Wheatsheaf PH
25 Rathbone Place
London W1T 1JB

Desk Study, Ground Investigation & Basement Impact Assessment Report

Shaftesbury CL Limited

September 2022

J22235
Rev 0

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0	Final		29 September 2022	[redacted]

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This report is intended as a Ground Investigation Report (GIR) as defined in BS EN1997-2, unless specifically noted otherwise. The report is not a Geotechnical Design Report (GDR) as defined in EN1997-2 and recommendations made within this report are for guidance only.

CONTENTS

Part 3: BASEMENT IMPACT ASSESSMENT

EXECUTIVE SUMMARY

This executive summary contains an overview of the key findings and conclusions. No reliance should be placed on any part of the executive summary until the whole of the report has been read. Other sections of the report may contain information that puts into context the findings that are summarised in the executive summary.

BRIEF

This report describes the findings of a ground investigation and basement impact assessment carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of Fresson and Tee, on behalf of Shaftesbury CL Ltd, with respect to the proposed redevelopment, which comprises deepening of an existing basement by 600 mm. The purpose of the work has been to determine the ground conditions and hydrogeology, to assess the extent of any contamination and to provide information to assist with the design of suitable foundations. The report also includes information required to comply with London Borough of Camden Planning Guidance: Basements (2021), relating to the requirement for a Basement Impact Assessment (BIA).

A desk-based BIA was previously completed by GEA for this site (report ref J17233 rev 3, dated April 2022). This report includes the previous information and supersedes the desk-based report.

SUMMARY OF DESK STUDY FINDINGS

The earliest historical map studied, Greenwood's Map of London, dated circa 1827, shows the site and surrounding area to have been developed by this time, with Rathbone Place and possibly Percy Mews shown to have been established. The earliest Ordnance Survey (OS) map studied, dated 1872, shows the site to be occupied by a Public House. The immediately surrounding area was occupied by relatively small buildings which were presumably small shops or houses. At some time between 1916 and 1948, buildings approximately 60 m to the southwest and 50 m to the east of the site were damaged, destroyed or demolished, presumably to a large extent due to World War II bombing. The 1953 map labels some of these damaged areas as ruins and a car park is shown to the southwest; the houses to the southeast of the site had also changed layout during this time. Between 1954 and 1961 the previously damaged area to the southwest, and other adjacent buildings, are shown to have been demolished, and the 1984 map labels a building in this area as the Western Division Sorting office for the Post Office. The maps show no significant change to have occurred to the site since 1872.

GROUND CONDITIONS

The investigation generally confirmed the expected ground conditions in that, below a moderate thickness of made ground, the Lynch Hill Gravel Member is present and extends to the maximum depth investigated, of 1.40 m. The made ground was recorded to a maximum depth of 1.15 m where proved, and generally comprised brown gravelly to very gravelly sandy clay and orange / brown silty clay with occasional gravel. The Lynch Hill Gravel generally comprised firm brown silty clay with occasional fine flint gravel and fine crystals, and extended to the maximum depth investigated of 1.40 m.

Groundwater was not encountered during the investigation. The contamination testing did not reveal elevated concentrations of any of the contaminants tested and none of the samples were found to contain asbestos.

RECOMMENDATIONS

It is understood that it is proposed to lower the existing basement by 600 mm to provide additional headroom. Based on the findings of the two trial pits excavated within the front vaults, which revealed that the party walls with Nos 24 and 26 Rathbone Place are founded at depths of 1.40 m and 0.95 m respectively, it is considered likely that it will be feasible to lower the floor level without the need for underpinning. Once access is available it would be prudent to investigate the depth of the footings along the remaining walls, to confirm that there is no requirement for underpinning.

On the basis of the fieldwork, groundwater is unlikely to be encountered within the excavation, although inflows of perched water from within the made ground should be anticipated.

BASEMENT IMPACT ASSESSMENT

The BIA has not indicated any concerns with regard to the effects of the proposed basement on the site and surrounding area. It has been concluded that the impacts identified can be mitigated by appropriate design and standard construction practice.

Part 1: INVESTIGATION REPORT

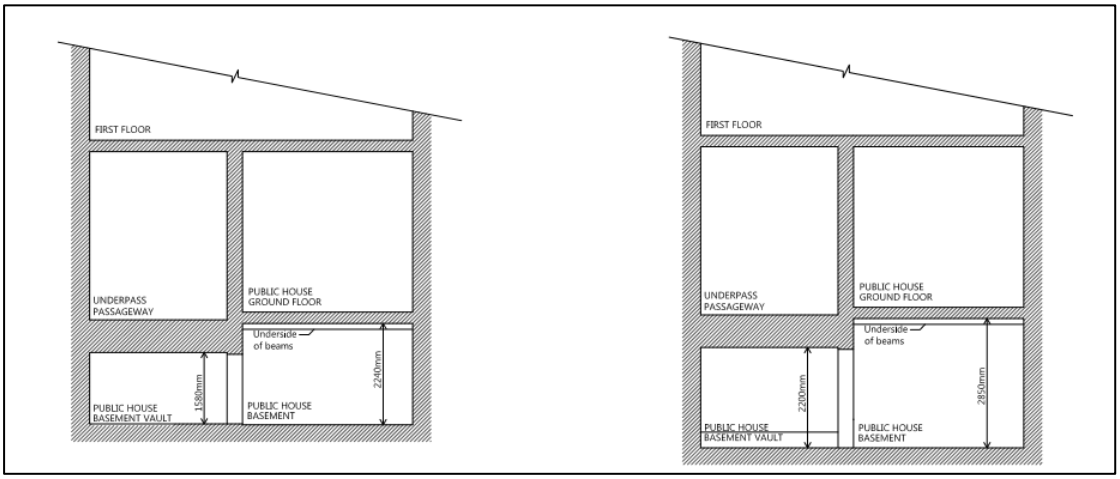
This section of the report details the objectives of the investigation, the work that has been carried out to meet these objectives and the results of the investigation. Interpretation of the findings is presented in Part 2.

1.0 INTRODUCTION

Geotechnical and Environmental Associates (GEA) has been commissioned by Fresson and Tee, on behalf of Shaftesbury CL Ltd, to carry out a ground investigation and Basement Impact Assessment (BIA) at Wheatsheaf Public House, 25 Rathbone Street, London, W1T 1JB. The BIA has been carried out in accordance with guidelines from the London Borough of Camden (LBC) in support of a planning application

1.1 Proposed Development

It is understood that it is proposed to lower the existing basement by 600 mm to provide additional headroom. The scheme also seeks to redevelop the upper floors into residential flats.



Section through existing basement (left) and proposed (right)

This report is specific to the proposed development and the advice herein should be reviewed if the development proposals are amended.

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1.2 Purpose of Work

The principal technical objectives of the work carried out were as follows:

- to determine the history of the site and surrounding area;
- to research the geology and hydrogeology of the site;
- to check records of data on groundwater, surface water and other publicly available environmental data;
- to use the information obtained in the above searches to carry out a qualitative risk assessment with respect to subsurface contamination; and

- to assess the possible impact of the proposed development on the local hydrogeology, hydrology and stability of surrounding structures in support of a basement planning application.

1.3 Scope of Work

In order to meet the above objectives, a desk study has been carried out comprising, in summary, the following activities:

- a review of readily available geological maps;
- a review of publicly available environmental data sourced from the Landmark Envirocheck database;
- a review of historical Ordnance Survey (OS) maps supplied by Landmark; and
- a review of the GEA archive of previous ground investigations.

In the light of this desk study an intrusive ground investigation was carried out which comprised, in summary, the following activities;

- two foundation inspection trial pits, hand excavated to depths of 1.40 m and 1.15 m;
- testing of selected soil samples for contamination and geotechnical purposes; and
- provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

1.3.1 Basement Impact Assessment

The work carried out includes a Hydrological and Hydrogeological Assessment and Land Stability Assessment (also referred to as Slope Stability Assessment). These assessments form part of the BIA procedure specified in the London Borough of Camden Planning Guidance CPG[1] and their Guidance for Subterranean Development[2] prepared by Arup (the "Arup report") in accordance with Policy A5 of the Camden Local Plan 2017. The aim of the work is to provide information on surface water, groundwater and land stability and in particular to assess whether the development will affect neighbouring properties or groundwater movements and whether any identified impacts can be appropriately mitigated by the design of the development.

1.3.2 Qualifications

The land stability element of the Basement Impact Assessment (BIA) has been carried out by Martin Cooper, a BEng in Civil Engineering, a chartered engineer (CEng), member of the Institution of Civil Engineers (MICE), and Fellow of the Geological Society (FGS) who has over 20 years' specialist experience in ground engineering. The subterranean (groundwater) flow assessment has been carried out by John Evans, MSc in Hydrogeology, Chartered Geologist (CGeol) and Fellow of the Geological Society of London (FGS). The surface water and flooding assessment has been carried out by Rupert Evans, a hydrologist with more than ten years consultancy experience in flood risk assessment, surface water drainage schemes and hydrology / hydraulic modelling. Rupert Evans is a Chartered Environmentalist, Chartered Water and Environmental Manager and a Member of CIWEM.

1 London Borough of Camden Planning Guidance CPG (January 2021) *Basements*
2 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010

The assessments have been made in conjunction with Steve Branch, a BSc in Engineering Geology and Geotechnics, MSc in Geotechnical Engineering, a Chartered Geologist (CGeol) and Fellow of the Geological Society (FGS) with some 30 years' experience in geotechnical engineering and engineering geology.

All assessors meet the qualification requirements of the Council guidance.

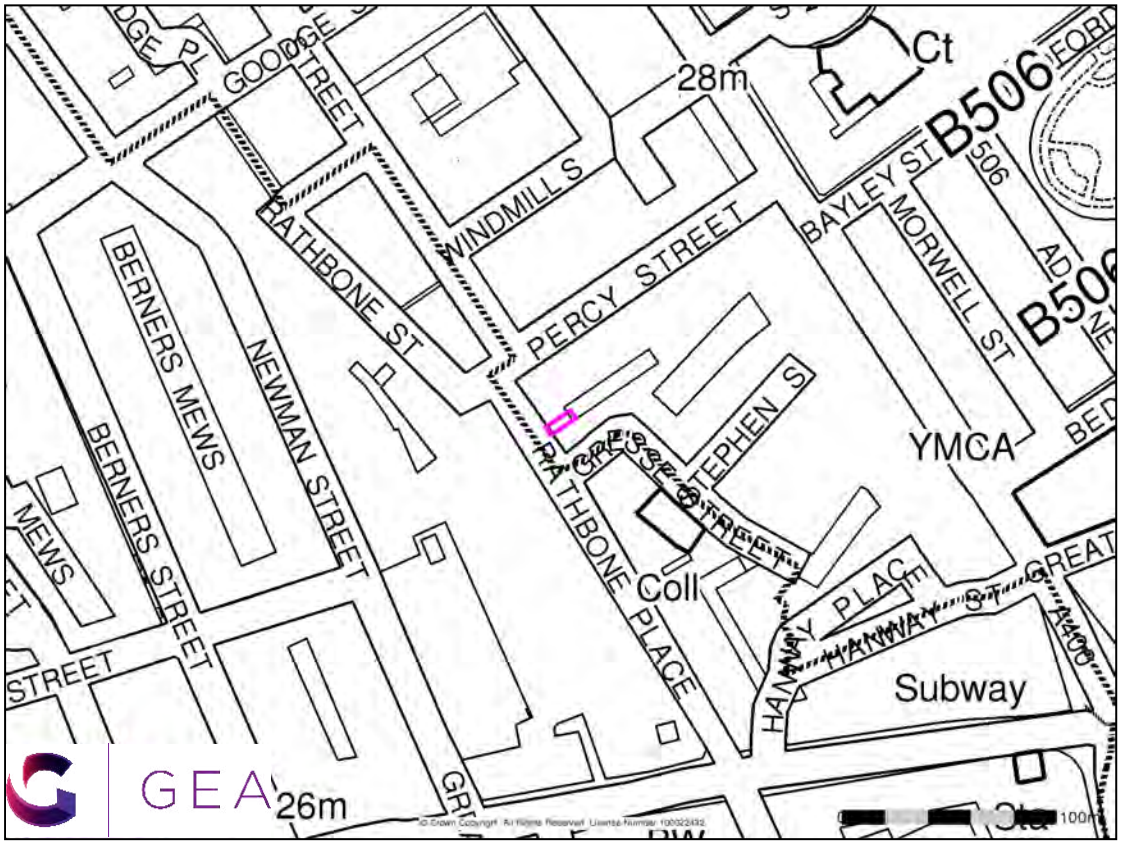
1.4 Limitations

The conclusions and recommendations made in this report are limited to those that can be made on the basis of the investigation. The results of the work should be viewed in the context of the range of data sources consulted, the number of locations where the ground was sampled and the number of soil, gas or ground water samples tested. No liability can be accepted for information in other data sources or conditions not revealed by the sampling or testing. Any comments made on the basis of information obtained from the client or third parties are given in good faith on the assumption that the information is accurate; no independent validation of such information has been made by GEA.

2.0 THE SITE

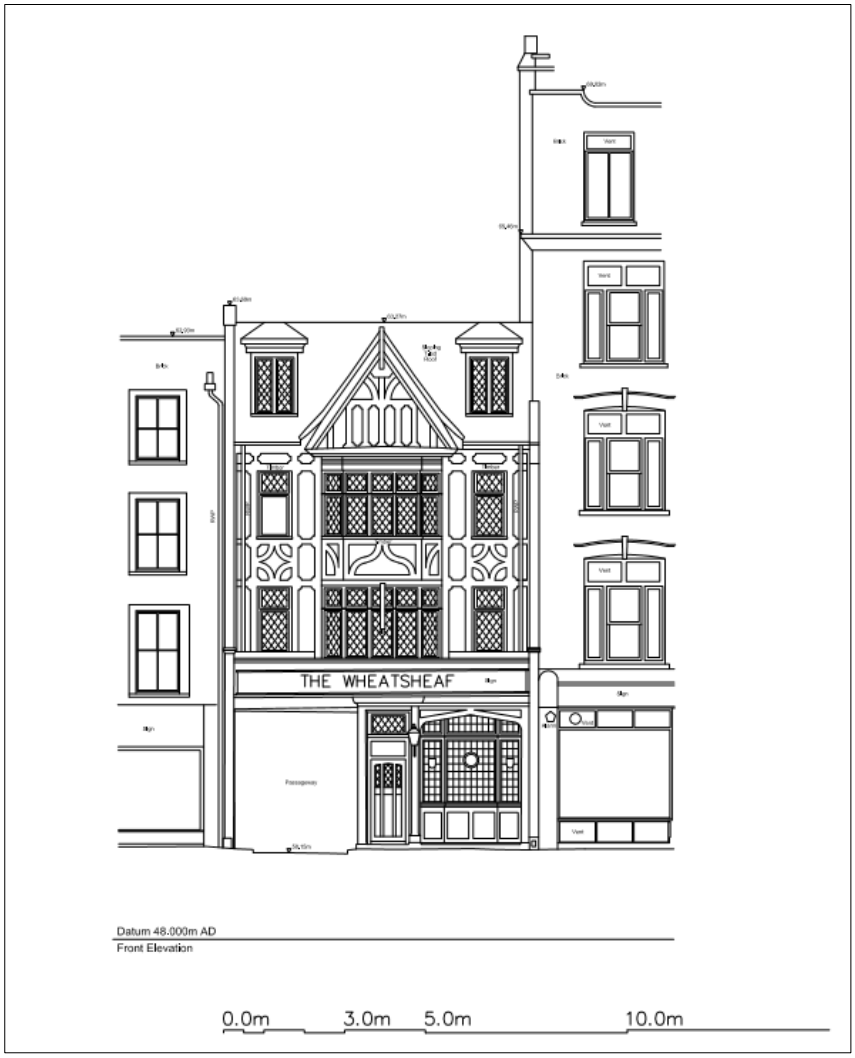
2.1 Site Description

The site is located roughly 200 m northwest of Tottenham Court Road London Underground Station and fronts onto Rathbone Place to the west. It is bordered by mixed use commercial and residential buildings to the north and south and by Percy Mews to the east. The site is occupied by the Wheatsheaf Public House and may additionally be located by National Grid Reference 529567, 181521, as shown on the location map below.



The site measures approximately 12 m by 8 m and is roughly rectangular in shape. It is currently occupied by a five-storey building occupied by a public house, with a 1.55 m deep cellar in the southern half of the site; the northern half of the building extends over Percy Mews with an underpass below the first floor of the pub providing access to the rear. The cellar and ground floor are used for the public house and the upper floors are used as ancillary accommodation.

The site and surrounding areas appear to be relatively flat, and the building occupies the entire site, such that there is no vegetation or soft landscaping.



Existing front elevation

2.2 Site History

The site history has been researched by reference to online data and historical OS maps obtained from the Landmark database.

The earliest map studied, Greenwood's Map of London dated circa 1827, shows the site and the surrounding area to have been developed by this time. Rathbone Place and what appears to be Percy Mews are shown to have been established.

The earliest Ordnance Survey map studied, dated 1872 shows the site to be occupied by a public house, which is presumably the existing building. The immediately surrounding area was

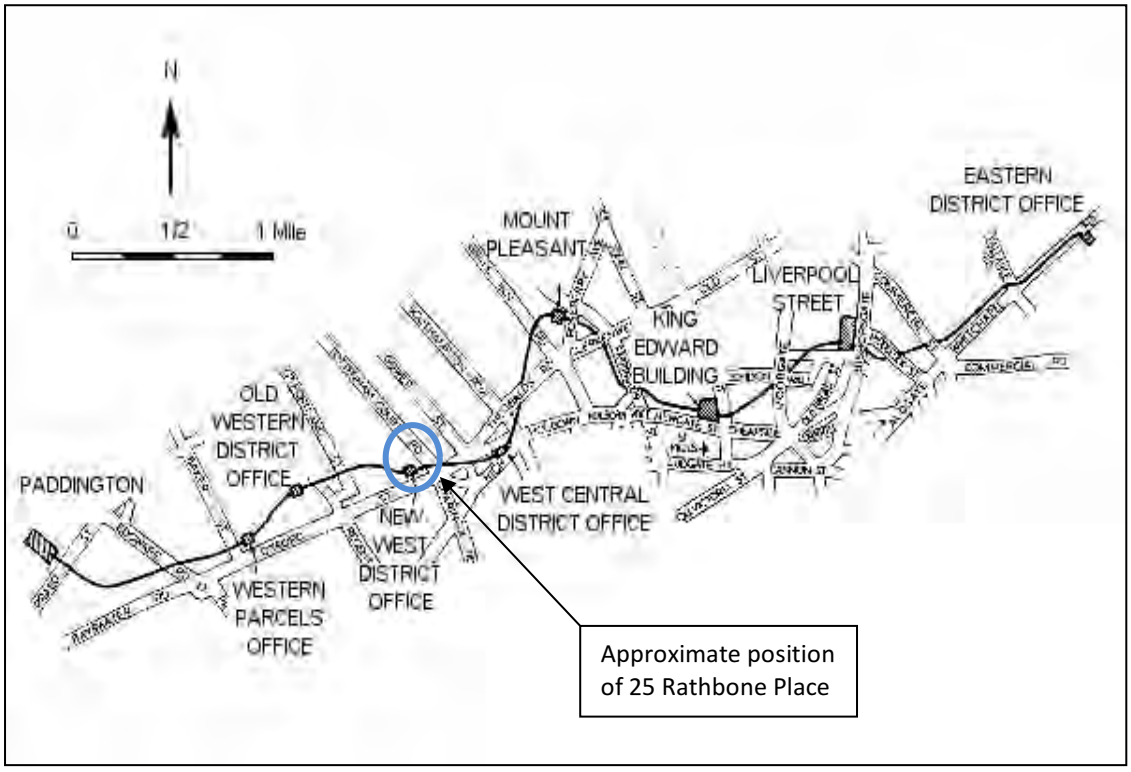
occupied by relatively small buildings which were presumably small shops or houses. At some time between 1916 and 1948 buildings approximately 60 m to the southwest and 50 m to the east of the site had been damaged, destroyed or demolished, presumably due to World War II bomb damage.

The 1953 map labels some of these damaged areas as ruins and a car park is shown to the southwest; the houses to the southeast of the site had also changed layout during this time. Between 1954 and 1961 the previously damaged area to the southwest and other adjacent buildings are shown to have been demolished, and the 1984 map labels a building in this area as the Western Division Sorting office for the Post Office.

The maps show no significant change to have occurred to the site since 1872.

2.3 Other Information

The now disused Post Office Railway passes through the West Division Sorting Office. The sketch plan below shows the approximate position of the tunnel which, appears to run adjacent to Oxford Street, about 100 m south of the site. The tunnels are typically 2.13 m in diameter[3] and the section of track near Rathbone Place was opened in 1965.



A search of public registers and databases has been made via the Envirocheck database and relevant extracts from the search are appended. Full results of the search can be provided if required.

The Envirocheck report has indicated no existing or historical landfill sites, waste management or waste transfer sites located within 1 km of the site. There have been no pollution incidents to controlled waters within 250 m of the site.

3 http://www.postalheritage.org.uk/page/mailrail

The site does not lie within any known areas of sensitive land use or within a nitrate vulnerable zone.

Reference to records compiled by the Health Protection Agency (formerly the National Radiological Protection Board) indicates that the site falls within an area where less than 1% of homes are affected by radon emissions and therefore radon protective measures will not be necessary.

2.4 Geology

The British Geological Survey (BGS) map of the area indicates that the site is underlain by the Lynch Hill Gravel Member which overlies the London Clay Formation. According to the British Geological Society memoir the Lynch Hill Gravel Member is sand and gravel, with local lenses of silt, clay or peat. The London Clay Formation is a homogenous, slightly calcareous silty clay to very silty clay, with some beds of clayey silt grading to silty fine-grained sand.

Archived BGS borehole information indicates that about 50 m to the west of the site, made ground extends to a depth of 5.00 m whereupon sand and gravel of the Lynch Hill Gravel was encountered and extends to a depth of 8.80 m, below which the London Clay Formation was encountered. Groundwater was noted in this borehole at a depth of 7.70 m.

Another BGS borehole located about 100 m to the east of the site indicated made ground to a depth of 1.60 m, below which sand and gravel was encountered and extended to a depth of 5.11 m whereupon the London Clay was encountered. Groundwater was not encountered in this borehole.

GEA has previously carried out a ground investigation on Rathbone Place about 60 m to the south of the site. The investigation was limited by available access but window sampling and probing from within an existing basement found Lynch Hill Gravel directly below the basement floor slab and probing indicated the base of the gravel at a depth of 4.50 m below basement level.

2.5 Hydrology and Hydrogeology

The Lynch Hill Gravel is classified by the Environment Agency (EA) as a Secondary 'A' Aquifer, which refers to rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. Under the same system, the London Clay is classified as a Non-Aquifer and Unproductive Stratum, which refers to a soil or rock with low permeability which has a negligible significance for local water supplies or river base flow.

There are no EA designated Source Protection Zones (SPZs) on the site and there are no listed water abstraction points within 250 m of the site.

The nearest surface water feature to the site is what appears to be a pond in Hanover Square, about 789 m southwest of the site. The River Thames is approximately 2.75 km to the southeast and flows in an easterly direction.

Groundwater is likely to be present in the Lynch Hill Gravel and the previous GEA ground investigation carried out on Rathbone Place a short distance to the south indicated groundwater within the Lynch Hill Gravel at a depth of about 3.50 m below basement level and thus about 6.50 m below ground level. The direction of groundwater flow is likely to be controlled by the

local topography and therefore is likely to be in a southerly and south-easterly direction. The majority of surface runoff is likely to drain into combined sewers in the road.

Historically[4]; a tributary of the Fleet, one of London's "lost" rivers, originated approximately 720 m northwest of the site, and flowed in a north-easterly direction.

The site is not within an area shown by the Environment Agency (EA) to be at risk of flooding from rivers, the sea, groundwater, artificial sources or surface water.

The site is currently covered by the existing building such that there will be no infiltration of surface water into the ground beneath the site.

2.6 Preliminary Risk Assessment

Part IIA of the Environmental Protection Act 1990, which was inserted into that Act by Section 57 of the Environment Act 1995, provides the main regulatory regime for the identification and remediation of contaminated land. The determination of contaminated sites is based on a "suitable for use" approach, which involves managing the risks posed by contaminated land by making risk-based decisions. This risk assessment is carried out on the basis of a source-pathway-receptor approach.

2.6.1 Source

The site and surrounding area have had a residential and commercial use throughout their developed history, with the land uses of the surrounding area, predominantly thought to comprise shops and residential buildings. As such, no sources of contamination have been identified. Additionally, no off-site sources of contamination have been identified, including any historical or existing landfill sites within 1 km of the site and therefore there is not a risk to the site from migrating landfill gas.

2.6.2 Receptor

The continued use of the site for a mix of commercial and residential end use represents a relatively high sensitivity end-use and end users are therefore considered to be potential sensitive receptors. The underlying Lynch Hill Gravel Member is classified as a Secondary 'A' Aquifer and therefore is considered to be a moderately sensitive target. Ground workers and new buried services during the construction phase are likely to come into contact with any contaminants present within the soils through which they pass and new buried concrete as part of the basement construction would also be considered to be a possible receptor.

2.6.3 Pathway

Within the site, end users will be isolated from direct contact with any contaminants present within the made ground by the presence of the building. This will also prevent infiltration, thus limiting the potential for soluble contaminants within the made ground or underlying soils to migrate onto adjacent sites.

The construction period is considered to be a pathway by which site workers, new buried services and buried concrete may be exposed to any contaminants present within the soil through direct contact.

There is thus considered to be a generally limited potential for a significant contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

4 Barton, N, & Meyers, S (2016) *The Lost Rivers of London (revised and extended edition with colour maps).* Historical Publications Ltd.

2.6.4 Preliminary Risk Appraisal

On the basis of the above and the findings of the previous investigations, it is considered that following the redevelopment of this site, there will be a LOW risk of being a significant contaminant linkage, which would result in a requirement for any remediation work.

3.0 SCREENING ASSESSMENT

The London Borough of Camden guidance suggests that any development proposal that includes a subterranean basement should be screened to determine whether or not a full Basement Impact Assessment (BIA) is required

A number of screening tools are included in the Arup document and for the purposes of this report reference has been made to Appendices E1, E2 and E3 which include a series of questions within screening flowcharts for surface flow and flooding, subterranean (groundwater) flow and land stability. The flowchart questions and responses to these questions are tabulated below.

3.1. Subterranean (groundwater) Screening Assessment

Question	Response for 25 Rathbone Place
1a. Is the site located directly above an aquifer?	Yes, the site is underlain by the Lynch Hill Gravel which is a Secondary 'A' Aquifer.
1b. Will the proposed basement extend beneath the water table surface?	No. A nearby investigation indicated the groundwater will be in excess of 6 m below ground level so the basement will not extend beneath the water table.
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	No. The site is not within 100 m of a watercourse or potential spring line.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. The existing basement will only be deepened by 600 mm.
5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)?	No.
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	No. There are no local ponds or spring lines.

Q1a The site is underlain by a Secondary 'A' Aquifer

3.2 Stability Screening Assessment

Question	Response for 25 Rathbone Place
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No. See existing site section included on Page 4 of this report.
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	No. See existing and proposed cross-sections.

Question	Response for 25 Rathbone Place
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	No. Figure 16 of the Arup report confirms that the site is not located in an area of slopes greater than 7°
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	No, Figure 16 in the Arup report confirms that the site is not on a general slope greater than 7°.
5. Is the London Clay the shallowest strata at the site?	No, the Lynch Hill Gravel Member is the shallowest strata on the site.
6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained?	No. There are no trees on the site.
7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site?	No.
8. Is the site within 100 m of a watercourse or potential spring line?	No. The site is not within 100 m within a watercourse or potential spring line.
9. Is the site within an area of previously worked ground?	No.
10. Is the site within an aquifer?	*Yes*. The site is underlain by the Lynch Hill Gravel Member which is a Secondary 'A' Aquifer.
11. Is the site within 50 m of Hampstead Heath ponds?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
12. Is the site within 5 m of a highway or pedestrian right of way?	*Yes*. The site fronts onto Rathbone Place and bridges Percy Mews.
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Possibly. The adjacent buildings are understood to have basements.
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	Unlikely, a tunnel is known to be associated with the nearby Post Office, but considered to be about 100 m away.

The above assessment has identified the following potential issues that need to be assessed:

Q10 The Lynch Hill Gravel Member is a Secondary 'A' Aquifer.
Q12 The site and proposed basement are within 5 m of the road infrastructure of Rathbone Place and Percy Mews.
Q13 The founding depth of the proposed basement will possibly be at a lower depth than the neighbouring Nos 24 and 26 Rathbone Place.

3.3 Surface Flow and Flooding Screening Assessment

Question	Response for 25 Rathbone Place
1. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	No. There will not be an increase in impermeable area across the ground surface above the basement, so the surface water flow regime will be unchanged. The basement will entirely be beneath the footprint of the existing building/hardstanding, therefore the 1m distance between the roof of the basement and ground surface as recommended by the Arup report and para 3.2 of the CPG (2021) does not apply.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. There will not be an increase in impermeable area across the ground surface above the basement.

Question	Response for 25 Rathbone Place
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	No. There will not be an increase in impermeable area across the ground surface above the basement, so the surface water flow regime will be unchanged.
5. Will the proposed basement result in changes to the quality of surface water being received by adjacent properties or downstream watercourses?	No. The proposed basement is very unlikely to result in any changes to the quality of surface water being received by adjacent properties or downstream watercourses as the surface water drainage regime will be unchanged and the land uses will remain the same.
6. Is the site in an area identified to have surface water flood risk according to either the Local Flood Risk Management Strategy or the Strategic Flood Risk Assessment or is it at risk of flooding, for example because the proposed basement is below the static water level of nearby surface water feature?	The findings of this BIA together with the Camden SFRA and Environment Agency online flood maps show that the site has a very low to low flooding risk from surface water. There will be a low flood risk from sewers, groundwater and reservoirs (and other artificial sources), and fluvial/tidal watercourses including culverted watercourses. *In accordance with paragraph 6.13 of the CPG, a positive pumped device will be installed in the basement in order to further protect the site from sewer flooding.*

The above assessment has not identified any potential issues regarding the hydrological setting of the site.

4.0 SCOPING ASSESSMENT

The purpose of scoping is to assess in more detail the factors to be investigated in the impact assessment. Potential impacts are assessed for each of the identified potential impact factors.

4.1 Potential Impacts

The following potential impacts have been identified by the BIA screening process.

Potential Impact	Consequence
The site is within 5 m of a highway or pedestrian right of way	Should the design of retaining walls and foundations not take into account the presence of nearby infrastructure, it may lead to the structural damage of footway, highway and associated buried services.
The site is located directly above and aquifer	The site is underlain by the Lynch Hill Gravel Member, which is classified as a Secondary 'A' Aquifer. This has the potential of being able to support local water supplies as well as forming an important source of base flow for local rivers. There is the potential for the hydrogeological setting to be affected by a basement development. However, nearby investigations have indicated groundwater to be over 6 m below ground level and therefore the proposed basement is unlikely to intercept the groundwater table.
The proposed basement may significantly increase the differential depth of the neighbouring properties foundations.	If not designed and constructed appropriately, the deepening of the existing basement may result in structural damage to neighbouring buildings and structures.

These potential impacts have been assessed further below in Section 5.0 on the basis of the geological and hydrogeological setting of the site.

4.2 Exploratory Work

The site is entirely covered by the existing building which includes a basement beneath the whole footprint. The site continues to be used as a public house and the basement is in full use for storage by the pub with the headroom limited to less than 2.0 m. In order to meet the objectives described in Section 1.2, within the access limitations which prevented the use of drilling tools, two trial pits were hand excavated in order to determine the configuration of the existing foundations, and to investigate the shallow ground conditions. Both trial pits were located alongside the party walls, within the front vaults.

A selection of the disturbed samples recovered from the trial pits was submitted to a soil mechanics laboratory for a programme of geotechnical testing and an analytical laboratory for a programme of contamination testing.

All of the work was carried out under the supervision of a geotechnical engineer from GEA. The trial pit records are appended, together with the results of the laboratory testing and a site plan indicating the trial pit locations.

4.2.1 Sampling Strategy

The scope of the works, including the positions of the trial pits was agreed with the consulting engineers, Fresson and Tee, during a site meeting.

Three samples of the made ground were subjected to analysis for a range of common industrial contaminants and contamination indicative parameters. For this investigation, the analytical suite for the soil included a range of metals, speciation of total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAH), total cyanide and monohydric phenols. The same three samples of made ground were also screened for the presence of asbestos.

The soil samples were selected to provide a general view of the chemical conditions of the soils that are likely to be involved in a human exposure or groundwater pathway and to provide advice in respect of re-use or for waste disposal classification. The contamination analyses were carried out at an MCERTs accredited laboratory with the majority of the testing suite accredited to MCERTS standards. Details of the MCERTs accreditation and test methods are included in the Appendix together with the analytical results.

A single sample recovered from one of the trial pits was also submitted to a geotechnical laboratory for moisture content and Atterberg limit tests.

5.0 GROUND CONDITIONS

The investigation has encountered the expected ground conditions, in that below a moderate thickness of made ground, the Lynch Hill Gravel Member was encountered and proved to the maximum depth investigated, of 1.40 m.

5.1 Made Ground

Beneath the 0.15 m thick concrete slab, made ground generally comprising brown gravelly to very gravelly sandy clay was recorded to depths of 1.15 m and 0.80 m in Trial Pit Nos 1 and 2 respectively. The gravel generally comprised fine to coarse flint, brick, and concrete / mortar with occasional to rare slate, glass, chalk charcoal and oyster shells. In Trial Pit No 2 only, this was underlain by brown and orange / brown silty clay with occasional fine to medium brick and charcoal gravel, which was encountered to the base of the trial pit at a depth of 1.15 m.

Apart from the presence of fragments of extraneous material noted above, no other visual or olfactory evidence of contamination was observed during the fieldwork. Three samples of the made ground have however been analysed for a range of contaminants as a precautionary measure and the results are detailed within Section 5.4.

5.2 Lynch Hill Gravel Member

Firm brown silty clay with occasional fine flint gravel and fine crystals, which has been interpreted as forming part of the Lynch Hill Gravel Member, was encountered from beneath the made ground in Trial Pit No 1 only, to the maximum depth of the investigation of 1.40 m.

The results of a single plasticity index test carried out on a sample of the Lynch Hill Gravel recovered from Trial Pit No 1 at a depth of 1.25 m indicate it to be of intermediate plasticity, and medium volume change potential.

5.3 Groundwater

Groundwater was not encountered during the investigation.

5.4 Soil Contamination

The table below sets out the values measured within the three samples analysed; all concentrations are in mg/kg unless otherwise stated.

Determinant	TP1 0.50 m	TP2 0.40 m	TP2 1.10 m
pH	8.6	8.4	8.2
Arsenic	14	14	16
Cadmium	< 0.2	< 0.2	< 0.2
Chromium	18	23	39
Lead	150	160	72
Mercury	0.8	0.8	< 0.3
Selenium	< 1.0	< 1.0	< 1.0
Copper	110	44	65
Nickel	20	20	32
Zinc	60	78	89
Total Cyanide	< 1.0	< 1.0	< 1.0
Total Phenols	< 1.0	< 1.0	< 1.0
Total PAH	< 0.80	1.47	0.89
Sulphide	4	7.7	7.1
Benzo(b)fluoranthene	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	< 0.05	< 0.05	< 0.05
Naphthalene	< 0.05	< 0.05	< 0.05

Determinant	TP1 0.50 m	TP2 0.40 m	TP2 1.10 m
TPH	< 10	< 10	< 10
Total Organic Carbon %	1.1	0.9	0.8

Note: Figure in **bold** indicates concentration in excess of risk-based soil guideline values, as discussed in Part 2 of this report

In addition, these three samples were screened for the presence of asbestos, and none was detected.

5.4.1 Generic Quantitative Risk Assessment

The use of a risk-based approach has been adopted to provide an initial screening of the test results to assess the need for subsequent site-specific risk assessments. Contaminants of concern are those that have values in excess of generic human health risk-based guideline values, which are either the CLEA[5] Soil Guideline Values where available, the Suitable 4 Use Values[6] (S4UL) produced by LQM/CIEH calculated using the CLEA UK Version 1.07[7] software, or the DEFRA Category 4 Screening values[8], assuming a residential end use without plant uptake. The key generic assumptions for this end use are as follows:

- that groundwater will not be a critical risk receptor;
- that the critical receptor for human health will be young female children aged up to six years old;
- that the exposure duration will be six years;
- that the critical exposure pathways will be indoor dust ingestion, skin contact with indoor dust, and inhalation of indoor and outdoor dust and vapours; and
- that the building type equates to a two-storey small terraced house.

It is considered that these assumptions are acceptable for this generic assessment of this site. The tables of generic screening values derived by GEA and an explanation of how each value has been derived are included in the Appendix.

Where contaminant concentrations are measured at concentrations below the generic screening value it is considered that they pose an acceptable level of risk and thus further consideration of these contaminant concentrations is not required. However, where concentrations are measured in excess of these generic screening values there is considered to be a potential that they could pose an unacceptable risk and thus further action will be required which could include;

- additional testing to zone the extent of the contaminated material and thus reduce the uncertainty with regard to its potential risk;

5 *Updated Technical Background to the CLEA Model (Science Report SC050021/SR3) Jan 2009* and Soil Guideline Value reports for specific contaminants; all DEFRA and Environment Agency.
6 *The LQM/CIEH S4Uls for Human Health Risk Assessment* S4UL3065 November 2014
7 Contaminated Land Exposure Assessment (CL|EA) Software Version 1.071 Environment Agency 2015
8 CL:AIRE (2013) *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination* Final Project Report SP1010 and DEFRA (2014) *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination* Policy Companion Document SP1010

- site specific risk assessment to refine the assessment criteria and allow an assessment to be made as to whether the concentration present would pose an unacceptable risk at this site; or
- soil remediation or risk management to mitigate the risk posed by the contaminant to a degree that it poses an acceptable risk.

The contamination testing did not reveal elevated concentrations of any of the contaminants tested with respect to the assumed screening values, and none of the samples were found to contain asbestos.

This assessment is based upon the potential for risk to human health, which at this site is considered to be the critical risk receptor. The results are discussed in detail in Section 2 of this report.

5.5 Existing Foundations

The findings of the trial pits are summarised in the table below. Sketches and photographs of each pit are included in the Appendix.

Trial Pit No	Structure	Foundation detail	Bearing Stratum
1	No.24 Rathbone Place	Brickwork with no corbels Top: N/A Base: 1.35 m Lateral projection: None	Firm brown silty CLAY with occasional fine flint gravel and fine crystals
2	No.26 Rathbone Place	Brick with single corbel / projection Top: 0.80 m Base: 0.95 m Lateral projection 40 mm	MADE GROUND (Brown and orange brown silty clay with occasional fine to medium brick and charcoal gravel)

A manhole cover within the front vault was also lifted in order to measure the depth of the drain at this location, and the findings are presented with the trial pit logs in the appendix.

Part 2: DESIGN BASIS REPORT

This section of the report provides an interpretation of the findings detailed in Part 1, and then provides advice and recommendations with respect to foundation options and methods of constructing the proposed basement. This report does not comprise a design document and the advice should be reviewed as the scheme progresses through the design process.

6.0 INTRODUCTION

It is understood that it is proposed to lower the existing basement by 600 mm to provide additional headroom. The scheme also seeks to redevelop the upper floors into residential flats.

7.0 GROUND MODEL

The desk study has indicated that the site has not had a significantly contaminative history. On the basis of the intrusive investigation, the ground conditions at this site can be characterised as follows:

- below a moderate thickness of made ground, the Lynch Hill Gravel Member is present and extends to at least 1.40 m;
- made ground is present to a maximum depth of 1.15 m where proved, and comprises brown gravelly to very gravelly sandy clay and orange / brown silty clay with occasional gravel;
- the Lynch Hill Gravel generally comprises firm brown silty clay with occasional fine flint gravel and fine crystals;
- groundwater was not encountered during the investigation; and
- the contamination testing did not reveal elevated concentrations of any of the contaminants tested and none of the samples were found to contain asbestos.

8.0 ADVICE AND RECOMMENDATIONS

8.1 Basement Construction

It is understood that it is proposed to lower the existing basement by 600 mm to provide additional headroom. Based on the findings of the two trial pits excavated within the front vaults, which revealed that the party walls with Nos 24 and 26 Rathbone Place are founded at depths of 1.40 m and 0.95 m respectively, it is considered likely that it will feasible to lower the floor level without the need for underpinning. It is recommended that additional trial pits are excavated alongside the perimeter walls prior to construction to confirm this view.

On the basis of the fieldwork, groundwater is unlikely to be encountered within the excavation, although inflows of perched water from within the made ground should be anticipated.

Any new spread foundations, including underpinned foundations should they be required, should bypass the made ground, and bear on the underlying firm silty clay of the Lynch Hill Gravel.

It is assumed that as part of the proposed works, the loads on the party walls will not be significantly increased. Due to the presence of made ground beneath the foundations to the party wall with 26 Rathbone Place, it is recommended that this wall is underpinned if the loads are to be increased, to avoid potentially excessive and / or differential settlement movements.

8.2 Basement Floor Slab

On the basis that the existing ground bearing floor slab is applying a similar pressure to that proposed, a new ground bearing floor slab should be appropriate, placed on the made ground following proof rolling of the formation.

8.3 Contamination Risk Assessment

The desk study findings indicate that the site does not have a potentially contaminative history and the results of the chemical analyses have not indicated any elevated concentrations of the contaminants tested with respect to the assumed screening values. In addition, none of the samples were found to contain asbestos. As a result, no risk is envisaged to groundwater, adjacent sites, end users, site workers or buried services and no remediation works are considered to be required.

A watching brief should be maintained during the site works and if any suspicious soil is encountered, it should be inspected by a suitably qualified engineer and further testing carried out if required.

8.4 Waste Disposal

Under the European Waste Directive, waste is classified as being either Hazardous or Non-Hazardous and landfills receiving waste are classified as accepting hazardous or non-hazardous wastes or the non-hazardous sub-category of inert waste in accordance with the Waste Directive. Waste classification is a staged process and this investigation represents the preliminary sampling exercise of that process. Once the extent and location of the waste that is to be removed has been defined, further sampling and testing may be necessary. The results from this ground investigation should be used to help define the sampling plan for such further testing, which could include WAC leaching tests where the totals analysis indicates the soil to be a hazardous waste or inert waste from a contaminated site. It should however be noted that

the Environment Agency guidance WM3[9] states that landfill WAC analysis, specifically leaching test results, must not be used for waste classification purposes.

Any spoil arising from excavations or landscaping works, which is not to be re-used in accordance with the CL:AIRE[10] guidance, will need to be disposed of to a licensed tip. Waste going to landfill is subject to landfill tax at either the standard rate of £98.60 per tonne (about £185 per m^3) or at the lower rate of £3.15 per tonne (roughly £5.85 per m^3). However, the classifications for tax purposes and disposal purposes differ and currently all made ground and topsoil is taxable at the 'standard' rate and only naturally occurring soil and stones, which are accurately described as such in terms of the 2011 Order, would qualify for the 'lower rate' of landfill tax.

Based upon on the technical guidance provided by the EA it is considered likely that the soils encountered during this ground investigation, as represented by the chemical analyses carried out, would be generally classified as follows.

Soil Type	Waste Classification (Waste Code)	WAC Testing Required Prior to Landfill Disposal?	Current applicable rate of Landfill Tax
Made ground	Non-hazardous (17 05 04)	No	£98.60 / tonne (Standard rate)
Lynch Hill Gravel	Should be Inert Non-Hazardous (17 05 04)	Should not be required but confirm with receiving landfill	£3.15 / tonne (Reduced rate for uncontaminated naturally occurring rocks and soils)

Under the requirements of the European Waste Directive all waste needs to be pre-treated prior to disposal. The pre-treatment process must be physical, thermal, chemical or biological, including sorting. It must change the characteristics of the waste in order to reduce its volume, hazardous nature, facilitate handling or enhance recovery. The waste producer can carry out the treatment, but they will need to provide documentation to prove that this has been carried out. Alternatively, the treatment can be carried out by an approved contractor. The Environment Agency has issued a position paper[11] which states that in certain circumstances, segregation at source may be considered as pre-treatment and thus excavated material may not have to be treated prior to landfilling if the soils can be segregated onsite prior to excavation by sufficiently characterising the soils insitu prior to excavation.

The above opinion with regard to the classification of the excavated soils is provided for guidance only and should be confirmed by the receiving landfill once the soils to be discarded have been identified.

The local waste regulation department of the Environment Agency (EA) should be contacted to obtain details of tips that are licensed to accept the soil represented by the test results. The tips will be able to provide costs for disposing of this material but may require further testing.

9 Environment Agency 2015. *Guidance on the classification and assessment of waste.* Technical Guidance WM3 First Edition
10 CL:AIRE March 2011. *The Definition of Waste: Development Industry Code of Practice* Version 2
11 Environment Agency 23 Oct 2007 Regulatory *Position Statement Treating non-hazardous waste for landfill - Enforcing the new requirement.*

Part 3: BASEMENT IMPACT ASSESSMENT

This section of the report evaluates the direct and indirect implications of the proposed project, based on the findings of the previous screening and scoping, and site investigation.

9.0 INTRODUCTION

The screening identified a number of potential impacts. The desk study and ground investigation information has been used below to review the potential impacts, to assess the likelihood of them occurring and the scope for reasonable engineering mitigation.

9.1 Potential impacts

The table below summarises the previously identified potential impacts and the additional information that is now available from the ground investigation in consideration of each impact.

Potential Impact	Site Investigation Conclusions
The site is within 5 m of a highway or pedestrian right of way	Should the design of retaining walls and foundations not take into account the presence of nearby infrastructure, it may lead to the structural damage of footway, highway and associated buried services.
The site is located directly above and aquifer	The site is underlain by the Lynch Hill Gravel Member, which is classified as a Secondary 'A' Aquifer. This has the potential of being able to support local water supplies as well as forming an important source of base flow for local rivers. There is the potential for the hydrogeological setting to be affected by a basement development. However, nearby investigations have indicated groundwater to be over 6 m below ground level and groundwater was not encountered during the site investigation, therefore the proposed basement is unlikely to intercept the groundwater table.
The proposed basement may significantly increase the differential depth of the neighbouring properties foundations.	If not designed and constructed appropriately, the deepening of the existing basement may result in structural damage to neighbouring buildings and structures.

The results of the site investigation have therefore been used below to review the remaining potential impacts, to assess the likelihood of them occurring and the scope for reasonable engineering mitigation.

The site is located within 5 m of a public highway

Whilst the proposed basement will be excavated within 5.0 m of the footway and highway Rathbone Place, there is nothing unusual about the proposed works to deepen the existing basement such that it would fall outside the scope of standard engineering practice and design. Provided that the design of the retaining walls takes into account any loading from the adjacent highway and the construction work is carried out in accordance with best practice, resulting ground movements should be within normal tolerable limits. The investigation has indicated that the existing foundations extend below the proposed basement depth and as such there will be no change to the existing support to the footway and highway.

The site is underlain by a Secondary 'A' Aquifer

A nearby investigation has indicated that the groundwater table should be at a depth in excess of 6 m below the level of the site and groundwater was not encountered during the site investigation. On the basis of the depth of the proposed basement below the level of the site the basement will not intercept the groundwater table, such that it will not have any impact on the hydrogeological setting.

It is conceivable that perched groundwater inflows from within the made ground may be encountered during the excavation and construction of the basement; however, any such inflows would be suitably dealt with using conventional construction practice, usually through the use of sump pumping.

The founding depth of the proposed basement will possibly be at a lower depth than the neighbouring Nos 24 and 26 Rathbone Place

The adjoining buildings on Rathbone Place both have pavement lights, indicating the presence of basements, and based on the findings of the two trial pits excavated within the front vaults, the party walls with Nos 24 and 26 Rathbone Place are founded at depths of 1.40 m and 0.95 m below the existing basement floor level at No 25 respectively. It is therefore considered unlikely that the proposed deepening of the existing basement of the pub will extend the foundations to a greater depth than the foundations of the neighbouring properties. The method of construction will need to be designed to ensure the stability of the site and any potentially sensitive structures that are in close proximity to the site.

Appropriate propping and temporary works installed during basement construction will limit the effect of ground movements on the surrounding properties.

9.2 BIA Conclusions

A Basement Impact Assessment has been carried out following the information and guidance published by the London Borough of Camden.

It is proposed to lower the basement by 600 mm to provide additional headroom to enable the relocation of the trading floorspace of the pub from the first floor into the basement. From the desk study research and the information acquired, it is considered that groundwater will be present at a depth in excess of 3 m below the basement and as such the proposed basement will not have an impact on the hydrogeological setting. The development will not increase the proportion of hardstanding across the site and so there will not be an increase in surface run-off and any surface waters will not be re-directed from the current drainage routes, which is likely to be to combined sewers in the road. No land stability issues have been identified that cannot be accommodated by standard design practices and in view of the limited depth of excavation within gravel soils any ground movements are expected to be small.

It is concluded that the proposed development is unlikely to result in any specific land or slope stability issues, surface water or groundwater issues, in accordance with the London Borough of Camden Planning Guidance (CPG).

9.3 Non-Technical Summary of Evidence

This section provides a short summary of the evidence acquired and used to form the conclusions made within the BIA.

9.3.1 Screening

The following table provides the evidence used to answer the subterranean groundwater screening questions.

Question	Evidence
1a. Is the site located directly above an aquifer?	Aquifer designation maps acquired from the Environment Agency as part of the desk study and Figures 3, 5 and 8 of the Arup report.
1b. Will the proposed basement extend beneath the water table surface?	Nearby BGS borehole records and previous GEA ground investigation.
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	Figures 11 and 12 of the Arup report.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	Figures 12 and 14 of the Arup report.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	Proposal drawings provided by the consulting engineers.
5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)?	The proposals provided by the consulting engineers.
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	The proposals provided by the consulting engineers and map evidence.

The following table provides the evidence used to answer the surface water flow and flooding screening questions.

Question	Evidence
1. Is the site within the catchment of the pond chains on Hampstead Heath?	Figures 12 and 14 of the Arup report.
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	Online images and a review of the proposal drawings.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	
5. Will the proposed basement result in changes to the quantity of surface water being received by adjacent properties or downstream watercourses?	
6. Is the site in an area identified to have surface water flood risk according to either the Local Flood Risk Management Strategy or the Strategic Flood Risk Assessment or is it at risk of flooding, for example because the proposed basement is below the static water level of nearby surface water feature?	Flood risk maps acquired from the Environment Agency as part of the desk study, Figure 15 of the Arup report, the Camden Flood Risk Management Strategy dated 2013 together with Figures 3iv, 4e, 5a and 5b of the Strategic Flood Risk Assessment dated 2014.

The following table provides the evidence used to answer the slope stability screening questions.

Question	Evidence
1. Does the existing site include slopes, natural or manmade, greater than 7°?	Figures 16 and 17 of the Arup report and confirmed during a site walkover.
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	The details of the proposed development provided do not include the re-profiling of the site to create new slopes.
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	Figures 16 and 17 of the Arup report and confirmed during a site walkover.
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	
5. Is the London Clay the shallowest strata at the site?	Geological maps and Figures 3, 5 and 8 of the Arup report.
6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained?	The proposals provided by the consulting engineers.
7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site?	Knowledge on the ground conditions of the area were used to make an assessment of this.
8. Is the site within 100 m of a watercourse or potential spring line?	Figures 11 and 12 of the Arup report.
9. Is the site within an area of previously worked ground?	Geological maps and Figures 3, 5 and 8 of the Arup report.
10. Is the site within an aquifer?	Aquifer designation maps acquired from the Environment Agency as part of the desk study and Figures 3, 5 and 8 of the Arup report.
11. Is the site within 50 m of Hampstead Heath ponds?	Figures 12 and 14 of the Arup report.
12. Is the site within 5 m of a highway or pedestrian right of way?	Aerial photography, OS maps and plans.
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Records held on the Camden Planning Portal and online images.
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	Maps and plans of infrastructure tunnels were reviewed, in addition to online infrastructure maps, showing exclusion zones, made available by Transport for London.

9.3.2 Scoping and Site Investigation

The questions in the screening stage that there were answered ‘yes’, were taken forward to a scoping stage and the potential impacts discussed in Section 4.0 of this report, with reference to the possible impacts outlined in the Arup report.

A limited ground investigation has been carried out, which has allowed an assessment of the potential impacts of the basement development on the various receptors identified from the screening and scoping stages. Principally the investigation aimed to establish the ground conditions, including the groundwater level and the engineering properties of the underlying soils to enable suitable design of the basement development.

The findings of the investigation are discussed in Part 2 of this report and summarised in the Executive Summary.

9.3.3 Impact Assessment

Section 9.0 of this report concludes that, on the basis of the findings of the investigation, the proposed development is unlikely to result in any specific land or slope stability issues, surface water or groundwater issues, in accordance with the London Borough of Camden Planning Guidance (CPG).

10.0 OUTSTANDING RISKS AND ISSUES

This section of the report aims to highlight areas where further work is required as a result of limitations on the scope of this investigation, or where issues have been identified by this investigation that warrant further consideration. The scope of risks and issues discussed in this section is by no means exhaustive, but covers the main areas where additional work may be required.

The ground is a heterogeneous natural material and variations will inevitably arise between the locations at which it is investigated. This report provides an assessment of the ground conditions based on the discrete points at which the ground was sampled, but the ground conditions should be subject to review as the work proceeds to ensure that any variations from the Ground Model are properly assessed by a suitably qualified person.

It is recommended that additional trial pits are excavated alongside the perimeter walls prior to construction to confirm the depths of the existing foundations.

APPENDIX

Site Plan

Trial Pit Records

Geotechnical Test Results

Contamination Test Results

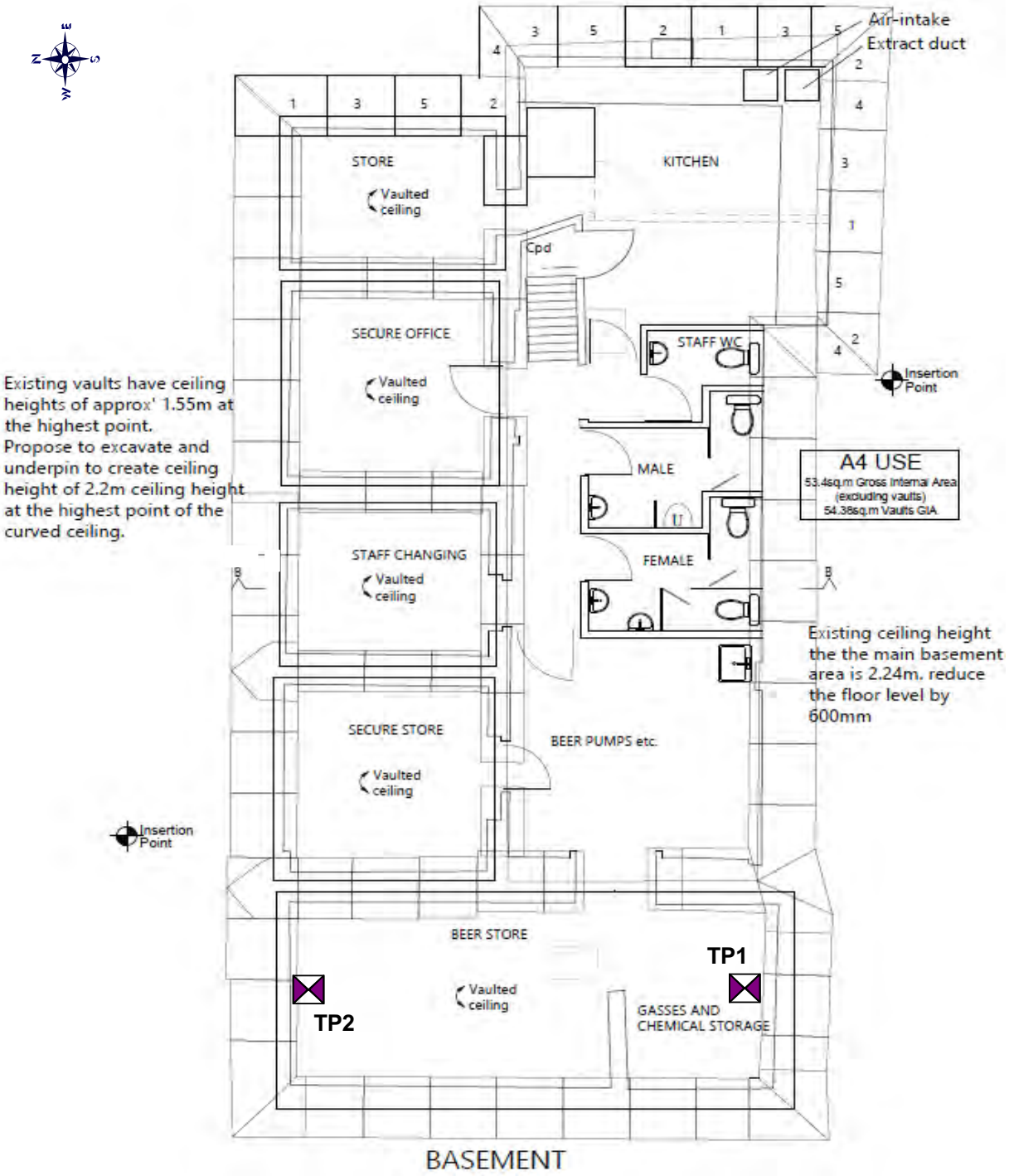
Envirocheck Extracts

Historical Maps

Generic Risk-based Screening Values

GEA	Geotechnical & Environmental Associates www.gea-ltd.co.uk	**Proposed investigation plan**

Site	Wheatsheaf PH, 25 Rathbone Place, London W1T 1JB	**Job Number**	J22235
Client	Shaftesbury CL Ltd	**Sheet**	1 / 1
Engineer	Fresson and Tee		



GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

Trial Pit No 1

Site Wheatsheaf PH, 25 Rathbone Place, London W1T 1JB

Client Shaftesbury CL Ltd

Engineer Fresson and Tee

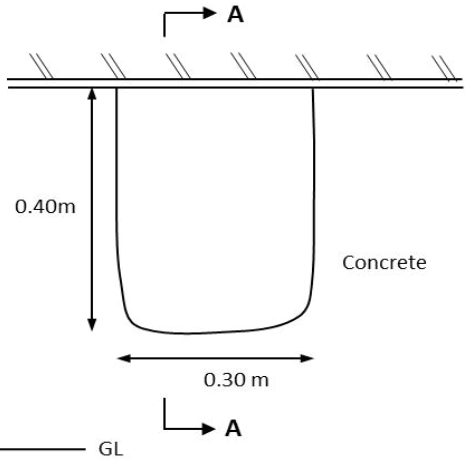
Job Number J22235

Sheet 1/3

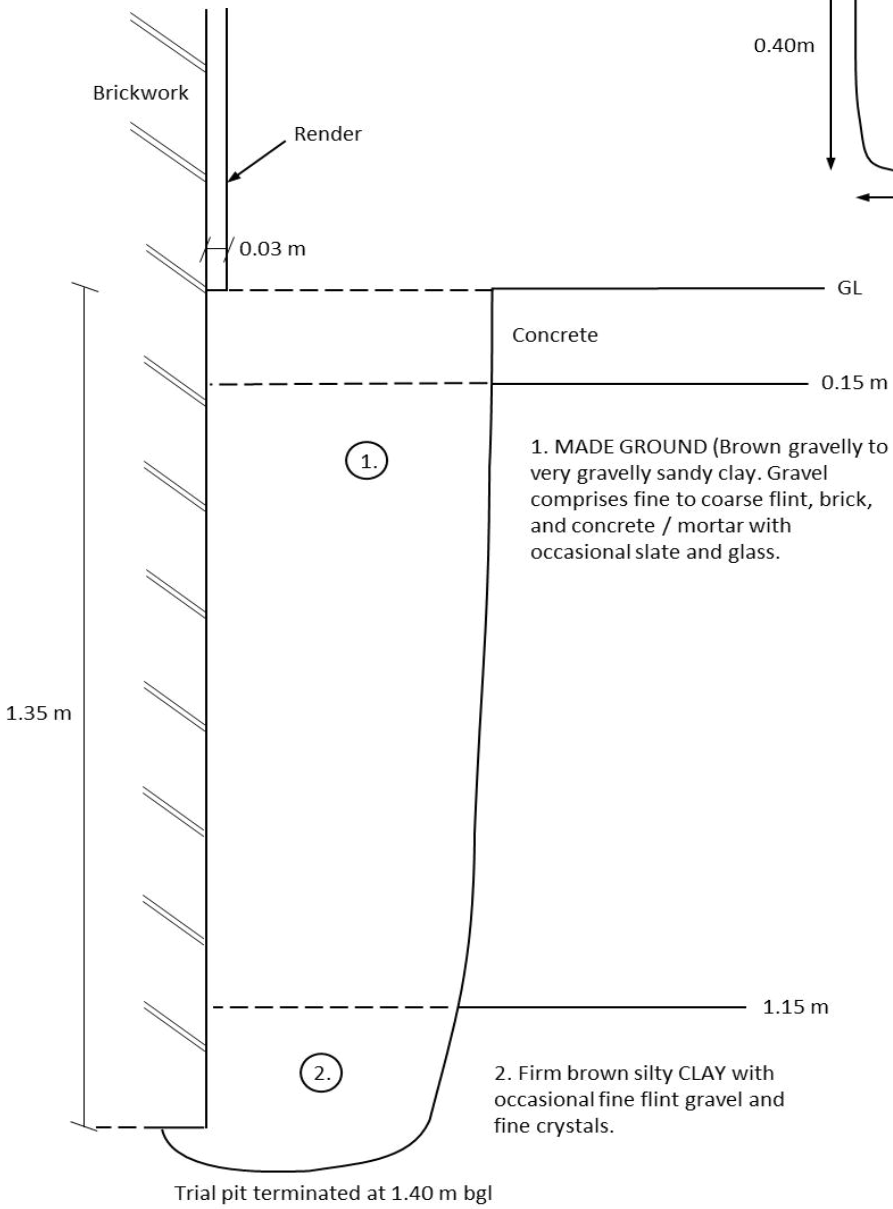
Dates 28/07/2022

Excavation Method	Dimensions (m)	Ground Level (m OD)	Location
Hand dug	See plan		Party wall with 24 Rathbone Place

Plan:



TP1: Section A-A



Remarks:

All dimensions in metres

No groundwater encountered

Disturbed sample @ 1.25. Environmental sample @ 0.50 m

Scale: NTS

Logged by: AG

GEA	www.gea-ltd.co.uk Herts | 01727 824666 Notts | 01509 674888	**Trial Pit No** 2

Site Wheatsheaf PH, 25 Rathbone Place, London W1T 1JB

Client Shaftesbury CL Ltd

Engineer Fresson and Tee

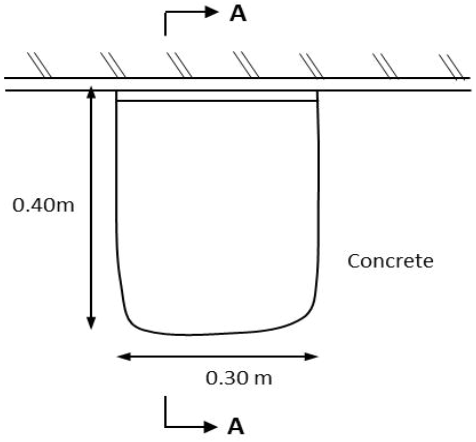
Job Number J22235

Sheet 2/3

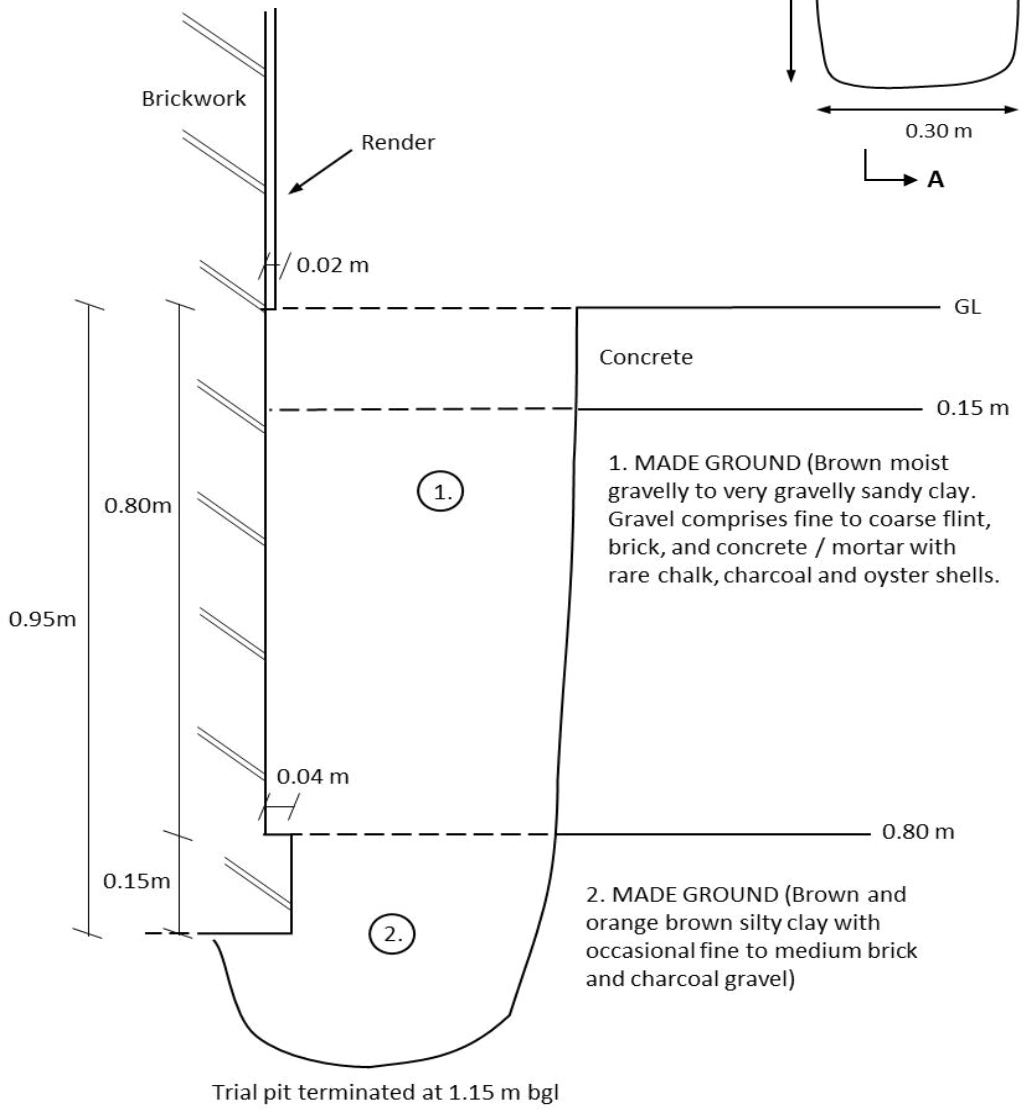
Dates 28/07/2022

Excavation Method	Dimensions (m)	Ground Level (m OD)	Location
Hand dug	See plan		Party wall with 26 Rathbone Place

Plan:



TP2: Section A-A



Remarks:

All dimensions in metres

No groundwater encountered

Environmental sample @ 0.40 m and 1.10 m

Scale: NTS

Logged by: AG

GEA

www.gea-ltd.co.uk

Herts | 01727 824666 Notts | 01509 674888

Drain Inspection

Site Wheatsheaf PH, 25 Rathbone Place, London W1T 1JB

Client Shaftesbury CL Ltd

Engineer Fresson and Tee

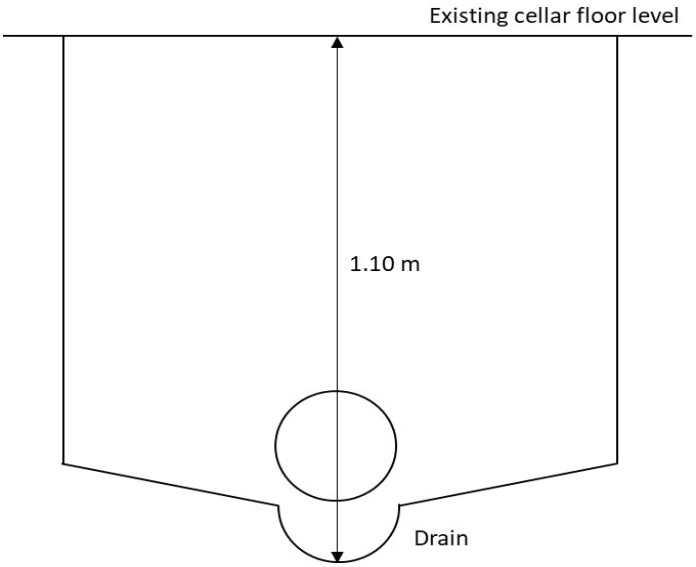
Job Number J22235

Sheet 3/3

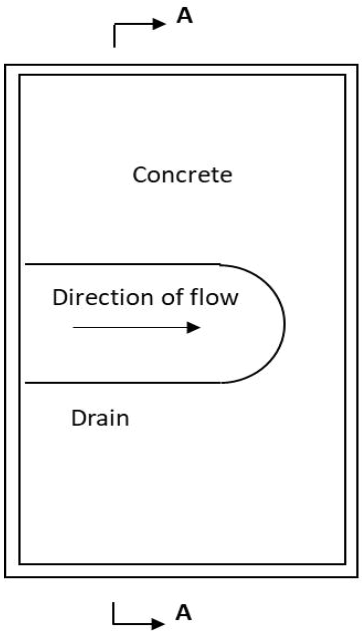
Dates 28/07/2022

Excavation Method	Dimensions (m)	Ground Level (m OD)	Location
Hand dug	See plan		Front vault

Section through drain:



Plan:



Remarks:

All dimensions in metres

Scale: NTS

Logged by: AG

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L	W/S Mg mg/L	
TP1	1.25		D	Brown slightly sandy CLAY with rare gravel.	19.9	44	19	25	98										

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by

J Sturges - Operations Manager
31/08/2022

Project Number:

GEO / 36204

Project Name:

WHEATSHEAF, CAMDEN
J22235

GEOLABS®

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Analytical Report Number : 22-75573

Project / Site name:	Wheatsheaf	**Samples received on:**	29/07/2022
Your job number:	J22235	**Samples instructed on/ Analysis started on:**	04/08/2022
Your order number:		**Analysis completed by:**	11/08/2022
Report Issue Number:	1	**Report issued on:**	11/08/2022
Samples Analysed:	3 soil samples		

Signed: [redacted]

Joanna Wawrzeczko
Reporting Specialist
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

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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: 22-75573
Project / Site name: Wheatsheaf

Lab Sample Number				2374955	2374956	2374957
Sample Reference				TP1	TP2	TP2
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.40	1.10
Date Sampled				28/07/2022	28/07/2022	28/07/2022
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	17	16
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	ASE	ASE	ASE
General Inorganics						
pH - Automated	pH Units	N/A	MCERTS	8.6	8.4	8.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	mg/kg	50	MCERTS	990	680	340
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.086	0.067	0.068
Sulphide	mg/kg	1	MCERTS	4	7.7	7.1
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	28	60	37
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.1	0.9	0.8
Total Phenols						
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Speciated PAHs						
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.46	0.27
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.56	0.32
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.45	0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Total PAH						
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	1.47	0.89
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	14	16
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	23	39
Copper (aqua regia extractable)	mg/kg	1	MCERTS	110	44	65
Lead (aqua regia extractable)	mg/kg	1	MCERTS	150	160	72
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.8	0.8	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	20	32
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	60	78	89

Analytical Report Number: 22-75573
Project / Site name: Wheatsheaf

Lab Sample Number				2374955	2374956	2374957
Sample Reference				TP1	TP2	TP2
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.40	1.10
Date Sampled				28/07/2022	28/07/2022	28/07/2022
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Petroleum Hydrocarbons						
TPH C10 - C40 EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH (C8 - C10) HS_1D_TOTAL	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1
TPH (C10 - C12) EH_CU_1D_TOTAL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH (C12 - C16) EH_CU_1D_TOTAL	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0
TPH (C16 - C21) EH_CU_1D_TOTAL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH (C21 - C35) EH_CU_1D_TOTAL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH Total C8 - C35 EH_CU+HS_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-75573
Project / Site name: Wheatsheaf

* 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 *
2374955	TP1	None Supplied	0.5	Brown clay and sand with gravel.
2374956	TP2	None Supplied	0.4	Brown clay and sand with gravel.
2374957	TP2	None Supplied	1.1	Brown clay with gravel.

Analytical Report Number : 22-75573
Project / Site name: Wheatsheaf

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
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	A001-PL	D	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	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
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
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.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	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.	In house method.	L009-PL	D	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	MCERTS
TPH Banding in Soil by FID	Determination of hexane extractable hydrocarbons in soil by GC-FID.	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	MCERTS
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
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

Analytical Report Number : 22-75573
Project / Site name: Wheatsheaf

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

GEA
Widbury Barn
Widbury Hill
Ware
SG12 7QE

Generic Risk-Based Soil Screening Values

Site	Wheatsheaf PH, 25 Rathbone Place, London W1T 1JB	**Job Number** J22235
Client	Shaftesbury CL Ltd	**Sheet** 1 / 1
Engineer	Fresson and Tee	

Proposed End Use Residential without plant uptake

Soil Organic Matter content % 1.0

Contaminant	Screening Value mg/kg	Data Source
Metals		
Arsenic	40	C4SL
Cadmium	22	C4SL
Chromium (III)	910	S4UL
Chromium (VI)	21	C4SL
Copper	7,100	S4UL
Lead	310	C4SL
Elemental Mercury	1.2	S4UL
Inorganic Mercury	56	S4UL
Nickel	180	S4UL
Selenium	595	SGV
Zinc	40,000	S4UL
Anions		
Soluble Sulphate	500 mg/l	Structures
Sulphide	50	Structures
Chloride	400	Structures
Others		
Organic Carbon (%)	6	Methanogenic potential
Total Cyanide	140	WRAS
Total Mono Phenols	310	SGV
PAH		
Naphthalene	2.33	S4UL
Acenaphthylene	2,900	S4UL
Acenaphthene	3,000	S4UL
Fluorene	2,800	S4UL
Phenanthrene	1,300	S4UL
Anthracene	31,000	S4UL
Fluoranthene	1,500	S4UL
Pyrene	3,700	S4UL
Benzo(a)anthracene	11.0	S4UL
Chrysene	30	S4UL
Benzo(b)fluoranthene	3.9	S4UL
Benzo(k)fluoranthene	110.0	S4UL
Benzo(a)pyrene	4.65	C4SL
Indeno(1 2 3 cd)pyrene	45.0	S4UL
Dibenz(a h)anthracene	0.32	S4UL
Benzo (g h i)perylene	360	S4UL
Total PAH Screen	**66.4**	B(a)P / 0.15

Contaminant	Screening Value mg/kg	Data Source
Hydrocarbons		
Banded TPH (8-10)	72	Calc1
Banded TPH (10-12)	385	Calc1
Banded TPH (12-16)	2769	Calc1
Banded TPH (16-21)	2923	Calc1
Banded TPH (21-35)	2923	Calc1
Benzene	0.89	C4SL
Toluene	120	SGV
Ethyl Benzene	65	SGV
Xylene	42	SGV
Aliphatic C5-C6	42	S4UL
Aliphatic C6-C8	100	S4UL
Aliphatic C8-C10	27	S4UL
Aliphatic C10-C12	130	S4UL
Aliphatic C12-C16	1100	S4UL
Aliphatic C16-C35	65,000	S4UL
Aromatic C6-C7	See Benzene	S4UL
Aromatic C7-C8	See Toluene	S4UL
Aromatic C8-C10	47	S4UL
Aromatic C10-C12	250	S4UL
Aromatic C12-C16	1800	S4UL
Aromatic C16-C21	1900	S4UL
Aromatic C21-C35	1900	S4UL
PRO (C_5 –C_{10})	337	Calc2
DRO (C_{12} –C_{28})	69,800	Calc2
Lube Oil (C_{28} –C_{44})	66,900	Calc2
TPH	**750**	Trigger to consider speciated testing
Chlorinated Solvents		
1,1,1 trichloroethane (TCA)	9	S4UL
tetrachloroethane (PCA)	1.5	S4UL
tetrachloroethene (PCE)	0.18	S4UL
trichloroethene (TCE)	0.017	S4UL
1,2-dichloroethane (DCA)	0.0092	S4UL
vinyl chloride (Chloroethene)	0.00077	S4UL
tetrachloromethane (Carbon tetra	0.026	S4UL
trichloromethane (Chloroform)	1.2	S4UL

Notes: Concentrations measured below these screening values may be considered to represent 'uncontaminated conditions' which pose a 'LOW' risk to human health. Concentrations measured in excess of these values indicate a potential risk which require further, site specific risk assessment.

C4SL - Defra Category 4 Screening value based on Low Level of Toxicological Risk

SGV - Soil Guideline Value, derived from the CLEA model and published by Environment Agency 2009 - where not superseded by C4SL

S4UL - LQM/CIEH Suitable for use Level (2015) based on 'minimal' level of risk

Calc1 - sum of thresholds for Ali & Aro fractions - assuming a 35% Aro:65% Ali ratio as is commonly encountered in the soil

Calc2 - sum of nearest available carbon range specified including BTEX for PRO fraction

Total PAH based on B(a)P / 0.15 - GEA experience indicates that Benzo(a) pyrene rarely exceeds 15% of the total PAH concentration

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
55016580_1_1

Customer Reference:
J14098

National Grid Reference:
529600, 181470

Slice:
A

Site Area (Ha):
0.05

Search Buffer (m):
1000

Site Details:

15-18 Rathbone Place
LONDON
W1T 1HX

Client Details:

Mr S Branch
GEA Ltd
Tyttenhanger House
Coursers Road
St Albans
Herts
AL4 0PG

Prepared For:

Royal London Property Fund

Geotechnical & Environmental Associates

Contents

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Natural England Copyright Notice

Ove Arup Copyright Notice

Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	2
Enforcement and Prohibition Notices	pg 1				1
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2			3	9
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3				Yes
Pollution Incidents to Controlled Waters	pg 3				5
Prosecutions Relating to Authorised Processes	pg 4			2	3
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 5			48	102
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 30			1	
Water Abstractions	pg 30			3	9 (*84)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 54	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 54	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 54	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 56				2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 57	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 57	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 60		Yes		Yes
BGS Urban Soil Chemistry Averages	pg 63	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 63	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 63	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 63	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 63		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 65		114	279	n/a
Fuel Station Entries	pg 97			1	2
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: London School Of Hygiene And Tropical Medicine Property Type: Education Location: London Sch Of Hygine&Trop Medicine Keppel Street . London Wc1e 7ht Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Eprgp3123kg Permit Version: 1 Effective Date: 12th January 2011 Issued Date: 12th January 2011 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Into Land Receiving Water: Groundwaater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	476	1	529839 181892
1	**Discharge Consents** Operator: London School Of Hygiene And Tropical Medicine Property Type: Education Location: London Sch Of Hygine&Trop Medicine Keppel Street . London Wc1e 7ht Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Eprgp3123kg Permit Version: 1 Effective Date: 12th January 2011 Issued Date: 12th January 2011 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Into Land Receiving Water: Groundwaater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	478	1	529835 181897
2	**Discharge Consents** Operator: Ridgeford Properties Limited Property Type: Trade (Unknown/Other) Location: Ridgeford Properties Limited 10 Weymouth Street London W1w 5bx Authority: Environment Agency, Thames Region Catchment Area: Guc Reference: Npswqd007488 Permit Version: 2 Effective Date: 7th February 2013 Issued Date: 7th February 2013 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Into Land Receiving Water: Groundwater **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	881	1	528830 181920
2	**Discharge Consents** Operator: Ridgeford Properties Limited Property Type: Trade (Unknown/Other) Location: Ridgeford Properties Limited 10 Weymouth Street London W1w 5bx Authority: Environment Agency, Thames Region Catchment Area: Guc Reference: Npswqd007488 Permit Version: 1 Effective Date: 20th August 2009 Issued Date: 20th August 2009 Revocation Date: 6th February 2013 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	881	1	528830 181920
3	**Enforcement and Prohibition Notices** Location: Gower Street, LONDON, WC1E 6BT Permit Reference: Not Given Enforcement Date: Not Supplied Details: Inadequate record system for radioactive waste; under RSA93, served 1994/95. Positional Accuracy: Unknown	A18NW (N)	809	1	529569 182288

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Local Authority Pollution Prevention and Controls** Name: Twins Location: 22 D'Arblay Street, London, W1f 8eq Authority: Westminster City Council, Environmental Health Department Permit Reference: 07/14067/EE1EP Dated: 15th June 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	356	2	529416 181147
5	**Local Authority Pollution Prevention and Controls** Name: Soho Dry Cleaners Location: 15 Berwick Street, London, W1f 0pr Authority: Westminster City Council, Environmental Health Department Permit Reference: 07/14023/EE1EP Dated: 15th June 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	410	2	529528 181048
6	**Local Authority Pollution Prevention and Controls** Name: Valentino Dry Cleaners Location: Unit 5 125 Shatesbury Avenue, London, Wc2h 8ad Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC5 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	476	3	529943 181112
7	**Local Authority Pollution Prevention and Controls** Name: Seven Dials Dry Cleaners Location: 37 Monmouth Street, London, Wc2h 9dd Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC25 Dated: 24th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	566	3	530075 181125
8	**Local Authority Pollution Prevention and Controls** Name: Jet Filling Station Location: 30 Clipstone Street, LONDON, W1P 7DH Authority: Westminster City Council, Environmental Health Department Permit Reference: VR 10 Dated: 26th May 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	649	2	529117 181917
9	**Local Authority Pollution Prevention and Controls** Name: Langham Hotel Location: 1c Portland Place, London, W1b 1ja Authority: Westminster City Council, Environmental Health Department Permit Reference: 07/14063/EE1EP Dated: 14th August 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	730	2	528861 181514
10	**Local Authority Pollution Prevention and Controls** Name: Fitzroy Dry Cleaners Location: 90 Cleveland Street, London, W1t 6nl Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC27 Dated: 24th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	753	3	529077 182025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: LONDON, WC1 Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 16th January 1996 Incident Reference: SE960017 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	668	1	529850 182100
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Middlesex Hospital Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 11th November 1998 Incident Reference: THNE1998041066 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	738	1	529200 182100
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: LONDON, WC1 Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 6th January 1996 Incident Reference: SE960007 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	910	1	530500 181700
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Harley Street Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 11th November 1998 Incident Reference: THNE1998041064 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	948	1	528700 181800
21	**Prosecutions Relating to Authorised Processes** Location: The Courtyard, 12 Sutton Row, London Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 27th July 2009 Verdict: Guilty Fine: 261278 Costs: 3755 Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	257	1	529808 181286
22	**Prosecutions Relating to Authorised Processes** Location: 193 Tottenham Court Road, London Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 11th May 2004 Verdict: Guilty Fine: 2000 Costs: 1868 Positional Accuracy: Manually positioned to the address or location	A18SW (N)	431	1	529519 181903

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Prosecutions Relating to Authorised Processes** Location: Regent Street, London Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 17th May 2004 Verdict: Guilty Fine: 4000 Costs: 1789 Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	654	1	529085 181050
24	**Prosecutions Relating to Authorised Processes** Location: Covent Garden, London Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro 97 Hearing Date: 22nd October 2008 Verdict: Guilty Fine: 15000 Costs: 6559 Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	796	1	530126 180848
25	**Prosecutions Relating to Authorised Processes** Location: Swallow Street, London Prosecution Text: Failure to comply with packaging waste regulation Prosecution Act: Pro97 Hearing Date: 10th November 2010 Verdict: Guilty Fine: 13500 Costs: 11427 Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	889	1	529343 180601
26	**Registered Radioactive Substances** Name: Bloomsbury And Islington Health Authority Location: The Middlesex Hospital, Mortimer Street, LONDON, Greater London, W1N 8AA Authority: Environment Agency, Thames Region Permit Reference: AA0230 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA dated pre April 1991 **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Unknown	A13NW (NW)	332	1	529308 181649
26	**Registered Radioactive Substances** Name: University College And Middlesex School Of Medicine Location: University College London Of Medicine, Middlesex Hospital Site, Mortimer Street, LONDON, Greater London, W1N 8AA Authority: Environment Agency, Thames Region Permit Reference: AD9691 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	351	1	529283 181642
26	**Registered Radioactive Substances** Name: Covidien Uk Commercial Ltd Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: By2251 Dated: 20th September 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: Covidien Uk Commercial Ltd Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: Bv2107 Dated: 27th May 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Registered Radioactive Substances** Name: Covidien Uk Commercial Ltd Location: The Mallinckrodt Radiopharmacy, The Middlesex Hospital, Mortimer Street, LONDON, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: Bv2271 Dated: 27th May 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: The Middlesex Hospital, Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: Bm0478 Dated: 4th April 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: Bk8320 Dated: 25th July 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: Mallinckrodt Medical Holdings Uk Ltd Location: The Middlesex Hospital, Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: BB0035 Dated: 24th June 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: Mallinckrodt Medical Holdings Uk Ltd Location: The Middlesex Hospital, Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: BB0027 Dated: 24th June 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, LONDON, Greater London, W1N 8AA Authority: Environment Agency, Thames Region Permit Reference: AH6848 Dated: 27th May 1993 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: AJ9954 Dated: 31st March 1991 Process Type: Not Supplied Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: By6427 Dated: Not Supplied Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: By6419 Dated: Not Supplied Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	352	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: Mortimer Street, LONDON, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: Bz8476 Dated: 9th December 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	353	1	529283 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: The Middlesex Hospital, Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: By8659 Dated: 14th July 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	353	1	529282 181647
26	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: The Middlesex Hospital, Mortimer Street, London, W1T 3AA Authority: Environment Agency, Thames Region Permit Reference: By8667 Dated: 14th July 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	353	1	529282 181647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: Br8239 Dated: 18th June 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: Br8298 Dated: 18th June 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: Bj8243 Dated: 16th July 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: Bj8235 Dated: 16th July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: BE9829 Dated: 19th May 1999 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Registered Radioactive Substances** Name: Rodaris Pharmaceuticals Ltd Location: Arthur Stanley House, 6Th Floor, 45-50 Tottenham Street, LONDON, W1T 4RN Authority: Environment Agency, Thames Region Permit Reference: BE9837 Dated: 19th May 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	1	529329 181749
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91 Riding House Street, LONDON, Greater London, W1P 8BT Authority: Environment Agency, Thames Region Permit Reference: AP7725 Dated: 28th March 1995 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	402	1	529243 181676
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91 Riding Hoouse Street, LONDON, Greater London, W1P 8BT Authority: Environment Agency, Thames Region Permit Reference: AT7685 Dated: 20th February 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	404	1	529243 181681
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91 Riding House Street, LONDON, Greater London, W1P 8BT Authority: Environment Agency, Thames Region Permit Reference: AV6361 Dated: 16th September 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	407	1	529243 181686
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91, Riding House Street, LONDON, W1W 7BS Authority: Environment Agency, Thames Region Permit Reference: Ca0166 Dated: 4th January 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: 91 Courtauld Building, Riding House Street, LONDON, W1W 7BS Authority: Environment Agency, Thames Region Permit Reference: Bw6973 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: 91 Courtauld Building, Riding House Street, London, W1W 7BS Authority: Environment Agency, Thames Region Permit Reference: Bk5886 Dated: 13th August 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: 91 Courtauld Building, Riding House Street, London, W1W 7BS Authority: Environment Agency, Thames Region Permit Reference: Bk5894 Dated: 16th July 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91 Riding House Street, LONDON, W1P 8BT Authority: Environment Agency, Thames Region Permit Reference: AC4708 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752
28	**Registered Radioactive Substances** Name: Ludwig Institute For Cancer Research Location: Courtauld Building, 91 Riding House Street, LONDON, W1P 8BT Authority: Environment Agency, Thames Region Permit Reference: AC4716 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	430	1	529262 181752
28	**Registered Radioactive Substances** Name: University College London Location: Tottenham Street, Riding House Street, Cleveland Street, LONDON, WC1 Authority: Environment Agency, Thames Region Permit Reference: BA0765 Dated: 19th December 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A12NE (NW)	433	1	529234 181721
28	**Registered Radioactive Substances** Name: University College London Location: 66-73 Riding House Street, LONDON, Greater London, W1P 7PP Authority: Environment Agency, Thames Region Permit Reference: AS5920 Dated: 14th August 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	437	1	529229 181721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Registered Radioactive Substances** Name: University College London Location: Charles Bell House, 67-73, Riding House Street, London, W1W 7EJ Authority: Environment Agency, Thames Region Permit Reference: CB0013 Dated: 20th February 2007 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	447	1	529213 181713
28	**Registered Radioactive Substances** Name: University College London Location: Charles Bell House, 67-73, Riding House Street, LONDON, W1W 7EJ Authority: Environment Agency, Thames Region Permit Reference: Ca0018 Dated: 4th January 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	447	1	529213 181713
28	**Registered Radioactive Substances** Name: University College London Location: 67-73 Charles Bell House, Riding House Street, London, W1W 7EJ Authority: Environment Agency, Thames Region Permit Reference: Bw7376 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	447	1	529213 181713
29	**Registered Radioactive Substances** Name: British Museum Location: Csr And P And E,Great Russell Street, LONDON, WC1B 3DG Authority: Environment Agency, Thames Region Permit Reference: Bz9723 Dated: 5th January 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to an authorisation under S13 or S14 RSA in respect of a registration under S7 or S10 RSA where the sum of the registered holdings does not exceed 20 megabecquerels **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	438	1	529975 181721
29	**Registered Radioactive Substances** Name: British Museum Location: Csr And P And E,Great Russell Street, LONDON, WC1B 3DG Authority: Environment Agency, Thames Region Permit Reference: Bw7503 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to an authorisation under S13 or S14 RSA in respect of a registration under S7 or S10 RSA where the sum of the registered holdings does not exceed 20 megabecquerels **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	438	1	529975 181721
29	**Registered Radioactive Substances** Name: British Museum Location: Csr And P And E,Great Russell Street, LONDON, WC1B 3DG Authority: Environment Agency, Thames Region Permit Reference: BF3133 Dated: 6th September 1999 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	438	1	529975 181721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Registered Radioactive Substances** Name: British Museum Location: Csr And P And E,Great Russell Street, LONDON, WC1B 3DG Authority: Environment Agency, Thames Region Permit Reference: BF3141 Dated: 6th September 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Registration under S7 or S10 RSA where the sum of the registered holdings does not exceed 20 megabecquerels **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	438	1	529975 181721
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, LONDON, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: Ca0662 Dated: 5th January 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	441	1	529790 181878
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, LONDON, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: By6800 Dated: 11th May 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	442	1	529790 181879
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, LONDON, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: Bx9269 Dated: 20th September 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	442	1	529790 181879
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, LONDON, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: Bw6728 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	442	1	529790 181879
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, Camden, LONDON, Greater London, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: AK2378 Dated: 5th November 1993 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A18SE (NE)	448	1	529813 181875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, Camden, LONDON, Greater London, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: AA0531 Dated: 23rd November 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA dated pre April 1991 **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A18SE (NE)	450	1	529808 181880
30	**Registered Radioactive Substances** Name: London School Of Hygiene And Tropical Medicine Location: Keppel Street, Camden, LONDON, Greater London, WC1E 7HT Authority: Environment Agency, Thames Region Permit Reference: AR7831 Dated: 26th January 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A18SE (NE)	457	1	529813 181885
31	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: 60 Whitfield Street, LONDON, W1T 4EU Authority: Environment Agency, Thames Region Permit Reference: Bz8506 Dated: 9th December 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	500	1	529415 181944
31	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: 60 Whitfield Street, London, W1T 4EU Authority: Environment Agency, Thames Region Permit Reference: By6311 Dated: 25th April 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A18SW (N)	501	1	529415 181945
31	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: 60 Whitfield Street, London, W1T 4EU Authority: Environment Agency, Thames Region Permit Reference: By6257 Dated: 25th April 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A18SW (N)	501	1	529415 181945
31	**Registered Radioactive Substances** Name: University College London Hospitals Nhs Foundation Trust Location: UNIVERSITY COLLEGE LONDON HOSPITALS NHS TRUST, 60 Whitfield Street, LONDON, W1T 4EU Authority: Environment Agency, Thames Region Permit Reference: Bv4274 Dated: 12th November 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A18SW (N)	501	1	529415 181945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Registered Radioactive Substances** Name: Lister Inhealth Ltd Location: The London Imaging Centre, Lister House, 11 Wimpole Street,, London, W1G 9ST Authority: Environment Agency, Thames Region Permit Reference: By9523 Dated: 7th June 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	959	1	528631 181461
53	**Registered Radioactive Substances** Name: Lister Inhealth Ltd Location: The London Imaging Centre, Lister House, 11 Wimpole Street,, London, W1G 9ST Authority: Environment Agency, Thames Region Permit Reference: By9531 Dated: 7th June 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	959	1	528631 181461
54	**Registered Radioactive Substances** Name: Js Pathology Ltd Location: P O Box 4Bd, 80 Harley Street, LONDON, Greater London, W1A 4BD Authority: Environment Agency, Thames Region Permit Reference: AD8202 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	991	1	528643 181766
55	**Substantiated Pollution Incident Register** Authority: Environment Agency - Thames Region, North East Area Incident Date: 2nd August 2002 Incident Reference: 96824 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals : Acids	A13NW (NW)	341	1	529299 181651
56	**Water Abstractions** Operator: London School Of Hygiene And Tropical Medicine Licence Number: Th/039/0039/031 Permit Version: 1 Location: Keppel Street, Bloomsbury, London - Borehole 1 Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	462	1	529860 181863
56	**Water Abstractions** Operator: London School Of Hygiene And Tropical Medicine Licence Number: Th/039/0039/031 Permit Version: 1 Location: Keppel Street, Bloomsbury, London - Borehole 2 Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	463	1	529858 181865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**Water Abstractions** Operator: Capital And Counties Property Company Limited Licence Number: 28/39/39/0138 Permit Version: 100 Location: Walmer House, 296 Regent Street, London W1-Borehole B Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walmer House, 296 Regent Street, London W1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th November 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	495	1	529100 181400
58	**Water Abstractions** Operator: Pontsarn Investments Limited Licence Number: 28/39/39/0138 Permit Version: 102 Location: Walmer House, 296 Regent Street, London, W1b - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walmer House, 296 Regent Street, London W1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	592	1	529010 181350
58	**Water Abstractions** Operator: Great Capital Partnership (G.P.) Limited Licence Number: 28/39/39/0138 Permit Version: 101 Location: Walmer House, 296 Regent Street, London, W1b - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walmer House, 296 Regent Street, London W1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	592	1	529010 181350
59	**Water Abstractions** Operator: Pontsarn Investments Limited Licence Number: 28/39/39/0138 Permit Version: 102 Location: Walmer House, 296 Regent Street, London, W1b - Borehole 'B' Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walmer House, 296 Regent Street, London W1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	597	1	529010 181330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Keeper Of The Privy Purse Licence Number: 28/39/39/0196c Permit Version: 1 Location: Borehole At Buckingham Palace Authority: Environment Agency, Thames Region Abstraction: Crown and Government: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Buckingham Palace Gardens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th November 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1997	1	528990 179550
	Water Abstractions Operator: The Keeper Of The Privy Purse Licence Number: 28/39/39/0196c Permit Version: 1 Location: Borehole At Buckingham Palace Authority: Environment Agency, Thames Region Abstraction: Crown and Government: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Buckingham Palace Gardens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th November 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1997	1	528990 179550
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 39 West London Scale: 1:100,000	A13NW (NW)	0	1	529604 181466
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	A13NW (NW)	0	4	529604 181466
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NW)	0	4	529604 181466
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Westminster City Council - Has supplied landfill data		0	2	529604 181466
	Local Authority Landfill Coverage Name: London Borough of Camden - Has no landfill data to supply		23	8	529627 181489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Control of Major Accident Hazards Sites (COMAH)** Name: Interconnector UK Ltd Location: 56 58 Conduit Street, LONDON, W1R 9FD Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	707	5	529097 180956
64	**Control of Major Accident Hazards Sites (COMAH)** Name: Total Oil Marine Plc Location: 33 Cavendish Square, LONDON, W1M 9HF Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A12SW (W)	728	5	528890 181271

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: London Clay	A13NW (NW)	0	4	529604 181466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A13NW (NW)	0	6	529604 181466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A14NW (E)	379	6	530000 181466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A8NW (S)	452	6	529604 181000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A18SW (N)	520	6	529604 182000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A9NW (SE)	571	6	529955 181000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A9NW (SE)	571	6	529954 180999

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A9SW (SE)	891	6	530000 180656
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A7SE (SW)	901	6	529000 180780
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A14SE (E)	947	6	530550 181276
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A8SE (S)	981	6	529644 180472
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A7NW (SW)	985	6	528725 181000
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529700, 181290 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 12.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 50.00 mg/kg Lead Measured Concentration: 123.00 mg/kg Nickel Measured Concentration: 22.00 mg/kg	A13SE (SE)	190	4	529700 181290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529700, 181280 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 24.00 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 61.00 mg/kg Lead Measured Concentration: 798.00 mg/kg Nickel Measured Concentration: 34.00 mg/kg	A13SE (SE)	198	4	529700 181280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529792, 181638 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 33.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 91.00 mg/kg Lead Measured Concentration: 847.00 mg/kg Nickel Measured Concentration: 34.00 mg/kg	A13NE (NE)	245	4	529792 181638
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529210, 181870 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 30.00 mg/kg Cadmium Measured Concentration: 1.80 mg/kg Chromium Measured Concentration: 106.00 mg/kg Lead Measured Concentration: 775.00 mg/kg Nickel Measured Concentration: 35.00 mg/kg	A17SE (NW)	549	4	529210 181870
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 530240, 181240 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 12.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 50.00 mg/kg Lead Measured Concentration: 115.00 mg/kg Nickel Measured Concentration: 20.00 mg/kg	A14SW (E)	658	4	530240 181240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529355, 180832 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 68.00 mg/kg Lead Measured Concentration: 224.00 mg/kg Nickel Measured Concentration: 24.00 mg/kg	A8NW (S)	667	4	529355 180832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 528680, 181740 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 75.00 mg/kg Lead Measured Concentration: 457.00 mg/kg Nickel Measured Concentration: 23.00 mg/kg	A12NW (W)	948	4	528680 181740
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7189 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13NW (NW)	0	4	529604 181466
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	95	4	529712 181435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	4	529604 181466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Contemporary Trade Directory Entries** Name: Omk Design Ltd Location: Stephen Building, 30, Gresse Street, London, W1T 1QR Classification: Furniture Manufacturers - Home & Office **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	41	-	529616 181519
65	**Contemporary Trade Directory Entries** Name: Service Point (Uk) Ltd Location: 32, Gresse Street, London, W1T 1QT Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	55	-	529605 181534
65	**Contemporary Trade Directory Entries** Name: The Television Set Location: 10-11, Percy Street, London, W1T 1DN Classification: Copying & Duplicating Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NE (N)	86	-	529620 181564
66	**Contemporary Trade Directory Entries** Name: Enny (Uk) Ltd Location: London, W1A 4BZ Classification: Leather Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	42	-	529554 181451
67	**Contemporary Trade Directory Entries** Name: Webwear Location: 16-19 Gresse St, London, W1T 1QL Classification: Clothing Accessory Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	45	-	529657 181436
67	**Contemporary Trade Directory Entries** Name: Webwear Location: 16 Gresse St, London, W1T 1QL Classification: Clothing Accessory Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	45	-	529657 181436
67	**Contemporary Trade Directory Entries** Name: Contour Colour Ltd Location: 7-8, Rathbone Place, London, W1T 1HN Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	46	-	529636 181419
67	**Contemporary Trade Directory Entries** Name: Jb S Records Location: 36, Hanway Street, London, W1T 1UP Classification: Record, Tape & CD Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	76	-	529666 181402
68	**Contemporary Trade Directory Entries** Name: Printfast Ltd Location: 33-34, Rathbone Place, London, W1T 1JN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	56	-	529543 181504
69	**Contemporary Trade Directory Entries** Name: Shasonic Location: 20-21, Tottenham Court Road, London, W1T 1BW Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	91	-	529694 181517
69	**Contemporary Trade Directory Entries** Name: In 2 Technology Location: 18, Tottenham Court Road, London, W1T 1BL Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	91	-	529694 181517
69	**Contemporary Trade Directory Entries** Name: C & A Electronics Location: 26-27, Tottenham Court Road, London, W1T 1BS Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	91	-	529694 181517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**Contemporary Trade Directory Entries** Name: Micro World House Of Electronics Ltd Location: 26, Tottenham Court Road, London, W1T 1BS Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	91	-	529694 181517
69	**Contemporary Trade Directory Entries** Name: Digital Technology Ltd Location: 26, Tottenham Court Road, London, W1T 1BS Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	91	-	529694 181517
70	**Contemporary Trade Directory Entries** Name: Camera Care Location: 20, Hanway Street, London, W1T 1UG Classification: Photographic Equipment Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	94	-	529709 181431
70	**Contemporary Trade Directory Entries** Name: Castle Printers London Ltd Location: 14, Hanway Place, London, W1T 1HD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	101	-	529721 181443
70	**Contemporary Trade Directory Entries** Name: Nena Fashion Group Location: 14, Hanway Place, London, W1T 1HD Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	101	-	529721 181443
70	**Contemporary Trade Directory Entries** Name: Adlin Designs Location: 14, Hanway Place, London, W1T 1HD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	101	-	529721 181443
70	**Contemporary Trade Directory Entries** Name: A Man With A Van Location: 14, Tottenham Court Road, London, W1T 1JY Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	124	-	529745 181468
70	**Contemporary Trade Directory Entries** Name: Mavel Location: 14, Tottenham Court Road, London, W1T 1JY Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	124	-	529745 181468
71	**Contemporary Trade Directory Entries** Name: First Colour Location: 15-16, Newman Street, London, W1T 1PA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	99	-	529491 181463
71	**Contemporary Trade Directory Entries** Name: First Colour Location: 15-16, Newman Street, London, W1T 1PA Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	99	-	529491 181463
71	**Contemporary Trade Directory Entries** Name: Rabbit Digital Location: 78, Newman Street, London, W1T 3EP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	139	-	529451 181466
72	**Contemporary Trade Directory Entries** Name: Currys Digital Location: 88, Oxford Street, London, W1D 1BX Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	111	-	529539 181359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**Contemporary Trade Directory Entries** Name: Westbase One Hour Photo Location: 70, Oxford Street, London, W1D 1BP Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	111	-	529539 181359
72	**Contemporary Trade Directory Entries** Name: Mobile Media Location: 103, Dean Street, London, W1D 3TH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SW (S)	139	-	529553 181322
73	**Contemporary Trade Directory Entries** Name: La Perla Distributor Location: 22, Newman Street, London, W1T 1PH Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	120	-	529476 181513
73	**Contemporary Trade Directory Entries** Name: Bayeux Ltd Location: 25, Newman Street, London, W1T 1PN Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	140	-	529456 181513
73	**Contemporary Trade Directory Entries** Name: Loaded Imports Location: 75, Newman Street, London, W1T 3EN Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	157	-	529434 181493
74	**Contemporary Trade Directory Entries** Name: Hq Communications Location: 16 Percy St, London, W1T 1DT Classification: Press Tool Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (N)	125	-	529651 181595
74	**Contemporary Trade Directory Entries** Name: C & A Electronics Location: 37, Tottenham Court Road, London, W1T 1BY Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	147	-	529672 181609
74	**Contemporary Trade Directory Entries** Name: C & A Electronics Location: 37, Tottenham Court Road, London, W1T 1BY Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	147	-	529672 181609
74	**Contemporary Trade Directory Entries** Name: Sunrise Ltd Location: 38, Tottenham Court Road, London, W1T 1BZ Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	152	-	529671 181615
74	**Contemporary Trade Directory Entries** Name: Tech Repair Centre Location: 38, Tottenham Court Road, London, W1T 1BZ Classification: Electrical goods - servicing & repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	152	-	529671 181615
74	**Contemporary Trade Directory Entries** Name: Makro Uk Ltd Location: 232, Tottenham Court Road, London, W1T 7QJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	193	-	529684 181654
75	**Contemporary Trade Directory Entries** Name: Seymour Distribution Ltd Location: 86, Newman Street, London, W1T 3EX Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	132	-	529475 181406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**Contemporary Trade Directory Entries** Name: Seymour International Press Location: 86, Newman Street, London, W1T 3EX Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	132	-	529475 181406
75	**Contemporary Trade Directory Entries** Name: Seymour International Press Location: 86, Newman Street, London, W1T 3EX Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	132	-	529475 181406
75	**Contemporary Trade Directory Entries** Name: Sherlock George Location: 4, Berners Street, London, W1T 3LE Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	173	-	529444 181379
75	**Contemporary Trade Directory Entries** Name: Custom Shutters Location: 10a, Berners Place, London, W1T 3AE Classification: Shutters - Internal **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	173	-	529444 181379
75	**Contemporary Trade Directory Entries** Name: Hollander Hyams Ltd Location: 9, Berners Place, London, W1T 3HH Classification: Leather Merchants & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	174	-	529447 181372
76	**Contemporary Trade Directory Entries** Name: Russell & Hodge Ltd Location: 3, Windmill Street, London, W1T 2HY Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	134	-	529547 181603
76	**Contemporary Trade Directory Entries** Name: Consultancy Division Location: 7, Windmill Street, London, W1T 2JD Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	142	-	529559 181615
76	**Contemporary Trade Directory Entries** Name: Baird Mcnutt Location: 7, Windmill Street, London, W1T 2JD Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	142	-	529559 181615
76	**Contemporary Trade Directory Entries** Name: J Shiner & Sons Ltd Location: 8, Windmill Street, London, W1T 2JE Classification: Brass & Copper Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	144	-	529563 181619
76	**Contemporary Trade Directory Entries** Name: Artefact Location: 36, Windmill Street, London, W1T 2JT Classification: Picture & Picture Frame Renovating & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	174	-	529553 181648
77	**Contemporary Trade Directory Entries** Name: Hawkey Ltd Location: Victor House, 81, Oxford Street, London, W1D 2EU Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	139	-	529592 181313
77	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: 89, Oxford Street, London, W1D 2EZ Classification: Perfume Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	139	-	529592 181313

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Contemporary Trade Directory Entries** Name: Testfield.Co.Uk Location: Victor House, 81, Oxford Street, London, W1D 2EU Classification: Laboratory Equipment, Instruments & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	139	-	529592 181313
77	**Contemporary Trade Directory Entries** Name: Colorprint Offset Ltd Location: Victor House, 81, Oxford Street, London, W1D 2EU Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	139	-	529592 181313
78	**Contemporary Trade Directory Entries** Name: Palebeck Telecommunications Technology Ltd Location: 4 Newman Pass, London, W1P 3PF Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	144	-	529472 181556
78	**Contemporary Trade Directory Entries** Name: Transfer 2 Location: Cannon House, 25, Rathbone Street, London, W1T 1NQ Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	145	-	529475 181562
78	**Contemporary Trade Directory Entries** Name: Pure Location: 32, Newman Street, London, W1T 1PU Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	183	-	529435 181571
79	**Contemporary Trade Directory Entries** Name: Ask Electronics Ltd Location: 248-250, Tottenham Court Road, London, W1T 7QZ Classification: Radio Communication Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	155	-	529749 181552
79	**Contemporary Trade Directory Entries** Name: Ask Direct Location: 248-250, Tottenham Court Road, London, W1T 7QZ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	155	-	529749 181552
79	**Contemporary Trade Directory Entries** Name: A B M Electronics Location: 251, Tottenham Court Road, London, W1T 7RB Classification: Electronic Component Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528
79	**Contemporary Trade Directory Entries** Name: Phoenix Systems Location: 254-256, Tottenham Court Road, London, W1T 7RD Classification: Fax Machines **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528
79	**Contemporary Trade Directory Entries** Name: Time Out Distribution Ltd Location: Universal House, 251, Tottenham Court Road, London, W1T 7AB Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528
79	**Contemporary Trade Directory Entries** Name: Sonic (Uk) Ltd Location: 254-256, Tottenham Court Road, London, W1T 7RD Classification: Photographic Equipment & Supplies - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528
79	**Contemporary Trade Directory Entries** Name: Kamla Electronics Location: First Floor Flat, 251-256, Tottenham Court Road, London, W1T 7RL Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Contemporary Trade Directory Entries** Name: Techno Talks Location: 254-256, Tottenham Court Road, London, W1T 7RD Classification: Mobile Phone Accessories and Car Kits **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	156	-	529763 181528
79	**Contemporary Trade Directory Entries** Name: Marketforce (Uk) Ltd Location: 247, Tottenham Court Road, London, W1T 7AU Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: C & A Electronics Location: 243, Tottenham Court Road, London, W1T 7QS Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Shasonic Location: 242, Tottenham Court Road, London, W1T 7QR Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Sunrise Electronics Location: 242, Tottenham Court Road, London, W1T 7QR Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Crossview Associates Location: 239-240, Tottenham Court Road, London, W1T 7QP Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: C & A Electronics Location: 237, Tottenham Court Road, London, W1T 7QW Classification: Fax Machines **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: R I A Technologies Location: 243, Tottenham Court Road, London, W1T 7QS Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Meritus Location: 239-240, Tottenham Court Road, London, W1T 7QP Classification: Computer Recycling & Disposal **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Digitals Uk Location: 246, Tottenham Court Road, London, W1T 7QU Classification: Projection Screens - Mfrs & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Purelyplay Ltd Location: 239-240, Tottenham Court Road, London, W1T 7QP Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: Nk Electronics Location: 243, Tottenham Court Road, London, W1T 7QS Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	158	-	529724 181583

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Contemporary Trade Directory Entries** Name: Sohltech Location: 239-240, Tottenham Court Road, London, W1T 7QP Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	158	-	529724 181583
79	**Contemporary Trade Directory Entries** Name: James Pool & Sons Ltd Location: 1 Bedford Av, London, WC1B 3AS Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	165	-	529778 181514
79	**Contemporary Trade Directory Entries** Name: City Cell Location: 257-258, Tottenham Court Road, London, W1T 7RE Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (E)	165	-	529778 181515
80	**Contemporary Trade Directory Entries** Name: Impero Ltd Location: 27, Oxford Street, London, W1D 2DP Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	170	-	529749 181351
80	**Contemporary Trade Directory Entries** Name: Cleaners Soho Location: 19, Soho Square, London, W1D 3QN Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	179	-	529734 181324
80	**Contemporary Trade Directory Entries** Name: 24hr Pest & Vermin Control Location: Callcentre,Soho Sq, London, W1D 3QL Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	195	-	529720 181295
80	**Contemporary Trade Directory Entries** Name: Silicon Studios (London) Ltd Location: Knightway House, 20, Soho Square, London, W1D 3QW Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	204	-	529748 181304
80	**Contemporary Trade Directory Entries** Name: Super 8 Rushes Location: 1-6, Falconberg Court, London, W1D 3AB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	205	-	529783 181338
80	**Contemporary Trade Directory Entries** Name: Pest & Vermin Control Service Location: Soho Sq, London, W1D 3QL Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	209	-	529726 181282
81	**Contemporary Trade Directory Entries** Name: Adam B Colour Service Location: 32, Windmill Street, London, W1T 2JW Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	181	-	529572 181659
81	**Contemporary Trade Directory Entries** Name: Lewis Leathers Location: Mottram House, 3-5, Whitfield Street, London, W1T 2SA Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	187	-	529565 181664
81	**Contemporary Trade Directory Entries** Name: Windmill Tool & Hardware Ltd Location: 27, Windmill Street, London, W1T 2JH Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	199	-	529606 181679

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**Contemporary Trade Directory Entries** Name: Sunrise Business Centre Location: 48, Tottenham Court Road, London, W1T 2EF Classification: Digital Printing **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	212	-	529613 181692
81	**Contemporary Trade Directory Entries** Name: Dirty Harrys Ltd Location: 49, Tottenham Court Road, London, W1T 2EG Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	216	-	529612 181696
81	**Contemporary Trade Directory Entries** Name: London Digital Printing Co Location: 12-14, Whitfield Street, London, W1T 2RF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	226	-	529571 181704
81	**Contemporary Trade Directory Entries** Name: London Digital Printing Group Ltd Location: 12-14, Whitfield Street, London, W1T 2RF Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	226	-	529571 181704
81	**Contemporary Trade Directory Entries** Name: London Digital Printing Group Location: 12-14, Whitfield Street, London, W1T 2RF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	226	-	529571 181704
82	**Contemporary Trade Directory Entries** Name: Rentokil Property Care Location: Charlotte St, London, W1T 1RW Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	181	-	529479 181616
83	**Contemporary Trade Directory Entries** Name: Oriental Enterprises Location: 17, Oxford Street, London, W1D 2DJ Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	188	-	529774 181354
83	**Contemporary Trade Directory Entries** Name: A Total Kleaning Service Location: Oxford House,9-15 Oxford St, London, W1D 2DG Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	198	-	529786 181354
84	**Contemporary Trade Directory Entries** Name: Aur Telephone Location: 260, Tottenham Court Road, London, W1T 7RF Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	196	-	529815 181491
84	**Contemporary Trade Directory Entries** Name: A To Z Accessories Ltd Location: 9, Great Russell Street, London, WC1B 3NH Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	232	-	529853 181463
84	**Contemporary Trade Directory Entries** Name: City Telephones Location: 9, Great Russell Street, London, WC1B 3NH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	232	-	529853 181463
85	**Contemporary Trade Directory Entries** Name: Marchpole Group Plc Location: 19-20, Berners Street, London, W1T 3LW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	206	-	529385 181496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	**Contemporary Trade Directory Entries** Name: Printec Consultants Location: 19-20, Berners Street, London, W1T 3LW Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	206	-	529385 181496
86	**Contemporary Trade Directory Entries** Name: Noble Engineering Location: 31, Bedford Square, London, WC1B 3EF Classification: Engineering Machine Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	210	-	529762 181619
87	**Contemporary Trade Directory Entries** Name: Sunrise Impex Location: 229, Tottenham Court Road, London, W1T 7QG Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	213	-	529663 181684
88	**Contemporary Trade Directory Entries** Name: Sacha London Location: Woolverstone House, 61, Berners Street, London, W1T 3NJ Classification: Footwear - Manufacturers and Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	222	-	529372 181429
88	**Contemporary Trade Directory Entries** Name: Fitzrovia Ltd Location: 60a, Berners Street, London, W1T 3BA Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	233	-	529358 181445
88	**Contemporary Trade Directory Entries** Name: Carelle Ltd Location: 18, Wells Street, London, W1T 3PG Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	265	-	529326 181445
88	**Contemporary Trade Directory Entries** Name: Harold Gillow Ltd Location: 18, Wells Street, London, W1T 3PG Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	265	-	529326 181445
88	**Contemporary Trade Directory Entries** Name: Phase Clothing Location: 18 Wells St, London, W1T 3PG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	265	-	529326 181445
88	**Contemporary Trade Directory Entries** Name: Rob London Location: 24, Wells Street, London, W1T 3PH Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	292	-	529298 181482
88	**Contemporary Trade Directory Entries** Name: Rob London Location: 24, Wells Street, London, W1T 3PH Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	292	-	529298 181482
89	**Contemporary Trade Directory Entries** Name: Rawhide Location: The Plaza,120 Oxford St, London, W1D 1LT Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	236	-	529383 181359
89	**Contemporary Trade Directory Entries** Name: Classic Cleaning Location: The Plaza, 120, Oxford Street, London, W1D 1LT Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	236	-	529383 181359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: The Plaza, 120, Oxford Street, London, W1D 1LT Classification: Perfume Suppliers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	236	-	529383 181359
90	**Contemporary Trade Directory Entries** Name: F T S Bonded Services Ltd Location: Paramount House, 162-170, Wardour Street, London, W1F 8ZX Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	237	-	529495 181240
90	**Contemporary Trade Directory Entries** Name: Jupiterimages Location: Paramount House, 162-170, Wardour Street, London, W1F 8ZX Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	237	-	529495 181240
90	**Contemporary Trade Directory Entries** Name: J Blundell & Sons Ltd Location: 199, Wardour Street, London, W1F 8JN Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	238	-	529441 181276
90	**Contemporary Trade Directory Entries** Name: 24hr Pest Control Location: 189, Wardour Street, London, W1F 8ZD Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	529460 181255
90	**Contemporary Trade Directory Entries** Name: Dirty Harry'S Location: 189, Wardour Street, London, W1F 8ZD Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	529460 181255
90	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: 191, Wardour Street, London, W1F 8ZE Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	529454 181260
90	**Contemporary Trade Directory Entries** Name: Albany Environmental Services Ltd Location: 189, Wardour Street, London, W1F 8ZD Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	242	-	529460 181255
90	**Contemporary Trade Directory Entries** Name: Easypest Control Location: 189, Wardour Street, London, W1F 8ZD Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	242	-	529460 181255
90	**Contemporary Trade Directory Entries** Name: Film Media Services Ltd Location: 52, Berwick Street, London, W1F 8SL Classification: Freight Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	256	-	529420 181271
90	**Contemporary Trade Directory Entries** Name: Saarstahl Uk Ltd Location: 2-4, Noel Street, London, W1F 8GB Classification: Steel Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	256	-	529447 181247
90	**Contemporary Trade Directory Entries** Name: Jag T-Shirt Centre Location: 49, Berwick Street, London, W1F 8SH Classification: T-Shirts **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	263	-	529426 181256

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**Contemporary Trade Directory Entries** Name: Elegant Jewellery Co Location: 47, Berwick Street, London, W1F 8SQ Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	265	-	529433 181246
90	**Contemporary Trade Directory Entries** Name: Gabriel'S Location: 47, Berwick Street, London, W1F 8SQ Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	265	-	529433 181246
90	**Contemporary Trade Directory Entries** Name: H K S Knitwear Location: 26, Noel Street, London, W1F 8GY Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	266	-	529460 181226
90	**Contemporary Trade Directory Entries** Name: Jta Distributors Ltd Location: 6, Noel Street, London, W1F 8GG Classification: Footwear Manufacturers & Wholesale **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	271	-	529436 181237
91	**Contemporary Trade Directory Entries** Name: Interior Id Ltd Location: Medius House, 2, Sheraton Street, London, W1F 8BH Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (S)	237	-	529516 181230
91	**Contemporary Trade Directory Entries** Name: Chappell Of Bond Street Location: 152-160, Wardour Street, London, W1F 8YA Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	254	-	529499 181220
92	**Contemporary Trade Directory Entries** Name: Cymbol Colourworks Ltd Location: 4, Charlotte Place, London, W1T 1SE Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	244	-	529414 181642
92	**Contemporary Trade Directory Entries** Name: Central Bikes Location: 27 Goodge Pl, London, W1T 4SP Classification: Motor Cycle Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	286	-	529392 181680
93	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: 42, Charlotte Street, London, W1T 2NP Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	253	-	529465 181693
93	**Contemporary Trade Directory Entries** Name: Ryness Electrical Supplies Ltd Location: 37, Goodge Street, London, W1T 2PU Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	254	-	529478 181702
94	**Contemporary Trade Directory Entries** Name: Aurum Mining Location: 22, Soho Square, London, W1D 4NS Classification: Metals - Mining **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	253	-	529765 181255
95	**Contemporary Trade Directory Entries** Name: Glorious Productions Location: 1, Colville Place, London, W1T 2BG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	255	-	529523 181723

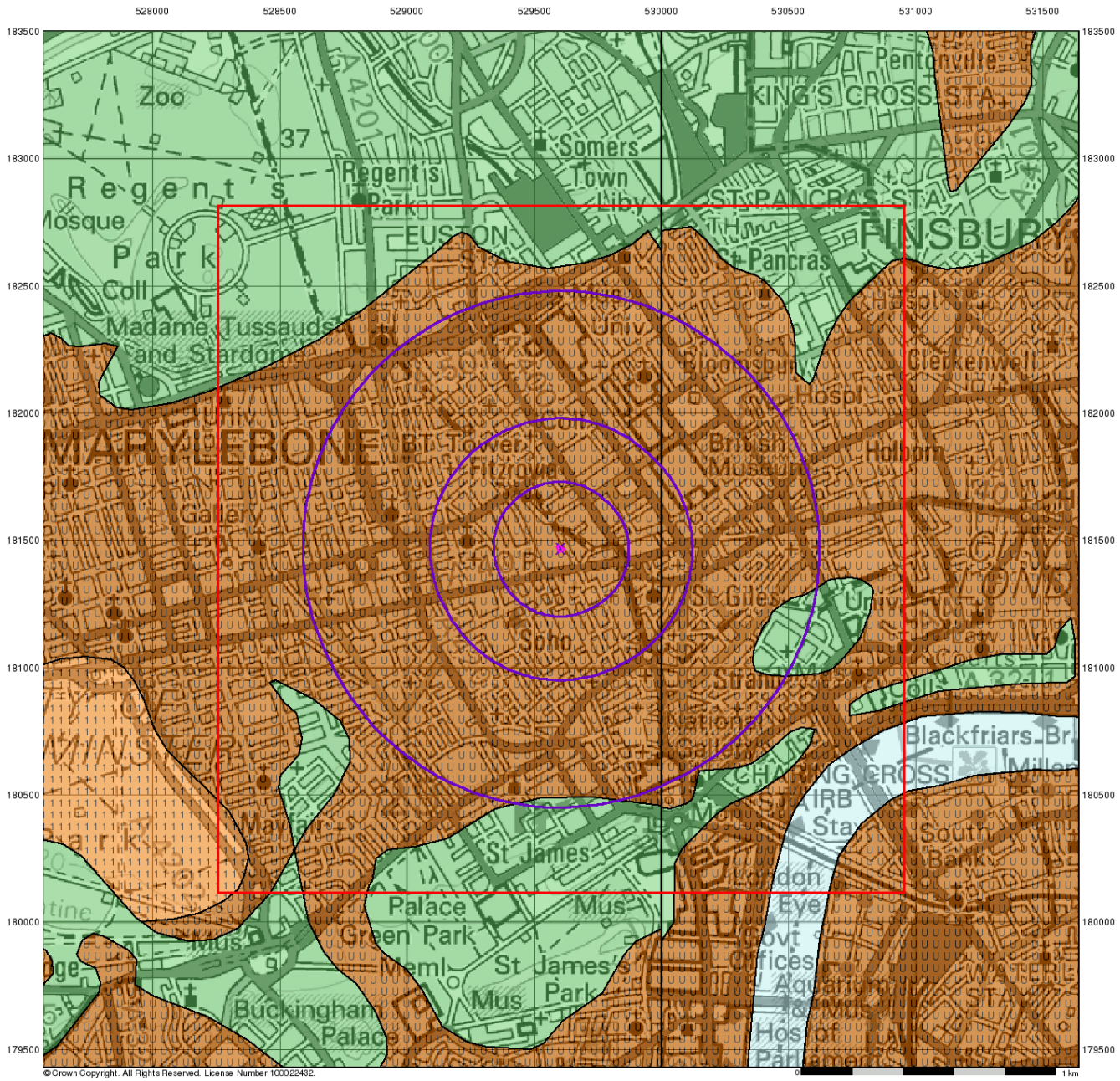
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	**Contemporary Trade Directory Entries** Name: Simon Gillespie Location: 51a, Cleveland Street, London, W1T 4JH Classification: Art Restoration & Picture Cleaning **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	493	-	529226 181807
174	**Contemporary Trade Directory Entries** Name: Negs Photographic Services Ltd Location: 47, Broadwick Street, London, W1F 9QP Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	497	-	529381 181006
174	**Contemporary Trade Directory Entries** Name: Flying Colours Group Ltd Location: 47, Broadwick Street, London, W1F 9QP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	497	-	529381 181006
174	**Contemporary Trade Directory Entries** Name: Flying Colours Location: 45-47 Broadwick St, London, W1F 9QP Classification: Printers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NW (SW)	497	-	529381 181006
175	**Contemporary Trade Directory Entries** Name: Publicity Arts Location: 8, Marshall Street, London, W1F 7EJ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	500	-	529326 181034
175	**Contemporary Trade Directory Entries** Name: Marshall Laundry Location: 10, Marshall Street, London, W1F 7EL Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	500	-	529326 181034
175	**Contemporary Trade Directory Entries** Name: Publicity Arts Location: 8, Marshall Street, London, W1F 7EJ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (SW)	500	-	529326 181034
175	**Contemporary Trade Directory Entries** Name: Production Consultancy Ltd Location: 8, Marshall Street, London, W1F 7BD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	500	-	529326 181034
175	**Contemporary Trade Directory Entries** Name: Total Sofa Meltdown Ltd Location: 8, Marshall Street, London, W1F 7BD Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	500	-	529326 181034
176	**Fuel Station Entries** Name: Store Street Service Station Location: 6 Store Street, Richmond Street, LONDON, WC1E 7DQ Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	372	-	529772 181810
177	**Fuel Station Entries** Name: Clipstone Street Service Station Location: 30, Clipstone Street, London, W1W 5DQ Brand: Unbranded Premises Type: Petrol Station **Status: Closed** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	649	-	529117 181917

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	**Fuel Station Entries** Name: Woburn Place Service Station Location: 3-16 Woburn Place, Coram Street, St Pancras, LONDON, WC1H 0LS Brand: Total Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	867	-	530077 182204

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**Westminster City Council - Environmental Health Department** Council House, Marylebone Road, London, NW1 5PT	Telephone: 020 7641 1317 Fax: 020 7641 1142 Website: www.westminster.gov.uk
3	**London Borough of Camden - Pollution Projects Team** Seventh Floor, Town Hall Extension, Argyle Street, London, WC1H 8EQ	Telephone: 020 7278 4444 Fax: 020 7860 5713 Website: www.camden.gov.uk
4	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
6	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	**London Borough of Camden** Town Hall, Judd Street, London, WC1H 9JE	Telephone: 020 7974 4444 Fax: 020 7974 6866 Email: info@camden.gov.uk Website: www.camden.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.



GEA Geotechnical & Environmental Associates

Groundwater Vulnerability

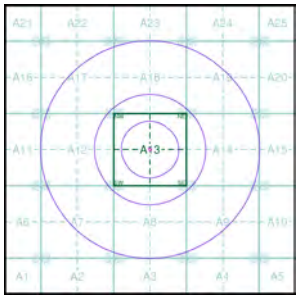
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

GEA Geotechnical & Environmental Associates

Bedrock Aquifer Designation

General

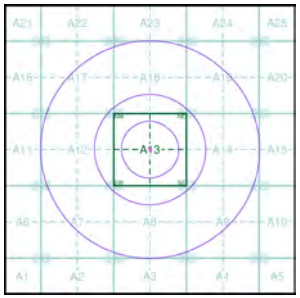
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

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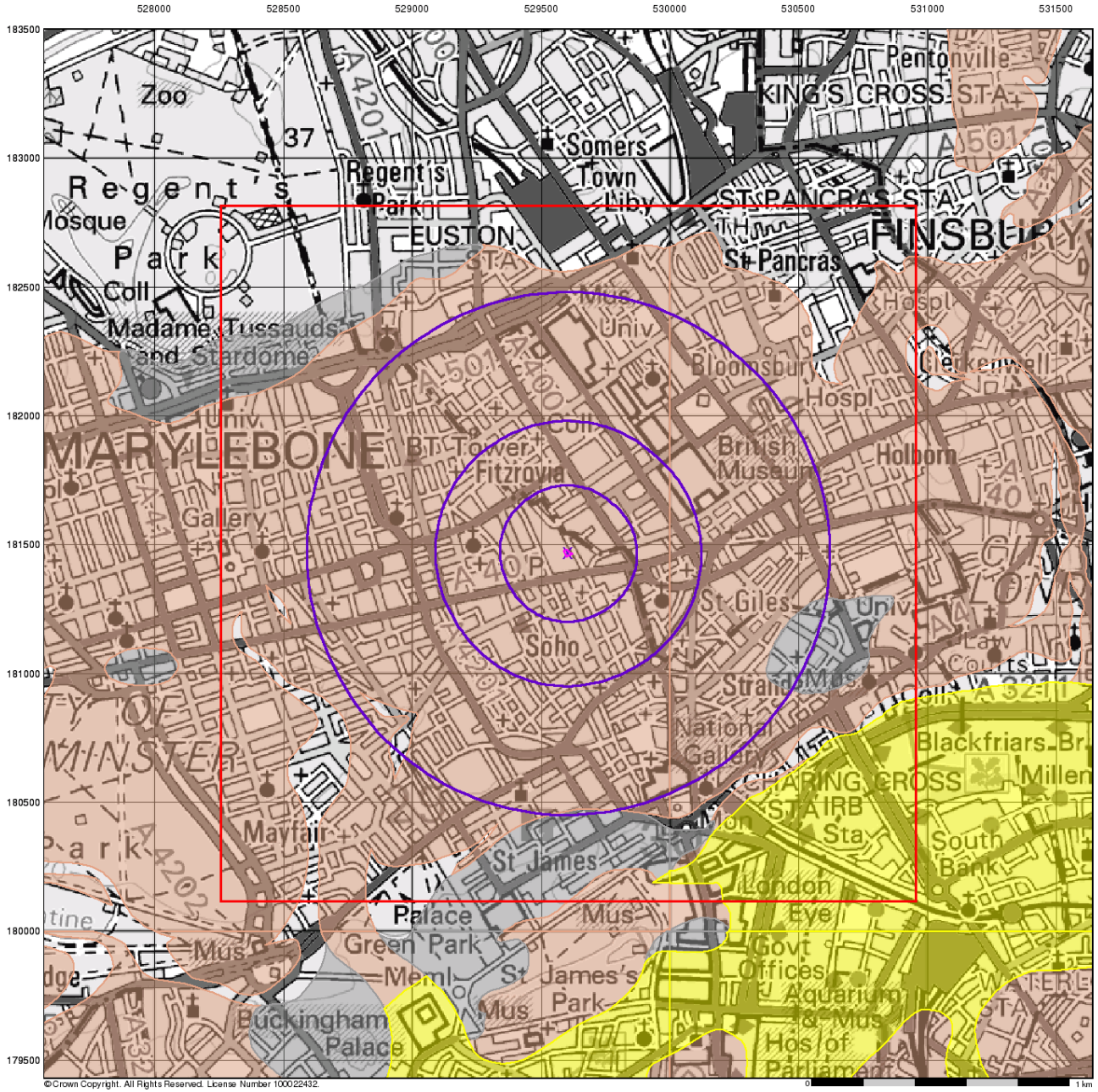
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX



Superficial Aquifer Designation

General

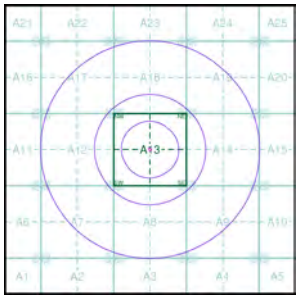
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



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GEA Geotechnical & Environmental Associates

Source Protection Zones

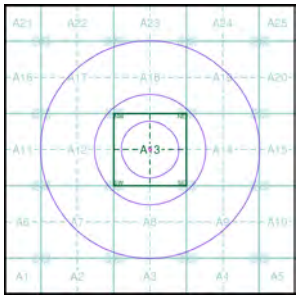
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



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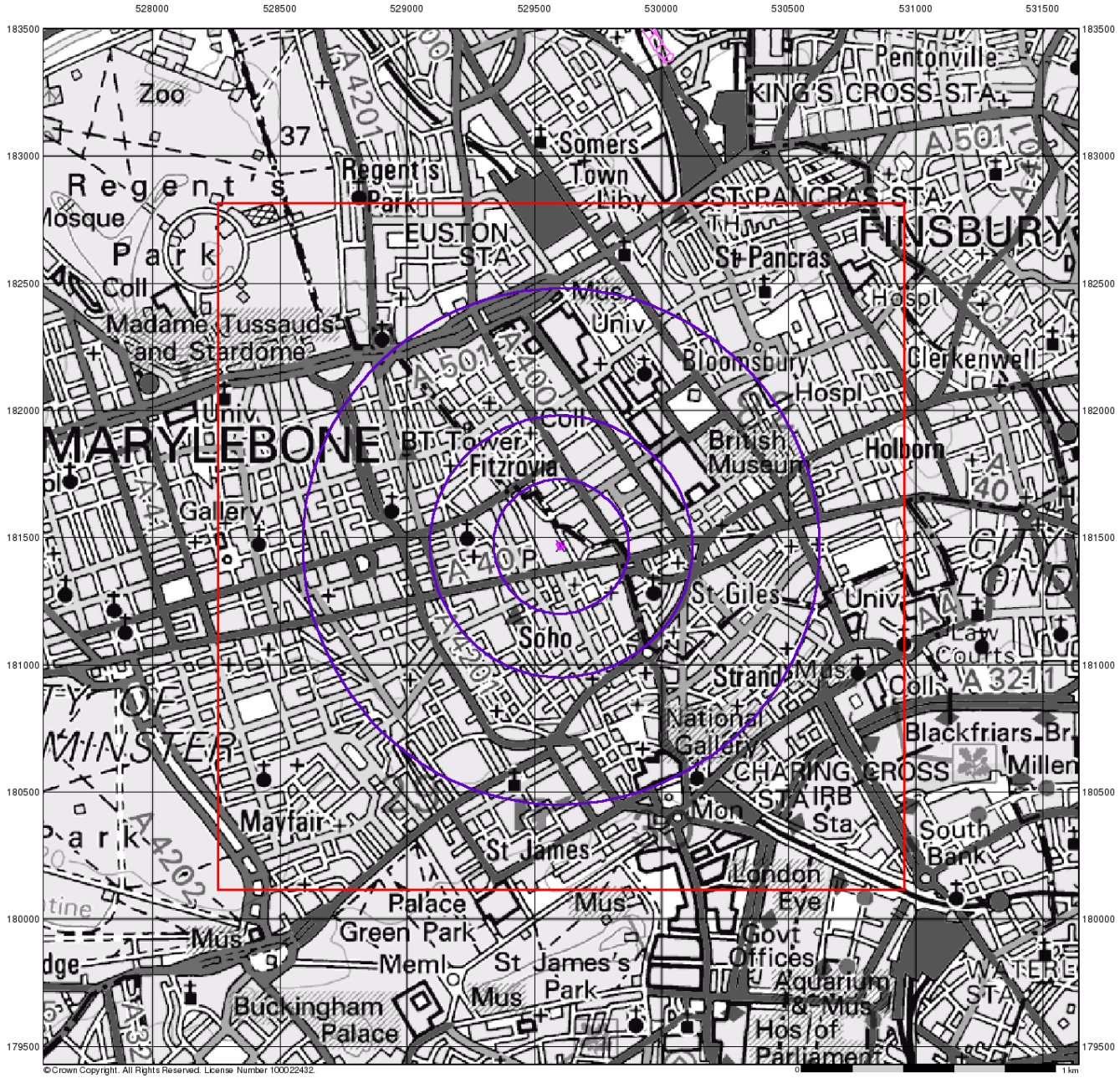


GEA Geotechnical & Environmental Associates

Sensitive Land Uses

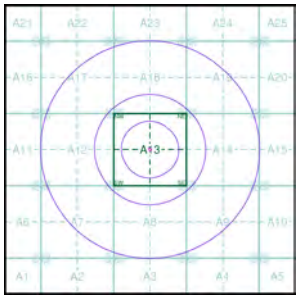
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

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Customer Ref:	J14098
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Slice:	A
Site Area (Ha):	0.05
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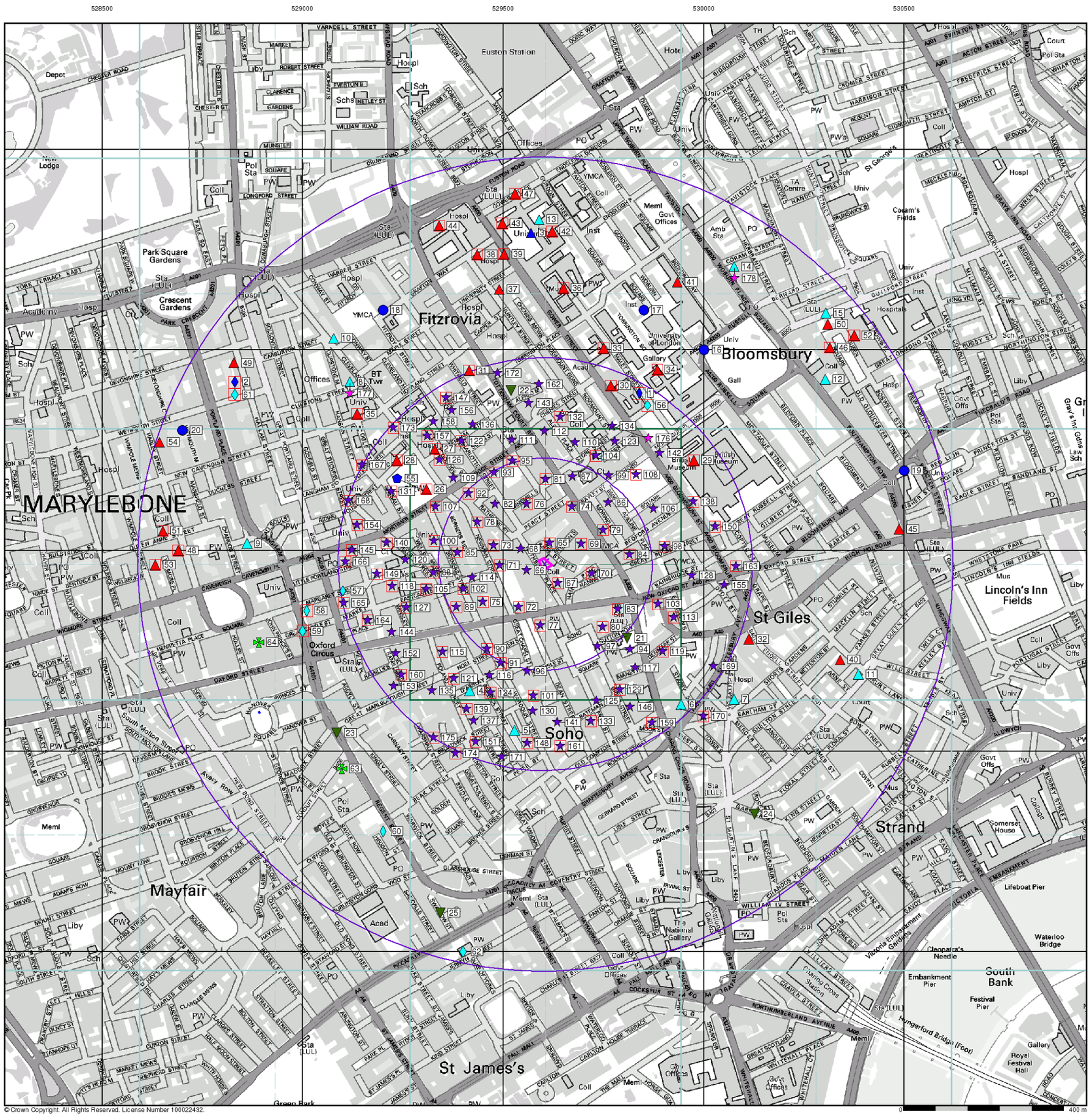


GEA Geotechnical & Environmental Associates

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

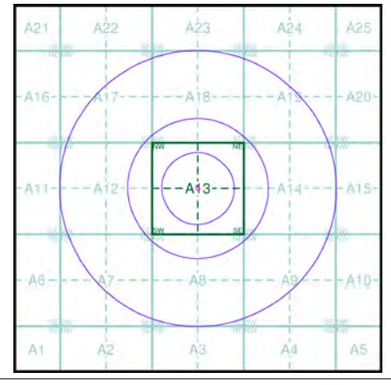
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group

Tel: 0844 844 9952
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GEA Geotechnical & Environmental Associates

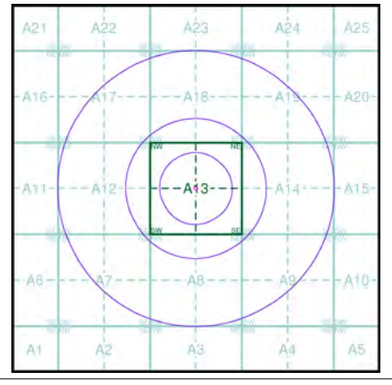
General

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

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



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Site Area (Ha):	0.05
Search Buffer (m):	1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

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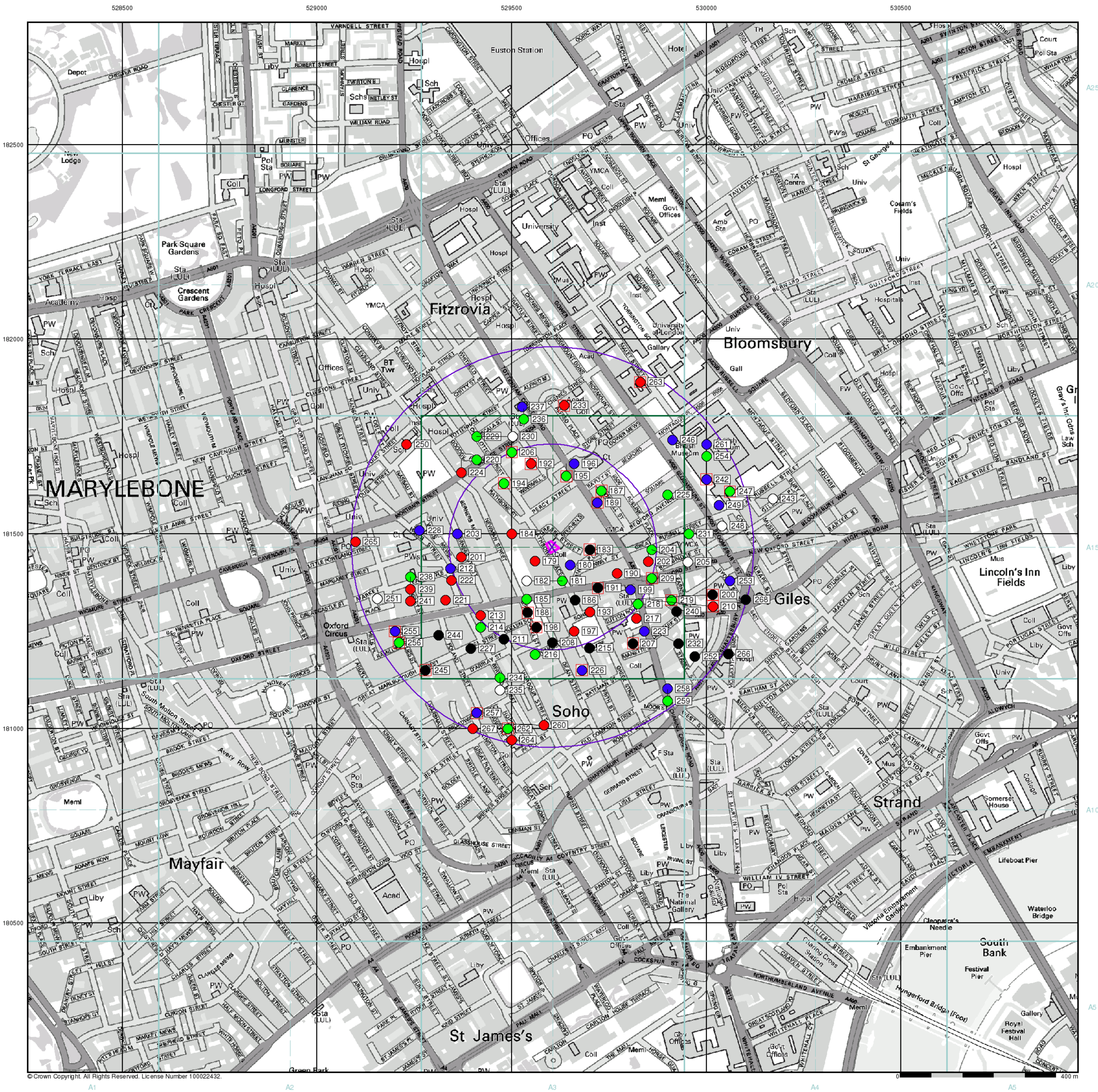

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Geotechnical & Environmental Associates

General

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

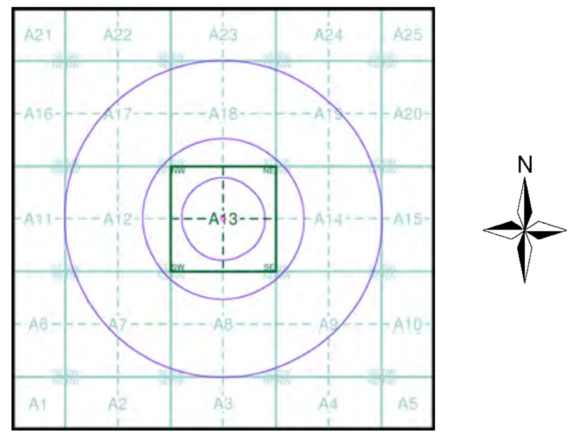
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 55016580_1_1
Customer Ref: J14098
National Grid Reference: 529600, 181470
Slice: A
Site Area (Ha): 0.05
Search Buffer (m): 1000

Site Details

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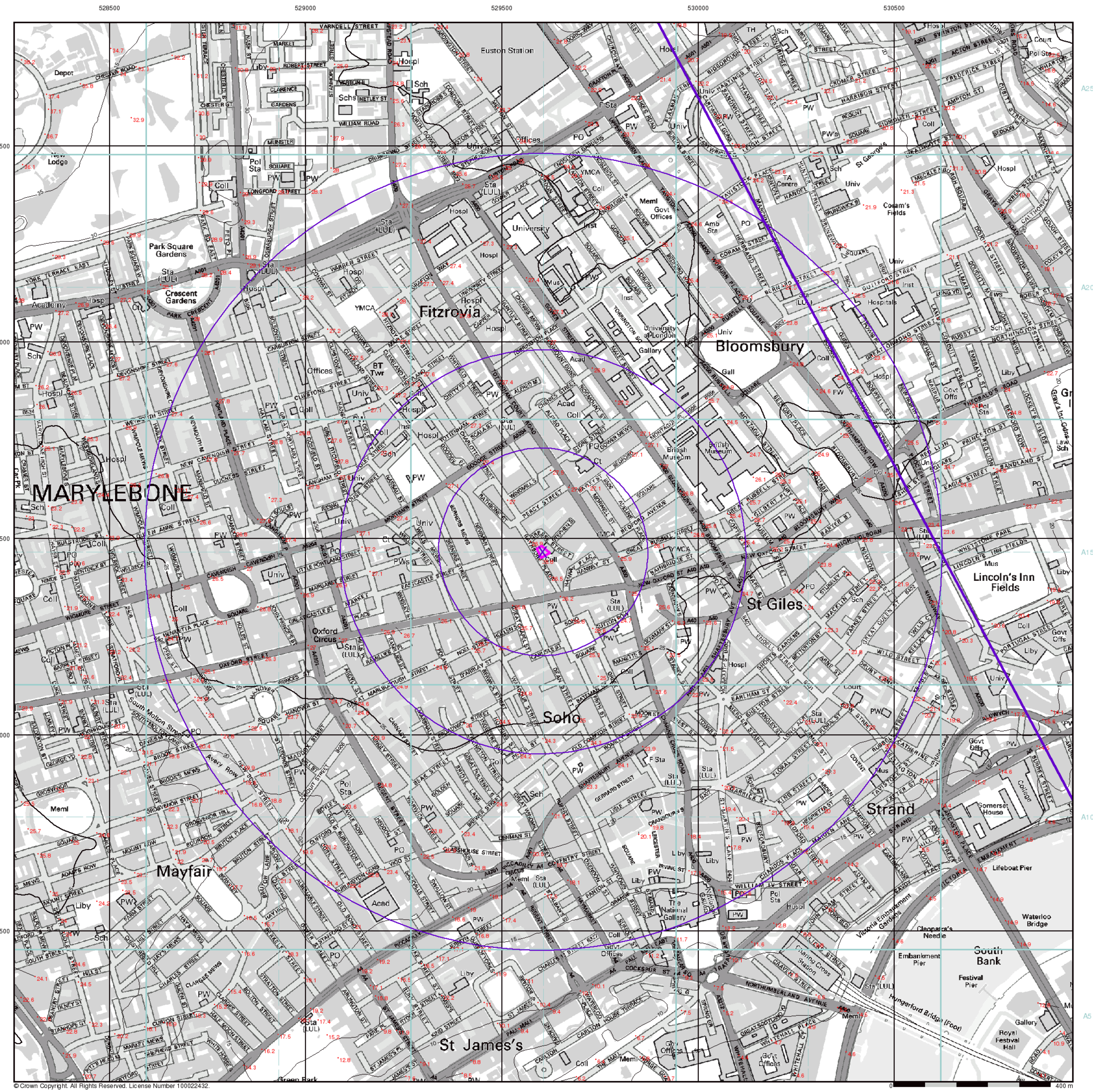


Geotechnical & Environmental Associates

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- 8 Map ID

EA Detailed River Network Data

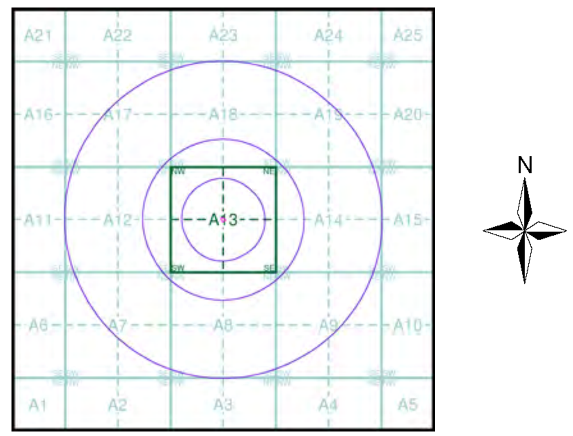
- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m
- Underground River (inferred))
- Underground River (local knowledge
- Downstream of High Water Mark)
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95 — 167.3 Spot Height

Index Contour — 45.8 Air Height

EA Detailed River Network Map - Slice A



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group

Tel: 0844 844 9952
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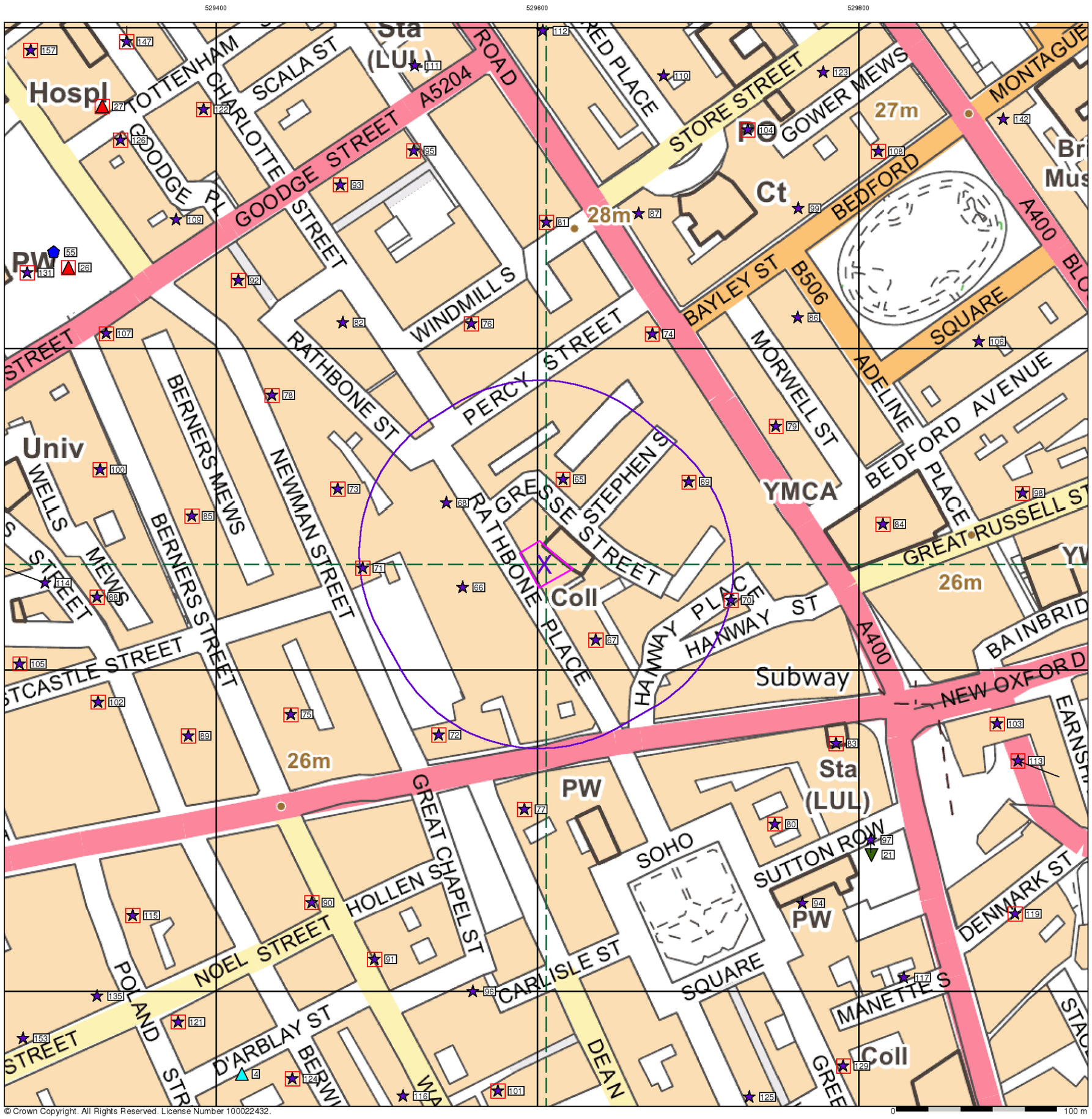
Web: www.envirocheck.co.uk



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0 100 m

GEA Geotechnical & Environmental Associates

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Geological

- BGS Recorded Mineral Site

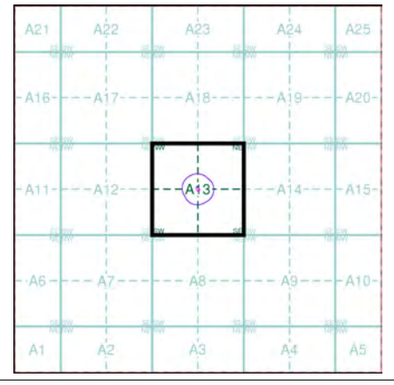
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A13



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05

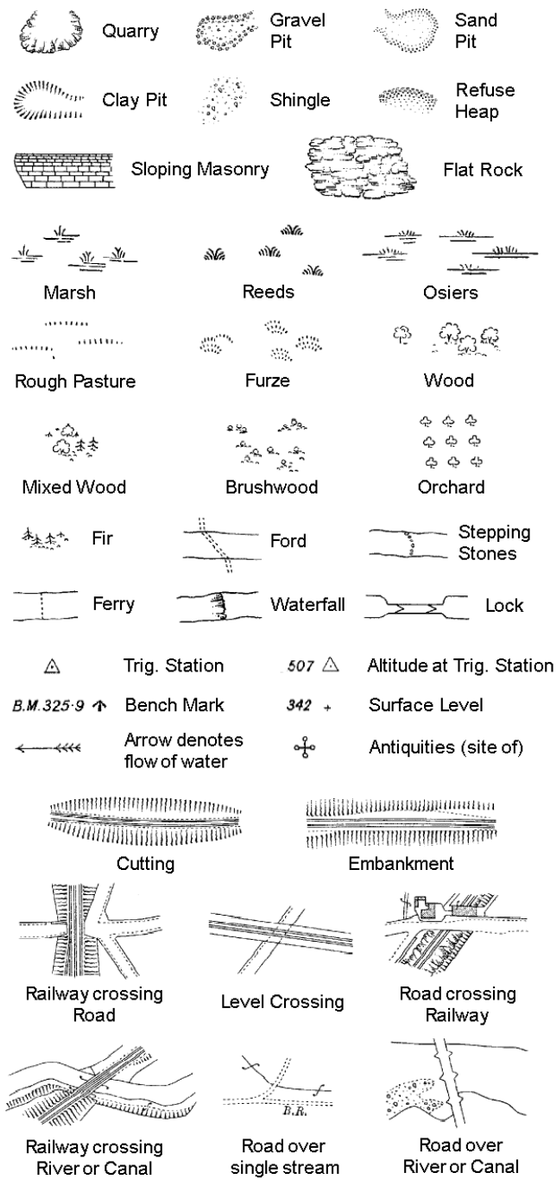
Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

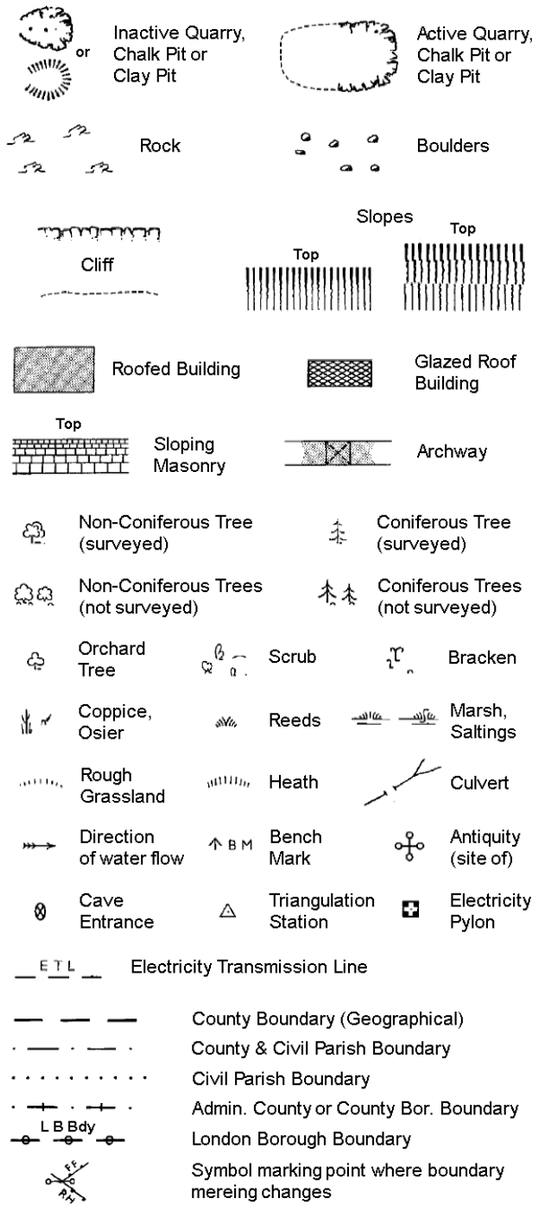
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



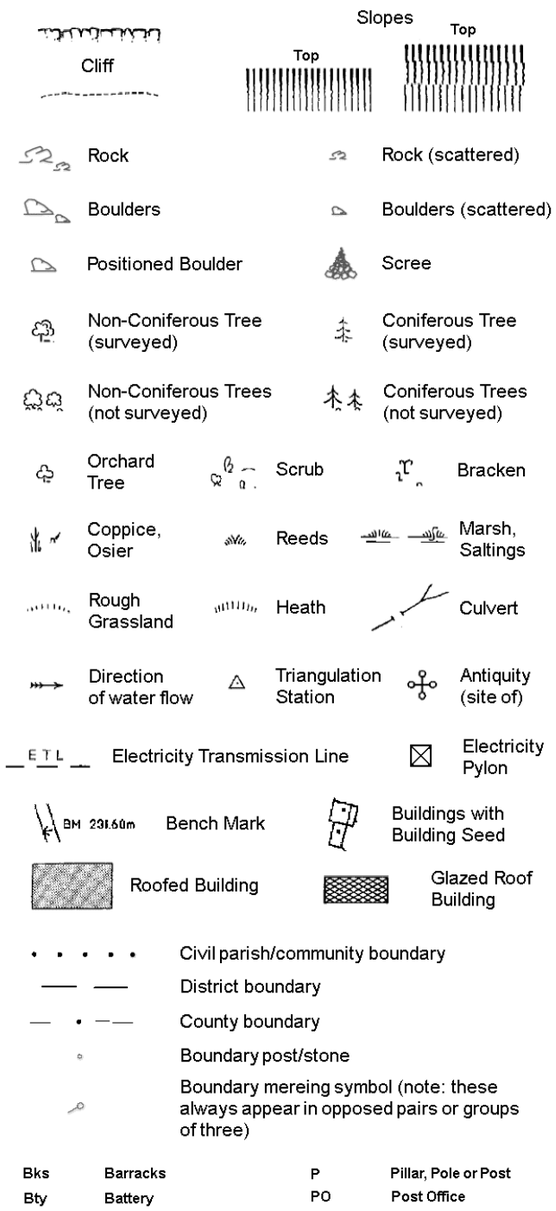
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



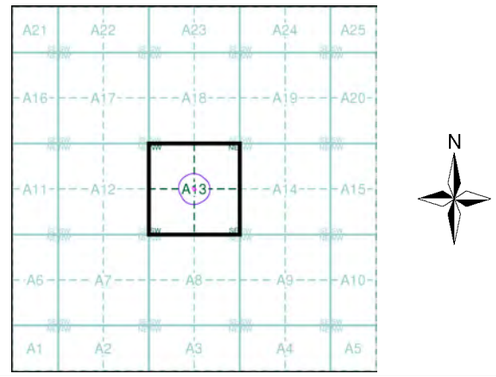
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

GEA Geotechnical & Environmental Associates

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
London	1:2,500	1875	2
London	1:2,500	1896	3
London	1:2,500	1916	4
Historical Aerial Photography	1:1,250	1947 - 1949	5
Ordnance Survey Plan	1:1,250	1953	6
Ordnance Survey Plan	1:2,500	1954	7
Additional SIMs	1:2,500	1954	8
Ordnance Survey Plan	1:1,250	1958 - 1962	9
Additional SIMs	1:1,250	1958 - 1990	10
Ordnance Survey Plan	1:1,250	1966 - 1970	11
Ordnance Survey Plan	1:2,500	1968	12
Ordnance Survey Plan	1:1,250	1973	13
Supply of Unpublished Survey Information	1:1,250	1973	14
Additional SIMs	1:1,250	1986	15
Large-Scale National Grid Data	1:1,250	1991	16
Large-Scale National Grid Data	1:1,250	1991 - 1995	17
Large-Scale National Grid Data	1:1,250	1994	18

Historical Map - Segment A13



Order Details

Order Number: 55016580_1_1
Customer Ref: J14098
National Grid Reference: 529600, 181470
Slice: A
Site Area (Ha): 0.05
Search Buffer (m): 100

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Sloping Masonry
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

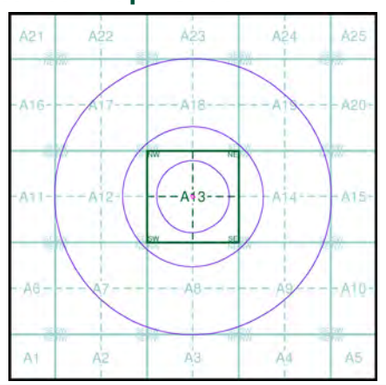
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

GEA Geotechnical & Environmental Associates

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Surrey	1:10,560	1874 - 1880	3
Middlesex	1:10,560	1882	4
London	1:10,560	1896	5
Surrey	1:10,560	1898	6
London	1:10,560	1920	7
London	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1940 - 1951	9
Historical Aerial Photography	1:10,560	1949	10
Ordnance Survey Plan	1:10,000	1957	11
Ordnance Survey Plan	1:10,000	1966 - 1968	12
Ordnance Survey Plan	1:10,000	1972 - 1974	13
Ordnance Survey Plan	1:10,000	1979	14
London	1:25,000	1985	15
Ordnance Survey Plan	1:10,000	1991 - 1995	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2014	18

Historical Map - Slice A



Order Details

Order Number: 55016580_1_1
Customer Ref: J14098
National Grid Reference: 529600, 181470
Slice: A
Site Area (Ha): 0.05
Search Buffer (m): 1000

Site Details

15-18 Rathbone Place, LONDON, W1T 1HX

Landmark Information Group
Tel: 0844 844 9952
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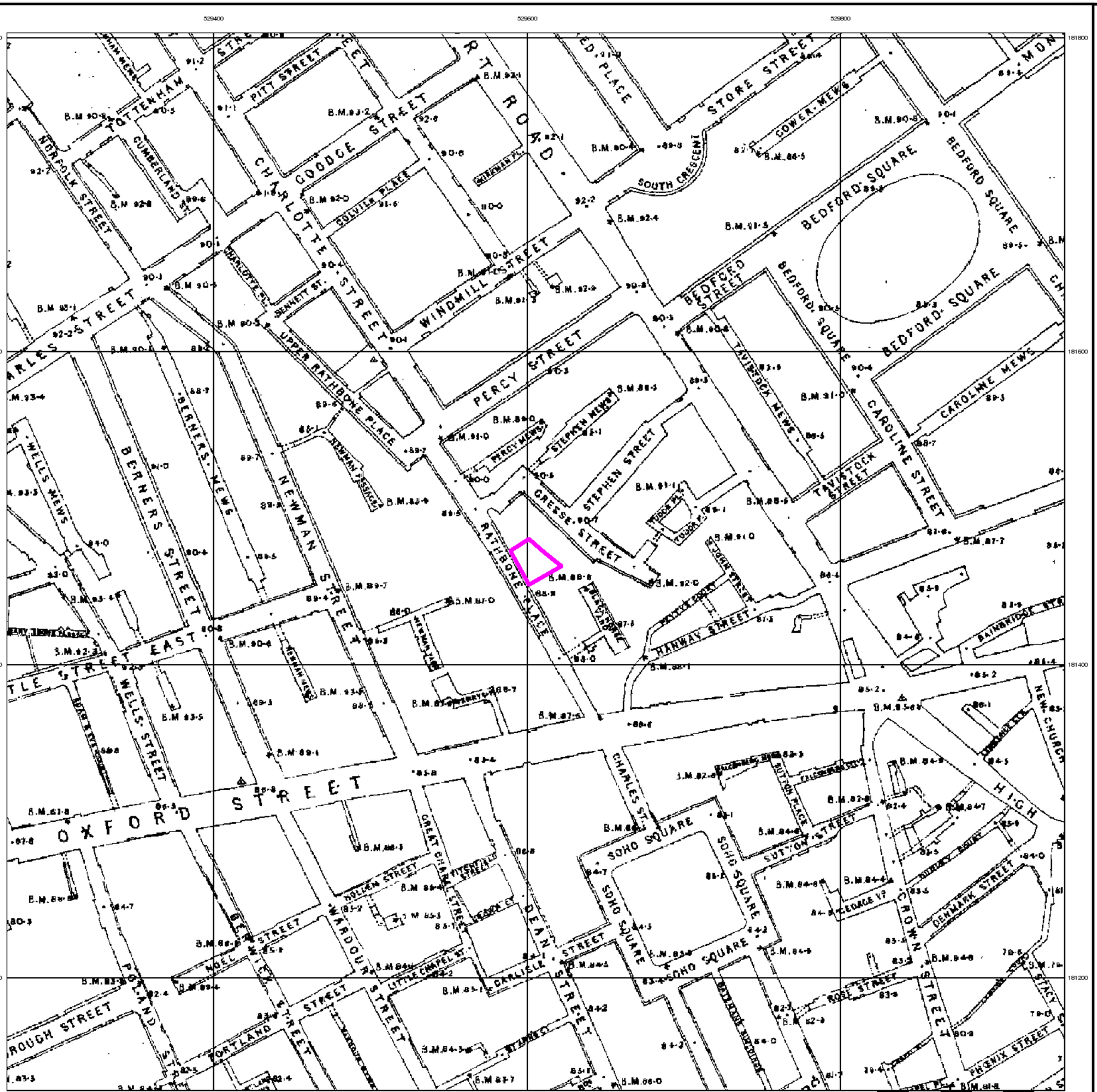


GEA Geotechnical & Environmental Associates

London

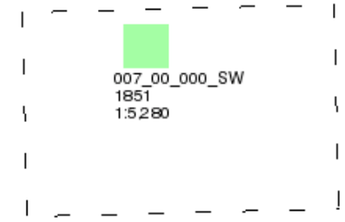
Published 1851

Source map scale - 1:5,280

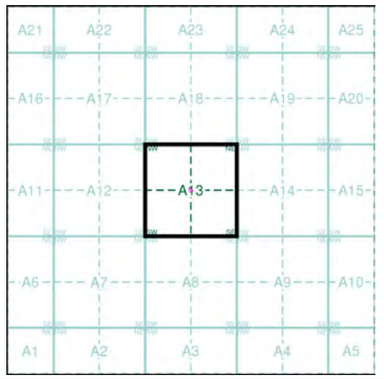
The historical town plans shown derive from Ordnance Survey mapping from the early to mid 1850s. The 1:2640 scale was introduced in the early 1850s, to survey districts covered by the Local Boards of Health and for a map of the Osborne Estate of Queen Victoria. The general style is similar to that of the early 1:2500s published shortly afterwards.
1:5280 scale was surveyed shortly afterwards in the mid 1850s as general purpose mapping with a standard of content similar to the more contemporary 1:10.560 mapping. The scale was also used for a reduction of the 1:1056 'skeleton survey' of London that was undertaken between 1848 and 1850.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	0

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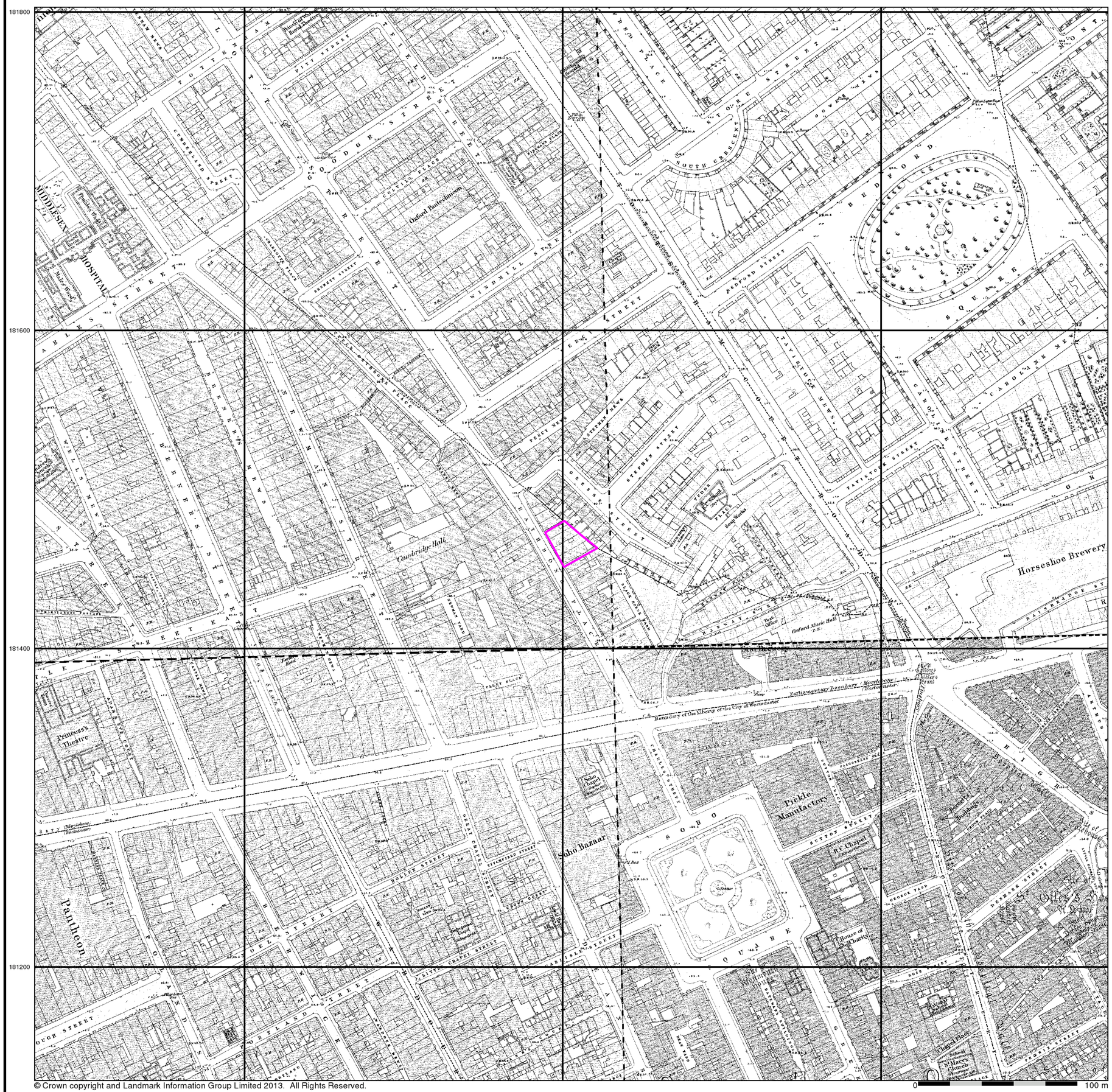


GEA Geotechnical & Environmental Associates

London

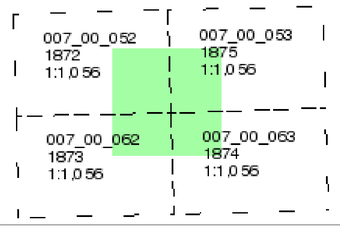
Published 1872 - 1875

Source map scale - 1:1,056

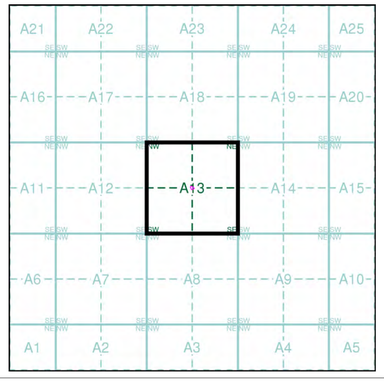
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

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National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	0

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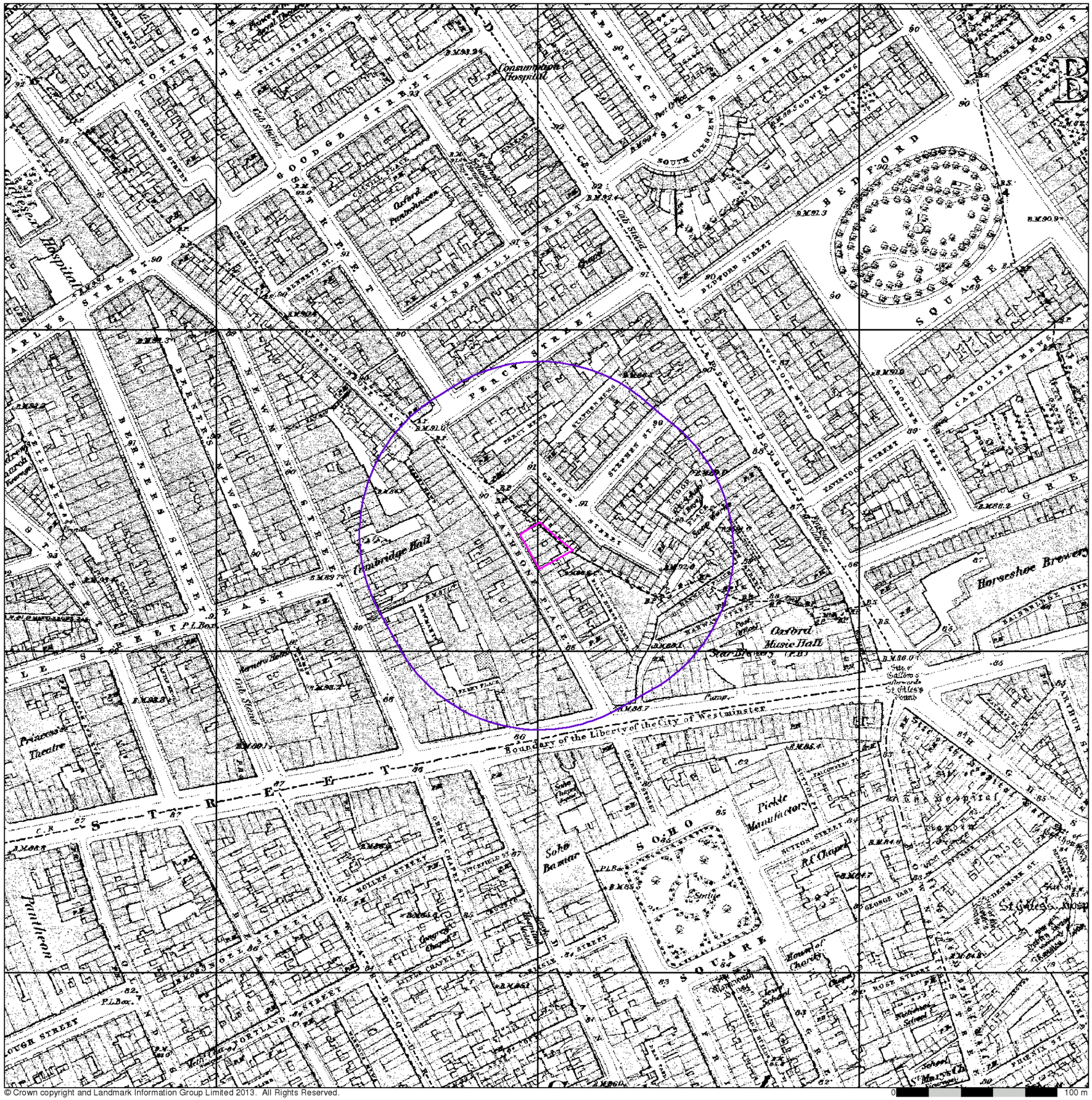


GEA Geotechnical & Environmental Associates

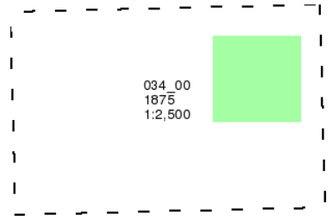
London

Published 1875

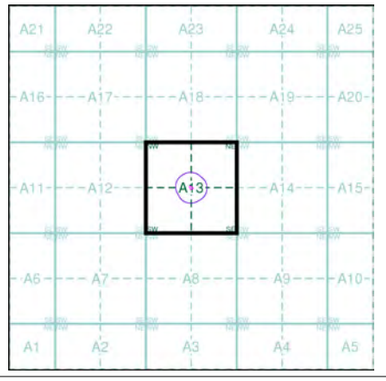
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	55016580_1_1
Customer Ref:	J14098
National Grid Reference:	529600, 181470
Slice:	A
Site Area (Ha):	0.05
Search Buffer (m):	100

Site Details

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