	23950-58-5							
53	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
54	phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
55	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
56	tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene	609-044-00-0	204-178-2	117-18-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
57	triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone	606-037-00-4	256-103-8	43121-43-3	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
58	trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	609-046-00-1	216-428-8	1582-09-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	015-054-00-0	204-524-2	122-14-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	hexachlorobutadiene	201-765-5	87-68-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene	602-050-00-4	207-366-2	465-73-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
62	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]	015-041-00-X	204-497-7	121-75-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
64	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
65	omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
66	o,p'-DDD	200-166-6	53-19-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
67	o,p'-DDE	222-318-0	3424-82-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
68	o,p'-DDT	212-332-5	789-02-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
69	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
70	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
71	endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite	602-052-00-5	204-079-4	115-29-7	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
72	permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	613-058-00-2	258-067-9	52645-53-1							
Total:								0.0468 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP1--04112025-0.50

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
HP1--04112025-0.50	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
16%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				3.8	mg/kg	1.895	6.047	mg/kg	0.000605 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				31	mg/kg	1.462	38.059	mg/kg	0.00381 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				6.6	mg/kg	3.929	21.783	mg/kg	0.00218 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	6.4	mg/kg	1.56	8.386	mg/kg	0.000538 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				13	mg/kg	5.358	58.513	mg/kg	0.00585 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				31	mg/kg	2.774	72.239	mg/kg	0.00722 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.1	pH		7.1	pH	7.1 pH		
			PH									
13	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene	205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	pyrene	204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
21	benzo[a]anthracene	601-033-00-9	200-280-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	chrysene	601-048-00-0	205-923-4		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
Total:								0.0202 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS08--07112025-0.00

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS08--07112025-0.00	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				4.7	mg/kg	1.895	7.747	mg/kg	0.000775 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.2	mg/kg	1.855	0.323	mg/kg	0.0000323 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	27.974	mg/kg	0.0028 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }					mg/kg	2.27		mg/kg		✓	ND
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				18	mg/kg	3.929	61.529	mg/kg	0.00615 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	28	mg/kg	1.56	37.997	mg/kg	0.00244 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				14	mg/kg	5.358	65.264	mg/kg	0.00653 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				53	mg/kg	2.774	127.916	mg/kg	0.0128 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
13	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	801-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene	205-912-4	206-44-0		0.12 mg/kg		0.104 mg/kg	0.0000104 %	✓	
20	pyrene	204-927-3	129-00-0		0.12 mg/kg		0.104 mg/kg	0.0000104 %	✓	
21	benzo[a]anthracene	601-033-00-9	200-280-6		0.08 mg/kg		0.0696 mg/kg	0.00000696 %	✓	
22	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.087 mg/kg	0.0000087 %	✓	
23	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.13 mg/kg		0.113 mg/kg	0.0000113 %	✓	
24	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.08 mg/kg		0.0696 mg/kg	0.00000696 %	✓	
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.06 mg/kg		0.0522 mg/kg	0.00000522 %	✓	
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		0.07 mg/kg		0.0609 mg/kg	0.00000609 %	✓	
Total:								0.0316 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS09--07112025-0.30

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS09--07112025-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				4.5	mg/kg	1.895	7.332	mg/kg	0.000733 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	25.139	mg/kg	0.00251 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }					mg/kg	2.27		mg/kg		✓	ND
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				12	mg/kg	3.929	40.548	mg/kg	0.00405 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	32	mg/kg	1.56	42.926	mg/kg	0.00275 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				14	mg/kg	5.358	64.514	mg/kg	0.00645 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				43	mg/kg	2.774	102.588	mg/kg	0.0103 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
Total:										0.0268 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS10--07112025-0.00

 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:	
WS10--07112025-0.00	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				5.2	mg/kg	1.895	8.374	mg/kg	0.000837 %	✓	
	033-005-00-1											
2	cadmium { cadmium sulfate }				0.3	mg/kg	1.855	0.473	mg/kg	0.0000473 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				26	mg/kg	1.462	32.3	mg/kg	0.00323 %	✓	
		215-160-9	1308-38-9									
4	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }					mg/kg	2.27		mg/kg		✓	ND
	024-017-00-8											
5	copper { copper sulphate pentahydrate }				17	mg/kg	3.929	56.775	mg/kg	0.00568 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
6	lead { lead chromate }			1	32	mg/kg	1.56	42.427	mg/kg	0.00272 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel dibromate }				16	mg/kg	5.358	72.873	mg/kg	0.00729 %	✓	
	028-053-00-5	238-596-1	14550-87-9									
9	selenium { nickel selenate }				1.7	mg/kg	2.554	3.69	mg/kg	0.000369 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
10	zinc { zinc chromate }				57	mg/kg	2.774	134.407	mg/kg	0.0134 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	pH				7.4	pH		7.4	pH	7.4 pH		
			PH									
13	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	801-052-00-2	202-049-5	91-20-3									
14	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
15	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
16	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	phenanthrene	201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	fluoranthene	205-912-4	206-44-0		0.12 mg/kg		0.102 mg/kg	0.0000102 %	✓	
20	pyrene	204-927-3	129-00-0		0.12 mg/kg		0.102 mg/kg	0.0000102 %	✓	
21	benzo[a]anthracene	601-033-00-9	200-280-6		0.08 mg/kg		0.068 mg/kg	0.0000068 %	✓	
22	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.085 mg/kg	0.0000085 %	✓	
23	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.13 mg/kg		0.111 mg/kg	0.0000111 %	✓	
24	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.08 mg/kg		0.068 mg/kg	0.0000068 %	✓	
26	indeno[123-cd]pyrene	205-893-2	193-39-5		0.06 mg/kg		0.051 mg/kg	0.0000051 %	✓	
27	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[ghi]perylene	205-883-8	191-24-2		0.07 mg/kg		0.0595 mg/kg	0.00000595 %	✓	
Total:								0.0337 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
•	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

■ **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

■ **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302, Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335, STOT SE 3; H336, Aquatic Acute 1; H400, Aquatic Chronic 3; H410

■ **1,3,5-trichlorobenzene** (EC Number: 203-608-6, CAS Number: 108-70-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/134881>

Data source date: 20 Jul 2023

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 4; H312, Skin Irrit. 2; H315, Eye Irrit. 2; H319, Acute Tox. 4; H332, STOT SE 3; H335, Aquatic Chronic 2; H411

■ **p,p'-DDD** (EC Number: 200-783-0, CAS Number: 72-54-8)

Description/Comments: other names: Rhothane; p,p'-TDE; 4,4'-DDD; 4,4'-TDE;

Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21283>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301, Acute Tox. 4; H312, Carc. 2; H351, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **p,p'-DDE** (EC Number: 200-784-6, CAS Number: 72-55-9)

Description/Comments: other names: 4,4'-DDE; 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene

Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21845>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 3; H311, Skin Irrit. 2; H315, Acute Tox. 3; H331, Acute Tox. 4; H332, Carc. 2; H351, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301, Acute Tox. 2; H310, Skin Irrit. 2; H315, Skin Sens. 1; H317, Eye Irrit. 2; H319, Acute Tox. 2; H330, Carc. 2; H351, Repr. 2; H361, STOT SE 2; H371, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

■ **o,p'-DDD** (EC Number: 200-166-6, CAS Number: 53-19-0)

Description/Comments: other names: Mitotane; o,p'-TDE; 2,4'-DDD; 2,4'-TDE;

Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/10014>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H312, Carc. 2; H351, Repr. 1A; H360FD, STOT RE 1; H372, Aquatic Acute 1; H400 (M=100), Aquatic Chronic 1; H410 (M=100)

■ **o,p'-DDE** (EC Number: 222-318-0, CAS Number: 3424-82-6)

Description/Comments: other names: 2,4'-DDE; 2,2,o,p'-tetrachlorovinylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/101358>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **o,p'-DDT** (EC Number: 212-332-5, CAS Number: 789-02-6)

Description/Comments: other names: 2,4'-DDT; 2,2,2,o,p'-pentachloroethylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/82255>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 2; H330 , Carc. 2; H351 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

■ **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

■ **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

▪ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from:: IARC Group 2B (77) 2000

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species based on hazard statements/molecular weight and conversion factor for arsenic acid H₃AsO₄. (edit as required)

cadmium {cadmium sulfate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

chromium in Cr(III) compounds {chromium(III) oxide (worst case)}

There isn't enough Cr(VI) to make the Metal chromate

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight (edit as required)

copper {copper sulphate pentahydrate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Reasonable worst case CLP species based on hazard statements/molecular weight and assuming no evidence for the use of explosives. (edit as required)

nickel {nickel dibromate}

Worst case CLP species based on hazard statements/molecular weight. (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2026.19.6953.12548 (20 Jan 2026)
HazWasteOnline Database: 2026.19.6953.12548 (20 Jan 2026)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025

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Waste Acceptance Criteria Analytical Results

Report No:	25-060970					
				Client: Wilson Associates		
Location	Warminster					
Lab Reference (Sample Number)	745512			Landfill Waste Acceptance Criteria		
				Limits		
Sampling Date	07/11/2025			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	Field 2					
Depth (m)	0.30-1.00					
Solid Waste Analysis						
TOC (%)**	0.3			3%	5%	6%
Loss on Ignition (%) **	1.4			--	--	10%
BTEX (µg/kg) **	< 10			6000	--	--
Sum of PCBs (mg/kg) **	< 0.007			1	--	--
Mineral Oil (mg/kg) EH, 1D, CU, AL	< 10			500	--	--
Total PAH (WAC-17) (mg/kg)	< 0.85			100	--	--
pH (units)**	7.6			--	>6	--
Acid Neutralisation Capacity (mmol / kg)	7			--	To be evaluated	To be evaluated
Eluate Analysis (BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1		10:1	Limit values for compliance leaching test		
	mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.00366		0.0366	0.5	2	25
Barium *	0.00575		0.0575	20	100	300
Cadmium *	< 0.000100		< 0.00100	0.04	1	5
Chromium *	0.00058		0.0058	0.5	10	70
Copper *	0.0013		0.013	2	50	100
Mercury *	< 0.000500		< 0.00500	0.01	0.2	2
Molybdenum *	< 0.000400		< 0.00400	0.5	10	30
Nickel *	0.00042		0.0042	0.4	10	40
Lead *	< 0.0010		< 0.010	0.5	10	50
Antimony *	0.0046		0.046	0.06	0.7	5
Selenium *	< 0.0040		< 0.040	0.1	0.5	7
Zinc *	0.014		0.14	4	50	200
Chloride *	12		120	800	15000	25000
Fluoride*	0.2		2	10	150	500
Sulphate *	1.7		17	1000	20000	50000
TDS*	58		580	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010		< 0.10	1	-	-
DOC	7.09		70.9	500	800	1000
Leach Test Information						
Stone Content (%)	< 0.1					
Sample Mass (kg)	2					
Dry Matter (%)	87					
Molsture (%)	13					
Results are expressed on a dry weight basis, after correction for moisture content where applicable.				* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation				** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



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The results included within the report are representative of the samples submitted for analysis.