# 64 Avenue Road
# London
# NW8 6HT

## Ground Investigation &
## Basement Impact Assessment

Vivi Shina

September 2024

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Rev 0

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# Contents

# 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 site investigation carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of Michael Barclay Partnership, on behalf of Vivi Shina, with respect to the redevelopment of the site through the construction of a basement and sub-basement beneath part of the rear garden and the footprint of the house as well as a two-storey extension to the rear of the house. It is also proposed to redevelop a pavilion building at the rear of the garden by demolishing the existing building and constructing a single-storey pavilion with an associated basement and plant rooms. The purpose of the investigation has been to determine the ground conditions, to carry out an assessment of ground movements resulting from excavation of the proposed basements, to assess the extent of any contamination and to provide information to assist with the design of the basement structure and suitable foundations. The report also includes information required to comply with London Borough of Camden Planning Guidance (CPG) Basements, relating to the requirement for a Basement Impact Assessment (BIA).

## Site history

The Greenwood historical map from 1830, shows the site to be undeveloped and comprising part of an area of open field with the River Tyburn shown running through the site. Avenue Road is shown in its existing configuration with the wider road network and buildings not yet developed. The next map studied, dated 1866, shows the site established in its current orientation and the River Tyburn is no longer shown, presumably having been culverted and / or diverted. Much of the existing road network and buildings are shown on the map in their existing configuration and St Pauls Church is shown approximately 50 m northwest of the site. The map from 1896 shows a Nursery on the northeast boundary of the site, and the site is shown to be divided into two titles. Elsworthy Road and Wadham Gardens, approximately 80 m south of the site, were constructed some time between 1896 and 1915. The Nursery to the north is no longer shown on the map. Between 1934 to 1936 the site is shown back together as one title with an extension on the northeast corner of the site. Between 1935 and 1953, a number of buildings to the north and west of the site, including the property adjacent on the northwest boundary and St Pauls Church, are shown to have been removed, while those that remain are labelled as 'ruins'. This is likely as a result of damage sustained during World War II bombing. These ruins are shown to have been cleared on the map dated 1960 and to have been redeveloped as existing by the time of the map dated 1969, with Franklin Delano Roosevelt School now shown on the northwest boundary of the site. The site and surrounding area have since remained essentially unchanged.

## Ground conditions

The investigation encountered a maximum of 1.50 m of made ground overlying the London Clay Formation. The made ground comprised layers of pale grey-brown, slightly clayey gravelly sand, with variable amounts of brick, concrete, and flint extending to depths of between 0.40 m and 1.50 m. The London Clay initially comprised firm brown fissured slightly silty clay extending to a depth of 9.80 m, which was in turn underlain by stiff blue grey slightly sandy fissured clay, extending to the full depth investigated, of 20.00 m.

Groundwater was not encountered during the initial investigation. Three groundwater monitoring standpipes were installed across the site and were monitored at two weeks and four weeks after the initial investigation, during which groundwater was measured at a minimum depth of 0.47 m below ground level.

The results of the contamination testing have indicated a single sample of the made ground tested to contain elevated concentrations of benzo(b)fluoranthene, dibenz(a,h)anthracene, soluble sulphate and a marginally elevated concentration of lead.

## Recommendations

Formation level for the proposed basement and sub-basement will be within the stiff clay of the London Clay. Excavations for the proposed basement structure will require temporary support to maintain stability of the surrounding structures and to prevent any excessive ground movements. A concrete raft is understood to be the preferred foundation type and is considered suitable in view of the ground conditions. A contiguous piled wall should be suitable to support the excavation in the temporary and permanent conditions. For the rear pool pavilion, moderate width strip or pad foundations bearing on the stiff London Clay are considered a suitable foundation solution.

Perched water may be encountered towards the base of the made ground, but significant groundwater inflows are not anticipated. The proposed use of tension piles extending into the London Clay to support the raft foundation will also be suitable.

Site workers should adopt suitable precautions when handling soil and areas of new soft landscaping / planting may need to be formed with a cover thickness of imported soils.

## 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.

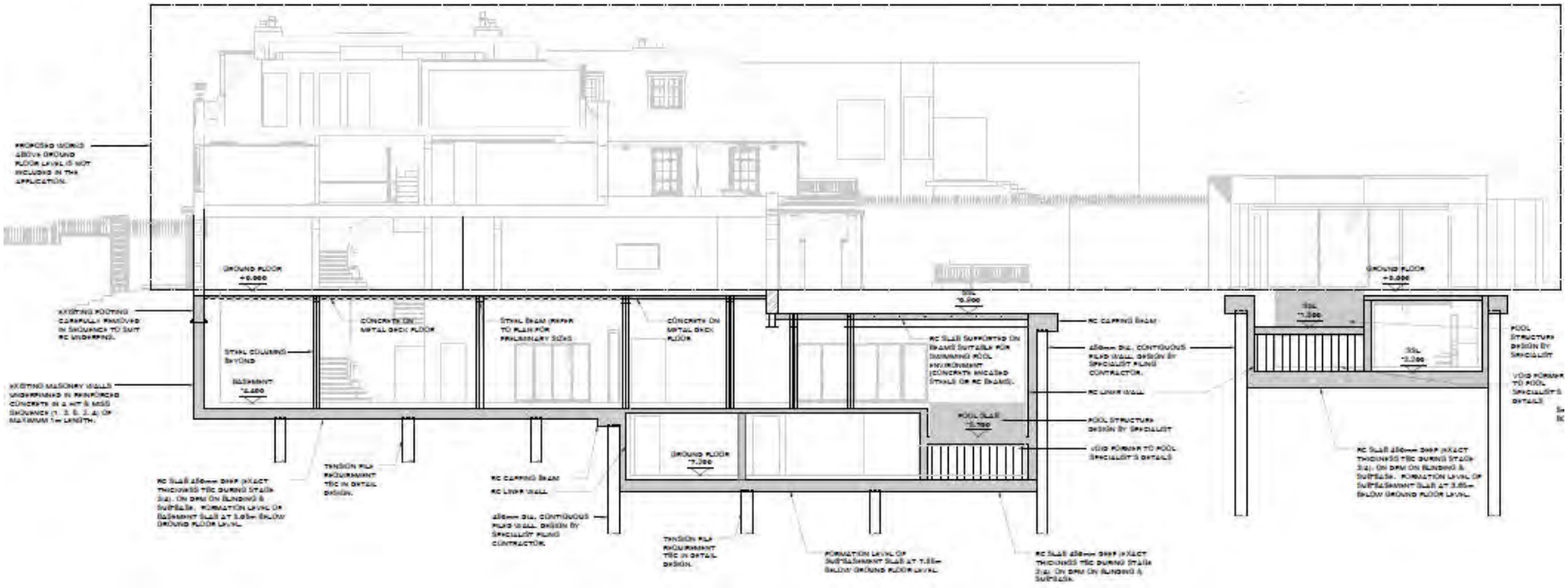
## 1.0 Introduction

Geotechnical and Environmental Associates Limited (GEA) has been commissioned by Michael Barclay Partnership on behalf of Vivi Shina, to carry out a desk study, ground investigation and ground movement assessment at 64 Avenue Road, London NW8 6HT.

This report also forms part of a Basement Impact Assessment (BIA), which 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

As shown in the image below, it is proposed to construct a two-storey extension to the rear of the existing building and a basement below the full footprint of the house and part of the rear garden, which will include a sub-basement towards the rear. The basement will have a formation level of 5.05 m below ground level, while the sub-basement will have a formation level of about 7.85 m below ground level. Where the basement extends outside of the footprint of the house it will be overlain by a 900 mm cover thickness of soil. The basement will include a swimming pool and the sub-basement level will house the associated plant area for the basement swimming pool. It is also proposed to demolish the pavilion building in the rear garden, down to current basement level and deepening the basement to a depth of approximately 3.60 m (44.45 m OD) before constructing a new building. The development also includes the re-levelling of the garden area by reducing the raised garden level by approximately 0.70 m from 48.70 m OD to 48.05 m OD. This report is specific to the proposed development and the advice herein should be reviewed if the development proposals are amended.



## 1.2 Purpose of Work

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

- to check the history of the site with respect to previous contaminative uses;
- to provide an assessment of the risk of encountering unexploded ordnance (UXO);
- to determine the ground conditions and their engineering properties;
- to use the above information to provide recommendations with respect to the design of suitable foundations and retaining walls;
- to assess the impact of the proposed basement on the local hydrogeology, hydrology and stability of the surrounding natural and build environment;
- to provide an indication of the degree of soil contamination present; and
- to assess the risk that any such contamination may pose to the proposed development, its users or the wider environment.

## 1.3 Scope of Work

In order to meet the above objectives, a desk study was carried out, followed by a ground investigation. The desk study comprised:

- a review of historical Ordnance Survey (OS) maps and environmental searches sourced from the Envirocheck database;
- a review of readily available geology maps;
- a walkover survey of the site carried out in conjunction with the fieldwork; and
- a preliminary UXO risk assessment carried out by 1st Line Defence, a specialist in the field.

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

- a single borehole advanced to a depth of 20.00 m by a cable percussion rig;
- five opendrive percussive sampler boreholes advanced to a depth of 5.00 m;
- a single hand excavated trial pit, advanced to a depth of 0.60 m, to provide access to the foundations of the existing structure on the site;
- standard penetration tests (SPTs) carried out at regular intervals within the boreholes to provide quantitative data on the strength of the soils;
- the installation of three groundwater monitoring standpipes to depths of 5.00 m, and two subsequent monitoring visits;
- 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.

This report includes a contaminated land assessment which has been undertaken by a suitably qualified and competent professional in accordance with the methodology presented by the Environment Agency in their Land contamination risk assessment (LCRM)[1] published 19 April 2021. This involves identifying, making decisions on, and taking appropriate action to deal with, land contamination in a way that is consistent with government policies and legislation within the United Kingdom. Risk management is divided into three stages; Risk Assessment, Options Appraisal and Remediation, and each stage comprises three tiers. The Risk Assessment stage includes preliminary risk assessment (PRA), generic quantitative risk assessment (GQRA) and detailed quantitative risk assessment (DQRA) and this report includes the PRA and GQRA.

The exploratory methods adopted in this investigation have been selected on the basis of the constraints of the site including but not limited to access and space limitations, together with any budgetary or timing constraints. Where it has not been possible to reasonably use an EC7 compliant investigation technique a practical alternative has been adopted to obtain indicative soil parameters and any interpretation is based upon engineering experience, local precedent where applicable and relevant published information.

[1] https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm

### 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 (LBC) Planning Guidance CPG[2] and their Guidance for Subterranean Development[3] 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

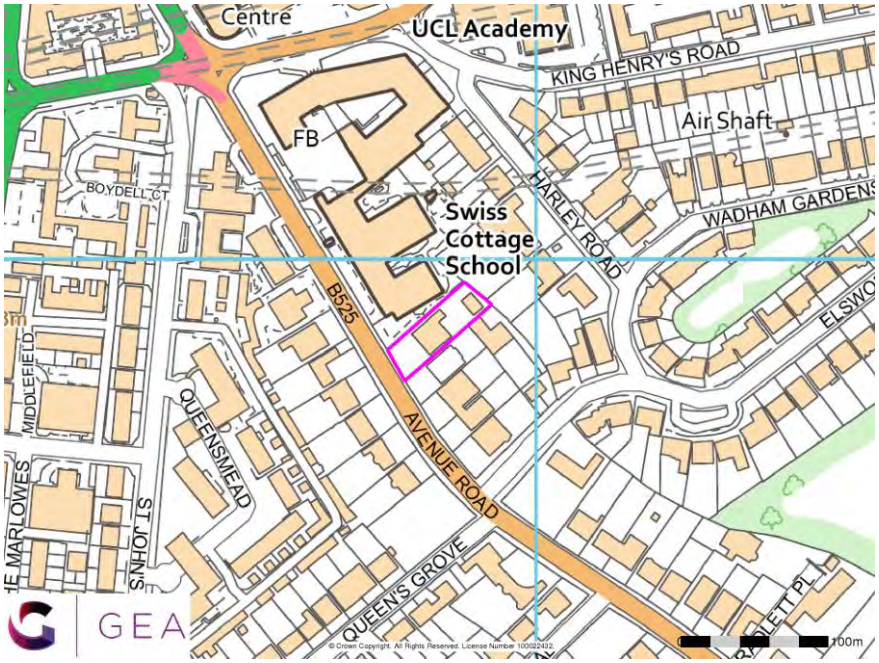
The land stability element of the Basement Impact Assessment (BIA) has been carried out by Martin Cooper, a BEng in Civil Engineering, a chartered engineer (CEng), member of the Institution of Civil Engineers (MICE), and Fellow of the Geological Society (FGS) who has over 20 years' specialist experience in ground engineering. The subterranean (groundwater) flow assessment has been carried out by Nick Mannix, 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.

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.

# 2.0 The Site

## 2.1 Site Description

The site is located in London Borough of Camden, approximately 520 m to the east of South Hampstead London Underground Station and 620 m northeast of Saint John's Wood London Underground Station. It fronts onto and is accessed from Avenue Road to the southwest and is bounded by Swiss Cottage School to the northwest and similar residential properties with gardens to the southeast and northeast. The site may be additionally located by National Grid Reference 526933, 183950 and is shown on the map extract below.




2 London Borough of Camden Planning Guidance CPG (January 2021) *Basements*

3 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010

A walkover of the site was carried out by a geotechnical engineer from GEA at the time of the fieldwork. The site is rectangular in shape and measures approximately 75 m northeast to southwest by 25 m northwest to southeast and is essentially level. The site is occupied by a 100 $m^2$ three-storey house located centrally on the site, with an extension on the northeast side. A flagstone patio area and raised garden are also located on the northeast side of the house with a 50 $m^2$ pool house that covers the majority of the northeast corner. An 8 m tall tulip poplar tree is present near the southeast corner of the house within the patio area and a large approximately 25 m tall oak tree is present near the southwest corner of the house, in the driveway. The site is accessed by a paved driveway at the western corner of the site from Avenue Road, and the driveway and paved hardstanding cover the majority of southwest portion of the site.

### 2.1.1 Nearby Basement Structures

A search of planning records held by the London Borough of Camden, has indicated that a number of planning applications for basement developments have been registered for properties within 10 m of the site, details of which are listed in the table below.

| Location | Application Number | Date of Consent | Details |
|---|---|---|---|
| 62 Avenue Road | 2011/5539/P | June 2012 | Erection of building comprising sub-basement, basement, two storeys and roof level to provide a single-family dwellinghouse (Class C3) (following demolition of the existing building). |
| 62 Avenue Road | 2012/6103/P | August 2013 | Variation of condition 2 (approved drawings) of planning permission dated 14/05/12 (ref 2011/5539/P) for erection of building comprising sub-basement, basement, two storeys and roof level to provide a single-family dwellinghouse (Class C3) (following demolition of the existing building), including elevational changes to materials, doors and windows; removing the lightwell to the side elevation and altering the front lightwell; an increase in roof height; and extension of basement, and associated works. |
| 62 Avenue Road | 2016/4931/P | May 2017 | Erection of a 2 storey, single family dwellinghouse (Class C3) with basement and accommodation in the roof space, following the demolition of the existing main dwellinghouse |
| 62 Avenue Road | 2019/2450/P | September 2019 | Details of hard and soft landscaping required by condition 8 and details of suitably qualified engineer to oversee the basement works required by condition 11 of planning permission 2016/4931/P, dated 15/03/2017 (for: replacement dwelling) |
| 62 Avenue Road | 2019/5573/P | June 2011 | Variation of condition 2 (approved plans) of planning permission 2016/4931/P, dated 15/03/2017 (as amended by 2019/3045/P, dated 18/10/2019) (for: replacement dwelling), namely to alter the basement. |
| 62 Avenue Road | 2021/6244/P | July 2022 | Details of the condition 5 (external mechanical plant) of planning permission 2019/5573/P, dated 01/05/2020 for: alterations to the basement, as an amendment for 2019/3045/P, dated 18/10/2019) (for: replacement dwelling. which itself amended 2016/4931/P, dated 15/03/2017 for erection of a 2 storey, single family dwellinghouse (Class C3) with basement and accommodation in the roof space, following the demolition of the existing main dwellinghouse. |
| 62 Avenue Road | 2021/6241/P | August 2022 | Variation of condition 1 (approved plans) and condition 7 (hard and soft landscaping) of planning permission 2019/5573/P, dated 01/05/2020, which itself amended 2016/4931/P, dated 15/03/2017 (as also amended by 2019/3045/P, dated 18/10/2019) (for: replacement dwelling), namely to allow an additional dormer window on side elevation, repositioning of the 2 consented dormer windows on the side elevation, installation of 5 additional skylights at roof level, repositioning of basement roof light at ground level, erection of service enclosure above the basement exit and a pergola over the existing stairs to the basement in the rear garden. |
| 62 Avenue Road | 2022/2433/P | June 2022 | Amendment to planning permission 2019/5573/P dated 01.05.2020 for Variation of condition 2 (approved plans) of planning permission 2016/4931/P, dated 5/03/2017 as amended by 2019/3045/P, dated 18/10/2019 for: replacement dwelling, (namely to alter the basement). Namely, installation of storage & bin store in front garden, stone piers either side of front elevation railings, revised portico design, French doors added to portico, enlargement of windows on north-western elevation and addition of window above door on north-western side elevation. |

## 2.2 Site History

The site history has been researched by reference to internet sources and historical Ordnance Survey (OS) maps obtained from the Envirocheck database.

The Greenwood historical map from 1830, shows the site to be undeveloped and comprising part of an area of open field with the River Tyburn shown running through the site. Avenue Road is shown in its existing configuration with the wider road network and buildings not yet developed.

The next map studied, dated 1866, shows the site established in its current orientation and the River Tyburn is no longer shown, presumably having been culverted and / or diverted. Much of the existing road network and buildings are shown on the map in their existing configuration and St Pauls Church is shown approximately 50 m northwest of the site.

The map from 1896 shows a Nursery on the northeast boundary of the site, and the site is shown to be divided into two titles.

Elsworthy Road and Wadham Gardens, approximately 80 m south of the site, were constructed some time between 1896 and 1915. The Nursery to the north is no longer shown on the map.

Between 1934 to 1936 the site is shown back together as one title with an extension on the northeast corner of the site.

Between 1935 and 1953, a number of buildings to the north and west of the site, including the property adjacent on the northwest boundary and St Pauls Church, are shown to have been removed, while those that remain are labelled as 'ruins'. This is likely as a result of damage sustained during World War II bombing. These ruins are shown to have been cleared on the map dated 1960 and to have been redeveloped as existing by the time of the map dated 1969, with Franklin Delano Roosevelt School now shown on the northwest boundary of the site. The site and surrounding area have since remained essentially unchanged.

## 2.3 Other Information

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 landfill, waste management or waste transfer sites located within 1 km of the site and no areas of potentially infilled land or water are located within 500 m of the site.

No pollution incidents to controlled waters have been recorded within 700 m of the site and the site is not located within a nitrate vulnerable zone or any other sensitive land use.

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 Preliminary UXO Risk Assessment

A Preliminary UXO Risk Assessment has been completed by 1st Line Defence (report ref PA20173-00, dated June 2024), and the report is included in the appendix. The risk assessment has been carried out in accordance with the guidelines provided by CIRIA , which state that the likelihood of encountering and detonating UXO below a site should be assessed along with establishing the consequences that may arise. The first phase comprises a preliminary risk assessment, which should be undertaken at an early stage of the development planning. If such an assessment identifies a high level of risk then a detailed risk assessment should be carried out by a UXO specialist, which will identify an appropriate course of action with regard to risk mitigation.

The report indicates that, during World War II (WWII), the site was located within the Metropolitan Borough of Hampstead, which sustained a very high bomb density. According to London Bomb Census mapping, an incendiary concentration is recorded over the general site area and damage mapping shows that the property on site sustained 'Blast damage, minor in nature.' However, no high explosive bombs are recorded on, or immediately surrounding the site. London County Council bomb damage mapping and aerial photography dated 1946 corroborates the lack of bombing on the site, evidencing no damage. As a result, a minimal risk of encountering unexploded ordnance has been identified for the site and no further action is recommended in this respect.

## 2.4 Geology

The British Geological Survey (BGS) map of the area indicates the site is directly underlain by the London Clay. According to the BGS memoir, the London Clay is homogenous, slightly calcareous silty clay to very silty clay, with some beds of clayey silt grading to silty fine-grained sand. An area of Head propensity is detailed on the map within 100 m to the east of the site. According to the BGS map, dated 2006, the Head propensity is based on the geotechnical properties of the London Clay and Head may occur close to the Claygate Member / London Clay boundary. Head propensity is shown on the BGS map as areas denoted as most likely to be covered by Quaternary Head Deposits as interpreted from digital slope analysis and confirmed by borehole data.

GEA has previously carried out a ground investigation at No 70 Elsworthy Road, located immediately adjacent to the southwest of the site. The investigation confirmed the expected ground conditions in that, beneath a moderate thickness of made ground, London Clay was encountered and proved to the full depth of the investigation of 15.00 m. The made ground extended to depths of between 0.75 m and 1.20 m. The London Clay Formation initially comprised soft to stiff light brown mottled orange-brown mottled grey clay extending to a maximum depth of 5.00 m, below which stiff brown clay was encountered and extended to a depth of 12.00 m. This was underlain by stiff dark grey slightly silty fissured clay, extending to the full depth of investigation of 15.00 m.

## 2.5 Hydrology and Hydrogeology

The London Clay is classified as Unproductive Strata (formerly Non-Aquifer), referring to rock layers or drift deposits with low permeability and that have negligible significance for water supply or river base flow.

As the London Clay is likely to comprise predominantly clay soils, it cannot support groundwater flow over any significant distance, nor can it be considered to support a "water table" or continuous piezometric surface. Boreholes constructed within clays do fill with water, due to the often high water content of shallow clays draining into the standpipe or by the collection of surface water drainage, which is unable to drain through the clay; however, this is not reflective of the type of groundwater flow that would occur in a porous and permeable saturated stratum.

The permeability of the weathered London Clay will be predominantly secondary, through fissures in the clay. Published data indicates the horizontal permeability of the London Clay to generally range between 1 x $10^{-11}$ m/s and 1 x $10^{-9}$ m/s.

Groundwater was not encountered during the aforementioned GEA investigation, however groundwater was recorded within the standpipes at depths of 0.30 m and 3.00 m in BH3 and BH4 respectively during the subsequent monitoring visits.

The nearest surface water feature is located 386 m to the northwest of the site.

The site is located within a Groundwater Source Protection Zone (SPZ) (Zone II – outer protection zone), classified as either 25% of the source area or a 400-day travel time, whichever is greater. The SPZ is likely to be associated with a public water supply from the Chalk Aquifer which is confined by the London Clay at a depth greater than 50 m. There is no hydraulic continuity between the London Clay and the Chalk aquifer at depth. The nearest water abstraction point is located 283 m to the northwest of the site.

The EA surface water flood map shows the site is at no risk of surface water flooding.

Figure 11 of the Arup report and reference to the Lost Rivers of London[4] indicates that the nearest lost river is a tributary of the River Tyburn, which formerly flowed south from its source in the Belsize Park area, crossing the rear half of the site, but now is thought to flow through a culvert which may have become part of London's sewer system.

The majority of the rear of the site is covered by grass and a small stand of trees and as such, infiltration of rainwater is largely unimpeded in this area. However, the underlying clay will limit further infiltration, therefore resulting in a high proportion of runoff. The front of the property is approximately 50% covered by tarmac, such that infiltration of rainwater is generally restricted to surface water drains, and as such the majority of surface runoff currently drains into combined sewers in the road. As the development will only result in a marginal change to the present conditions, i.e., through a minimal loss of soft covered areas, there will not be a significant increase in runoff rate or volume into the existing sewer system, or that could have a potentially adverse impact on the surrounding area. There should not, therefore, be any requirement for any mitigation measures.

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

## 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 desk study findings indicate that the site does not have a potentially contaminative history as it has been developed with the existing house for its entire developed history.

No sources of soil gas have been identified on site or in the surrounding area.

### 2.6.2 Receptor

The proposed redevelopment of the site for continued use as a house will result in the end users representing relatively high sensitivity receptors. Buried services are likely to come into contact with any contaminants present within the soils through which they pass, and site workers are likely to come into direct contact with any contaminants present in the soil. Groundwater at depth is considered to be minor receptor but shallow perched groundwater and adjacent sites are considered to be moderately sensitive receptors.

### 2.6.3 Pathway

The presence of negligibly permeable London Clay will limit the potential for groundwater to percolate into the underlying chalk, and thus a pathway is not considered likely to exist to the major aquifer. Within the site, end users will be isolated from direct contact with any contaminants present within the made ground by the presence of the buildings and the extent of the hardstanding. Buried services may be exposed to any contaminants present within the soil through direct contact and site workers will come into direct contact with the soils during construction works. There is thus considered to be a low potential for a contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

### 2.6.4 Preliminary Risk Appraisal

On the basis of the above it is considered that there is a LOW risk of there being a significant contaminant linkage at this site which would result in a requirement for major remediation work. Furthermore, as there is no evidence of filled ground within the vicinity of the site and no landfill sites, there is not considered to be a significant potential for hazardous soil gas to be present on or migrating towards the site.

# 3.0 Screening

The Camden planning guidance suggests that any development proposal that includes a basement should be screened to determine whether or not a full BIA is required.

## 3.1 Screening Assessment

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.

### 3.1.1 Subterranean (groundwater) Screening Assessment

| Question | Response for 64 Avenue Road |
|---|---|
| 1a. Is the site located directly above an aquifer? | No. The site is underlain by the London Clay which is designated as Unproductive Strata by the Environment Agency and cannot store and transmit water in sufficient quantities to support groundwater abstractions or watercourses. |
| 1b. Will the proposed basement extend beneath the water table surface? | No. The London Clay cannot support groundwater flow and cannot therefore support a water table consistent with a permeable water bearing strata. |
| 2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line? | No. |
| 3. Is the site within the catchment of the pond chains on Hampstead Heath? | No. Topographical maps acquired as part of the desk study and Figures 12 and 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 building and hard surfacing will cover the same proportion of the site as previous. The low permeability of the underlying London Clay would result in a low recharge in any case and consequently there would be little or no effect on groundwater. |
| 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. Given that the site is underlain by clay soils and is unlikely to be suitable for a soakaway or similar SUDS based system, the site drainage will therefore be directed to public sewer. Site drainage will therefore be designed to generally maintain the existing situation. |
| 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 groundwater dependent ponds or spring lines present within 500 m of the site. |

The above assessment has not identified any potential issues.

### 3.1.2 Stability Screening Assessment

| Question | Response for 64 Avenue Road |
|---|---|
| 1. Does the existing site include slopes, natural or manmade, greater than 7°? | No, as indicated on the Slope Angle Map Fig 16 of the Arup report. |
| 2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°? | No. The site is not to be significantly re-profiled as part of the development. |
| 3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°? | No. As indicated on the Slope Angle Map Fig 16 of the Arup report. |
| 4. Is the site within a wider hillside setting in which the general slope is greater than 7°? | No. As indicated on the Slope Angle Map Fig 16 of the Arup report. |
| 5. Is the London Clay the shallowest strata at the site? | *Yes. As indicated on the geological map 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? | *Yes. A single tree is to be felled as part of the development in the east of the paved patio area.* |
| 7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site? | *Yes. The area is prone to these effects as a result of the presence of shrinkable London Clay.* |
| 8. Is the site within 100 m of a watercourse or potential spring line? | No. |
| 9. Is the site within an area of previously worked ground? | No. The geological map of the area and Figures 3, 4 and 8 of the Arup report do not indicate any worked ground. |

| Question | Response for 64 Avenue Road |
|---|---|
| 10a. Is the site within an aquifer? | No. The site is underlain by the London Clay which is designated as Unproductive Strata by the Environment Agency and cannot store and transmit usable amounts of water. |
| 10b. Will the proposed basement extend beneath the water table such that dewatering may be required during construction? | No. |
| 11. Is the site within 50 m of Hampstead Heath ponds? | No. |
| 12. Is the site within 5 m of a highway or pedestrian right of way? | No. the site fronts on to Avenue Road, the proposed basement is located over 16 m away from the public footway and roads. |
| 13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties? | *Yes. One of the neighbouring properties has a basement of unknown depth. A ground movement analysis has been completed as part of this investigation to predict the likely movements as a result of the excavation. This is reported in Part 3.0 of this report.* |
| 14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines? | No. |

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

Q5 The London Clay is the shallowest strata beneath the site.
Q6 A single tulip poplar is to be felled as part of the development.
Q7 The site is in an area likely to be affected by seasonal shrink-swell.
Q13 The development will significantly increase the differential depth of foundations relative to neighbouring properties.

### 3.1.3 Surface Flow and Flooding Screening Assessment

| Question | Response for 64 Avenue Road |
|---|---|
| 1. Is the site within the catchment of the pond chains on Hampstead Heath? | No. Figure 14 of 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. Any additional surface water from the increase hardstanding area will be attenuated and discharged into the Thames Water sewers to ensure the surface water flow regime will be unchanged. The basement will mainly be beneath the footprint of the proposed building, and the 1m distance between the roof of the basement and ground surface as recommended by section 3.2 of the CPG Basements 2021 does not apply across these areas. Where the basement extends outside of the footprint of the overlying building, typically a 1 m distance between the roof of the basement and ground surface will be present. |
| 3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas? | *Yes. The front and rear lightwells and refurbished garden pavilion building will extend across existing permeable 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? | No. The use of SUDS attenuation to control how water is stored from additional hardstanding areas will result in no changes to the profile of inflows entering the ground. The proposed attenuation size should be based upon peak surface water flows and discharge rates. |
| 5. Will the proposed basement result in changes to the quality of surface water being received by adjacent properties or downstream watercourses? | No. The proposal 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. |

| Question | Response for 64 Avenue Road |
|---|---|
| 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? | *Yes.*<br>*The Camden Flood Risk Management Strategy dated 2013, together with Figures 3v, 4e, 5a and 5b of the SFRA dated 2014, and Environment Agency online flood maps show that the site has a very low flooding risk from sewers, reservoirs (and other artificial sources), groundwater and fluvial/tidal watercourses.*<br>*The Environment Agency online flood maps and Figure 3v of the SFRA show that the site has a very low to low flooding risk from surface water.*<br>*It is possible that the basement will be constructed within pockets of perched water and the recommendations outlined in the BIA with regards to waterproofing and tanking of the basement will reduce the risk to acceptable levels.*<br>*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.

# 4.0 Scoping and Site Investigation

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 screening process.

| Potential Impact | Consequence |
|---|---|
| London Clay is the shallowest stratum at the site. | The London Clay is prone to seasonal shrink-swell (subsidence and heave). |
| Seasonal shrink-swell can result in foundation movements. | Multiple potential impacts depending on the specific setting of the basement development. For example, the implications of a deepened basement/foundation system on neighbouring properties should be considered. |
| A tree will be felled as part of the development. | Whilst shrinkable soils are present at shallow depth, there are no critical slope angles that are dependent on the presence of the existing tree to aid long term stability. |
| The development will significantly increase the differential depth of foundations relative to neighbouring properties. | The stability of neighbouring structures will need to be ensured throughout the development. A ground movement analysis is proposed to predict the likely movements as a result of the excavation. |

These potential impacts have been investigated through the site investigation, as detailed in Section 13.0.

## 4.2 Exploratory Work

In order to meet the objectives described in Section 1.2, a single cable percussion borehole was advanced to a depth of 20.00 m and four opendrive percussive boreholes were advanced to a depth of 5.00 m. Additionally, a trial pit was hand excavated to 0.60 m to expose the corner foundation of the existing structure. Disturbed and undisturbed samples were obtained from the boreholes for subsequent laboratory examination and testing.

Standard Penetration Tests (SPTs) were carried out at regular intervals to provide additional quantitative data on the strength of soils encountered.

Three groundwater monitoring standpipes have been installed in the boreholes to facilitate groundwater monitoring, which has been carried out at two and four weeks after the fieldwork.

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

All of the above work was carried out under the supervision of a geotechnical engineer from GEA. The borehole and trial pit records are appended, together with a site plan indicating their positions. The Ordnance Datum (OD) levels on the records have been interpolated from spot heights shown on a topographical survey drawing provided by the consulting engineers (drawing no DI0772-64AR-SP rev P02, dated 29th July 2024).

### 4.3 Sampling Strategy

The trial pit positions were specified by Form Structural Design, the consulting engineers for the project, and were positioned as close to the specified positions as possible whilst avoiding buried services. The boreholes were positioned on site by a geotechnical engineer from GEA in accessible areas, with due regard to the proposed development and the locations of known buried services.

Three samples of the made ground have been tested for the presence of contamination. The analytical suite of testing was selected to identify a range of typical industrial contaminants for the purposes of general coverage. 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 samples were also screened for the presence of asbestos. The contamination analyses were carried out at an MCERTs accredited laboratory with the majority of the testing suite accredited to MCERTS standards. A summary of the MCERTs accreditation and test methods are included with the attached results and further details are available upon request.

## 5.0 Ground Conditions

The investigation has generally confirmed the expected ground conditions in that, the site is underlain by a moderate thickness of made ground overlying the London Clay Formation.

### 5.1 Made Ground

The made ground comprised pale grey-brown slightly clayey gravelly sand with variable amounts of gravel, brick and concrete fragments extending to depths between 1.30 m (46.20 m OD) and 1.50 m (44.73 m OD) within the boreholes at the front of the site and between 0.40 m (47.63 m OD) and 0.50 m (47.55 m OD) within the boreholes at the rear.

Apart from the presence of fragments of extraneous material noted above, no 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 London Clay

The London Clay initially consisted of firm brown slightly silty clay extending to a depth of 9.80 m whereupon stiff becoming very stiff blue-grey fissured silty clay was encountered and extended to the full depth of the investigation, of 20.00 m.

The results of plasticity index tests indicate the clay to be of high volume-change potential, and the results of quick undrained triaxial compression tests indicate the clay to be of high, becoming very high strength.

## 5.3 Groundwater

Groundwater was not encountered during our investigation. Standpipes were installed in three of the boreholes and the findings of two groundwater monitoring visits are presented in the following table.

| Borehole No | Date | Depth of standpipe (m) [depth OD] | Depth to water (m) [depth OD] |
|---|---|---|---|
| 1 | 17/06/2024 (during fieldwork) | 5.20 [41.30] | Dry |
| | 01/07/2024 | 5.20 [41.30] | Dry |
| | 15/07/2024 | 5.20 [41.30] | 2.75 [43.48] |
| 3 | 19/06/2024 (during fieldwork) | 4.60 [43.60] | Dry |
| | 01/07/2024 | 4.60 [43.60] | 0.47 [47.73] |
| | 15/07/2024 | 4.60 [43.60] | 0.47 [47.73] |
| 4 | 19/06/2024 (during fieldwork) | 4.65 [43.40] | Dry |
| | 01/07/2024 | 4.65 [43.40] | 3.00 [45.05] |
| | 15/07/2024 | 4.65 [43.40] | 2.40 [45.65] |

## 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 | BH2 0.40 m | BH3 0.5 m | BH4 0.40 m |
|---|---|---|---|
| pH | 9.8 | 11.9 | 8.5 |
| Arsenic | 12 | 8.8 | 12 |
| Cadmium | < 0.2 | < 0.2 | < 0.2 |
| Chromium | 41 | 21 | 44 |
| Lead | **200** | 18 | 160 |
| Mercury | < 0.3 | < 0.3 | < 0.3 |
| Selenium | < 1.0 | < 1.0 | < 1.0 |
| Copper | 38 | 12 | 24 |
| Nickel | 20 | 9.5 | 17 |
| Zinc | 120 | 61 | 86 |
| Total Cyanide | < 1.0 | < 1.0 | < 1.0 |
| Total Phenols | < 1.0 | < 1.0 | < 1.0 |
| Total PAH | 44 | < 0.80 | 3.35 |
| Soluble Sulphate | **850** | 72 | **530** |
| Sulphide | 2.1 | 3.1 | 6.4 |
| Benzo(b)fluoranthene | **5.4** | 0.09 | 0.55 |
| Benzo(a)pyrene | 4.3 | 0.09 | < 0.05 |
| Dibenz(a,h)anthracene | **0.47** | < 0.05 | < 0.05 |
| Naphthalene | 0.14 | < 0.05 | < 0.05 |
| TPH | 270 | < 10 | 25 |
| Total Organic Carbon % | 1.2 | 0.3 | 1 |

Note: Figures in bold indicate values in excess of the generic guideline screening values.

In addition, all three samples of the made ground have been 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 with 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 less than six years old;
- that the exposure duration will be six years;
- that the critical exposure pathways will be direct soil and indoor dust ingestion, consumption of home grown produce, consumption of soil adhering to home grown produce, skin contact with soils and dust, and inhalation of dust and vapours; and
- that the building type equates to a 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;
- 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 results of the contamination testing have indicated the sample from Borehole No 1 at a depth of 0.40 m contained an elevated concentration of soluble sulphate, a marginally elevated concentration of lead and elevated concentrations of PAH compounds benzo(b)fluoranthene and dibenz(a,h)anthracene; although the concentration of total PAHs remained below the respective screening value. The sample from Borehole No 4 at a depth of 0.40 m was found to contain a marginally elevated concentration of soluble sulphate. The sample of made ground tested from Borehole No 3 at 0.50 m was found to be free from elevated concentrations of contaminants.

The significance of these results is considered further in Part 2 of the report.

## 5.5 Existing Foundations

The findings of the single trial pit 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** | SE corner of the house (extension) | Mass concrete strip/trench fill<br>Top 0.15 m<br>Base 0.39m.<br>Lateral projection 300mm | Stiff brown fissured blue-grey slightly silty CLAY. |

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

# Part 2: Design Basis Report

This section of the report provides an interpretation of the findings detailed in Part 1, in the form of a ground model, and then provides advice and recommendations with respect to the proposed development.

## 6.0 Ground Model

It is understood that it is proposed to construct a two-storey extension to the rear of the existing building and a basement below the full footprint of the house and part of the rear garden, which will include a sub-basement towards the rear. The basement will have a formation level of 5.05 m below ground level, while the sub-basement will have a formation level of about 7.85 m below ground level. Where the basement extends outside of the footprint of the house it will be overlain by a 900 mm cover thickness of soil.

The basement will include a swimming pool and the sub-basement level will house the associated plant area for the basement swimming pool. It is also proposed to redevelop the pavilion building in the rear garden, by demolishing to the existing building down to current basement level and deepening the basement to a depth of approximately 3.60 m (44.45 m OD) before constructing the new building.

The development also includes the re-levelling of the garden area by reducing the raised garden level by approximately 0.70 m from 48.70 m OD to 48.05 m OD. Contact pressures of the proposed raft foundation vary between about 20 kN/m$^2$ and 150 kN/m$^2$ for the main basement, and about 5 kN/m$^2$ and 30 kN/m$^2$ for the main basement.

The desk study has revealed that the site has not had a potentially contaminative historical use as it has been developed with the unspecified commercial and residential buildings since prior to 1866, and on the basis of the fieldwork, the ground conditions at this site can be characterised as follows:

- below a minor thickness of made ground, the London Clay is present and extends to the maximum depth of the investigation, of 20.00;
- the made ground comprises pale grey-brown slightly clayey gravelly sand with variable amounts of gravel and brick and concrete fragments extending to depths of between 0.40 m and 1.50 m;
- the London Clay initially consists of firm brown slightly silty clay extending to a depth of 9.80 m whereupon stiff becoming very stiff blue-grey fissured silty clay is present and extends to the full depth of the investigation of 20.00 m;
- groundwater was not encountered during the site investigation, however was found at 2.75 m (43.48 m OD) in BH1, 0.47 m (47.73 m OD) in BH3, and 2.40 m (45.65 m OD) in BH4 after two monitoring visits; and
- contamination testing has revealed the presence of locally elevated concentrations of benzo(b)fluoranthene, dibenz(a,h)anthracene, soluble sulphate and lead within the made ground.

# 7.0 Advice & Recommendations

Excavations for the proposed basement structure will require temporary support to maintain stability and to prevent any excessive ground movements.

It is understood that the new basement and sub-basement below the house and part of the rear garden will extend to a depths of approximately 5.05 m (42.97 m OD) and 7.85 m (40.17 m OD), with the basement and plant rooms of the pavilion will extend to a maximum depth of 3.60 m (44.45 m OD). A concrete raft is understood to be the preferred foundation option and a contiguous piled wall is proposed to support the excavation in the temporary and permanent conditions. Perched water may be encountered within the London Clay but significant groundwater inflows during the excavation are not anticipated.

## 7.1 Basement Construction

Formation level for the basement and sub-basement below the house and rear garden is likely to be within the stiff clay of the London Clay at a maximum depth of about 7.85 m (40.17 m OD) and the basement and plant rooms of the pavilion at 3.60 m (44.45 m OD).

Groundwater was not encountered during the site works but has been measured within the standpipes at depths of 0.47 m (47.73 m OD) depth in Borehole No 3 during both monitoring visits, depths of between 3.0 m (45.05 m OD) and 2.4 m (45.65 m OD) in the standpipe installed in Borehole No 4, and at a depth of 2.75 m (43.48 m OD) in Borehole No 1. The results across each of the boreholes varied, and as the standpipes were generally within areas of hardstanding, the results likely reflect the accumulation of surface water within the standpipes rather than being an indication of a groundwater table.

Inflows of perched water should be anticipated. However, any such inflows are likely to be relatively minor in nature and should be adequately dealt with through sump pumping, although it would be prudent for the chosen contractor to have a contingency plan in place to deal with more significant or prolonged inflows as a precautionary measure.

The design of basement support in the temporary and permanent conditions needs to take account of the need to maintain the stability of the excavation and surrounding structures, and to protect against potential shallow groundwater inflows.

It is understood that it is likely that a contiguous bored pile wall is to be adopted to support the majority of the proposed basement excavations, which will have the advantage of being incorporated into the permanent works and being able to provide support for structural loads. Localised grouting and / or sump pumping may be necessary where perched water inflows are encountered.

### 7.1.1 Basement Retaining Walls

The following parameters are suggested for the design of the permanent basement retaining walls.

| Stratum | Bulk Density ($kg/m^3$) | Effective Cohesion ($c'$ – $kN/m^2$) | Effective Friction Angle ($\phi'$ – degrees) |
|---|---|---|---|
| Made ground | 1700 | Zero | 27 |
| London Clay | 1950 | Zero | 23 |

Monitoring of the standpipe should be continued to assess the design water level but at this stage it would appear that groundwater may be assumed to be below basement level; the advice in BS8102:2009[9] should also be followed in this respect.

### 7.1.2 Basement Heave

The proposed basement level beneath the main house will extend to a depth of about 5.05 m (42.97 m OD) while the sub-basement will extend to a depth of 7.85 m (40.17 m OD). These excavations will result in a differential net unloading of between 95 $kN/m^2$ and 150 $kN/m^2$, which will result in differential heave of the underlying London Clay. Where the new pavilion structure is proposed, the excavations for the basement level will vary between 0.40 m and 3.60 m due to the existing partial basement which will result in a differential net unloading of between 8 $kN/m^2$ and 70 $kN/m^2$, which will also give rise to differential have movements. This will comprise immediate elastic movement, which will account for approximately 40 % of the total movement and be expected to be complete during the construction period, and long-term movements which will theoretically take many years to complete. These movements will, to some extent, be mitigated by the loads applied by the proposed development, however the ground movements associated with the proposed basement excavation and construction have been considered in more detail in Part 3 of this report.

9 BS8102 (2009) *Code of practice for protection of below ground structures against water from the ground*

## 7.2 Spread Foundations

If a dry excavation is maintained, it should be possible to construct spread foundations at basement and sub-basement level. Moderate width pad or strip foundations, constructed from basement level to bear on the stiff clay of the London Clay, may be designed to apply a net allowable bearing pressure of 175 kN/m$^2$, while similar foundations constructed at sub-basement level may be designed to apply a slightly higher net allowable bearing pressure of 200 kN/m$^2$. This value incorporates an adequate factor of safety against bearing capacity failure and should ensure that settlement remains within normal tolerable limits.

## 7.3 Raft Foundations

The suitability of a raft foundation will be governed by the load applied to the raft and the anticipated resulting settlement. At this site, the proposed loads are to be relatively similar to the net unloading due to the excavations across much of the site such that settlements would be anticipated to be fairly minimal. However, the loading is not uniformly distributed such that the raft will been to be reinforced to cope with the resulting differential movements.

A settlement analysis has been included in Part 3 of this report which takes account of the proposed loading of the raft.

## 7.3 Piled Foundations

For the ground conditions at this site some form of bored pile could be considered. In view underlying clay soils, conventional rotary bored piles could be adopted with relatively short lengths of casing; although where layers of granular material are encountered problems with stability could occur, requiring significant casing. Alternatively consideration could be given to the use of bored piles installed using continuous flight auger (cfa) techniques, which would negate the requirement for temporary casing.

The following table of ultimate coefficients may be used for the preliminary design of bored piles, based on the SPT and cohesion / level graph in the appendix.

| Stratum | Depths m [level m OD] | kN / m$^2$ |
|---|---|---|
| **Ultimate Skin Friction** | | |
| Basement Excavation | GL [48.03] to 7.85 m [40.18 m OD] | Ignore |
| London Clay | 7.85 m [40.18 m OD] to 20.00 [28.03 m OD] | Increasing linearly from 55 to 100 |
| **Ultimate End Bearing** | | |
| London Clay | 12.50 m [35.53 m OD] to 20.00 [28.03 m OD] | Increasing linearly from 1260 to 1800 |

BS EN 1997-1:2004; Eurocode 7: Geotechnical Design Part 1 (Eurocode 7) provides factors to be applied to the ultimate skin friction and ultimate end bearing capacity in calculating pile resistance ($R_{d,GEO}$). For bored piles, in the absence of either working load tests or combined working load tests and preliminary pile tests, a model factor of 1.4 should be combined with a factor of 1.6 to be applied to the skin friction, and with a factor of 2.0 to be applied to the end bearing. For piles acting in tension, a factor of 2.0 should be applied to the skin friction and combined with a model factor of 1.4.

On the basis of the above, the table opposite shows the estimated pile resistance for 450 mm diameter piles at various depths. Average ultimate skin friction has been limited to 100 kN/m$^2$ and an adhesion factor of 0.5 has been adopted, in accordance with guidance from the London District Surveyors Association (LDSA)[10].

| Pile diameter mm | Toe Depth (m) [Level m OD) | Pile length (m) | $R_{d,GEO}$ (kN) |
|---|---|---|---|
| 450 | 12.50 [35.52] | 4.65 | 250 |
| | 15.00 [32.52] | 7.65 | 380 |

In order to determine the required pile lengths, the above outline pile resistances need to be compared with structural loads (actions) that have been factored to determine the design effect, in accordance with Eurocode 7.

10 LDSA (2017) *Guidance notes for the design of straight shafted bored piles in London Clay*. LDSA

The above examples are not intended to constitute any form of recommendation with regard to pile size or type, but merely serve to illustrate the use of the above coefficients. Specialist piling contractors should be consulted with regard to the design of an appropriate piling scheme and their attention should be drawn to the presence of inconsistent layers of granular soil within the Lambeth Group and the associated groundwater and stability issues this could produce.

## 7.4 Shallow Excavations

On the basis of the borehole findings, it is considered that it will be generally feasible to form relatively shallow excavations terminating within the made ground or London Clay without the requirement for lateral support, although localised instabilities may occur where more granular material or groundwater is encountered.

Significant inflows of groundwater into shallow excavations are not generally anticipated, although seepages may be encountered from perched water tables within the made ground, particularly within the vicinity of existing foundations, although such inflows should be suitably controlled by sump pumping.

If deeper excavations are considered or if excavations are to remain open for prolonged periods it is recommended that provision be made for battered side slopes or lateral support. Where personnel are required to enter excavations, a risk assessment should be carried out and temporary lateral support or battering of the excavation sides considered in order to comply with normal safety requirements.

## 7.5 Basement Floor Slab

Following excavation of the basement, the floor slab will need to be suspended over a void or a layer of compressible material to accommodate the anticipated heave and any potential uplift forces from groundwater pressures, unless the slab can be suitably reinforced to cope with these movements.

## 7.6 Effect of Sulphates

Chemical analyses have revealed moderate concentrations of soluble sulphate and near-neutral pH in accordance with Class DS-4 conditions of Table C2 of BRE Special Digest 1:SD Third Edition (2005). The measured pH values of the samples show that an ACEC class of AC-3s would be appropriate for the site. This assumes a static water condition at the site. The guidelines contained in the digest should be followed in the design of foundation concrete.

## 7.7 Contamination Risk Assessment

The desk study findings indicate that the site does not have a potentially contaminative history as it has only been developed with houses for its entire developed history. Furthermore, there are no potential off-site sources of contamination that are considered to pose a risk to the site.

The results of the contamination testing in the samples of made ground tested revealed the presence of benzo(b)fluoranthene at 5.4 mg/kg, dibenz(a,h)anthracene at 0.47 mg/kg, soluble sulphate at 850 mg/kg and lead at 200 mg/kg in Borehole No 2 at a depth of 0.40 m, and slightly elevated soluble sulphate at 530 mg/kg in Borehole No 4 at 0.40 m.

Sulphates do not represent a risk to potential receptors, but can degrade concrete within the ground. The measured concentrations have been considered in section 7.5.

The source of the PAH contamination is unknown. However, Borehole No 2 was located close to the driveway and the made ground was noted as containing variable amounts of extraneous material, which could account for the measured concentrations. Analysis of the specific ratios of flouranthene:pyrene and phenanthrene:anthracene have indicated the source for the contamination in this sample to be of pyrogenic origin, and to be typical made ground containing ash, part burnt coal, coal tar and / or pre-war tarmac. Additionally the specific proportions of individual PAH compounds are indicative of the material being coal tar based tarmac. It is therefore likely that a fragment of such material was present within the sample tested, accounting for the elevated concentrations. As such the contamination is not considered to be in a soluble form and does not therefore pose a risk to adjacent sites, buried services, groundwater or the aquifer at depth. The contamination is also considered to be of low volatility and will therefore not pose a risk to end users through vapour production, but it will pose a risk to site workers during groundworks and end users in soft landscaped areas through a direct contact pathway.

Information on Urban Soil Chemistry provided by the BGS indicates that background concentrations for lead in the vicinity of the site are between 38 mg/kg and 2500 mg/kg, such that the measured concentration is much lower than the peak background concentration for the area and as a result does not represent a significant risk to end users. Lead compounds are relatively immobile, unlikely to be in a soluble form and are considered to be non-volatile or of a low volatility. The contamination does not therefore present a significant vapour risk or a significant risk of leaching and migration within any perched groundwater within the made ground. As the site is underlain by the London Clay, which cannot support a continuous groundwater table, a risk to groundwater is also not identified. A risk to end users is also not envisaged in this respect.

As the contamination is not in a soluble form, it should not impact buried services, but requirements in this respect should be checked with the local water provider.

The identified risks are discussed further below.

### 7.7.1 Protection of End Users

End users will be effectively isolated from any potential contamination within the extent of the building and surrounding hardstanding, such that, only in proposed garden areas could end users conceivably come into direct contact with the contaminated soils, although this pathway is already in existence.

At this stage it is recommended that a cover thickness of imported subsoil and topsoil of 600 mm in thickness should be specified for any areas of new landscaping in accordance with recommendations from BRE. It is likely to be possible to reduce the final thickness of cover required, but this will need to be determined once final levels have been established and the concentrations of potential contaminants within the imported material and in the soils at formation level are known.

### 7.7.2 Protection of Site Workers

Site workers should be made aware of the potential contamination and a programme of working should be identified to protect workers handling any soil. The method of site working should be in accordance with guidelines set out by HSE[11] and CIRIA[12] and the requirements of the Local Authority Environmental Health Officer.

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.

## 7.8 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[13] 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[14] 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 £103.70 per tonne (about £190.00 per $m^3$) or at the lower rate of £3.30 per tonne (roughly £6.00 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.

11 HSE (1992) HS(G)66 *Protection of workers and the general public during the development of contaminated land* HMSO

12 CIRIA (1996) *A guide for safe working on contaminated sites.* Report 132, Construction Industry. Research and Information Association

13 Environment Agency 2015. *Guidance on the classification and assessment of waste.* Technical Guidance WM3 First Edition

14 CL:AIRE March 2011. *The Definition of Waste: Development Industry Code of Practice* Version 2

Based 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 | Inert non-hazardous (17 05 04) | No | £103.70/tonne (Standard rate) |
| Natural Soils | Inert (17 05 04) | Should not be required but confirm with receiving landfill | £3.30 / 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[15] 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 on-site 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.

15 Environment Agency 23 Oct 2007 *Regulatory Position Statement Treating non-hazardous waste for landfill - Enforcing the new requirement*

# Part 3: Ground Movement Analysis

This section of the report comprises an analysis of the ground movements arising from the proposed basement and foundation scheme discussed in Part 2 and the information obtained from the investigation, presented in Part 1 of the report.

## 8.0 Introduction

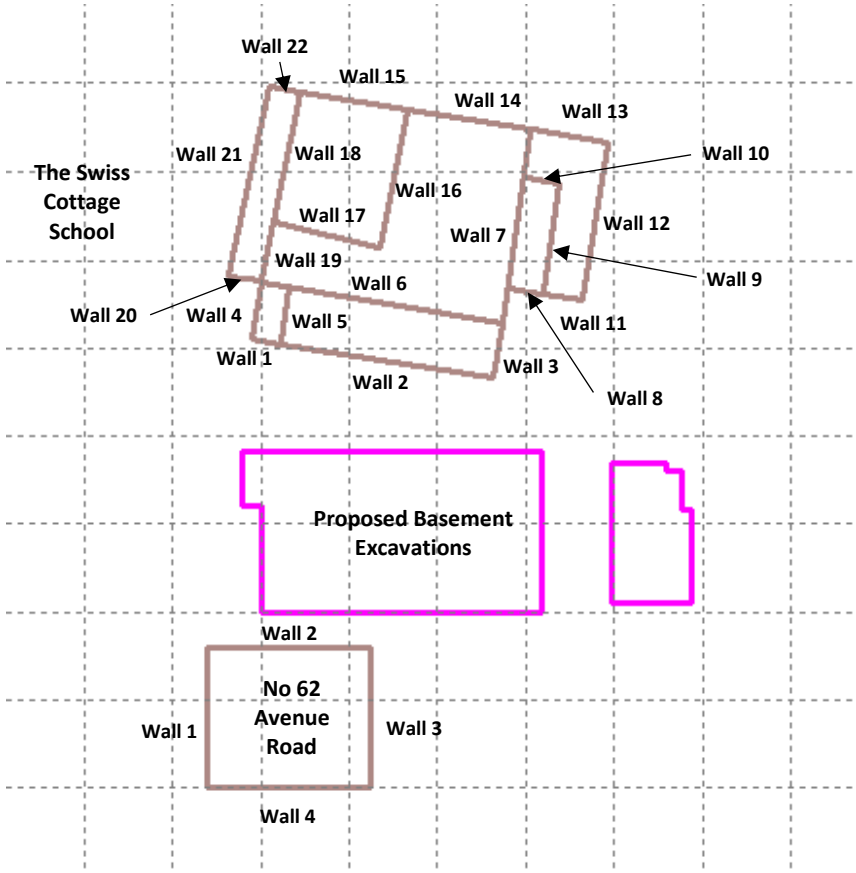
The sides of an excavation will move to some extent regardless of how they are supported. The movement will typically be both horizontal and vertical and will be influenced by the engineering properties of the ground, groundwater level and flow, the efficiency of the various support systems employed and the efficiency or stiffness of any support structures used.

An analysis has been carried out of the likely movements arising from the proposed excavation and the results of this analysis have been used to predict the effect of these movements on surrounding structures.

### 8.1 Basis of Ground Movement Assessment

Sensitive structures relevant to this assessment include Nos 62 Avenue Road to the south of the site and the Swiss Cottage School to the north of the site. A planning search has revealed that No 70 Elsworthy Road, located near the southern boundary of the site, has a large basement which was constructed within a contiguous bored pile wall. As a result, the construction of the proposed basement will not impact the structure as therefore this structure has not been included in the assessment.

Formation level for each of the sensitive structures has been assumed to extend to a depth of 1.00 m. The structures are assumed to not have basements. A plan outlining the nearby sensitive structures is shown opposite.



## 8.2 Construction Sequence

Formation level for approximately half of the main basement will be at a depth of about 4.95 m below ground level, with a deeper part extending to a depth of 7.65 m towards the rear. The basement below the pool house structure will have a formation level of 3.65 m below ground level.

It is understood that the preferred method of retaining wall construction is through a combination of a contiguous piled walls and the underpinning of sections of the existing foundations of the house in a traditional hit and miss approach.

The below construction sequence has been assumed to facilitate the analysis.

1. partial demolition of the existing buildings on site and installation of piling mat;
2. installation of contiguous bored pile retaining wall and temporary support piles and cast capping beams;
3. underpinning of the existing foundations carried out in a single stage where the basement is to extend to a depth of 4.95 m, and in two stages where the basement extends to a depth of 7.65 m;
4. cast ground floor slab and allow to cure;
5. construct temporary support to any walls and floors that are to be retained;
6. excavation down to formation level of shallow basement, propping wall sections as necessary;
7. casting of 450 mm reinforced concrete basement floor slab and construction of liner walls;
8. excavation or rear section of lower basement level;
9. cast 450 mm basement slab;
10. cast vertical basement structure; and,
11. progress with superstructure works and remove temporary support.

## 8.3 Temporary Support to Underpinned Walls

It is understood that construction of retaining walls will be undertaken in a 'hit and miss' underpinning sequence, in stages to be agreed with the temporary works engineer. This type of construction should generally be undertaken in short sections not exceeding 1.00 m to 1.20 m in length, with no adjacent pin to be excavated until a minimum of 48 hours after the adjacent pin has been cast and dry-packed placed, with the sides of the excavation adequately shored and propped.

The walls will be adequately laterally propped and the concrete will be cast and adequately cured prior to excavation of the basement and removal of the formwork and supports. It is assumed that the new retaining walls will not be cantilevered at any stage during the construction process.

It is assumed that adequate temporary propping of the new retaining walls, particularly at the top level, will occur at all times during excavation of the proposed basement and will remain in place until the construction of permanent concrete floor slabs.

## 8.4 Temporary Support to Piled Walls

Following the installation of the contiguous bored pile walls and associated capping beams, temporary props will be installed, and the basement excavation will proceed. The detail of section sizes and spacings will be finalised by the contractor but it is anticipated that the general philosophy adopted will be for diagonal braces to be used across the corners or returns of the basement walls whilst props will be positioned at regular intervals along the long walls of the basement.

Where horizontal restraint cannot be provided by other parts of the piled wall the prop forces can be provided by so-called 'flying shores' where the reaction to horizontal forces is provided by pile caps, gravity blocks or basement thickenings in the centre of the excavation.

It is anticipated that steel temporary props will be used with strut forces spread along the wall by steel waling beams fixed to the piles. Although the detail of the propping is to be finalised there is the option to use hydraulic 'active' props where the propping force is applied prior to excavation in order to minimise movement at critical locations. Excavation will proceed in stages and in broad terms the order of operations will be install capping beam props then excavate to formation level.

### 8.5 Permanent Works

The foundations will be cast prior to the final excavation and will be used to provide a stable base for propping. When the final excavation depths have been reached, the permanent works will be formed, which are likely to comprise the finished floor slab and the installation of beams at ground floor level to support the walls in the overall term.

## 9.0 Ground Movements

An assessment of ground movements within and surrounding the excavation has been undertaken using the P-Disp and X-Disp computer programs licensed from the OASYS suite of geotechnical modelling software from Arup. These programs are commonly used within the ground engineering industry and are considered to be appropriate tools for this analysis.

The X-Disp and P-Disp programs have been used to predict ground movements likely to arise from the excavation and construction of the proposed basement. This includes the heave / settlement of the ground (vertical movement) and the lateral movement of soil behind the proposed retaining walls (horizontal movement). Both the P-Disp and X-Disp programs are commonly used within the ground engineering industry and are considered to be appropriate tools for the purpose of this analysis.

For the purpose of these analyses, the corners have been defined by x and y coordinates, with the y-direction approximately parallel with Avenue Road, whilst the x-direction is perpendicular. Vertical movement is in the z-direction.

The basement structures have each been modelled as a single polygon, which will be formed through a combination of the construction of contiguous bored pile wall and underpinning of the foundations of the existing structures. It should be noted that the proposed basement footprints both contains re-entrant corners, which due to limitations within the software, will cause a doubling up of movements that creates an issue for any analysis, as the opposite is likely to be the case in reality, with an overall reduction in ground movements more likely due to the increased stiffness of the structure at these points. Where possible, the shape of the proposed basement has been simplified to remove these features to mitigate these effects and provide a more realistic model that can be used in the subsequent damage assessment.

It is assumed that suitable propping will be provided during the construction of the basement and in the permanent condition, such that the walls can be considered to be stiff for the purpose of the ground movement modelling.

The full outputs of all the analyses can be provided on request but samples of the output movement contour plots are included within the appendix.

## 9.1 Ground Movements – Surrounding the Basement

### 9.1.1 Model Used

For the X-Disp analysis, the soil movement relationships used for the embedded retaining walls are the default values within CIRIA report C760[16], which were derived from a number of historic case studies.

#### Installation of underpins:

For the X-Disp analysis, the installation curves for a panel-like planar diaphragm wall have been adopted for the horizontal and vertical ground movements resulting from the retaining wall installation as most appropriate for the soil movement relationship for walls installed by underpinning techniques.

#### Installation of piled retaining walls:

The installation curves for a contiguous bored pile wall have been adopted for the horizontal and vertical ground movements resulting from the installation of the piled walls. For the purposes of the assessment it has been assumed that the pile walls will be installed to have an embedment to exposure ratio of 1 to 1, which would be reasonable for a propped wall such as this, and the X-Disp model has been analysed on this basis. However, it is understood that this level may be altered by the piling contractor it is considered unlikely to be deepened and as a result, the analysis can be considered to provide a conservative estimate of the movements in this respect.

#### Excavation Phase:

As it is assumed that the walls will be embedded into the clay and adequately propped at the head, the ground movement curves for 'excavations in front of a high stiffness wall' have been adopted to provide an estimate of the likely movements from the subsequent excavations.

### 9.1.2 Results

The movements predicted by X-Disp are summarised in the table below; the results are presented below subsequent tables to the degree of accuracy required and in to allow predicted variations in ground movements and in to allow predicted variations in ground movements around the structure to be illustrated but may not reflect the anticipated accuracy of the predictions.

| Phase of Works | Wall Movement (mm) | |
|---|---|---|
| | Vertical Settlement | Horizontal Movement |
| Installation of contiguous bored pile wall | 3.0 to 10.0 | 3.0 to 7.0 |
| Combined Installation and Excavation Movements | 6.0 to 20.0 | 10.0 to 20.0 |

The analysis has indicated that the maximum vertical settlement and horizontal movements that will result from wall installation are between 3 mm and 10 mm and 3 mm and 7 mm respectively, with the movements arising from the combined wall installation and excavation phases increasing to between 6 mm and 20 mm of vertical settlement and between 10 mm and 20 mm of horizontal movement.

The movements set out in the table and discussed above are the maximum movements and the analysis has indicated that they occur immediately or just outside the line of the retaining walls, and also account for the likely overprediction of movements within re-entrant corners included within the model.

## 9.2 Ground Movements – Resulting from Excavation

### 9.2.1 Model Used

Unloading of the London Clay will take place as a result of the excavation of the proposed basements and the reduction in vertical stress will cause heave to take place. Undrained soil parameters have been used to estimate the potential short-term movements, which include the "immediate" or elastic movements as a result of the basement excavation. Drained parameters have been used to provide an estimate of the total long-term movement.

The elastic analysis requires values of soil stiffness at various levels to calculate displacements. Values of stiffness for the soils at this site are readily available from published data[17] and a well-established method has been used to provide estimated values. The elastic analysis requires values of soil stiffness at various levels to calculate displacements. Values of stiffness for the soils at this site are readily available from

16 Gaba, A, Hardy, S, Powrie, W, Doughty, L and Selemetas, D (2017) *Embedded retaining walls – guidance for economic design* CIRIA Report C760

17 Burland JB, Standing, JR, and Jardine, FM (2001) *Building response to tunnelling, case studies from construction of the Jubilee Line Extension.* CIRIA Special Publication 200

published data[18] and a well-established method has been used to provide estimated values. Relationships of $E_u$ = 500 $C_u$ and E' = 300 $C_u$ for the cohesive soils and 2000 x SPT N for granular soils have been used to obtain values of Young's modulus. The soil parameters used in this analysis and tabulated below have been derived from the on-site investigation and extrapolated where the parameters were required below the depths of the boreholes. A rigid boundary for the analysis has been set at around 82.6 m below the existing ground level, as reference to nearby BGS borehole data (BGS reference TQ28SE1566, located approximately 500 m southwest of the site) indicates this to the level of the base of the London Clay. Below this depth, the soils can be considered essentially incompressible.

| Stratum | Depth Range (m) | Eu (MPa) | E'(MPa) |
|---|---|---|---|
| Made Ground | GL to 1.0 | 10.00 | 10.00 |
| London Clay | 1.0 to 77.0 | 12.5 to 435.0 | 7.5 to 261.0 |

The 4.95 m to 7.65 m deep excavation of the basement will result in a differential net unloading of between around 95 kN/m$^2$ to 150 kN/m$^2$, which will result in differential heave of the underlying London Clay. Additionally, the new pavilion building is to be partially constructed over the existing pool house, which currently has a basement extending to a depth of 3.20 m. As a result, the new basement excavation will result in a differential net unloading of between 8.78 kN/m$^2$, where the existing basement is present, to 71.18 kN/m$^2$ outside of the footprint of the existing basement.

A plot of the SLS raft pressures for each basement level and the pavilion basement have been provided by MBP, the consulting engineers for the project. The pressures have been split into sections based on pressure and have then been input into the P-Disp model Raft pressures vary between 10 kN/m$^2$ and 150 kN/m$^2$.

### 9.2.2 Results

The predicted movements are summarised in the table below; the results are presented opposite and in subsequent tables to the degree of accuracy required to allow predicted variations in ground movements around the structure(s) to be illustrated, but may not reflect the anticipated accuracy of the predictions. In the table overleaf, heave movements are shown as negative.

| | Short-term Movement | | Total Movement | |
|---|---|---|---|---|
| | Main Basement Excavation | Pavilion Excavation | Main Basement Excavation | Pavilion Excavation |
| Centre of proposed basement | -18.0 to -13.0 | -4.0 to 1.0 | -18 to -28.0 | -2.0 to -6.0 |
| Edge of proposed basement | -1.0 to -7.0 | -3.0 to 1.0 | -4.0 to -16.0 | -2.0 to -8.0 |

The P-Disp analysis indicates that, by the time the basement construction is complete, up to 42.0 mm of heave is likely to have taken place beneath the area of the basement.

If a compressible material is used beneath the slab, it will need to be designed to be able to resist the potential uplift forces generated by the ground movements. In this respect, potential heave pressures are typically taken to equate to around 40% of the total unloading pressure.

18 Burland JB, Standing, JR, and Jardine, FM (2001) *Building response to tunnelling, case studies from construction of the Jubilee Line Extension.* CIRIA Special Publication 200

# 10.0 Damage Assessment

In addition to the above assessment of the likely movements that will result from the proposed development, any neighbouring buildings within the zone of influence of the excavations are considered to be sensitive structures, requiring Building Damage Assessments, on the basis of the classification given in Table 6.4 of CIRIA report C760[19].

The sensitive structures outlined previously have been modelled as displacement lines in the analysis along which the damage assessment has been undertaken.

## 10.1 Damage to Neighbouring Structures

The ground movements resulting from the piling and basement excavation phases have been calculated using X-Disp modelling software to carry out an assessment of the likely damage to adjacent properties and the results are discussed below.

The building damage reports for sensitive structures highlighted above are included in the appendix and indicate that predominantly the damage to the adjoining and nearby structures due to basement construction are between damage categories 'Negligible (0)', with the exception of five sensitive structures predicted as 'Very Slight (1)'.

A summary of the structures indicated as affected is included below, and the structures suffering damage exceeding category 'Negligible (0)' are highlighted in bold in the table overleaf.

| Structure | Elevation | Max tensile strain % | Category* |
|---|---|---|---|
| No 62 Avenue Road | Wall 1 | 0.026 | Negligible (0) |
| | Wall 2 | 0.012 | Negligible (0) |
| | Wall 3 | 0.067 | Negligible (0) to Very Slight (1) |
| | Wall 4 | None | Below Limit of Sensitivity |
| Swiss Cottage School | Wall 1 | 0.031 | Negligible (0) |
| | Wall 2 | 0.070 | Negligible (0) to Very Slight (1) |
| | Wall 3 | 0.064 | Very Slight (1) |
| | Wall 4 | 0.048 | Negligible (0) |
| | Wall 5 | 0.039 | Negligible (0) |
| | Wall 6 | 0.051 | Negligible (0) to Very Slight (1) |
| | Wall 7 | 0.056 | Negligible (0) to Very Slight (1) |
| | Wall 8 | 0.001 | Negligible (0) |
| | Wall 9 | 0.051 | Negligible (0) to Very Slight (1) |
| | Wall 10 | None | Below Limit of Sensitivity |
| | Wall 11 | 0.048 | Negligible (0) |
| | Wall 12 | 0.045 | Negligible (0) |
| | Wall 13 | None | Below Limit of Sensitivity |
| | Wall 14 | None | Below Limit of Sensitivity |
| | Wall 15 | None | Below Limit of Sensitivity |
| | Wall 16 | None | Below Limit of Sensitivity |
| | Wall 17 | None | Below Limit of Sensitivity |
| | Wall 18 | None | Below Limit of Sensitivity |
| | Wall 19 | <0.001 | Negligible (0) |
| | Wall 20 | 0.001 | Negligible (0) |
| | Wall 21 | None | Below Limit of Sensitivity |
| | Wall 22 | None | Below Limit of Sensitivity |

*From Table 6.4 of C760: Classification of visible damage to walls.

19 Gaba, A, Hardy, S, Powrie, W, Doughty, L and Selemetas, D (2017) *Embedded retaining walls – guidance for economic design* CIRIA Report C760

The results discussed above are based on individual building lines, or walls, that in some instances, have been further divided up within the analysis into a series of segments that are assumed to be able to move independently of one another, with the most critical segment determining the result for the entire wall. In reality, this is unlikely to be the case as the walls will behave as single stiff elements that are also joined continuously with the rest of the structure.

The results therefore provide a conservative estimate of the behaviour of each of the sensitive structures and overestimate the degree of damage, although they provide a useful indication of the most critical structures within the adjoining properties that may require further assessment, as detailed below.

## 10.2 Monitoring of Ground Movements

The predictions of ground movement based on the ground movement analysis should be checked by monitoring of the adjacent properties and structures. The structures to be monitored during the construction stages should include the existing property and the neighbouring structure assessed above. Condition surveys of the above existing structures should be carried out before and after the proposed works.

The precise monitoring strategy will be developed at a later stage, and it will be subject to discussions and agreements with the owners of the adjacent properties and structures. Contingency measures will be implemented if movements of the adjacent structures exceed predefined trigger levels. Both contingency measures and trigger levels will need to be developed within a future monitoring specification for the works.

## 10.3 Impact on Existing Services

The results of statutory services searches have indicated that all of the known nearby services are located below the roadway of Avenue Road, which is located a minimum of 16 m from the basement excavation. At this distance from the basement the movements will be less than 1 mm in magnitude and it is therefore considered that the basement construction will not have a significant impact on existing services. This is also the case with respect to the movement that can be anticipated on the public street itself. As such, any damage should be limited to within acceptable limits.

## 10.4 Sensitivity Analysis

In view of the lack of published monitoring data and ground movement curves associated with the use of underpins to support a basement excavation and in order to provide further reassurance with respect to the potential damage that could be sustained by adjacent structures in this respect, a sensitivity analysis has been carried out on the basis that vertical and horizontal movements of 5 mm per stage of underpinning are experienced. The sensitivity analysis has concluded that the impact on existing services, the public street of Avenue Road and the nearby sensitive structures will be of similar magnitude to those predicted by the initial analysis and the full results are appended for completeness.

# 11.0 GMA Conclusions

The analysis has concluded that the predicted damage to the neighbouring properties from the construction of the proposed basements would be 'Negligible' to 'Very Slight'.

On this basis, the damage that has been predicted to occur as a result of the construction the proposed basement falls within the limits acceptable to the London Borough of Camden assuming that the careful control is taken during construction of the proposed excavations, and monitoring will be required to ensure that no excessive movements occur that would lead to damage in excess of these limits.

The separate phases of work, including piling and subsequent excavation of the proposed basement, will in practice be separated by a number of weeks. This will provide an opportunity for the ground movements during and immediately after installation of the retaining walls to be measured and the data acquired can be fed back into the design and compared with the predicted values. Such a comparison will allow the ground model to be reviewed and the predicted wall movements to be reassessed prior to the main excavation taking place so that propping arrangements can be adjusted if required.

# Part 4: 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, site investigation and ground movement assessment.

## 12.0 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.

### 12.1 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 | Consequence |
|---|---|
| London Clay is the shallowest stratum at the site. | The London Clay is prone to seasonal shrink-swell (subsidence and heave). |
| Seasonal shrink-swell can result in foundation movements. | Multiple potential impacts depending on the specific setting of the basement development. For example, the implications of a deepened basement/foundation system on neighbouring properties should be considered. |
| A number of trees will be felled as part of the development. | Whilst shrinkable soils are present at shallow depth, there are no critical slope angles that are dependent on the presence of the existing trees to aid long term stability. |
| The site is within 5 m of Elsworthy Road. | 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 footways, highways and associated buried services. |
| Increase in the proportion of hard-standing and paved areas. | Less soft covering for surface water infiltration. However, the London Clay is of relatively low permeability so will not make much difference. |
| The development will significantly increase the differential depth of foundations relative to neighbouring properties. | The stability of neighbouring structures will need to be ensured throughout the development. A ground movement analysis is proposed to predict the likely movements as a result of the excavation. |

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.

*London Clay is the shallowest stratum / Seasonal Shrink-Swell*

The investigation indicated that beneath a variable thickness of made ground, the London Clay is present. The London Clay has been classified as being of high volume change potential, which are prone to seasonal shrink-swell (settlement and heave).

Shrinkable clay is present within a depth that can be affected by tree roots. Numerous trees are present on the site, although desiccation was not observed within the natural soils. The proposed basement is likely to extend below the potential depth of root action, but this should be confirmed once proposals have been finalised.

*A singe tulip poplar tree will be felled as part of the development*

Whilst shrinkable soils are present at shallow depth, there are no critical slope angles that are dependent on the presence of the existing trees to aid long term stability. Foundations of shallow structures will need to bypass any desiccation.

### 12.2 BIA Conclusions

A Basement Impact Assessment has been carried out following the information and guidance published by the London Borough of Camden. It has been concluded that the proposed development is unlikely to result in any impacts of concern.

### 12.3 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.

### 12.3.1 Screening

The following table provides the evidence used to answer the subterranean (groundwater flow) 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? | Previous nearby GEA investigations and BGS archive borehole records. |
| 2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line? | Topographical and historical maps acquired as part of the desk study, reference to the Lost Rivers of London and 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? | A site walkover and existing plans of the site have confirmed the proportions of hardstanding and soft landscaping, which have been compared to the proposed drawings to determine the changes in the proportions. |
| 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 details of the proposed development do not indicate the use of soakaway drainage. |
| 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? | Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report. |

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°? | Topographical maps and 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°? | Topographical maps and Figures 16 and 17 of the Arup report |
| 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 details of the proposed development. |
| 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 and reference to NHBC guidelines were used to make an assessment of this, in addition to a visual inspection of the buildings carried out during the site walkover. |
| 8. Is the site within 100 m of a watercourse or potential spring line? | Topographical maps acquired as part of the desk study and 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? | Topographical maps acquired as part of the desk study and Figures 12 and 14 of the Arup report |
| 12. Is the site within 5 m of a highway or pedestrian right of way? | Site plans and the site walkover. |
| 13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties? | Camden planning portal and the site walkover confirmed the position of the proposed basement relative the neighbouring properties. |
| 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. |

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? | Topographical maps acquired as part of the desk study and 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? | A site walkover confirmed the current site conditions and the details provided on the proposed development, including reference to the FRA for the site. |
| 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 known to be at risk from surface water flooding such as South Hampstead, West Hampstead, Gospel Oak and Kings Cross, or is it at risk of flooding because the proposed basement is below the static water level of a 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 and the North London Strategic Flood Risk Assessment dated 2008, and reference to the site specific FRA. |

### 12.3.2 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 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, the engineering properties of the underlying soils to enable suitable design of the basement development and the configuration of existing party wall foundations. The findings of the investigation are discussed in Section 5.0 of this report and summarized in both Section 7.0 and the Executive Summary.

### 12.3.3 Impact Assessment

Section 14.0 of this report summarises whether, on the basis of the findings of the investigation, the potential impacts still need to be given consideration and identifies ongoing risks that will require suitable engineering mitigation. Section 9.0 of this report also provides recommendations for the design of the proposed development.

A ground movement analysis and building damage assessment has been carried out and its findings are presented in Part 3.

# 13.0 Outstanding Risks & 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.

## 13.1 Site-Specific Risks

Monitoring of the standpipes should be continued to determine equilibrium groundwater levels and to establish any seasonal fluctuations. Ideally, trial excavations extending to as close to the full depth of the proposed basement as possible should be carried out to determine likely groundwater inflows into the basement excavation.

At the time of the field work GEA was not aware of the extent of the work proposed for the pool house and further work should be carried out in this area to confirm the ground conditions prior to construction, although they are considered to likely be consistent with those found elsewhere on the site.

This investigation has identified the presence of contamination and there may be a requirement for separate remediation proposals report to be prepared to comply with planning requirements. The remediation will need to be supervised and verified by a geoenvironmental engineer and a completion or validation report will also probably be required to support the planning application.

If during ground works any visual or olfactory evidence of contamination is identified it is recommended that further investigation be carried out and that the risk assessment is reviewed.

These areas of doubt should be drawn to the attention of prospective contractors and further investigation will be required or sufficient contingency should be provided to cover the outstanding risk.

## 13.2 General Risks

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 general ground conditions based on the discrete points at which the ground was sampled, but there may be ground conditions (including soil, rock, gas and groundwater) elsewhere on site that have not been revealed by this investigation and therefore could not have been taken into account in this report. The ground conditions should be subject to review as the development proceeds to ensure that any variations from the Ground Model are properly assessed by a suitably qualified person.

The comments made regarding gas and groundwater are based on observations made during the period the work has been carried out. Conditions may vary as a result of seasonal or other effects.

Where any conclusions and recommendations contained in this report have been based upon information provided by others, it has been assumed that all relevant information has been provided by those parties and that such information is accurate. Any such information has not been independently verified by GEA, unless otherwise stated in the report. GEA accepts no liability for any inaccurate conclusions, assumptions or actions taken resulting from any inaccurate information supplied to GEA from others.

# Appendix

## a. Field Work

Site Plan
Borehole Records
Trial Pit Records

## b. Lab Testing

Geotechnical Test Results
SPT & Cohesion/Depth Graph
Chemical Test Results
Generic Risk Based Screening Values

## c. Desk Study

Risk Assessment Tables
Envirocheck Extracts
Historical Maps
UXO Preliminary Risk Assessment

## d. Ground Movement Analysis

PDisp Analysis – Short Term Movement Plot
PDisp Analysis – Total Movement Plot
PDisp Analysis – Tabular Inputs and Outputs
XDisp Analysis – All Input Data
XDisp Analysis – Installation Movements
XDisp Analysis – Installation & Excavation Movements
XDisp Analysis – Tabular Inputs and Outputs
XDisp Analysis – Sensitivity Analysis Tabular Inputs and Outputs

# appendix a

## Field Work

Site Plan
Borehole Records
Trial Pit Records

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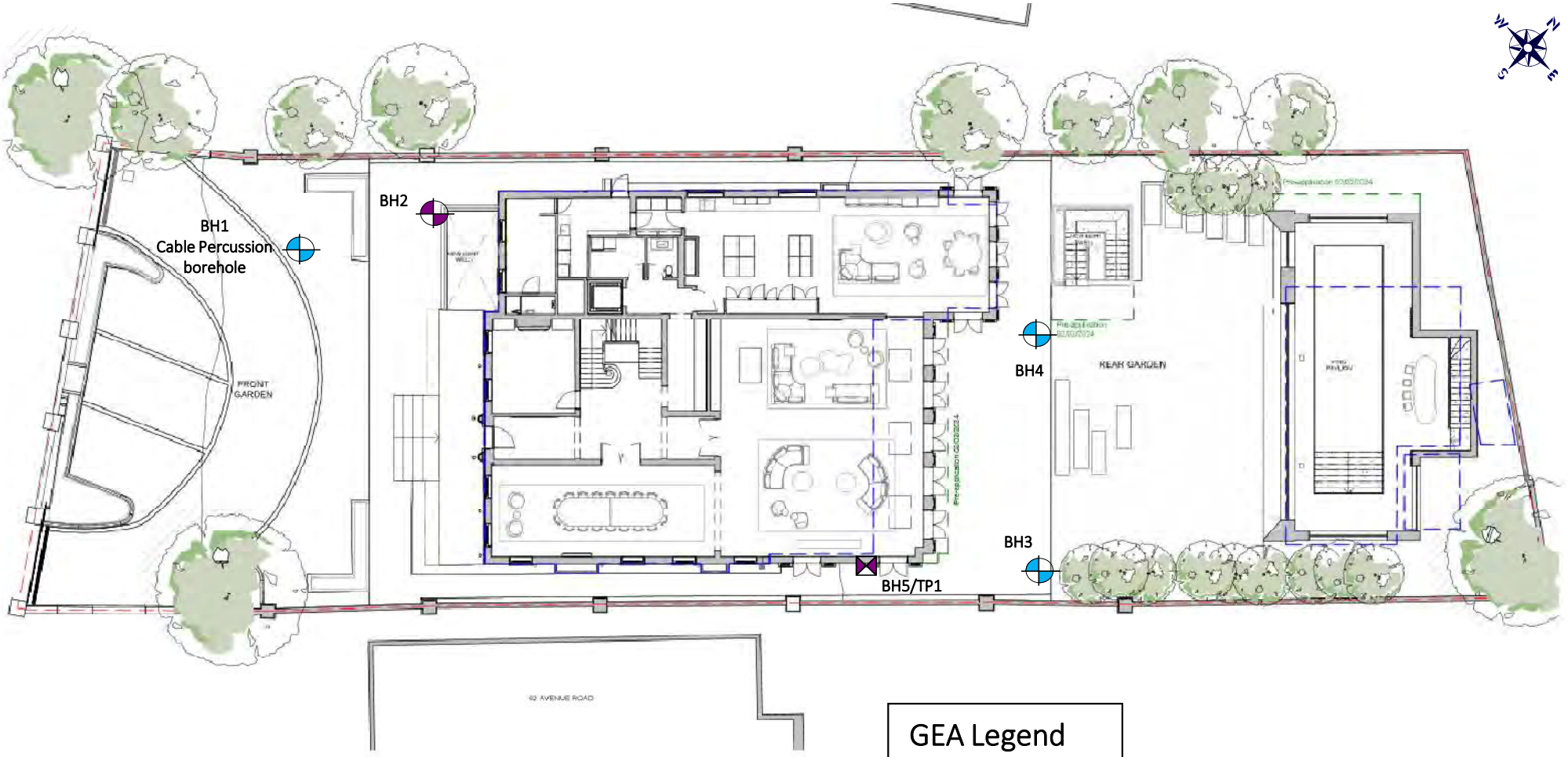
Herts | 01727 824666 Notts | 01509 674888

**Site Plan**

| | |
|---|---|
| **Site** | 64 Avenue Road, London, NW8 6HT |
| **Client** | Vivi Shina |
| **Engineer** | Michael Barclay Partnership |

**Job Number**
J24140

**Dates**
10/07/24




## GEA Legend

- Trial pit
- Borehole
- Borehole with standpipe

ANNOTATION KEY

0 2 4 8
Scale 1:200

DRAFT

KSR ARCHITECTS & INTERIOR DESIGNERS

21037 - 64 AVENUE ROAD

Proposed Site Plan

21037-P002

GEA

Geotechnical & Environmental Associates

| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH1** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 17-06-24 | 46.23 | | |
| **Client** | Engineer | | | Sheet |
| Vivi Shina | Michael Barclay Partnership | | | 1 of 3 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| | | | | 46.13 | | 0.10 | Cobble surfacing. | |
| 0.30 | D1 | | | 45.93 | | 0.30 | Building sand. | |
| 0.50 | B1 | | | 45.73 | | 0.50 | Concrete. | |
| 1.00 | D2 | | | | | (1.00) | (Made ground) pale grey-brown, slightly clayey gravelly sand. Gravel is fine to coarse, angular to sub-angular, brick, concrete, and flint. Sand is fine to | |
| 1.20 | D3 | 1,1/1,2,2,2 N60 = 8 | | 44.73 | | 1.50 | coarse. | |
| 1.75 | D4 | | | | | | Brown fissured blue-grey slightly silty firm becoming stiff CLAY. | |
| 2.00 | U100 | | | | | | | |
| 2.75 | D5 | | | | | | | |
| 3.00 | D6 | 2,2/2,3,3,3 N60 = 12 | | | | | | |
| 3.75 | D7 | | | | | | | |
| 4.00-4.45 | U100 | | | | | | | |
| 4.25 | D8 | | | | | | | |
| 5.00 | D9 | 2,3/4,4,5,5 N60 = 20 | | | | (8.30) | | |
| 6.00-6.45 | U100 | | | | | | | |
| 6.50 | D10 | | | | | | | |
| 7.50 | D11 | | | | | | | |
| 8.00 | D12 | 3,3/4,5,5,7 N60 = 23 | | | | | | |
| 9.00 | D13 | | | | | | | |
| 9.50-9.95 | U100 | | | 36.43 | | 9.80 | | |
| | | | | | | | Blue grey silty sandy firm to stiff CLAY. | |

**Boring Progress and Water Observations**

| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
|---|---|---|---|---|---|
| | | | | | |

**GENERAL REMARKS**

End of log at 20.0 m below ground level, target depth.
Standpipe installed to 5.0 m with 1.5 m straight pipe and 3.5 m slotted pipe.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Cable percussion rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

GEA

Geotechnical & Environmental Associates

| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH1** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 17-06-24 | 46.23 | | |
| **Client** | Engineer | | | Sheet |
| Vivi Shina | Michael Barclay Partnership | | | 2 of 3 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| 10.00 | D14 | | | | | | Blue grey silty sandy firm to stiff CLAY.(continued) | |
| 11.00 | D15 | 3,4/6,6,8,9 N60 = 32 | | | | | | |
| 12.00 | D16 | | | | | | | |
| 12.50-12.95 | U100 | | | | | | | |
| 13.50 | D17 | | | | | | | |
| 14.00 | D18 | 3,5/6,8,9,11 N60 = 37 | | | | (8.20) | | |
| 15.00 | D19 | | | | | | | |
| 15.50-15.95 | U100 | | | | | | | |
| 16.50 | D20 | | | | | | | |
| 17.00 | D21 | 4,6/8,10,12,12 N60 = 46 | | 28.23 | | 18.00 | | |
| 18.00 | D22 | | | | | | Blue grey slightly sandy fissured CLAY. | |
| 18.50 | D23 | | | | | | | |
| | | | | 26.23 | | (2.00) 20.00 | | |

**Boring Progress and Water Observations**

| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
|---|---|---|---|---|---|
| | | | | | |

**GENERAL REMARKS**

End of log at 20.0 m below ground level, target depth.
Standpipe installed to 5.0 m with 1.5 m straight pipe and 3.5 m slotted pipe.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Cable percussion rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

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| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH1** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 17-06-24 | 46.23 | | |
| **Client** | | Engineer | | Sheet |
| Vivi Shina | | Michael Barclay Partnership | | 3 of 3 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| 20.00 | D24 | 5,4/5,7,10,11 N60 = 36 | | | | | | |

Boring Progress and Water Observations

| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
|---|---|---|---|---|---|
| | | | | | |

GENERAL REMARKS

End of log at 20.0 m below ground level, target depth.
Standpipe installed to 5.0 m with 1.5 m straight pipe and 3.5 m slotted pipe.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Cable percussion rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

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Geotechnical & Environmental Associates

| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH2** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 19-06-24 | 47.50 | | |
| **Client** | | Engineer | | Sheet |
| Vivi Shina | | Michael Barclay Partnership | | 1 of 1 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| 0.40 | ES1 | 0,0/0,3,1,1 N60 = 5 | | 46.20 | | (1.30) 1.30 | (Made ground) pale grey-brown, slightly clayey gravelly sand. Gravel is fine to coarse, angular to sub-angular, brick, concrete and flint. Sand is fine to coarse. 0.60 Becomes: (Made ground) slightly gravelly slightly sandy clay. | |
| | | 0,2/2,3,3,4 N60 = 12 | | | | | Brown slightly silty firm becoming stiff CLAY. | |
| | | 1,1/3,2,4,4 N60 = 14 | | | | (3.70) | 3.20 Trace light brown fissures with rootlets within the fissures. 3.50 Trace grey fissures with trace rootlets within the fissures. | |
| | | 2,3/3,3,4,4 N60 = 15 | | | | | | |
| | | 2,3/4,4,3,4 N60 = 16 | | 42.50 | | 5.00 | 4.80 Some selenite crystals. | |

| Boring Progress and Water Observations | | | | | |
|---|---|---|---|---|---|
| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
| | | | | | |

**GENERAL REMARKS**

End of log at 5.0 m below ground level, target depth.
Backfilled with arisings.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Tracked terrier rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

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| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH3** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 19-06-24 | 48.20 | | |
| **Client** | Engineer | | | Sheet |
| Vivi Shina | Michael Barclay Partnership | | | 1 of 1 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| | | | | 48.18 | | 0.02 | Flagstone. | |
| | | | | 48.00 | | 0.20 | Concrete. | |
| | | | | 47.70 | | 0.50 | (Made ground) pale grey-brown gravelly sand. Gravel is fine to coarse, angular to sub-angular, concrete and flint. Sand is fine to coarse. | |
| 0.50 | ES1 | 0,0/0,1,2,2 N60 = 5 | | | | | Brown fissured blue-grey slightly silty firm becoming stiff CLAY. | |
| | | 0,0/2,3,2,3 N60 = 10 | | | | | | |
| | | | | | | (4.50) | 2.60 Some yellow-brown silty CLAY mottling. | |
| | | 1,2/3,4,4,5 N60 = 17 | | | | | 3.30 Some selenite crystals. 3.50 Trace roolets within the fissures. | |
| | | 2,3/3,4,5,5 N60 = 18 | | | | | 4.20 Trace yellow-brown silty CLAY mottling. | |
| | | | | 43.20 | | 5.00 | | |
| | | 3,2/4,3,5,5 N60 = 18 | | | | | | |

| Boring Progress and Water Observations | | | | | |
|---|---|---|---|---|---|
| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
| | | | | | |

**GENERAL REMARKS**

End of log at 5.0 m below ground level, target depth.
Standpipe installed to 5.0 m with 1.0 m straight pipe and 4.0 m slotted pipe to the base.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Tracked terrier rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

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| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH4** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 19-06-24 | 48.05 | | |
| **Client** | Engineer | | | Sheet |
| Vivi Shina | Michael Barclay Partnership | | | 1 of 1 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| | | | | 48.03 | | 0.02 | Flagstone | |
| | | | | 47.97 | | 0.08 | Concrete | |
| 0.40 | ES1 | | | 47.55 | | 0.50 | (Made ground) pale grey-brown gravelly sand. Gravel is fine to coarse, angular to sub-angular, brick, concrete, flint. Sand is fine to coarse. | |
| | | 0,0/0,1,2,3 N60 = 6 | | | | | Brown fissured blue-grey slightly silty firm becoming stiff CLAY. 0.80 Becomes silty CLAY with grey fissures. 1.10 Orange-brown mottles. 1.20 Some roots within the fissures. | |
| | | 0,1/2,3,4,3 N60 = 12 | | | | | 2.50 Selenite crystals. | |
| | | | | | | (4.50) | | |
| | | 2,2/2,3,4,4 N60 = 14 | | | | | 3.10 Becomes less fissured. | |
| | | 1,2/3,4,4,5 N60 = 17 | | | | | | |
| | | | | 43.05 | | 5.00 | 4.70 Becomes fissured with blue-grey fissures. 4.90 ~ 10mm diameter root. | |
| | | 4,3/4,4,4,5 N60 = 18 | | | | | | |

| Boring Progress and Water Observations | | | | | |
|---|---|---|---|---|---|
| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
| | | | | | |

**GENERAL REMARKS**

End of log at 5.0 m below ground level, target depth.
Standpipe installed to 5.0 m with 1.0 m straight pipe and 4.0 m slotted pipe to the base.
No groundwater encountered.

| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Tracked terrier rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

GEA

Geotechnical & Environmental Associates

| Project | | | | BOREHOLE No |
|---|---|---|---|---|
| 64 Avenue Road, London NW8 6HT | | | | **BH5** |
| Job No | Date | Ground Level (m OD) | Co-Ordinates () | |
| J24140 | 19-06-24 | 48.03 | | |
| **Client** | Engineer | | | Sheet |
| Vivi Shina | Michael Barclay Partnership | | | 1 of 1 |

| SAMPLES & TESTS | | | Water | STRATA | | | | Instrument / Backfill |
|---|---|---|---|---|---|---|---|---|
| Depth | Type No | Test Result | | Reduced Level | Legend | Depth (Thick-ness) | DESCRIPTION | |
| | | | | 48.01 | | 0.02 | Flagstone | |
| | | | | 47.95 | | 0.08 | Concrete | |
| | | | | 47.63 | | 0.40 | (Made ground) pale brown gravelly sand. Gravel is fine to coarse, angular to sub-angular, brick, concrete, flint. Sand is fine to coarse. | |
| | | 0,0/0,0,1,2 N60 = 3 | | | | | Brown fissured blue-grey slightly silty firm becoming stiff CLAY. 0.80 Becomes fissured blue-grey. | |
| | | 0,2/2,2,3,4 N60 = 11 | | | | | 1.80 Yellow-brown silty clay mottling. | |
| | | | | | | (4.60) | | |
| | | 2,2/3,2,3,3 N60 = 11 | | | | | 3.10 Some rootlets within fissures. | |
| | | 1,2/2,4,4,4 N60 = 15 | | | | | 4.10 Selenite crystals, becoming less fissured. | |
| | | 2,2/3,4,4,5 N60 = 17 | | 43.03 | | 5.00 | | |

| Boring Progress and Water Observations | | | | | |
|---|---|---|---|---|---|
| Depth | Date | Time | Casing Depth | Casing Dia. mm | Water Depth |
| | | | | | |

**GENERAL REMARKS**

End of log at 5.0 m below ground level, target depth.
Backfilled with arisings.
No groundwater encountered.

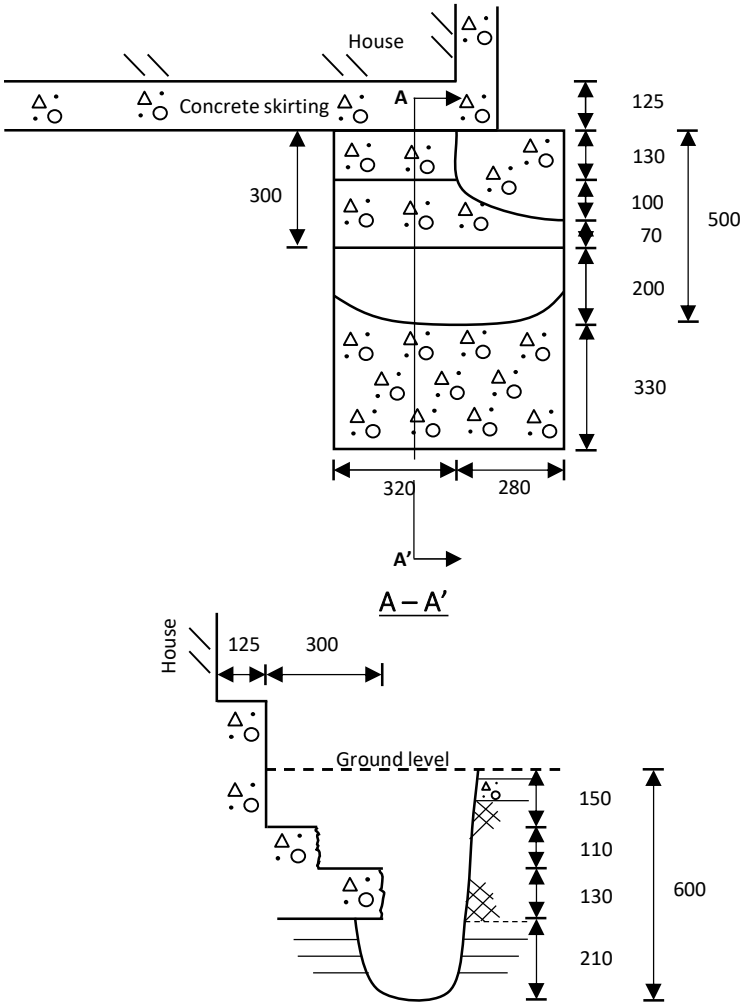
| All dimensions in metres Scale 1:62.5 | Method/ Plant Used Tracked terrier rig | Logged By AM |
|---|---|---|

Report ID: CABLE PERCUSSION || Project: J24140 - 64 AVENUE ROAD, LONDON, NW8 6HT.GPJ || Library: GEA LIBRARY.GLB || Date: 30 July 2024

| GEA | www.gea-ltd.co.uk<br>Herts \| 01727 824666 Notts \| 01509 674888 | Trial Pit<br>1 |
|---|---|---|

| | | | |
|---|---|---|---|
| **Site** | 64 Avenue Road, London, NW8 6HT | | **Job Number**<br>J24140 |
| **Client** | Vivi Shina | | **Sheet**<br>1/2 |
| **Engineer** | Michael Barclay Partnership | | **Dates**<br>19/06/2024 |
| **Excavation method**<br>**Manual** | **Dimensions**<br>500 x 600 x 600 | **Ground Level (m OD)** | **Location**<br>Refer to site plan |

## Plan




0.0 m – 0.02 m – Flagstone paving

0.02 m – 0.08 m – Concrete

0.08 m – 0.40 m – (Made ground) pale brown slightly clayey gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, flint, brick and concrete, with trace paving stones.

0.40 m – 0.60 m – Brown fissured blue-grey slightly silty CLAY.

| | |
|---|---|
| Remarks:<br>All dimensions in millimetres<br>Trial pit sides remained stable during excavation<br>Groundwater not encountered | **Scale:**<br>1:20<br>**Logged by:**<br>AM |

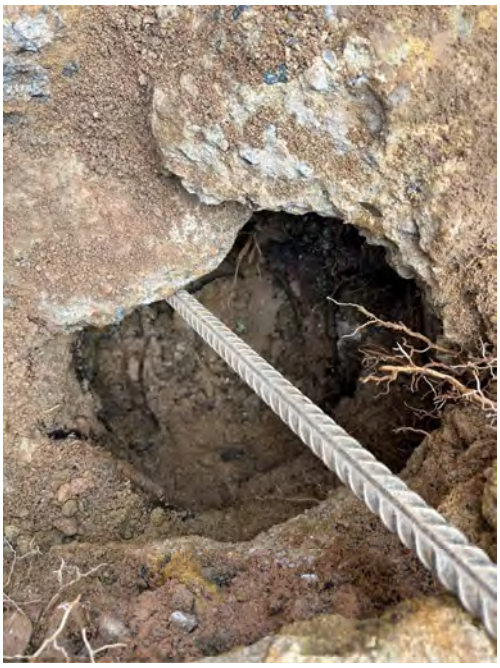
GEA
www.gea-ltd.co.uk
Herts | 01727 824666 Notts | 01509 674888

# Trial Pit

1

| | | | |
|---|---|---|---|
| **Site** | 64 Avenue Road, London, NW8 6HT | | **Job Number** J24140 |
| **Client** | Vivi Shina | | **Sheet** 2/2 |
| **Engineer** | Michael Barclay Partnership | | **Dates** 19/06/2024 |
| **Excavation method** Manual | **Dimensions** 500 x 600 x 600 | **Ground Level (m OD)** | **Location** Refer to site plan |

**TP1**



**View into TP1**

Remarks:
All dimensions in millimetres
Trial pit sides remained stable during excavation
Groundwater not encountered

**Scale:** 1:20

**Logged by:** AM

# appendix b

## Lab Testing

Geotechnical Test Results
SPT & Cohesion/Depth Graph
Chemical Test Results
Generic Risk Based Screening Values

# Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

| Job No. | Project Name | Programme | |
|---|---|---|---|
| 35583 | 64 Avenue Road, NW8 6HT | Samples received | 25/06/2024 |
| | | Schedule received | 25/06/2024 |
| Project No. | Client | Project started | 26/06/2024 |
| J24140 | GEA | Testing Started | 17/07/2024 |

| Hole No. | Sample | | | | Soil Description | NMC | Passing 425µm | LL | PL | PI | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ref | Top m | Base m | Type | | % | % | % | % | % | |
| BH1 | | 1.75 | | D | Brown slightly sandy silty CLAY with inclusion of orangish brown clayey sand and traces of selenite and chalk deposits | 31 | | | | | |
| BH1 | | 2.00 | | U | High strength brown silty CLAY gravel size selenite crystals | 28 | 100 | 77 | 32 | 45 | |
| BH1 | | 2.75 | | D | Orangish brown slightly mottled bluish grey silty CLAY with scattered selenite and traces of chalk deposits | 30 | | | | | |
| BH1 | | 3.00 | | D | Orangish brown slightly mottled bluish grey silty CLAY with traces of selenite deposits | 30 | | | | | |
| BH1 | | 3.75 | | D | Orangish brown slightly mottled bluish grey silty CLAY with traces of selenite deposits | 30 | | | | | |
| BH1 | | 4.00 | | U | Medium strength brown sandy silty CLAY with traces of selenite crystals | 31 | 100 | 79 | 32 | 47 | |
| BH1 | | 4.75 | | D | Brown and occasional bluish grey silty CLAY with coating of calcareous deposits | 30 | | | | | |
| BH1 | | 5.00 | | D | Brown slightly mottled bluish grey silty CLAY with decomposed selenite deposits | 30 | | | | | |
| BH1 | | 6.50 | | U | High strength brown sandy silty CLAY with traces of selenite crystals | 28 | 100 | 69 | 29 | 40 | |
| BH1 | | 9.50 | | U | High strength dark grey and brown silty CLAY | 28 | 100 | 76 | 32 | 44 | |
| BH1 | | 11.00 | | D | Grey silty CLAY with coating of calcareous deposits | 29 | | | | | |
| BH1 | | 12.50 | | U | High strength dark grey and brown silty CLAY with pyrite nodules | 29 | 100 | 78 | 35 | 43 | |

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**Test Methods: BS1377: Part 2: 1990:**
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3, 4.4 and 5.0
*These results only apply to the items tested*

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**Test Report by K4 SOILS LABORATORY**
**Unit 8 Olds Close Olds Approach**
**Watford Herts WD18 9RU**

**Tel: 01923 711 288**
**Email: James@k4soils.com**

**Checked and Approved**

**Initials** **K.P.**

**Date:** 18/07/2024

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

# Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

| Job No. | Project Name | Programme | |
|---|---|---|---|
| 35583 | 64 Avenue Road, NW8 6HT | Samples received | 25/06/2024 |
| | | Schedule received | 25/06/2024 |
| Project No. | Client | Project started | 26/06/2024 |
| J24140 | GEA | Testing Started | 17/07/2024 |

| Hole No. | Sample | | | | Soil Description | NMC | Passing 425µm | LL | PL | PI | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ref | Top m | Base m | Type | | % | % | % | % | % | |
| BH1 | | 14.00 | | D | Brownish grey silty CLAY | 27 | | | | | |
| BH1 | | 15.50 | | U | Very high strength dark grey sandy silty CLAY | 23 | 100 | 57 | 24 | 33 | |
| BH1 | | 17.00 | | D | Brownish grey silty CLAY | 28 | | | | | |
| BH1 | | 18.50 | | D | Brownish grey silty CLAY | 23 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | High strength dark grey and brown silty CLAY with pyrite nodules | | | | | | |

**Test Methods: BS1377: Part 2: 1990:**
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3, 4.4 and 5.0
*These results only apply to the items tested*

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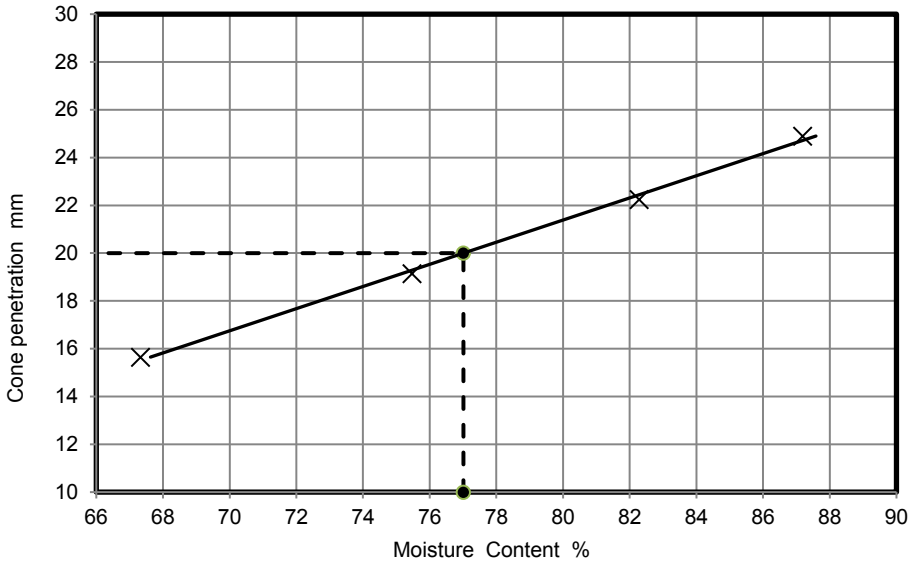
**Checked and Approved**

**Initials** K.P.

**Date:** 18/07/2024

# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

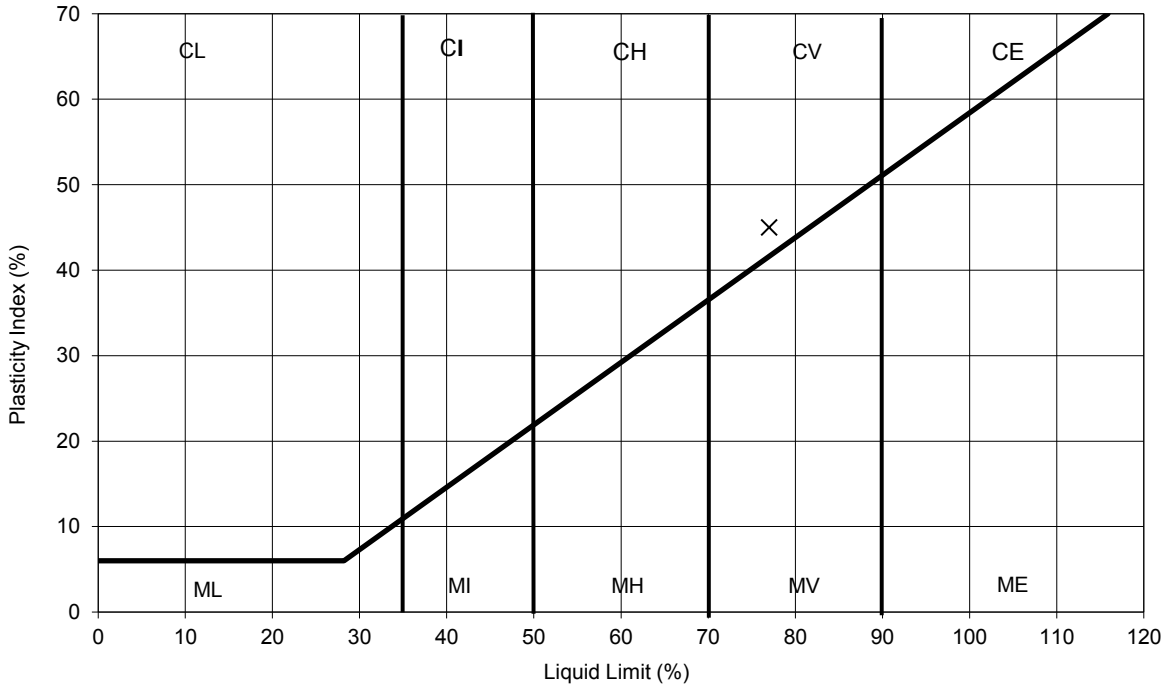
| | | | | | |
|---|---|---|---|---|---|
| | | | | Job No. | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 2.00 m |
| Soil Description | High strength brown silty CLAY gravel size selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| | | | | Project Started | 25/06/2024 |
| | | | | Date Tested | 17/07/2024 |




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **28** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **77** | **%** |
| **PLASTIC LIMIT** | **32** | **%** |
| **PLASTICITY INDEX** | **45** | **%** |

**Remarks**

## PLASTICITY INDEX

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**TEST METHOD**

BS1377: Part 2 :Clause 4.3 : 1990 Determination of the liquid limit by the cone penetrometer method
BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index
BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying

**Checked and Approved**

Initials: K.P.
Date: 18/07/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

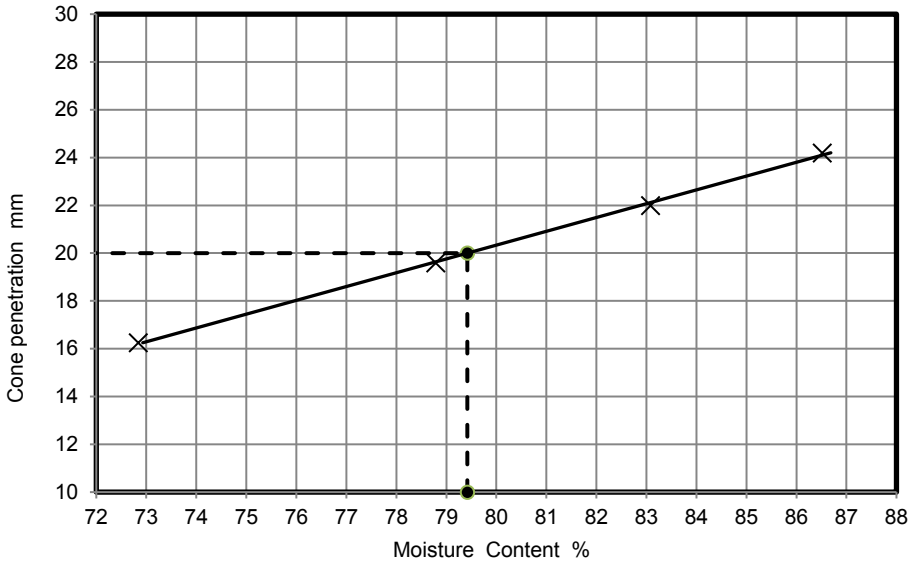
UKAS TESTING

2519

*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

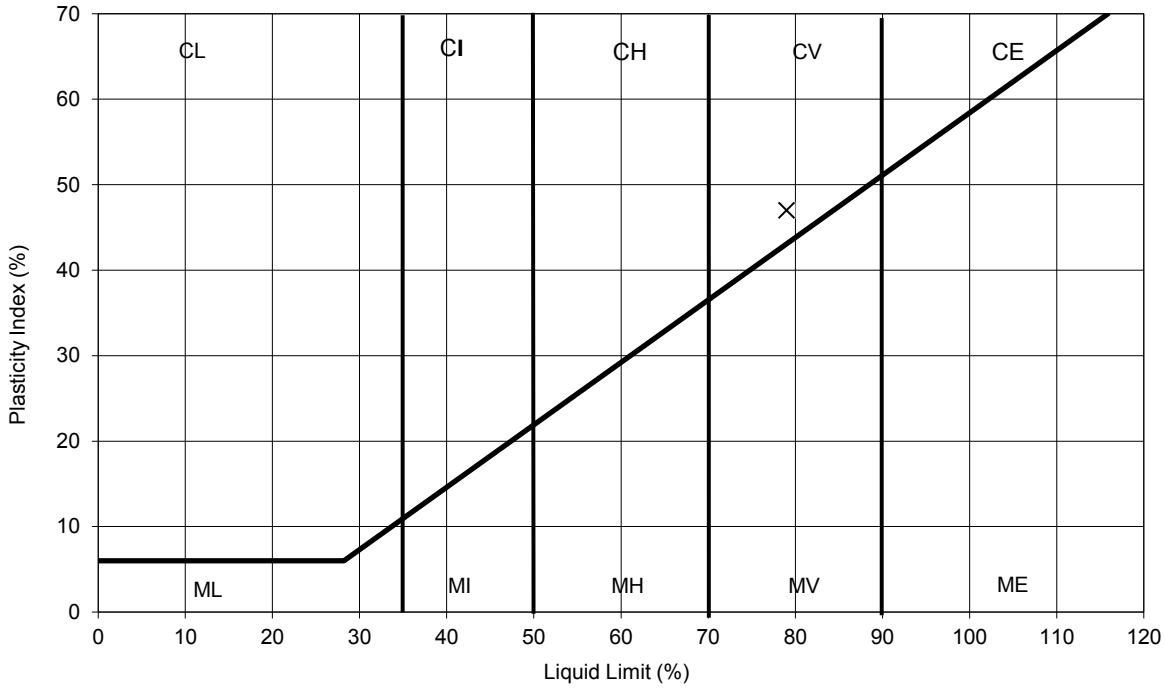
| | | | | | |
|---|---|---|---|---|---|
| | | | | Job No. | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 4.00 m |
| Soil Description | Medium strength brown sandy silty CLAY with traces of selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/024 |
| | | | | Schedules received | 25/06/2024 |
| | | | | Project Started | 26/06/2024 |
| | | | | Date Tested | 17/07/2024 |




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **31** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **79** | **%** |
| **PLASTIC LIMIT** | **32** | **%** |
| **PLASTICITY INDEX** | **47** | **%** |

**Remarks**

**PLASTICITY INDEX**

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**Checked and Approved**

Initials: K.P.
Date: 18/07/2024

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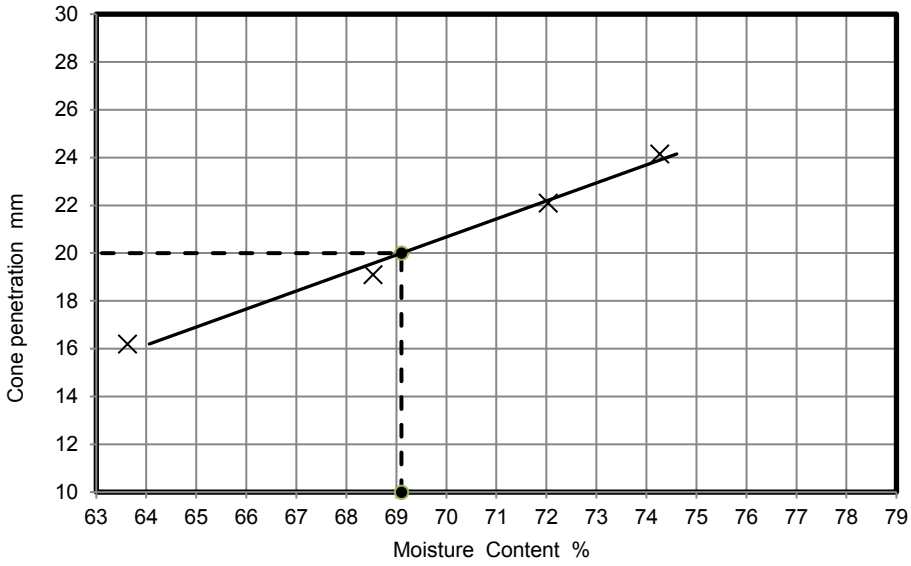
# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

| | | | | | |
|---|---|---|---|---|---|
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 6.50 m |
| Soil Description | High strength brown sandy silty CLAY with traces of selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| | | | | Project Started | 26/06/2024 |
| | | | | Date Tested | 17/07/2024 |

Job No. 35583

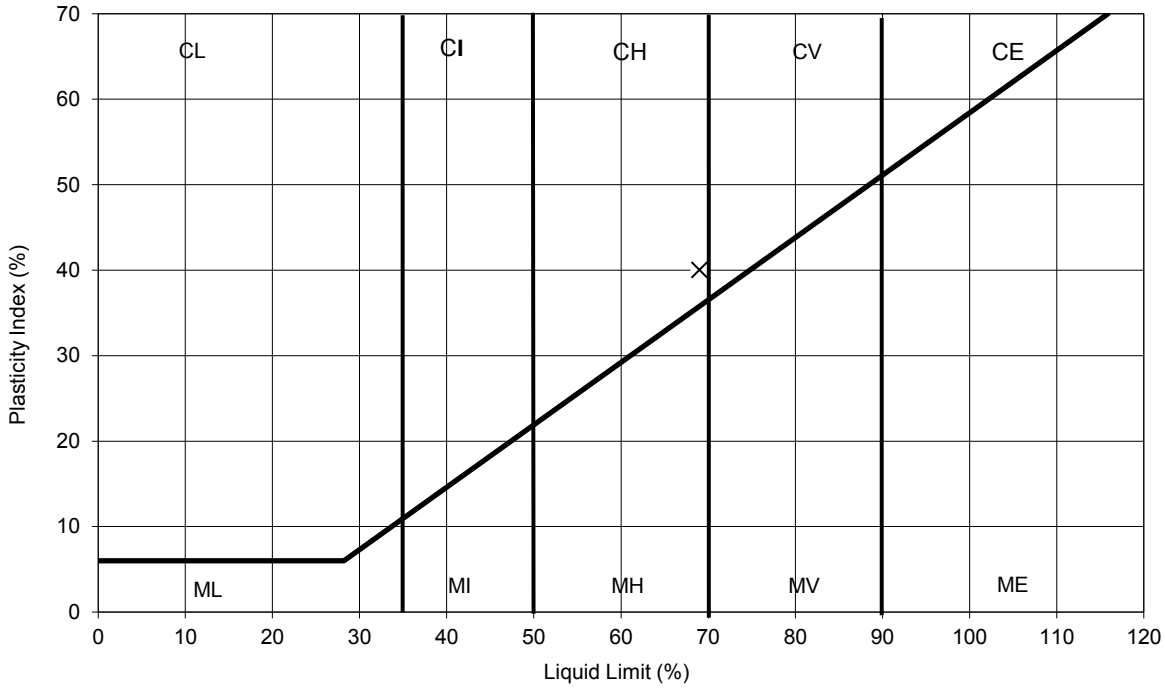
Borehole/Pit No. BH1




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **28** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **69** | **%** |
| **PLASTIC LIMIT** | **29** | **%** |
| **PLASTICITY INDEX** | **40** | **%** |

**Remarks**

## PLASTICITY INDEX

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**Checked and Approved**

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Date: 18/07/2024

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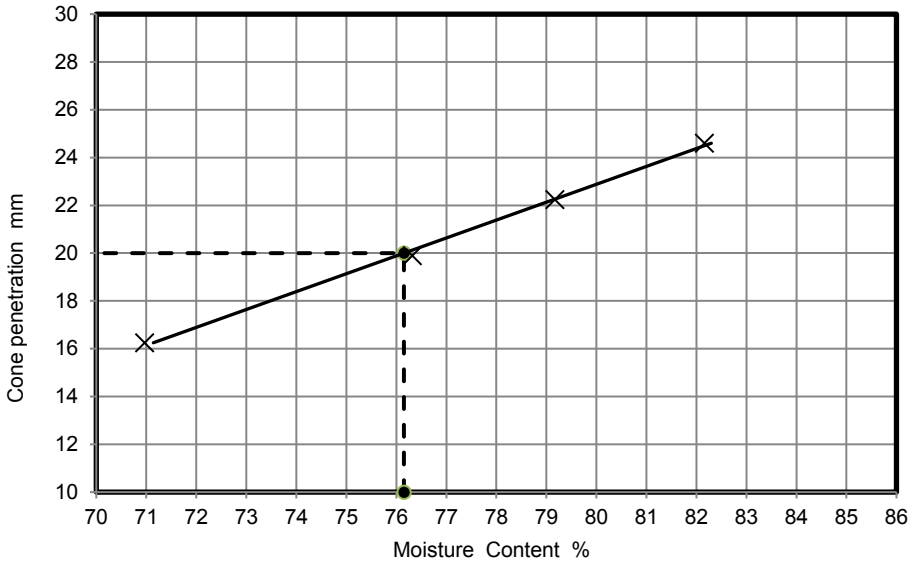
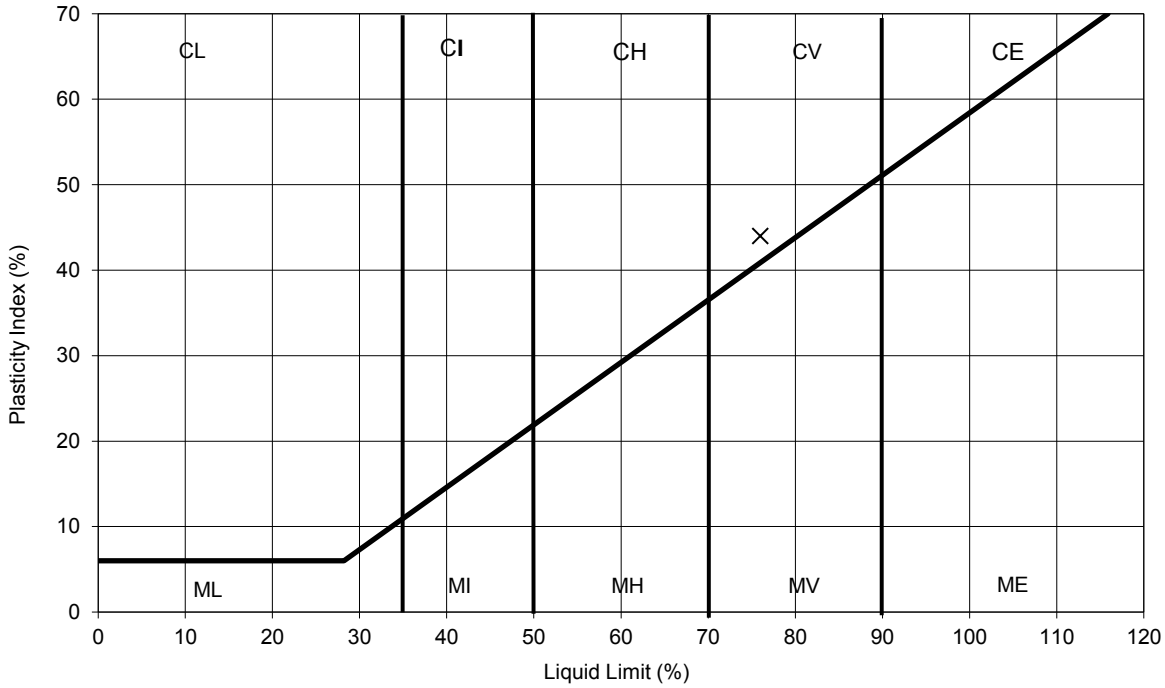
| | | | | | |
|---|---|---|---|---|---|
| | **LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX** | | | Job No. | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 9.50 m |
| Soil Description | High strength dark grey and brown silty CLAY | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| | | | | Project Started | 25/06/2024 |
| | | | | Date Tested | 17/07/2024 |




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **28** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **76** | **%** |
| **PLASTIC LIMIT** | **32** | **%** |
| **PLASTICITY INDEX** | **44** | **%** |

**Remarks**

**PLASTICITY INDEX**

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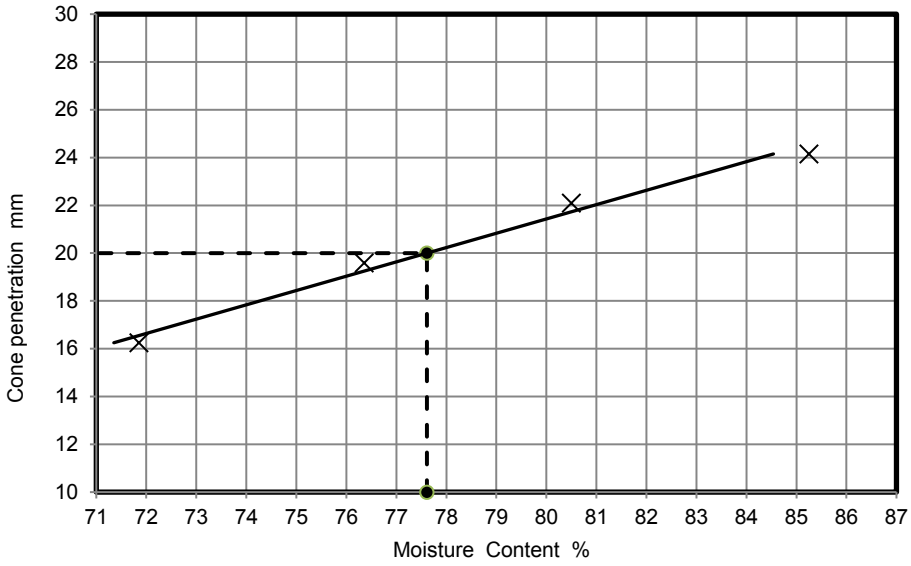
# LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

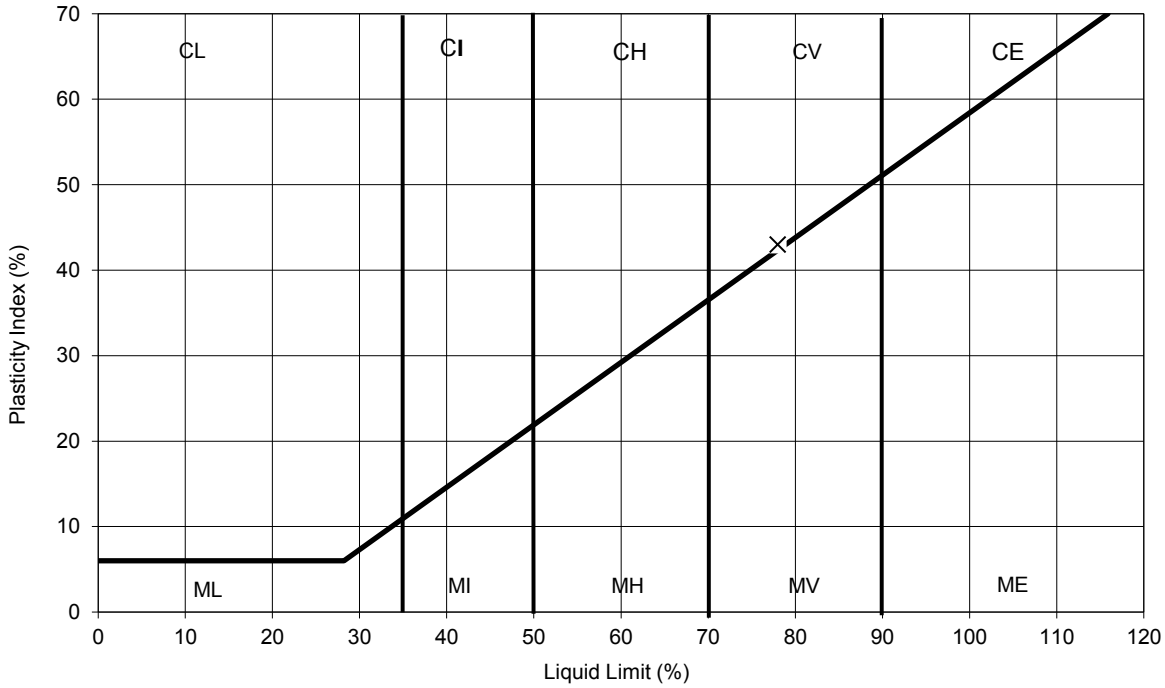
| | | | | | |
|---|---|---|---|---|---|
| | | | | Job No. | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 12.50 m |
| Soil Description | High strength dark grey and brown silty CLAY with pyrite nodules | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| | | | | Project Started | 26/06/2024 |
| | | | | Date Tested | 17/07/2024 |




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **29** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **78** | **%** |
| **PLASTIC LIMIT** | **35** | **%** |
| **PLASTICITY INDEX** | **43** | **%** |

**Remarks**

**PLASTICITY INDEX**

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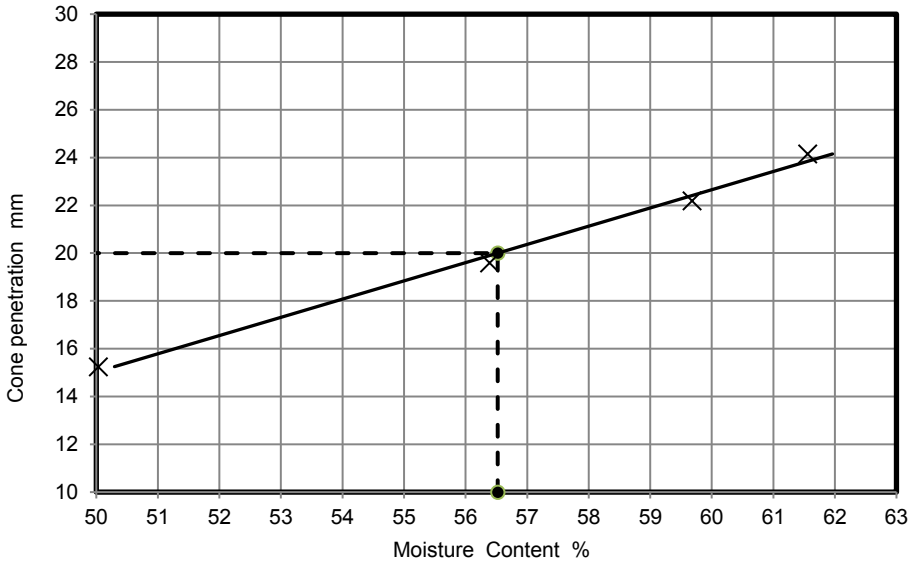
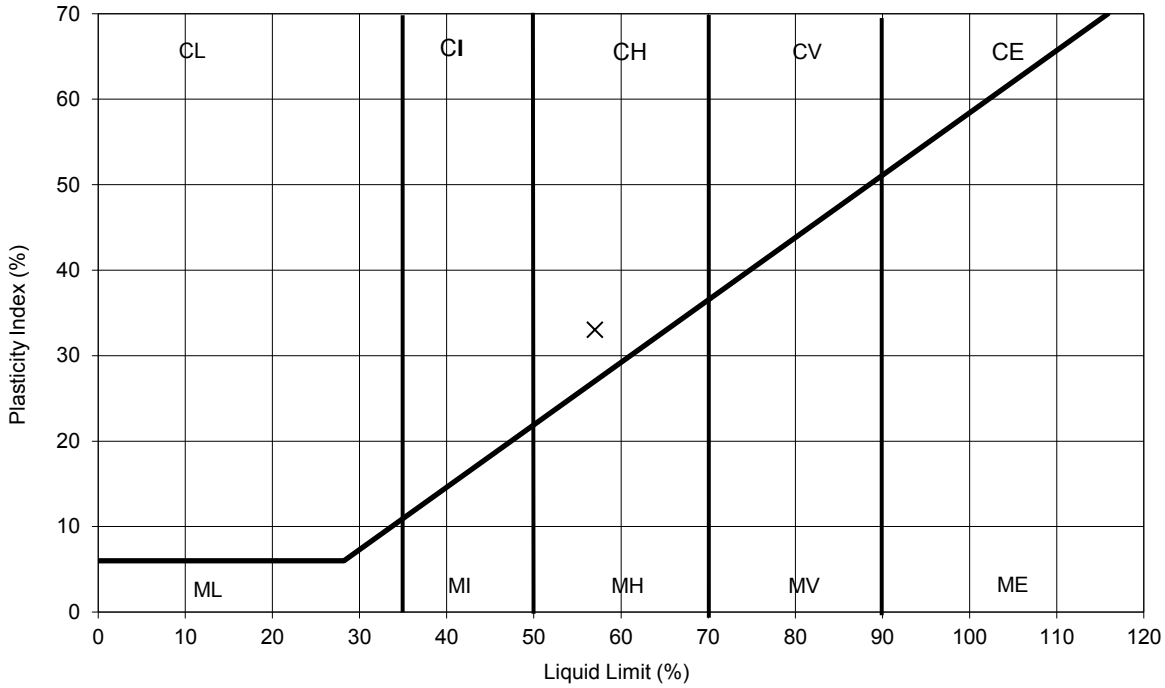
| | | | | | |
|---|---|---|---|---|---|
| | **LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX** | | | Job No. | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | |
| Project No. | J24140 | Client | GEA | Depth Top | 15.50 m |
| Soil Description | Very high strength dark grey sandy silty CLAY | | | Depth Base | m |
| | | | | Sample Type | U |
| | | | | Samples received | |
| | | | | Schedules received | 00/01/1900 |
| | | | | Project Started | |
| | | | | Date Tested | 17/07/2024 |




| | | |
|---|---|---|
| **NATURAL MOISTURE CONTENT** | **23** | **%** |
| **% PASSING 425µm SIEVE** | **100** | **%** |
| **LIQUID LIMIT** | **57** | **%** |
| **PLASTIC LIMIT** | **24** | **%** |
| **PLASTICITY INDEX** | **33** | **%** |

**Remarks**

**PLASTICITY INDEX**

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**TEST METHOD**

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Date: 18/07/2024

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*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

# Unconsolidated Undrained Triaxial Compression tests without measurement of pore pressure
## Summary of Results

**Tests carried out in accordance with BS1377:Part 7 : 1990 clause 8 or 9 as appropriate to test**

| Job No. | Project Name | Programme | |
|---|---|---|---|
| 35583 | 64 Avenue Road, NW8 6HT | Samples received | 25/06/2024 |
| | | Schedule received | 25/06/2024 |
| Project No. | Client | Project started | 26/06/2024 |
| J24140 | GEA | Testing Started | 05/07/2024 |

| Hole No. | Sample Ref | Sample Top m | Sample Base m | Sample Type | Soil Description | Test Type | Density bulk Mg/m3 | Density dry Mg/m3 | w % | Length mm | Diameter mm | σ3 kPa | At failure Axial strain % | At failure σ1 - σ3 kPa | At failure cu kPa | At failure Mode | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BH1 | | 2.00 | | U | High strength brown silty CLAY gravel size selenite crystals | UU | 2.00 | 1.56 | 29 | 198 | 102 | 40 | 4.5 | 231 | 116 | B | |
| BH1 | | 4.00 | | U | Medium strength brown sandy silty CLAY with traces of selenite crystals | UU | 1.96 | 1.49 | 32 | 198 | 102 | 80 | 8.6 | 140 | 70 | C | |
| BH1 | | 6.50 | | U | High strength brown sandy silty CLAY with traces of selenite crystals | UU | 1.99 | 1.55 | 28 | 198 | 102 | 130 | 5.6 | 230 | 115 | B | |
| BH1 | | 9.50 | | U | High strength dark grey and brown silty CLAY | UU | 1.97 | 1.52 | 30 | 198 | 102 | 190 | 8.1 | 248 | 124 | B | |
| BH1 | | 12.50 | | U | High strength dark grey and brown silty CLAY with pyrite nodules | UU | 1.97 | 1.55 | 27 | 198 | 102 | 250 | 5.6 | 257 | 129 | B | |
| BH1 | | 15.50 | | U | Very high strength dark grey sandy silty CLAY | UU | 2.09 | 1.7 | 22 | 198 | 102 | 310 | 6.6 | 357 | 179 | C | |
| | | | | | | | | | | | | | | | | | |
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Legend
UU - single stage test (single and multiple specimens) σ3 Cell pressure Mode of failure ; B - Brittle
UUM - Multistage test on a single specimen σ1 - σ3 Maximum corrected deviator stress P - Plastic
suffix R - remoulded or recompacted cu Undrained shear strength, ½ (σ1 - σ3) C - Compound


**Test Report by K4 SOILS LABORATORY**
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**Email: james@k4soils.com**


**Checked and Approved**

Initials: K.P.

Date: 18/07/2024


*These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory*

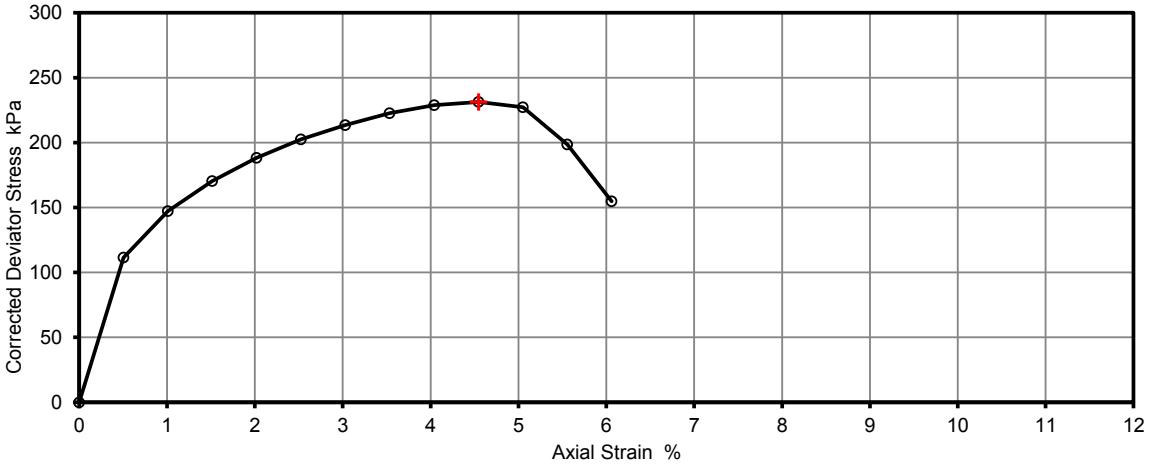
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 2.00 m |
| Soil Description | High strength brown silty CLAY gravel size selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

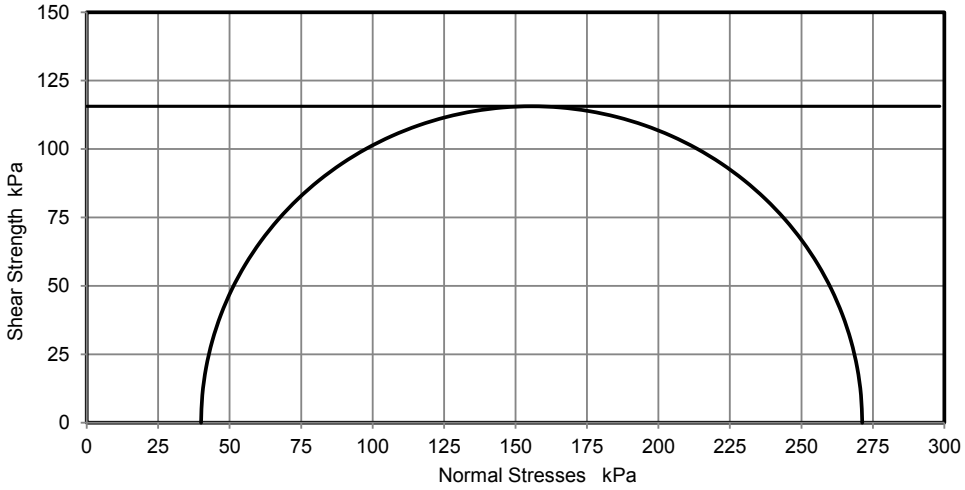
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 2.00 | Mg/m3 |
| Moisture Content | 29 | % |
| Dry Density | 1.56 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 40 | kPa |
| Axial Strain | 4.5 | % |
| Deviator Stress, ( σ1 - σ3 )f | 231 | kPa |
| Undrained Shear Strength, cu | 116 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Brittle | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.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**Tel: 01923 711 288 Email: James@k4soils.com**


**Checked and Approved**
Initials: K.P.
Date 18/07/2024

UKAS TESTING 2519


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*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

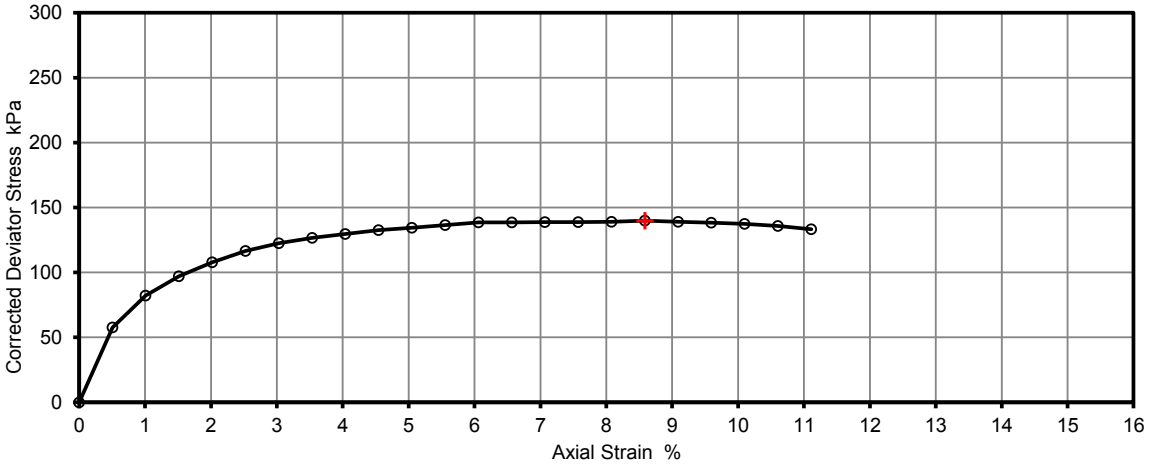
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 4.00 m |
| Soil Description | Medium strength brown sandy silty CLAY with traces of selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

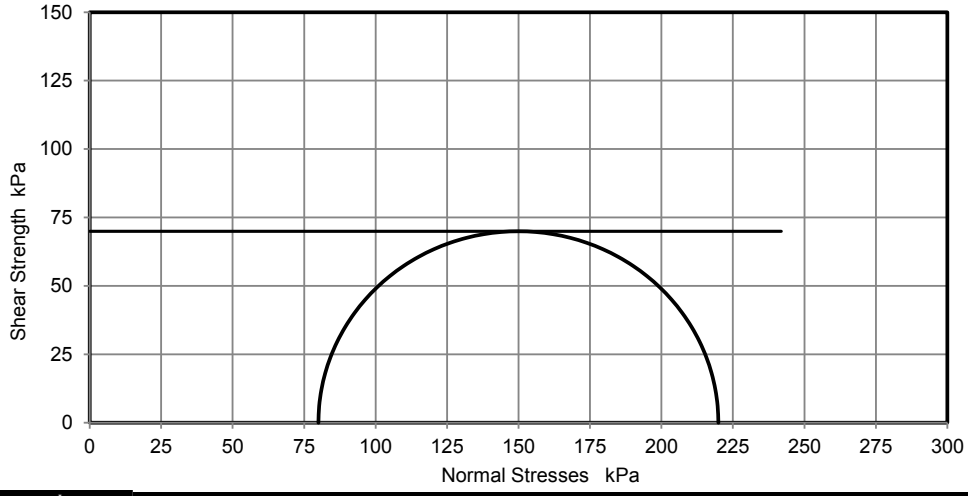
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 1.96 | Mg/m3 |
| Moisture Content | 32 | % |
| Dry Density | 1.49 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 80 | kPa |
| Axial Strain | 8.6 | % |
| Deviator Stress, ( σ1 - σ3 )f | 140 | kPa |
| Undrained Shear Strength, cu | 70 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Compound | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.


**Test Report by K4 SOILS LABORATORY**
**Unit 8 Olds Close Olds Approach**
**Watford Herts WD18 9RU**
**Tel: 01923 711 288 Email: James@k4soils.com**


**Checked and Approved**
Initials: K.P.
Date 18/07/2024


*These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory*

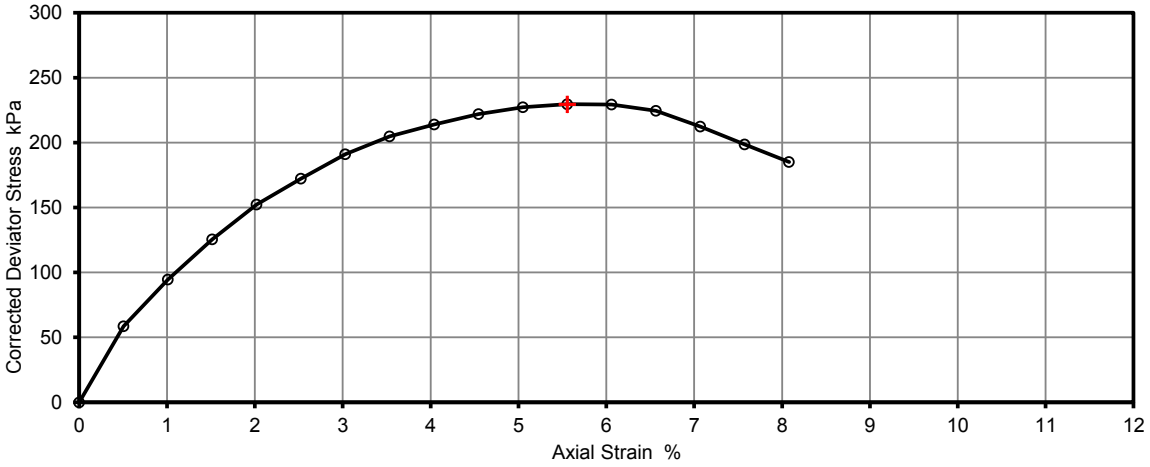
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 6.50 m |
| Soil Description | High strength brown sandy silty CLAY with traces of selenite crystals | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

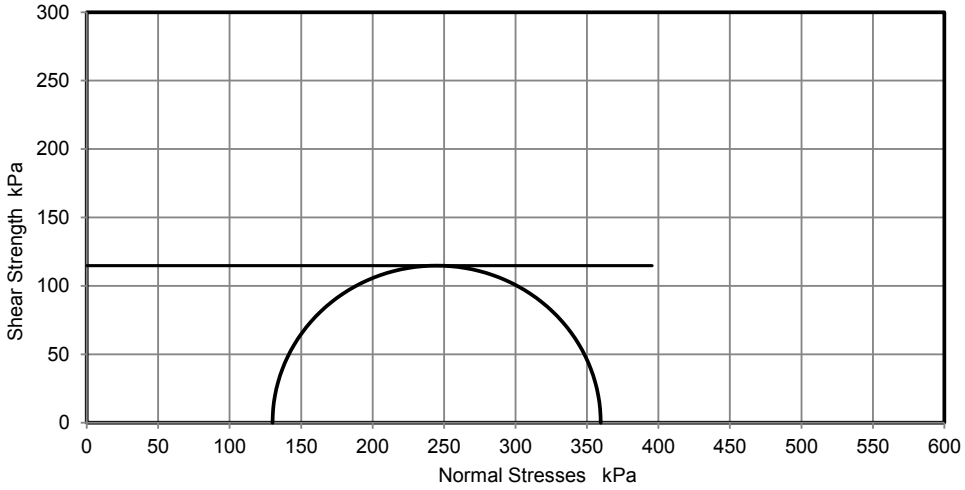
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 1.99 | Mg/m3 |
| Moisture Content | 28 | % |
| Dry Density | 1.55 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 130 | kPa |
| Axial Strain | 5.6 | % |
| Deviator Stress, ( σ1 - σ3 )f | 230 | kPa |
| Undrained Shear Strength, cu | 115 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Brittle | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

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**Checked and Approved**
Initials: K.P.
Date 18/07/2024


UKAS TESTING
2519
*These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory*


*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

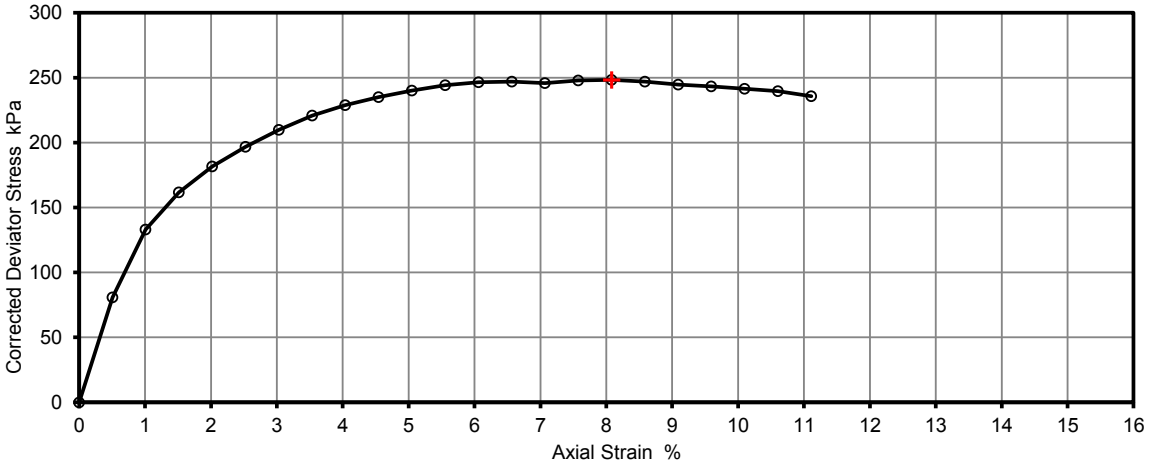
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 9.50 m |
| Soil Description | High strength dark grey and brown silty CLAY | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

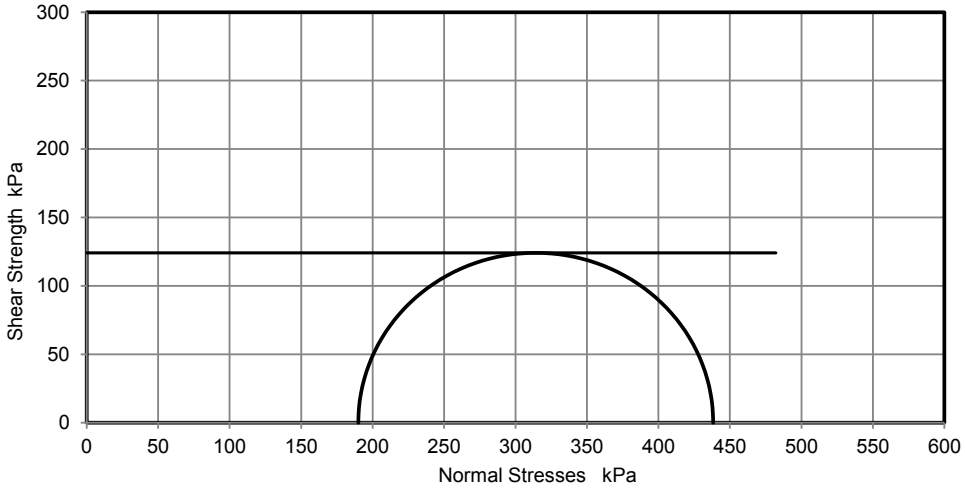
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 1.97 | Mg/m3 |
| Moisture Content | 30 | % |
| Dry Density | 1.52 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 190 | kPa |
| Axial Strain | 8.1 | % |
| Deviator Stress, ( σ1 - σ3 )f | 248 | kPa |
| Undrained Shear Strength, cu | 124 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Brittle | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

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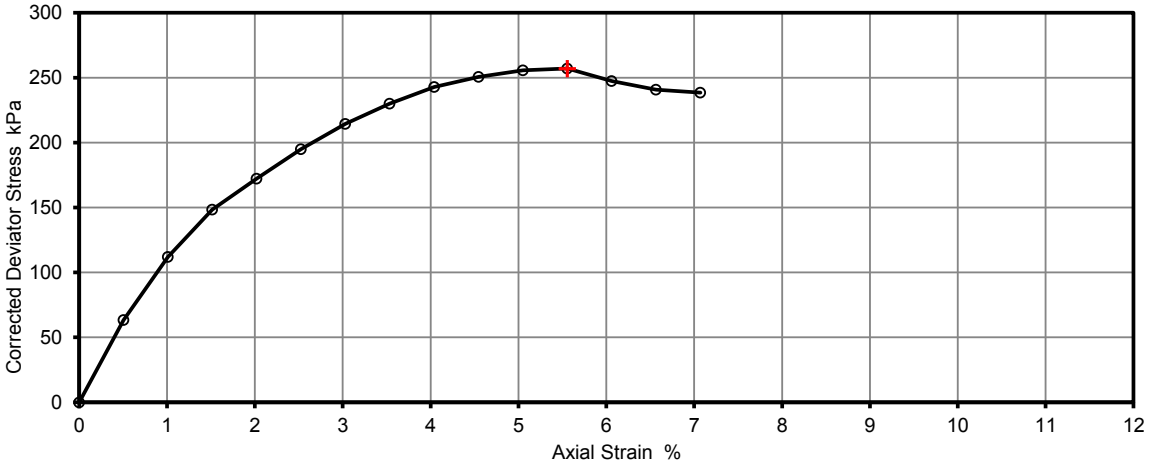
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 12.50 m |
| Soil Description | High strength dark grey and brown silty CLAY with pyrite nodules | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

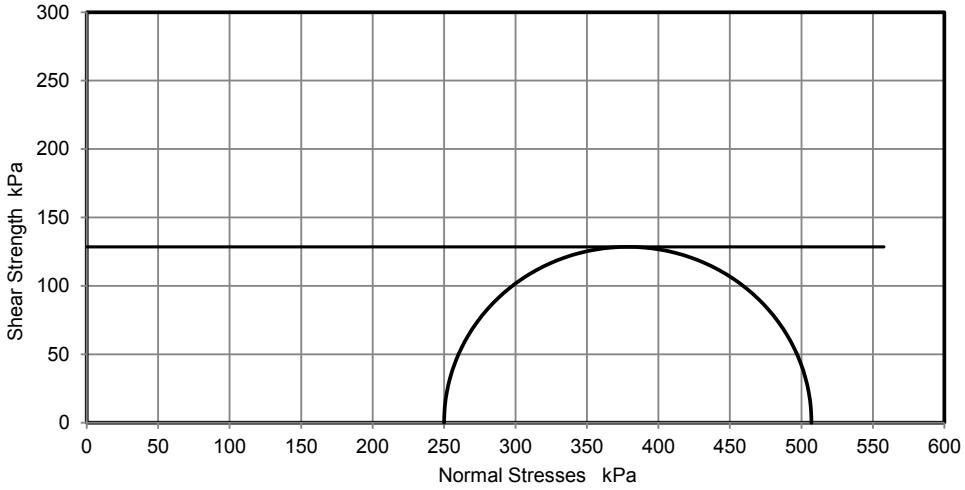
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 1.97 | Mg/m3 |
| Moisture Content | 27 | % |
| Dry Density | 1.55 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 250 | kPa |
| Axial Strain | 5.6 | % |
| Deviator Stress, ( σ1 - σ3 )f | 257 | kPa |
| Undrained Shear Strength, cu | 129 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Brittle | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

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**Watford Herts WD18 9RU**
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*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

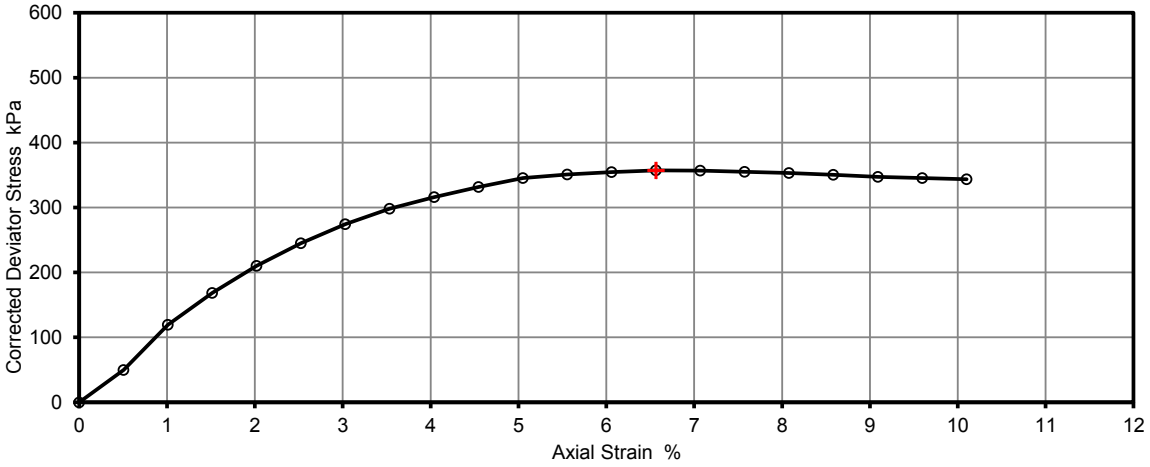
| | | | | | |
|---|---|---|---|---|---|
| | **Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - single specimen** | | | Job Ref | 35583 |
| | | | | Borehole/Pit No. | BH1 |
| Site Name | 64 Avenue Road, NW8 6HT | | | Sample No. | - |
| Project No. | J24140 | Client | GEA | Depth Top | 15.50 m |
| Soil Description | Very high strength dark grey sandy silty CLAY | | | Depth Base | - m |
| | | | | Sample Type | U |
| | | | | Samples received | 25/06/2024 |
| | | | | Schedules received | 25/06/2024 |
| Test Method | BS1377 : Part 7 : 1990, clause 8, single specimen | | | Date of test | 05/07/2024 |

**Remarks**

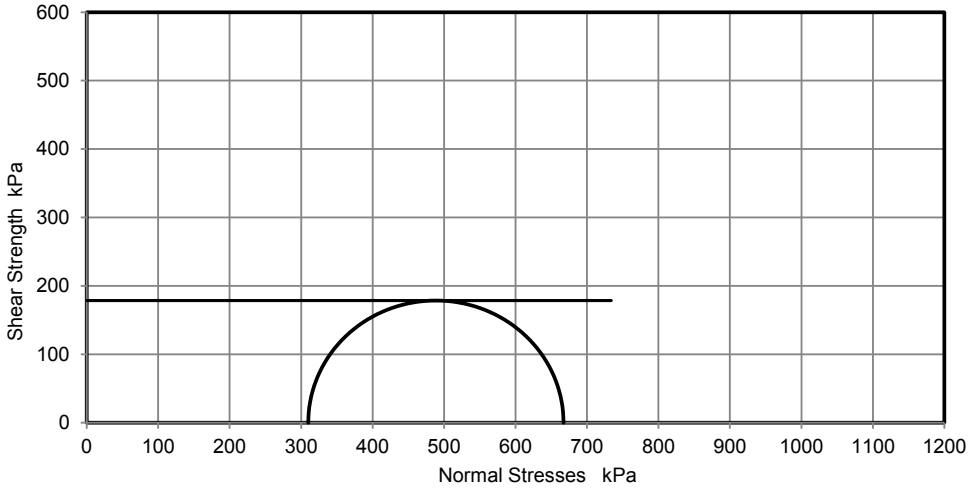
Position within sample

| | | |
|---|---|---|
| Test Number | 1 | |
| Length | 198.0 | mm |
| Diameter | 102.0 | mm |
| Bulk Density | 2.09 | Mg/m3 |
| Moisture Content | 22 | % |
| Dry Density | 1.70 | Mg/m3 |
| Rate of Strain | 1.5 | %/min |
| Cell Pressure | 310 | kPa |
| Axial Strain | 6.6 | % |
| Deviator Stress, ( σ1 - σ3 )f | 357 | kPa |
| Undrained Shear Strength, cu | 179 | kPa ½( σ1 - σ3 )f |
| Mode of Failure | Compound | |

**Deviator Stress v Axial Strain**




**Mohr Circles**




Deviator stress corrected for area change and membrane effects

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**Test Report by K4 SOILS LABORATORY**
**Unit 8 Olds Close Olds Approach**
**Watford Herts WD18 9RU**
**Tel: 01923 711 288 Email: James@k4soils.com**


**Checked and Approved**
Initials: K.P.
Date 18/07/2024

UKAS TESTING 2519


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*Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)*

## Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results

**Tested in accordance with BS1377 : Part 3 : 2018, Clause 7.6 & Clause 12**

| Job No. | Project Name | Programme | |
|---|---|---|---|
| 35583 | 64 Avenue Road, NW8 6HT | Samples received | 25/06/2024 |
| | | Schedule received | 25/06/2024 |
| Project No. | Client | Project started | 26/06/2024 |
| J24140 | GEA | Testing Started | 04/07/2024 |

| Hole No. | Sample Ref | Sample Top m | Sample Base m | Sample Type | Soil description | Dry Mass passing 2mm % | SO4 Content mg/l | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| BH1 | | 1.75 | | D | Brown slightly sandy silty CLAY with inclusion of orangish brown clayey sand and traces of selenite and chalk deposits | 100 | 2150 | 7.9 | |
| BH1 | | 3.00 | | D | Orangish brown slightly mottled bluish grey silty CLAY with traces of selenite deposits | 100 | 2250 | 7.8 | |
| BH1 | | 5.00 | | D | Brown slightly mottled bluish grey silty CLAY with decomposed selenite deposits | 100 | 3280 | 7.9 | |
| | | | | | | | | | |
| | | | | | | | | | |
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**Test Report by K4 SOILS LABORATORY**
**Unit 8 Olds Close Olds Approach**
**Watford Herts WD18 9RU**
**Tel: 01923 711 288**
**Email: James@k4soils.com**


These results only apply to the items tested

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**Checked and Approved**

**Initials K.P.**

**Date: 18/07/2024**

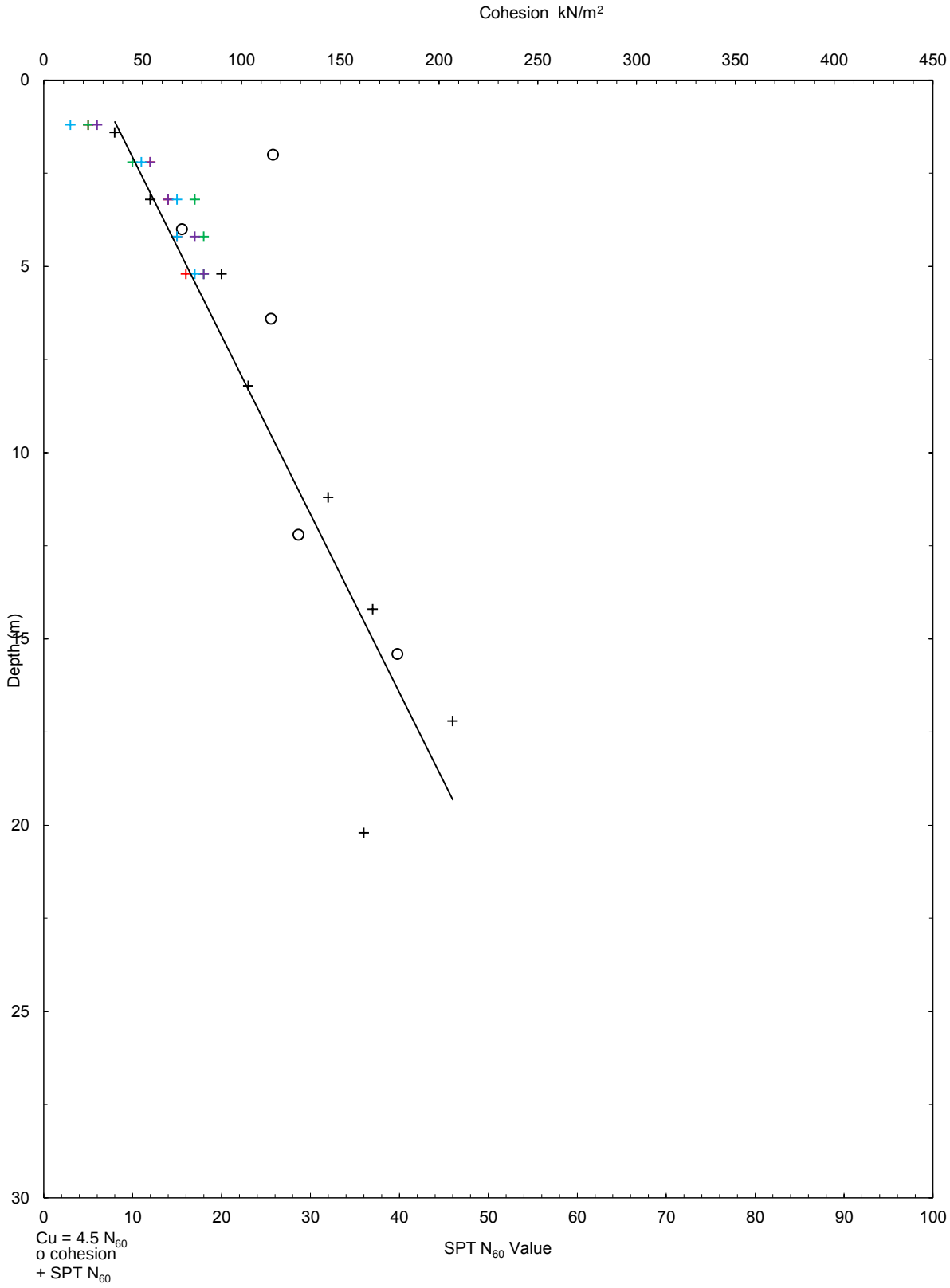
GEA
www.gea-ltd.co.uk
Herts | 01727 824666 Notts | 01509 674888

# SPT & Cohesion / Depth Graph

| | |
|---|---|
| **Site** | 64 Avenue Road |
| **Client** | Vivi Shina |
| **Engineer** | MBP |

**Job Number** J24140

**Sheet** 1 / 1



Geotechnical & Environmental Associates
Widbury Barn
Widbury Hill
Ware
Hertfordshire
SG12 7QE

**e:** and@gea-ltd.co.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

**t:** 01923 225404
**f:** 01923 237404
**e:** reception@i2analytical.com

# Analytical Report Number : 24-027390

| | | | |
|---|---|---|---|
| **Project / Site name:** | 64 Avenue Road, London NW8 6HT | **Samples received on:** | 25.06.2024 |
| **Your job number:** | J24140 | **Samples instructed on/ Analysis started on:** | 26.06.2024 |
| **Your order number:** | 599 | **Analysis completed by:** | 05.07.2024 |
| **Report Issue Number:** | 1 | **Report issued on:** | 05.07.2024 |
| **Samples Analysed:** | 1 soil sample | | |

**Signed:**

Rafał Szczepańczyk
Technical Reviewer
**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 |

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

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.

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

**Analytical Report Number: 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**
**Your Order No: 599**

| | | | | |
|---|---|---|---|---|
| **Lab Sample Number** | | | | 239529 |
| **Sample Reference** | | | | 4 |
| **Sample Number** | | | | None Supplied |
| **Depth (m)** | | | | 0.40 |
| **Date Sampled** | | | | 19/06/2024 |
| **Time Taken** | | | | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | |
| Stone Content | % | 0.1 | NONE | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 19 |
| Total mass of sample received | kg | 0.1 | NONE | 0.6 |
| **Asbestos** | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | KSZ |
| **General Inorganics** | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 8.5 |
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 940 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 530 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 0.265 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | 265 |
| Sulphide | mg/kg | 1 | MCERTS | 6.4 |
| Water Soluble Chloride (2:1) | mg/kg | 1 | MCERTS | 20 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1 |
| **Total Phenols** | | | | |
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 |
| **Speciated PAHs** | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 0.27 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.65 |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.56 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.34 |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.37 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.55 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 0.3 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 0.3 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | < 0.05 |
| **Total PAH** | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 3.35 |

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**Analytical Report Number: 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**
**Your Order No: 599**

| | | | | |
|---|---|---|---|---|
| **Lab Sample Number** | | | | 239529 |
| **Sample Reference** | | | | 4 |
| **Sample Number** | | | | None Supplied |
| **Depth (m)** | | | | 0.40 |
| **Date Sampled** | | | | 19/06/2024 |
| **Time Taken** | | | | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | |
| **Heavy Metals / Metalloids** | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 44 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 24 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 160 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 17 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 86 |
| **Petroleum Hydrocarbons** | | | | |
| TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$ | mg/kg | 1 | NONE | < 1.0 |
| TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 2 | MCERTS | < 2.0 |
| TPH (>EC10 - EC35) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | NONE | 22 |
| TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 4 | MCERTS | < 4.0 |
| TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | < 10 |
| TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | 15 |
| TPH Total >EC8 - EC35 $_{EH\_CU+HS\_1D\_TOTAL}$ | mg/kg | 10 | NONE | 22 |
| TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | 25 |

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

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**Analytical Report Number : 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

* 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 * |
|---|---|---|---|---|
| 239529 | 4 | None Supplied | 0.4 | Brown clay |

**Analytical Report Number : 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

**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 |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| 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 | D | MCERTS |
| Moisture Content | Moisture content, determined gravimetrically (up to 30°C) | In-house method | L019B | W | NONE |
| Stones content of soil | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight | In-house method based on British Standard Methods and MCERTS requirements. | L019B | D | NONE |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS | In-house method | L076B/L088 | D/W | 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 | W | MCERTS |
| 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 | L080 | W | MCERTS |
| 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 | L080 | W | MCERTS |
| Chloride, water soluble, in soil | Determination of Chloride colorimetrically by discrete analyser | In-house method | L082B | D | MCERTS |

**Analytical Report Number : 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

**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 |
|---|---|---|---|---|---|
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099 | D | MCERTS |

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**
**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**
**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**
**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**
**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

## 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 - underscore to separate acronyms (exception for +) |
| + | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

# Sample Deviation Report

**Analytical Report Number : 24-027390**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

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

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

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name | Test Ref | Test Deviation |
|---|---|---|---|---|---|---|---|
| 4 | N/A | S | 239529 | c | Total cyanide in soil | L080 | c |

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# Analytical Report Number : 24-027106

| | | | |
|---|---|---|---|
| **Project / Site name:** | 64 Avenue Road, London NW8 6HT | **Samples received on:** | 25.06.2024 |
| **Your job number:** | J24140 | **Samples instructed on/ Analysis started on:** | 25.06.2024 |
| **Your order number:** | 599 | **Analysis completed by:** | 05.07.2024 |
| **Report Issue Number:** | 1 | **Report issued on:** | 05.07.2024 |
| **Samples Analysed:** | 2 soil samples | | |

**Signed:**

Rafał Szczepańczyk
Technical Reviewer
**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

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

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.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

**Analytical Report Number: 24-027106**
**Project / Site name: 64 Avenue Road, London NW8 6HT**
**Your Order No: 599**

| Lab Sample Number | | | | 238226 | 238227 |
|---|---|---|---|---|---|
| **Sample Reference** | | | | 2 | 3 |
| **Sample Number** | | | | None Supplied | None Supplied |
| **Depth (m)** | | | | 0.40 | 0.50 |
| **Date Sampled** | | | | 19/06/2024 | 19/06/2024 |
| **Time Taken** | | | | None Supplied | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | |
| Stone Content | % | 0.1 | NONE | 75.4 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 12 | 9.3 |
| Total mass of sample received | kg | 0.1 | NONE | 0.6 | 0.6 |
| **Asbestos** | | | | | |
| Asbestos in Soil Detected/Not Detected | Type | N/A | ISO 17025 | Not-detected | Not-detected |
| Asbestos Analyst ID | N/A | N/A | N/A | EC | EC |
| **General Inorganics** | | | | | |
| pH (L099) | pH Units | N/A | MCERTS | 9.8 | 11.9 |
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 |
| Total Sulphate as $SO_4$ | mg/kg | 50 | MCERTS | 2500 | 4400 |
| Water Soluble Sulphate as $SO_4$ 16hr extraction (2:1) | mg/kg | 2.5 | MCERTS | 850 | 72 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 0.425 | 0.0361 |
| Water Soluble $SO_4$ 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | 425 | 36.1 |
| Sulphide | mg/kg | 1 | MCERTS | 2.1 | 3.1 |
| Water Soluble Chloride (2:1) | mg/kg | 1 | MCERTS | 17 | 120 |
| Total Organic Carbon (TOC) - Automated | % | 0.1 | MCERTS | 1.2 | 0.3 |
| **Total Phenols** | | | | | |
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 |
| **Speciated PAHs** | | | | | |
| Naphthalene | mg/kg | 0.05 | MCERTS | 0.14 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | 0.16 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | 0.4 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | 0.43 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 4.7 | < 0.05 |
| Anthracene | mg/kg | 0.05 | MCERTS | 1.2 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 7.2 | 0.11 |
| Pyrene | mg/kg | 0.05 | MCERTS | 6.4 | 0.1 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 3.8 | 0.06 |
| Chrysene | mg/kg | 0.05 | MCERTS | 3.6 | 0.07 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | ISO 17025 | 5.4 | 0.09 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | ISO 17025 | 1.6 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 4.3 | 0.09 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 2.1 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | 0.47 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 2.2 | 0.06 |
| **Total PAH** | | | | | |
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | ISO 17025 | 44 | < 0.80 |

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The results included within the report relate only to the sample(s) submitted for testing.

**Analytical Report Number: 24-027106**
**Project / Site name: 64 Avenue Road, London NW8 6HT**
**Your Order No: 599**

| Lab Sample Number | | | | 238226 | 238227 |
|---|---|---|---|---|---|
| Sample Reference | | | | 2 | 3 |
| Sample Number | | | | None Supplied | None Supplied |
| Depth (m) | | | | 0.40 | 0.50 |
| Date Sampled | | | | 19/06/2024 | 19/06/2024 |
| Time Taken | | | | None Supplied | None Supplied |
| **Analytical Parameter (Soil Analysis)** | **Units** | **Limit of detection** | **Accreditation Status** | | |
| **Heavy Metals / Metalloids** | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 12 | 8.8 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 41 | 21 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 38 | 12 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 200 | 18 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 9.5 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 120 | 61 |
| **Petroleum Hydrocarbons** | | | | | |
| TPH (>EC8 - EC10) $_{HS\_1D\_TOTAL}$ | mg/kg | 1 | NONE | < 1.0 | < 1.0 |
| TPH (>EC10 - EC12) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 2 | MCERTS | < 2.0 | < 2.0 |
| TPH (>EC10 - EC35) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | NONE | 200 | < 10 |
| TPH (>EC12 - EC16) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 4 | MCERTS | < 4.0 | < 4.0 |
| TPH (>EC16 - EC21) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | 34 | < 10 |
| TPH (>EC21 - EC35) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | 170 | < 10 |
| TPH Total >EC8 - EC35 $_{EH\_CU+HS\_1D\_TOTAL}$ | mg/kg | 10 | NONE | 200 | < 10 |
| TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$ | mg/kg | 10 | MCERTS | 270 | < 10 |

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

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The results included within the report relate only to the sample(s) submitted for testing.

**Analytical Report Number : 24-027106**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

* 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 * |
|---|---|---|---|---|
| 238226 | 2 | None Supplied | 0.4 | Brown gravely clay with stones |
| 238227 | 3 | None Supplied | 0.5 | Brown loam and sand with gravel |

**Analytical Report Number : 24-027106**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

**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 |
|---|---|---|---|---|---|
| Asbestos identification in Soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques | In-house method based on HSG 248, 2021 | A001B | D | ISO 17025 |
| Total organic carbon (Automated) in soil | Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method) | In-house method | L009B | D | MCERTS |
| 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 | D | MCERTS |
| Moisture Content | Moisture content, determined gravimetrically (up to 30°C) | In-house method | L019B | W | NONE |
| Stones content of soil | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight | In-house method based on British Standard Methods and MCERTS requirements. | L019B | D | NONE |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil | L038B | D | MCERTS |
| Total sulphate (as SO4 in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES | In-house method | L038B | D | MCERTS |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction) | In-house method | L038B | D | MCERTS |
| Speciated PAHs and/or Semi-volatile organic compounds in soil | Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS | In-house method based on USEPA 8270 | L064B | D | MCERTS |
| Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil | Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS | In-house method | L076B/L088 | D/W | 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 | W | MCERTS |
| 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 | L080 | W | MCERTS |
| 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 | L080 | W | MCERTS |
| Chloride, water soluble, in soil | Determination of Chloride colorimetrically by discrete analyser | In-house method | L082B | D | MCERTS |

**Analytical Report Number : 24-027106**
**Project / Site name: 64 Avenue Road, London NW8 6HT**

**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 |
|---|---|---|---|---|---|
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement | In-house method | L099 | D | MCERTS |

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**
**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**
**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**
**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**
**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

## 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 - underscore to separate acronyms (exception for +) |
| + | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total |

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

GEA

Geotechnical & Environmental Associates

www.gea-ltd.co.uk

# Generic Risk-Based Soil Screening Values

| | |
|---|---|
| **Site** | 64 Avenue Road London NW8 6HT |
| **Client** | Vivi Shina |
| **Engineer** | Michael Barclay Partnership |

**Job Number** J24140

**Sheet** 1 / 2

**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 | 149 | 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** | **500** | Trigger to consider speciated testing |
| ***Chlorinated Solvents*** | | |
| 1,1,1 trichloroethane (TCA) | 9 | S4UL |
| tetrachloroethane (PCA) | 1.5 | S4UL |
| tetrachloroethene (PCE) | 0.32 | C4SL |
| trichloroethene (TCE) | 0.0097 | C4SL |
| 1,2-dichloroethane (DCA) | 0.16 | C4SL |
| vinyl chloride (Chloroethene) | 0.015 | C4SL |
| 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

# appendix c

## Desk Study

Risk Assessment Tables
Envirocheck Extracts
Historical Maps
UXO Preliminary Risk Assessment



appendix d

## Classification of Consequence

| Classification | Definition | Examples |
|---|---|---|
| **Severe (4)** | Short term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. Catastrophic damage to buildings / property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definitions of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000). | High concentrations of cyanide on the surface of an informal recreation area.<br><br>Major spillage of contaminants from site into controlled water.<br><br>Explosion, causing building collapse (can also equate to short-term human health risk if buildings are occupied). |
| **Medium (3)** | Chronic damage to Human Health ("significant harm" as defined in DETR, 2000). Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem, or organism forming part of such ecosystem (note: the definitions of ecological systems within Draft Circular on Contaminated Land, DETR, 2000). | Concentrations of a contaminant from site exceed the generic, or site-specific assessment criteria.<br><br>Leaching of contaminants from a site to a major or minor aquifer<br><br>Death of a species within a designated nature reserve. |
| **Mild (2)** | Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ("significant harm" as defined in the Draft Circular of Contaminated Land, DETR, 2000). Damage to sensitive buildings / structures / services or the environment. | Pollution of non-classified groundwater<br><br>Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability). |
| **Minor (1)** | Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services. | The presence of contaminants at such concentrations that protective equipment is required during site works.<br><br>The loss of plants in a landscaping scheme.<br><br>Discolouration of concrete. |

## Classification of Probability

| Classification | Probability |
|---|---|
| **High likelihood (4)** | There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution. |
| **Likely (3)** | There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur.<br><br>Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term. |
| **Low likelihood (2)** | There is a pollution linkage and circumstances are possible under which an event could occur.<br><br>However, it is by no means certain that even over a longer period such an event would take place, and is less likely in the shorter term. |
| **Unlikely (1)** | There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term. |

From Rudland, DJ, Lancefield, RM and Mayell, PN (2001) *Contaminated land risk assessment. A guide to good practice.* CIRIA Pub C552

## Risk Assessment Matrix

| | | Consequence | | | |
|---|---|---|---|---|---|
| | | ***Severe*** | ***Medium*** | ***Mild*** | ***Minor*** |
| **Probability** | ***High likelihood*** | **Very high risk (16)** | **High risk (12)** | **Moderate risk (8)** | Moderate / low risk (4) |
| | ***Likely*** | **High risk (12)** | **Moderate risk (9)** | Moderate / low risk (6) | Low risk (3) |
| | ***Low likelihood*** | **Moderate risk (8)** | Moderate / low risk | Low risk (3) | Very low risk (2) |
| | ***Unlikely*** | Moderate / low risk (4) | Low risk (3) | Very low risk (2) | Very low risk (1) |

| | **Description of the assessed risks and likely action required** |
|---|---|
| **Very high risk** | There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening.<br><br>This risk, if realised, is likely to result in a substantial liability.<br><br>Urgent investigation (if not undertaken already) and remediation are likely to be required. |
| **High risk** | Harm is likely to arise to a designated receptor from an identified hazard.<br><br>Realisation of the risk is likely to present a substantial liability.<br><br>Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term. |
| **Moderate risk** | It is possible that harm could arise to a designated receptor from an identified hazard. However, it is relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.<br><br>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term. |
| **Low risk** | It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. |
| **Very low risk** | There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. |

From Rudland, DJ, Lancefield, RM and Mayell, PN (2001) *Contaminated land risk assessment. A guide to good practice.* CIRIA Pub C552

# Envirocheck® Report:

## Datasheet

### Order Details:

**Order Number:**
349751847_1_1

**Customer Reference:**
J24140

**National Grid Reference:**
526930, 183950

**Slice:**
A

**Site Area (Ha):**
0.18

**Search Buffer (m):**
1000

### Site Details:

64, Avenue Road
LONDON
NW8 6HT

### Client Details:

Mr S Branch
GEA Ltd
Widbury Barn
Widbury Hill
Ware
Herts
SG12 7QE

# 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/Natural Resources Wales 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 this 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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**Report Version v53.0**

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Agency & Hydrological** | | | | | |
| BGS Groundwater Flooding Susceptibility | | | | | n/a |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 1 | | | | 1 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | | | | | |
| Integrated Pollution Prevention And Control | | | | | |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 1 | | | 3 | 18 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 4 | | | Yes | |
| Pollution Incidents to Controlled Waters | pg 4 | | | | 2 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Registered Radioactive Substances | pg 4 | | | | 7 |
| River Quality | pg 5 | | | | 1 |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 5 | | | 6 | 3 (*24) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 14 | Yes | n/a | n/a | n/a |
| Groundwater Vulnerability - Soluble Rock Risk | | | n/a | n/a | n/a |
| Groundwater Vulnerability - Local Information | | | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 14 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | | | n/a | n/a | n/a |
| Source Protection Zones | pg 14 | 1 | | 1 | |
| 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 |
| OS Water Network Lines | pg 14 | | 1 | | 1 |

| 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 Landfill Coverage | | 1 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | | | | | |
| Potentially Infilled Land (Non-Water) | pg 15 | | | | 1 |
| Potentially Infilled Land (Water) | | | | | |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | | | | | |
| Registered Waste Treatment or Disposal Sites | | | | | |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |

GEA

# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 16 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | | | | | |
| BGS Recorded Mineral Sites | | | | | |
| BGS Urban Soil Chemistry | pg 16 | | Yes | Yes | Yes |
| BGS Urban Soil Chemistry Averages | pg 19 | Yes | | | |
| CBSCB Compensation District | | | 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 19 | 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 19 | Yes | | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 19 | Yes | | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 19 | 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 |
| **Industrial Land Use** | | | | | |
| Contemporary Trade Directory Entries | pg 20 | | | 21 | 190 |
| Fuel Station Entries | pg 37 | | | 1 | 3 |
| Points of Interest - Commercial Services | pg 38 | | | 3 | 49 |
| Points of Interest - Education and Health | pg 42 | | | | 8 |
| Points of Interest - Manufacturing and Production | pg 43 | | 1 | 4 | 11 |
| Points of Interest - Public Infrastructure | pg 44 | | | | 19 |
| Points of Interest - Recreational and Environmental | pg 46 | | | 9 | 27 |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | pg 49 | | 6 | 9 | 29 |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Sensitive Land Use** | | | | | |
| Ancient Woodland | | | | | |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | pg 54 | | | | 2 |
| 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 | | | | | |
| World Heritage Sites | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **Discharge Consents**<br>Operator: Thames Water Utilities Ltd<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Barrow Hill<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Temp.0018<br>Permit Version: 1<br>Effective Date: 15th September 1989<br>Issued Date: 15th September 1989<br>Revocation Date: 5th October 2000<br>Discharge Type: Trade Effluent<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Thames<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE) | 731 | 2 | 527600 183600 |
| 2 | **Local Authority Pollution Prevention and Controls**<br>Name: Kings Dry Cleaners<br>Location: 25 Winchester Road, London, E4<br>Authority: London Borough of Waltham Forest, Environmental Health Department<br>Permit Reference: DC05<br>Dated: 6th July 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A18SW (N) | 354 | 3 | 526812 184310 |
| 3 | **Local Authority Pollution Prevention and Controls**<br>Name: Swiss Cottage Dry Cleaners<br>Location: 121 Finchley Road, London, Nw3 6hy<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC10<br>Dated: 12th January 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW) | 430 | 4 | 526626 184270 |
| 4 | **Local Authority Pollution Prevention and Controls**<br>Name: Ivy Dry Cleaner<br>Location: 4 Queens Terrace, London, Nw8 6dx<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/40583/EE1EP<br>Dated: 14th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A8NW (SW) | 448 | 5 | 526672 183539 |
| 5 | **Local Authority Pollution Prevention and Controls**<br>Name: Masterclean Dry Cleaners<br>Location: 6 Langtry Walk, London, Nw8 0du<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC38<br>Dated: 12th January 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A12NE (W) | 552 | 4 | 526352 184004 |
| 6 | **Local Authority Pollution Prevention and Controls**<br>Name: St John'S Wood Dry Cleaners<br>Location: 47 Charlbert Street, London, NW8 6JN<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 09/53345/EE1EP<br>Dated: 10th November 2009<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A8NE (S) | 625 | 5 | 527114 183327 |
| 7 | **Local Authority Pollution Prevention and Controls**<br>Name: Connoisseur Dry Cleaners<br>Location: 3-5 Fairhazel Gardens, London, Nw6 3qe<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC11<br>Dated: 12th January 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A12NE (W) | 663 | 4 | 526262 184119 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 7 | **Local Authority Pollution Prevention and Controls**<br>Name: Sqweaky Clean Professional Dry Cleaners<br>Location: 13 Fairhazel Gardens, London, Nw6 3qe<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC37<br>Dated: 12th January 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 691 | 4 | 526237 184134 |
| 8 | **Local Authority Pollution Prevention and Controls**<br>Name: Johnsons Cleaners<br>Location: 69 St Johns Wood High Street, London, Nw8 7nl<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/40583/EE1EP<br>Dated: 7th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Site Closed**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 689 | 5 | 526938 183230 |
| 8 | **Local Authority Pollution Prevention and Controls**<br>Name: Madame George<br>Location: 9 Circus Road, London, Nw8 6nx<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/39117/EE1EP<br>Dated: 7th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 691 | 5 | 526902 183227 |
| 9 | **Local Authority Pollution Prevention and Controls**<br>Name: Tempo Dry Cleaners<br>Location: 98 St Johns Wood High Street, London, Nw8 7sh<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/38279/EE1EP<br>Dated: 7th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Site Closed**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 742 | 5 | 527019 183184 |
| 10 | **Local Authority Pollution Prevention and Controls**<br>Name: B P Harmony<br>Location: 104a Finchley Road, London, NW3 5EY<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: Not Given<br>Dated: 1st July 1999<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 746 | 4 | 526471 184554 |
| 10 | **Local Authority Pollution Prevention and Controls**<br>Name: Bp Harmony<br>Location: 104a Finchley Road, LONDON, NW3 5EY<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC18<br>Dated: 1st July 1999<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br>**Status: Permitted**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 746 | 4 | 526471 184554 |
| 11 | **Local Authority Pollution Prevention and Controls**<br>Name: Chequers Textile Care Ltd<br>Location: 48 Englands Lane, London, Nw3 4ue<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC47<br>Dated: 5th December 2006<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 808 | 4 | 527498 184580 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 12 | **Local Authority Pollution Prevention and Controls**<br>Name: Elias Dry Cleaners<br>Location: 68 St Johns Wood High Street, London, Nw8 7sh<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 08/15232/EE1EP<br>Dated: 6th March 2008<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 825 | 5 | 527077 183110 |
| 13 | **Local Authority Pollution Prevention and Controls**<br>Name: Abbey Dry Cleaners<br>Location: 11 Blenheim Terrace, London, Nw8 0eh<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 07/71922/EE1EP<br>Dated: 25th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Site Closed**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 829 | 5 | 526303 183355 |
| 14 | **Local Authority Pollution Prevention and Controls**<br>Name: Bp Filling Station<br>Location: 21-41 Wellington Road, St John's Wood, LONDON, NW8 9SP<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: VR 8<br>Dated: 7th May 1999<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 840 | 5 | 526864 183080 |
| 15 | **Local Authority Pollution Prevention and Controls**<br>Name: Siciliana<br>Location: 6 Blenheim Terrace, London, Nw8 0eb<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/48997/EE1EP<br>Dated: 25th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A7NW (SW) | 885 | 5 | 526198 183395 |
| 16 | **Local Authority Pollution Prevention and Controls**<br>Name: Perfect Dry Cleaners<br>Location: 55 Abbey Road, London, NW8 0AD<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 09/74394/EE1EP<br>Dated: 23rd March 2010<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A7NW (SW) | 904 | 5 | 526069 183582 |
| 17 | **Local Authority Pollution Prevention and Controls**<br>Name: Primrose Valet<br>Location: 91 Regent'S Park Road, London, Nw1 8ur<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC53<br>Dated: 28th January 2009<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 966 | 4 | 527917 184155 |
| 18 | **Local Authority Pollution Prevention and Controls**<br>Name: Is Dry Cleaners<br>Location: 6 Canfield Gardens, London, Nw6 3bs<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC18<br>Dated: 5th February 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A17NW (NW) | 968 | 4 | 526257 184662 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 19 | **Local Authority Pollution Prevention and Controls**<br>Name: Bromptons Of Windsor Street<br>Location: 91 Boundary Road, London, Nw8 0rg<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 06/38226/EE1EP<br>Dated: 14th September 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 972 | 5 | 525983 183617 |
| | **Nearest Surface Water Feature** | A13NW (NW) | 349 | - | 526776 184286 |
| 20 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: LONDON, NW8<br>Authority: Environment Agency, Thames Region<br>Pollutant: Oils - Unknown<br>Note: Not Supplied<br>Incident Date: 2nd February 1996<br>Incident Reference: SE960054<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8SW (S) | 727 | 2 | 526800 183200 |
| 21 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: LONDON, NW8<br>Authority: Environment Agency, Thames Region<br>Pollutant: Miscellaneous - Natural<br>Note: Not Supplied<br>Incident Date: 10th September 1996<br>Incident Reference: SE960481<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A9SW (SE) | 817 | 2 | 527300 183200 |
| 22 | **Registered Radioactive Substances**<br>Name: Humana Hospital Wellington<br>Location: 27 Circus Road, LONDON, Greater London, NW8 9JG<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AB8520<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA in respect of a registration under S7 when Technetium 99M is used being =< 10 gigabecquerels<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Unknown | A8SW (S) | 794 | 2 | 526794 183133 |
| 22 | **Registered Radioactive Substances**<br>Name: Wellington Hospital<br>Location: 8a Wellington Place, LONDON, NW8 9LE<br>Authority: Environment Agency, Thames Region<br>Permit Reference: Bw7716<br>Dated: 1st December 2003<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Application has been authorised and any conditions apply to the operator**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 797 | 2 | 526814 183127 |
| 22 | **Registered Radioactive Substances**<br>Name: Wellington Hospital<br>Location: 8a Wellington Place, LONDON, NW8 9LE<br>Authority: Environment Agency, Thames Region<br>Permit Reference: Br5558<br>Dated: 28th March 2002<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Application has been authorised and any conditions apply to the operator**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 797 | 2 | 526814 183127 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 22 | **Registered Radioactive Substances**<br>Name: Wellington Hospital<br>Location: 8a Wellington Place, LONDON, NW8 9LE<br>Authority: Environment Agency, Thames Region<br>Permit Reference: Br5531<br>Dated: 28th March 2002<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 797 | 2 | 526814 183127 |
| 23 | **Registered Radioactive Substances**<br>Name: Wynn Institute For Metabolic Research<br>Location: Flat 21, Cavendish House, 21 Wellington Road, LONDON, Greater London, NW8 9SQ<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AC0591<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 893 | 2 | 526898 183025 |
| 24 | **Registered Radioactive Substances**<br>Name: Hca International Limited<br>Location: The Wellington Hospital, Wellington Place, St Johns Wood, Nw8 9le<br>Authority: Environment Agency, Head Office<br>Permit Reference: ZB3233DA<br>Dated: Not Supplied<br>Process Type: Not Supplied<br>Description: Not Supplied<br>**Status: Application has been determined by the EA**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 930 | 2 | 526931 182989 |
| 24 | **Registered Radioactive Substances**<br>Name: Humana Hospital Wellington<br>Location: 8A Wellington Place, LONDON, Greater London, NW8 9LE<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AB8511<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Unknown | A8SW (S) | 957 | 2 | 526918 182961 |
| | **River Quality**<br>Name: Guc (Paddington Arm)<br>GQA Grade: River Quality E<br>Reach: Canal Feeder - Camden Road<br>Estimated Distance (km): 10.5<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A9SW (SE) | 820 | 2 | 527377 183244 |
| 25 | **Water Abstractions**<br>Operator: National Rail<br>Licence Number: Th/039/0039/169<br>Permit Version: 1<br>Location: Shallow Deposits & London Clay In Camden, London - B<br>Authority: Environment Agency, Thames Region<br>Abstraction: Drainage Operations: Dewatering<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 13th September 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW) | 283 | 2 | 526817 184233 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 25 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0219<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London.<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (N) | 332 | 2 | 526800 184280 |
| 26 | **Water Abstractions**<br>Operator: National Rail<br>Licence Number: Th/039/0039/169<br>Permit Version: 1<br>Location: Shallow Deposits & London Clay In Camden, London - C<br>Authority: Environment Agency, Thames Region<br>Abstraction: Drainage Operations: Dewatering<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 13th September 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12SE (W) | 330 | 2 | 526574 183886 |
| 27 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW) | 342 | 2 | 526750 184261 |
| 27 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: General Washing/Process Washing<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW) | 342 | 2 | 526750 184261 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 27 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Lake And Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW) | 342 | 2 | 526750 184261 |
| 28 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: Th/039/0039/058<br>Permit Version: 1<br>Location: Borehole At Barrow Hill<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E) | 720 | 2 | 527636 183697 |
| 28 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: 28/39/39/0231<br>Permit Version: 1<br>Location: Barrow Hill Pumping Station - Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Barrow Hill Pumping Station<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E) | 726 | 2 | 527640 183690 |
| 28 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: 28/39/39/0202<br>Permit Version: 1<br>Location: Barrow Hill Pumping Station - Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Barrow Hill Pumping Station<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 26th September 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E) | 726 | 2 | 527640 183690 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Marylebone Cricket Club<br>Licence Number: Th/039/0039/116<br>Permit Version: 4<br>Location: Lords Cricket Ground, London.<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 8th September 2023<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S) | 1046 | 2 | 526902 182872 |
| | **Water Abstractions**<br>Operator: Marylebone Cricket Club<br>Licence Number: Th/039/0039/116<br>Permit Version: 3<br>Location: Lords Cricket Ground, London.<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 26th March 2021<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S) | 1046 | 2 | 526902 182872 |
| | **Water Abstractions**<br>Operator: Marylebone Cricket Club<br>Licence Number: Th/039/0039/116<br>Permit Version: 2<br>Location: Lords Cricket Ground, London.<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 28th May 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S) | 1046 | 2 | 526902 182872 |
| | **Water Abstractions**<br>Operator: Marylebone Cricket Club<br>Licence Number: Th/039/0039/116<br>Permit Version: 1<br>Location: Lords Cricket Ground, London.<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 17th May 2017<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3NW (S) | 1046 | 2 | 526902 182872 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Zoological Society Of London<br>Licence Number: 28/39/39/0035<br>Permit Version: 100<br>Location: Borehole At Regent'S Park, London Nw1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 59<br>Yearly Rate (m3): 681<br>Details: Regent'S Park, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 4th April 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A10NW (SE) | 1177 | 2 | 528000 183400 |
| | **Water Abstractions**<br>Operator: The Royal Parks Limited<br>Licence Number: Th/039/0039/142<br>Permit Version: 1<br>Location: Borehole A - Regents Park, London<br>Authority: Environment Agency, Thames Region<br>Abstraction: Crown and Government: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 18th October 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 1317 | 2 | 527665 182839 |
| | **Water Abstractions**<br>Operator: The Royal Parks Limited<br>Licence Number: Th/039/0039/142<br>Permit Version: 1<br>Location: Borehole A - Regents Park, London<br>Authority: Environment Agency, Thames Region<br>Abstraction: Crown And Government: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 18th October 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 1317 | 2 | 527665 182839 |
| | **Water Abstractions**<br>Operator: The Royal Parks Limited<br>Licence Number: Th/039/0039/142<br>Permit Version: 1<br>Location: Borehole A - Regents Park, London<br>Authority: Environment Agency, Thames Region<br>Abstraction: Crown and Government: Make-Up or Top Up Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 18th October 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 1317 | 2 | 527665 182839 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Abbey Lodge Rtm Company Limited<br>Licence Number: 28/39/39/0115<br>Permit Version: 101<br>Location: Abbey Lodge, Park Road, London Nw8-Two Boreholes<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Abbey Lodge, Park Road, London Nw8<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st June 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NW (S) | 1395 | 2 | 527420 182620 |
| | **Water Abstractions**<br>Operator: Wood Management Trustees Ltd<br>Licence Number: 28/39/39/0115<br>Permit Version: 100<br>Location: Two Boreholes At Abbey Lodge, Park Road, London Nw8<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 100<br>Yearly Rate (m3): 28640<br>Details: Abbey Lodge, Park Road, London Nw8<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 28th November 1991<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A4NW (S) | 1395 | 2 | 527420 182620 |
| | **Water Abstractions**<br>Operator: National Rail<br>Licence Number: Th/039/0039/169<br>Permit Version: 1<br>Location: Shallow Deposits & London Clay In Camden, London - A<br>Authority: Environment Agency, Thames Region<br>Abstraction: Drainage Operations: Dewatering<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 13th September 2022<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15SE (E) | 1439 | 2 | 528397 183788 |
| | **Water Abstractions**<br>Operator: Canal And River Trust<br>Licence Number: 28/39/39/0164<br>Permit Version: 101<br>Location: St John'S Wood, London - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th December 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3SE (S) | 1465 | 2 | 527050 182460 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0164<br>Permit Version: 100<br>Location: St John'S Wood, London - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th April 1983<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3SE (S) | 1465 | 2 | 527050 182460 |
| | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0173<br>Permit Version: 100<br>Location: Oval Road, Camden - Grand Union Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 20<br>Yearly Rate (m3): 7000<br>Details: Land At Oval Road, Camden, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 8th December 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15NE (E) | 1521 | 2 | 528490 184020 |
| | **Water Abstractions**<br>Operator: British Waterways<br>Licence Number: 28/39/39/0164A<br>Permit Version: Not Supplied<br>Location: St Johns Wood, LONDON, Nw1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial Cooling (Cegb)<br>Abstraction Type: Not Supplied<br>Source: River<br>Daily Rate (m3): 1920<br>Yearly Rate (m3): 1<br>Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes.<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A3SE (S) | 1521 | 2 | 527000 182400 |
| | **Water Abstractions**<br>Operator: Canal And River Trust<br>Licence Number: 28/39/39/0164<br>Permit Version: 101<br>Location: Southampton Bridge, London, Nw8 - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th December 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15NE (E) | 1531 | 2 | 528500 184020 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0164<br>Permit Version: 100<br>Location: Southampton Bridge, London, Nw8 - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th April 1983<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15NE (E) | 1531 | 2 | 528500 184020 |
| | **Water Abstractions**<br>Operator: British Waterways<br>Licence Number: 28/39/39/0164B<br>Permit Version: Not Supplied<br>Location: Southampton Bridge, LONDON, Nw8<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial Cooling (Cegb)<br>Abstraction Type: Not Supplied<br>Source: River<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes.<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A15NE (E) | 1531 | 2 | 528500 184000 |
| | **Water Abstractions**<br>Operator: Greenwich Leisure Limited<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Kentish Town Sports Centre, Prince Of Wales Road, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (E) | 1971 | 2 | 528800 184700 |
| | **Water Abstractions**<br>Operator: Greenwich Leisure Limited<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (E) | 1971 | 2 | 528800 184700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Greenwich Leisure Ltd<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 5th April 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (E) | 1971 | 2 | 528800<br>184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 605<br>Yearly Rate (m3): 76509<br>Details: Kentish Town Sports Centre, Prince Of Wales Road, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (E) | 1971 | 2 | 528800<br>184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (E) | 1971 | 2 | 528800<br>184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (E) | 1971 | 2 | 528800<br>184700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Groundwater Vulnerability Map**<br>Combined Classification: Unproductive Aquifer (may have productive aquifer beneath)<br>Combined Vulnerability: Unproductive<br>Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Mixed<br>Dilution: 300-550 mm/year<br>Baseflow Index: 40-70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: <3m<br>Superficial Recharge: No Data | A13NW (SE) | 0 | 6 | 526934 183952 |
| | **Groundwater Vulnerability - Soluble Rock Risk**<br>None | | | | |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Unproductive Strata | A13NW (SE) | 0 | 6 | 526934 183952 |
| | **Superficial Aquifer Designations**<br>No Data Available | | | | |
| 29 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater. | A13NW (SE) | 0 | 2 | 526934 183952 |
| 30 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source. | A14SW (E) | 428 | 2 | 527366 183809 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |
| 31 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5204.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: The Fountains<br>Catchment Name: Thames<br>Primacy: 1 | A13SE (E) | 198 | 7 | 527167 183943 |
| 32 | **OS Water Network Lines**<br>Watercourse Form: Canal<br>Watercourse Length: 2236.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Grand Union Canal<br>Catchment Name: Welland<br>Primacy: 1 | A9NW (SE) | 817 | 7 | 527474 183326 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Local Authority Landfill Coverage**<br>Name: London Borough of Camden<br>- Has no landfill data to supply | | 0 | 8 | 526934<br>183952 |
| | **Local Authority Landfill Coverage**<br>Name: Westminster City Council<br>- Has supplied landfill data | | 171 | 5 | 526878<br>183750 |
| 33 | **Potentially Infilled Land (Non-Water)**<br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991 | A12SE<br>(SW) | 539 | 10 | 526436<br>183663 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS 1:625,000 Solid Geology**<br>Description: Thames Group | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **BGS Estimated Soil Chemistry**<br>No data available | | | | |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526761, 183848<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 23.60 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 78.40 mg/kg<br>Lead Measured Concentration: 572.40 mg/kg<br>Nickel Measured Concentration: 37.60 mg/kg | A13SW (SW) | 166 | 1 | 526761 183848 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526761, 184231<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 7.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 20.70 mg/kg<br>Lead Measured Concentration: 38.00 mg/kg<br>Nickel Measured Concentration: 6.70 mg/kg | A13NW (NW) | 312 | 1 | 526761 184231 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527263, 183792<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 15.40 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 110.30 mg/kg<br>Lead Measured Concentration: 2419.20 mg/kg<br>Nickel Measured Concentration: 40.00 mg/kg | A13SE (SE) | 343 | 1 | 527263 183792 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527207, 184291<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 13.10 mg/kg<br>Cadmium Measured Concentration: 0.70 mg/kg<br>Chromium Measured Concentration: 81.00 mg/kg<br>Lead Measured Concentration: 714.00 mg/kg<br>Nickel Measured Concentration: 26.50 mg/kg | A18SE (NE) | 399 | 1 | 527207 184291 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526218, 183841<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 18.90 mg/kg<br>Cadmium Measured Concentration: 0.70 mg/kg<br>Chromium Measured Concentration: 90.90 mg/kg<br>Lead Measured Concentration: 937.50 mg/kg<br>Nickel Measured Concentration: 30.50 mg/kg | A12SW (W) | 689 | 1 | 526218 183841 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526820, 183228<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 12.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 57.90 mg/kg<br>Lead Measured Concentration: 221.30 mg/kg<br>Nickel Measured Concentration: 19.00 mg/kg | A8SW (S) | 696 | 1 | 526820 183228 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527278, 183302<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 31.70 mg/kg<br>Cadmium Measured Concentration: 0.90 mg/kg<br>Chromium Measured Concentration: 91.20 mg/kg<br>Lead Measured Concentration: 2587.50 mg/kg<br>Nickel Measured Concentration: 46.40 mg/kg | A9NW (SE) | 717 | 1 | 527278 183302 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526268, 184340<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 30.40 mg/kg<br>Cadmium Measured Concentration: 0.80 mg/kg<br>Chromium Measured Concentration: 95.50 mg/kg<br>Lead Measured Concentration: 688.90 mg/kg<br>Nickel Measured Concentration: 45.30 mg/kg | A17SE (NW) | 749 | 1 | 526268 184340 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526703, 184701<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 32.80 mg/kg<br>Cadmium Measured Concentration: 0.70 mg/kg<br>Chromium Measured Concentration: 79.00 mg/kg<br>Lead Measured Concentration: 770.10 mg/kg<br>Nickel Measured Concentration: 44.30 mg/kg | A18NW (N) | 759 | 1 | 526703 184701 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527717, 184227<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 21.20 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 77.40 mg/kg<br>Lead Measured Concentration: 2046.50 mg/kg<br>Nickel Measured Concentration: 33.50 mg/kg | A14NE (E) | 791 | 1 | 527717 184227 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527766, 183762<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 17.80 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 86.20 mg/kg<br>Lead Measured Concentration: 432.00 mg/kg<br>Nickel Measured Concentration: 27.40 mg/kg | A14SE (E) | 823 | 1 | 527766 183762 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527169, 184808<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 20.70 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 83.40 mg/kg<br>Lead Measured Concentration: 2153.80 mg/kg<br>Nickel Measured Concentration: 34.90 mg/kg | A18NE (N) | 852 | 1 | 527169 184808 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526344, 184653<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 47.30 mg/kg<br>Cadmium Measured Concentration: 2.00 mg/kg<br>Chromium Measured Concentration: 111.00 mg/kg<br>Lead Measured Concentration: 1462.80 mg/kg<br>Nickel Measured Concentration: 71.20 mg/kg | A17NE (NW) | 904 | 1 | 526344 184653 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Urban Soil Chemistry Averages**<br>Source: British Geological Survey, National Geoscience Information Service<br>Sample Area: London<br>Count Id: 7209<br>Arsenic Minimum Concentration: 1.00 mg/kg<br>Arsenic Average Concentration: 17.00 mg/kg<br>Arsenic Maximum Concentration: 161.00 mg/kg<br>Cadmium Minimum Concentration: 0.10 mg/kg<br>Cadmium Average Concentration: 0.90 mg/kg<br>Cadmium Maximum Concentration: 165.20 mg/kg<br>Chromium Minimum Concentration: 13.00 mg/kg<br>Chromium Average Concentration: 79.00 mg/kg<br>Chromium Maximum Concentration: 2094.00 mg/kg<br>Lead Minimum Concentration: 11.00 mg/kg<br>Lead Average Concentration: 280.00 mg/kg<br>Lead Maximum Concentration: 10000.00 mg/kg<br>Nickel Minimum Concentration: 2.00 mg/kg<br>Nickel Average Concentration: 28.00 mg/kg<br>Nickel Maximum Concentration: 506.00 mg/kg | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Coal Mining Affected Areas**<br>In an area that might not be affected by coal mining | | | | |
| | **Non Coal Mining Areas of Great Britain**<br>No Hazard | | | | |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (SE) | 0 | 1 | 526934 183952 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 34 | **Contemporary Trade Directory Entries**<br>Name: Soap Opera The<br>Location: 8, Winchester Road, London, NW3 3NT<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 284 | - | 526882 184260 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Tyre Tigers<br>Location: 97, AVENUE ROAD, LONDON, NW3 5EJ<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 297 | - | 526723 184178 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Tyre Tigers<br>Location: 97, AVENUE ROAD, LONDON, NW3 5EJ<br>Classification: Tyre Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 297 | - | 526723 184178 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Fairfax Engineering<br>Location: 1, Regency Parade, Finchley Road, London, NW3 5EQ<br>Classification: Catering Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Medoroux Medical Ltd<br>Location: 11, Regency Parade, Finchley Road, London, NW3 5EG<br>Classification: Medical Equipment Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Balco Ltd<br>Location: 8, Regency Parade, Finchley Road, London, NW3 5EG<br>Classification: Ventilators & Ventilation Systems<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Oxyvita Ltd<br>Location: 11, Regency Parade, Finchley Road, London, NW3 5EG<br>Classification: Medical Instruments - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: Golf Doktor<br>Location: Former 8, Regency Parade, Finchley Road, London, NW3 5EG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 35 | **Contemporary Trade Directory Entries**<br>Name: My 1st Call Locksmith<br>Location: 4, Regency Parade, Finchley Road, London, NW3 5EG<br>Classification: Lock Suppliers and Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 307 | - | 526694 184166 |
| 36 | **Contemporary Trade Directory Entries**<br>Name: Clean With Us Ltd<br>Location: Flat 8, Leitch House, Alexandra Road, London, NW8 0SE<br>Classification: Boat Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 360 | - | 526567 184075 |
| 37 | **Contemporary Trade Directory Entries**<br>Name: Danico<br>Location: 31-35, Winchester Road, London, NW3 3NR<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 372 | - | 526803 184325 |
| 38 | **Contemporary Trade Directory Entries**<br>Name: Arrow Enterprises (Uk) Ltd<br>Location: 13, Lower Merton Rise, London, NW3 3RA<br>Classification: Chemicals & Allied Products<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 373 | - | 527235 184231 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 38 | **Contemporary Trade Directory Entries**<br>Name: Swan Dry Cleaners<br>Location: 19, Lower Merton Rise, London, NW3 3RA<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 387 | - | 527226 184259 |
| 39 | **Contemporary Trade Directory Entries**<br>Name: Swiss Cottage Dry Cleaners<br>Location: 121, Finchley Road, London, NW3 6HY<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 431 | - | 526623 184270 |
| 39 | **Contemporary Trade Directory Entries**<br>Name: London Overground Rail Operations Ltd<br>Location: 125, Finchley Road, London, NW3 6HY<br>Classification: Railways<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 448 | - | 526612 184282 |
| 39 | **Contemporary Trade Directory Entries**<br>Name: Fuji Photo Film (Uk) Ltd<br>Location: 125, Finchley Road, London, NW3 6HY<br>Classification: Photographic Equipment & Supplies - Wholesale<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 448 | - | 526612 184282 |
| 40 | **Contemporary Trade Directory Entries**<br>Name: Cleaning Services St Johns Wood Ltd<br>Location: 61, Queens Grove, London, NW8 6ER<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 432 | - | 526641 183581 |
| 41 | **Contemporary Trade Directory Entries**<br>Name: Ivy Dry Cleaners<br>Location: 4, Queens Terrace, London, NW8 6DX<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 448 | - | 526673 183539 |
| 42 | **Contemporary Trade Directory Entries**<br>Name: Sunny Clean<br>Location: Flat 7, Hilltop Court 14-16, Alexandra Road, London, NW8 0DR<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 455 | - | 526453 184025 |
| 42 | **Contemporary Trade Directory Entries**<br>Name: Sunny Clean<br>Location: Flat 7, Hilltop Court 14-16, Alexandra Road, London, NW8 0DR<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 455 | - | 526453 184025 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: Scotts<br>Location: Flat 15, Bray, Fellows Road, London, NW3 3JX<br>Classification: Cabinet Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SE (NE) | 460 | - | 527247 184337 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Buzy Cleaning<br>Location: 18-22, Finchley Road, London, NW8 6EB<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 526 | - | 526615 183484 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Fantastic Services St Johns Wood<br>Location: 14, Finchley Road, London, NW8 6EB<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 529 | - | 526639 183465 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: Cedo Ltd<br>Location: 32, Eton Avenue, London, NW3 3HL<br>Classification: Plastic Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SE (N) | 545 | - | 527135 184498 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 46 | **Contemporary Trade Directory Entries**<br>Name: Gootc Ltd<br>Location: 26, Northways Parade, London, NW3 5DN<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 549 | - | 526630 184429 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Red Spot<br>Location: 26, NORTHWAYS PARADE, LONDON, NW3 5DN<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 549 | - | 526630 184429 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Trans-World Trading Ltd<br>Location: 24, Northways Parade, London, NW3 5DN<br>Classification: Photographic Equipment & Supplies - Wholesale<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 549 | - | 526630 184429 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Smart Choice Dry Cleaners<br>Location: 23, NORTHWAYS PARADE, LONDON, NW3 5DN<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 549 | - | 526630 184429 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Sevenoaks Sound & Vision Ltd<br>Location: 15, Northways Parade, London, NW3 5EN<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 549 | - | 526630 184429 |
| 47 | **Contemporary Trade Directory Entries**<br>Name: 24 Hr Waste Disposal<br>Location: St. Johns Wood Ter, London, NW8 6LP<br>Classification: Waste Disposal Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8NE (S) | 549 | - | 527122 183412 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Technology Pools<br>Location: 67 Loudoun Road, London, NW8 0DQ<br>Classification: Swimming Pool Contractors, Repairers & Service<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (W) | 553 | - | 526351 184007 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Drown & Co Ltd<br>Location: 73, Loudoun Road, London, NW8 0DQ<br>Classification: Art Restoration & Picture Cleaning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 557 | - | 526346 183997 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Francis Butlin<br>Location: 73, Loudoun Road, London, NW8 0DQ<br>Classification: Art Restoration & Picture Cleaning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 557 | - | 526346 183997 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Susan M Moore Fbapcr<br>Location: 73, Loudoun Road, London, NW8 0DQ<br>Classification: Art Restoration & Picture Cleaning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 557 | - | 526346 183997 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Master Clean Dry Cleaners<br>Location: 2, LANGTRY WALK, LONDON, NW8 0DU<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 563 | - | 526341 184006 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Master Clean Dry Cleaners<br>Location: 2, Langtry Walk, London, NW8 0DU<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 563 | - | 526341 184006 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 48 | **Contemporary Trade Directory Entries**<br>Name: Swiss Cottage Launderette<br>Location: 7, Langtry Walk, London, NW8 0DU<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 563 | - | 526341 184007 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Artworks Euro Ltd<br>Location: 69, Loudoun Road, London, NW8 0DB<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (W) | 563 | - | 526341 184007 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Swiss Cottage Launderette<br>Location: 7, Langtry Walk, London, NW8 0DU<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 563 | - | 526341 184007 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: Printing.Com<br>Location: 3, Harben Parade, Finchley Road, London, NW3 6JP<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 557 | - | 526586 184404 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: Kall Kwik<br>Location: 3, Harben Parade, Finchley Road, London, NW3 6JP<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 557 | - | 526586 184404 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: A K Design & Print<br>Location: 3 Harben Parade,Finchley Road, Camden, London, NW3 6JP<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 557 | - | 526587 184405 |
| 50 | **Contemporary Trade Directory Entries**<br>Name: Top Tier Blinds & Shutters<br>Location: 11, Aquila Street, London, NW8 6PN<br>Classification: Blinds, Awnings & Canopies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (S) | 578 | - | 526928 183341 |
| 51 | **Contemporary Trade Directory Entries**<br>Name: Harringtons Construction Ltd<br>Location: 57, Belsize Road, London, NW6 4BE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 598 | - | 526318 184076 |
| 51 | **Contemporary Trade Directory Entries**<br>Name: Cresta Motors<br>Location: 59-65, Belsize Road, London, NW6 4BE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 614 | - | 526300 184067 |
| 52 | **Contemporary Trade Directory Entries**<br>Name: Anthony Rau<br>Location: 38, FAIRFAX ROAD, LONDON, NW6 4HA<br>Classification: Cabinet Makers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 600 | - | 526391 184257 |
| 52 | **Contemporary Trade Directory Entries**<br>Name: Paper Moon<br>Location: 53, Fairfax Road, London, NW6 4EL<br>Classification: Wallpapers & Wall Coverings<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 634 | - | 526350 184254 |
| 52 | **Contemporary Trade Directory Entries**<br>Name: Pro Carpet Cleaners London<br>Location: FLAT 1, GLADSTONE COURT, 49, FAIRFAX ROAD, LONDON, NW6 4EP<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 639 | - | 526355 184273 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 52 | **Contemporary Trade Directory Entries**<br>Name: Cleansville<br>Location: 39, Fairfax Road, London, NW6 4EL<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 645 | - | 526362 184295 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Volvo Cars<br>Location: 1, Northways Parade, London, NW3 5EN<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 612 | - | 526596 184482 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Kwik-Fit<br>Location: 1, Northways Parade, London, NW3 5EN<br>Classification: Tyre Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 612 | - | 526596 184482 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Volvo Cars London<br>Location: 1, Northways Parade, London, NW3 5EN<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 612 | - | 526596 184482 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Speedway<br>Location: 1, Northways Parade, London, NW3 5EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 612 | - | 526596 184482 |
| 54 | **Contemporary Trade Directory Entries**<br>Name: Majestic Hardware<br>Location: 49, Charlbert Street, London, NW8 6JN<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 617 | - | 527107 183334 |
| 54 | **Contemporary Trade Directory Entries**<br>Name: Johns Wood<br>Location: 47 Charlbert St, London, NW8 6JN<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NE (S) | 625 | - | 527116 183328 |
| 54 | **Contemporary Trade Directory Entries**<br>Name: Parks<br>Location: 76-78, Allitsen Road, London, NW8 7BG<br>Classification: Candle Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 652 | - | 527121 183301 |
| 55 | **Contemporary Trade Directory Entries**<br>Name: Bonsai Breakdown<br>Location: Flat 7, Noel House, Harben Road, London, NW6 4RL<br>Classification: Car Breakdown & Recovery Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 621 | - | 526510 184423 |
| 56 | **Contemporary Trade Directory Entries**<br>Name: Cleaners South Hampstead<br>Location: 48a, Boundary Road, London, NW8 0HJ<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SE (W) | 637 | - | 526266 183880 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Drennan & Co<br>Location: 64, Belsize Park, London, NW3 4EH<br>Classification: Door & Gate Operating Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 642 | - | 526723 184584 |
| 58 | **Contemporary Trade Directory Entries**<br>Name: Blue Tunnel Ltd<br>Location: C, 119, Rowley Way, London, NW8 0SP<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 644 | - | 526258 183993 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 59 | **Contemporary Trade Directory Entries**<br>Name: Clean 4 You<br>Location: 55, Belsize Park, London, NW3 4EE<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 660 | - | 526650 184571 |
| 60 | **Contemporary Trade Directory Entries**<br>Name: N W Creative<br>Location: New College Parade, Finchley Road, London, NW3 5EP<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 662 | - | 526536 184500 |
| 61 | **Contemporary Trade Directory Entries**<br>Name: Kara Services<br>Location: 38, Fellows Road, London, NW3 3LH<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 663 | - | 527417 184459 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Snappy Snaps<br>Location: 140, ST. JOHNS WOOD HIGH STREET, LONDON, NW8 7SE<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 666 | - | 526958 183254 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Johnson Cleaners (Uk) Ltd<br>Location: 69-71, St. Johns Wood High Street, London, NW8 7NL<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 693 | - | 526935 183226 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Supasnaps<br>Location: 69-71, St. Johns Wood High Street, London, NW8 7NL<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 693 | - | 526935 183226 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Madame George Dry Cleaners<br>Location: 9, CIRCUS ROAD, LONDON, NW8 6NX<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 695 | - | 526908 183223 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Shirt Makers England Ltd<br>Location: Cochrane Mews, London, NW8 6NY<br>Classification: Shirt Makers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8SW (S) | 700 | - | 526925 183218 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Connoisseur Dry Cleaners<br>Location: 3-5, FAIRHAZEL GARDENS, LONDON, NW6 3QE<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 666 | - | 526259 184121 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Cleansville<br>Location: 3-5, Fairhazel Gardens, London, NW6 3QE<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 667 | - | 526259 184121 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Jean Patou Ltd<br>Location: 3, Coleridge Gardens, London, NW6 3QH<br>Classification: Perfume Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A12NW (W) | 678 | - | 526244 184114 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Maurice Douek Ltd<br>Location: 3, Coleridge Gardens, London, NW6 3QH<br>Classification: Perfume Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A12NW (W) | 678 | - | 526244 184114 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 63 | **Contemporary Trade Directory Entries**<br>Name: Jacques Bouvier Ltd<br>Location: 4-5, Coleridge Gardens, London, NW6 3QH<br>Classification: Leather Merchants & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A12NW (W) | 679 | - | 526244 184115 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Eurotrade International<br>Location: Coleridge Gdns, London, NW6 3QH<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A12NW (W) | 681 | - | 526242 184114 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Swiss Dry Cleaners<br>Location: 13, FAIRHAZEL GARDENS, LONDON, NW6 3QE<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 690 | - | 526238 184135 |
| 64 | **Contemporary Trade Directory Entries**<br>Name: Groom 'N' Zoom<br>Location: 106, Allitsen Road, London, NW8 7AY<br>Classification: Pet Foods & Animal Feeds<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 684 | - | 527048 183248 |
| 65 | **Contemporary Trade Directory Entries**<br>Name: Schmitt Automobile Services Ltd<br>Location: 109, Goldhurst Terrace, London, NW6 3HA<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 684 | - | 526282 184233 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Hampstead Motor Services Uk Ltd<br>Location: 4, LAMBOLLE PLACE, LONDON, NW3 4PD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 697 | - | 527295 184591 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Mark One Motors<br>Location: 5-6, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 702 | - | 527339 184570 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Belsize Motors<br>Location: 3, Lambolle Place, London, NW3 4PD<br>Classification: Car Engine Tuning & Diagnostic Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 707 | - | 527299 184600 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Autotech Hamstead<br>Location: 3, LAMBOLLE PLACE, LONDON, NW3 4PD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 707 | - | 527299 184600 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Porsheworx Engineering Ltd<br>Location: 2, LAMBOLLE PLACE, LONDON, NW3 4PD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 715 | - | 527303 184607 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Rayden<br>Location: 17, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 717 | - | 527326 184596 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Hmc Fleet Maintenance Centre<br>Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 718 | - | 527346 184585 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 66 | **Contemporary Trade Directory Entries**<br>Name: Little & Pace<br>Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 718 | - | 527346 184585 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Belsize Automotive Repairs<br>Location: 3, ETON GARAGES, LAMBOLLE PLACE, LONDON, NW3 4PE<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 720 | - | 527344 184588 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Little & Pace Motors<br>Location: 2-3 Eton Garages,Lambolle Pl, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SW (NE) | 728 | - | 527346 184596 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Beta Lighting Ltd<br>Location: 19, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Lighting Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 733 | - | 527332 184610 |
| 67 | **Contemporary Trade Directory Entries**<br>Name: Komodo<br>Location: 77c, King Henrys Road, London, NW3 3QU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 698 | - | 527629 184199 |
| 67 | **Contemporary Trade Directory Entries**<br>Name: Komodo<br>Location: 77, King Henrys Road, London, NW3 3QU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 698 | - | 527629 184199 |
| 68 | **Contemporary Trade Directory Entries**<br>Name: Wellington Hospital<br>Location: St Johns Wood,Circus Road, London, NW8 6PD<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A8SW (S) | 700 | - | 526845 183221 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: Nta Cleaning Services<br>Location: 13, New College Parade, London, NW3 5EP<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 704 | - | 526502 184527 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: B P Service Station<br>Location: 104A, FINCHLEY ROAD, LONDON, NW3 5EY<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 745 | - | 526471 184554 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: Bp (Hampstead) Service Station<br>Location: A, 104, Finchley Road, London, NW3 5EY<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 746 | - | 526471 184554 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: P & P Print Ltd<br>Location: 4-5, Coleridge Gardens, London, NW6 3QH<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 724 | - | 526191 184088 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Haidemenos<br>Location: 4-5, Coleridge Gardens, London, NW6 3QH<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 724 | - | 526191 184088 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 70 | **Contemporary Trade Directory Entries**<br>Name: Dot Talent<br>Location: Suite 1, 4-5, Coleridge Gardens, London, NW6 3QH<br>Classification: Digital Printing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 724 | - | 526191 184088 |
| 71 | **Contemporary Trade Directory Entries**<br>Name: Spring Fresh Cleaning Services<br>Location: A, 19, Ainsworth Way, London, NW8 0SR<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 733 | - | 526170 183869 |
| 72 | **Contemporary Trade Directory Entries**<br>Name: H R Brook<br>Location: Flat 7, 7-8, St. Edmunds Terrace, London, NW8 7QP<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 735 | - | 527594 183582 |
| 73 | **Contemporary Trade Directory Entries**<br>Name: Formwork Architects Ltd<br>Location: 47, St. Johns Wood High Street, London, NW8 7NJ<br>Classification: Laundry & Dry Cleaning Supplies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 741 | - | 526964 183180 |
| 74 | **Contemporary Trade Directory Entries**<br>Name: Tempo Dry Cleaners Ltd<br>Location: 98, St. Johns Wood High Street, London, NW8 7SH<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 743 | - | 527020 183184 |
| 75 | **Contemporary Trade Directory Entries**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Rd, London, NW3 3QB<br>Classification: Mot Testing Centres<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SE (NE) | 755 | - | 527628 184339 |
| 75 | **Contemporary Trade Directory Entries**<br>Name: Modern Motors Ltd<br>Location: 95, Adelaide Road, London, NW3 3XX<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 756 | - | 527628 184339 |
| 76 | **Contemporary Trade Directory Entries**<br>Name: Agfa-Digital Photosnap Ltd<br>Location: 171, Finchley Road, London, NW3 6LB<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 756 | - | 526419 184522 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: St John & St Elizabeth Hospital<br>Location: 60, GROVE END ROAD, LONDON, NW8 9NH<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 768 | - | 526649 183196 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: Ghosh Breast Clinic<br>Location: 60 Grove End Road, Westminster, London, NW8 9NH<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 768 | - | 526649 183196 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: St John & St Elizabeth Hospital<br>Location: 60, GROVE END ROAD, LONDON, NW8 9NH<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 768 | - | 526649 183196 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: Mr Nilesh Agarwal - Well Women'S Clinic<br>Location: 60 Grove End Road, Westminster, London, NW8 9NH<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 768 | - | 526649 183196 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 77 | **Contemporary Trade Directory Entries**<br>Name: Pathlabnw8<br>Location: 60, Grove End Road, London, NW8 9NH<br>Classification: Medical & Dental Laboratories<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 769 | - | 526649 183196 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: Path Lab<br>Location: 60, Grove End Road, London, NW8 9NH<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 769 | - | 526649 183196 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: The London Spine Unit<br>Location: 60, Grove End Road, London, NW8 9NH<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 769 | - | 526649 183196 |
| 78 | **Contemporary Trade Directory Entries**<br>Name: Ibstock Building Products Ltd<br>Location: 28 Wellington Rd, London, NW8 9SP<br>Classification: Brick Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 768 | - | 526900 183150 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: Chase Dry Cleaners<br>Location: 74 Whittom,Primrose Hill Rd, London, NW3 4AB<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A19SW (NE) | 770 | - | 527493 184534 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: R K P Hardware D I Y<br>Location: 51, Englands Lane, LONDON, NW3 4YD<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 803 | - | 527517 184557 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: Chequers Dry Cleaners<br>Location: 48, ENGLANDS LANE, LONDON, NW3 4UE<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 809 | - | 527502 184579 |
| 80 | **Contemporary Trade Directory Entries**<br>Name: Wellington Hospital<br>Location: 27, Circus Road, London, NW8 6PG<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 780 | - | 526816 183144 |
| 81 | **Contemporary Trade Directory Entries**<br>Name: The Tavistock & Portman N H S Foundation Trust<br>Location: 120 Belsize Lane, Camden, London, NW3 5BA<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NW (NW) | 781 | - | 526612 184688 |
| 82 | **Contemporary Trade Directory Entries**<br>Name: Haywood Motors<br>Location: A, 23, Lambolle Place, London, NW3 4PG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 792 | - | 527361 184663 |
| 82 | **Contemporary Trade Directory Entries**<br>Name: Belsize Motors<br>Location: A, 23, Lambolle Place, London, NW3 4PG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 792 | - | 527361 184663 |
| 82 | **Contemporary Trade Directory Entries**<br>Name: J A Harnett<br>Location: 4, Lancaster Stables, Lambolle Place, London, NW3 4PH<br>Classification: Antiques - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 800 | - | 527379 184661 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 83 | **Contemporary Trade Directory Entries**<br>Name: Lilliman & Cox<br>Location: 29, St. Johns Wood High Street, London, NW8 7NH<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 792 | - | 527013 183133 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Chalcot House Services<br>Location: Flat 1, 51, Belsize Park Gardens, London, NW3 4JL<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 793 | - | 527202 184737 |
| 85 | **Contemporary Trade Directory Entries**<br>Name: Butterworth Centre<br>Location: 36 Circus Road, London, NW8 9SE<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 797 | - | 526752 183137 |
| 86 | **Contemporary Trade Directory Entries**<br>Name: S L M Consultants<br>Location: 38, Fairhazel Gardens, London, NW6 3SJ<br>Classification: Testing, Inspection & Calibration Equipment Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 812 | - | 526176 184308 |
| 87 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Mot Testing Centres<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 813 | - | 527245 183177 |
| 87 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 813 | - | 527245 183177 |
| 87 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage Ltd<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 813 | - | 527245 183177 |
| 87 | **Contemporary Trade Directory Entries**<br>Name: C D Carriage<br>Location: Flat 2, Oslo Court, Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 813 | - | 527245 183177 |
| 88 | **Contemporary Trade Directory Entries**<br>Name: Robert Dyas Ltd<br>Location: 183, Finchley Road, London, NW3 6LB<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 824 | - | 526368 184568 |
| 88 | **Contemporary Trade Directory Entries**<br>Name: H Khan<br>Location: 17, Goldhurst Terrace, London, NW6 3HX<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 831 | - | 526333 184546 |
| 88 | **Contemporary Trade Directory Entries**<br>Name: Silk Dry Cleaner<br>Location: 17, Goldhurst Terrace, London, NW6 3HX<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 831 | - | 526333 184546 |
| 88 | **Contemporary Trade Directory Entries**<br>Name: Silk Dry Cleaning<br>Location: 17, Goldhurst Terrace, London, NW6 3HX<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 831 | - | 526333 184546 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 88 | **Contemporary Trade Directory Entries**<br>Name: Snappy Snaps<br>Location: 189, Finchley Road, London, NW3 6LB<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 836 | - | 526365 184581 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: Elias Cleaners Ltd<br>Location: 68, ST. JOHNS WOOD HIGH STREET, LONDON, NW8 7SH<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 825 | - | 527077 183110 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: Elias Dry Cleaners<br>Location: 68, St. Johns Wood High Street, London, NW8 7SH<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 825 | - | 527077 183110 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: Elias Cleaners Ltd<br>Location: 68 St Johns Wood High Street, London, NW8 7SH<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 825 | - | 527077 183110 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: Anna'S Laundrette<br>Location: 62, St. Johns Wood High Street, London, NW8 7SH<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 841 | - | 527087 183096 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: Wellington Gallery<br>Location: 1, St. Johns Wood High Street, London, NW8 7NG<br>Classification: Furniture - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 867 | - | 527070 183066 |
| 90 | **Contemporary Trade Directory Entries**<br>Name: Layal<br>Location: 10, St. Georges Terrace, London, NW1 8XH<br>Classification: Lingerie & Hosiery Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 832 | - | 527800 184012 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Fontana Guisti Architects<br>Location: 185, Goldhurst Terrace, London, NW6 3ER<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 833 | - | 526075 184057 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: St Johns Wood Autos<br>Location: Langford Place, Basement 0f 22 Abbey Road, London, NW8 9DN<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A7SE (SW) | 833 | - | 526419 183246 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Langford Motors<br>Location: Langford Ct,22 Abbey Rd, London, NW8 9DN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7SE (SW) | 834 | - | 526418 183246 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: Wellington Road Filling Station<br>Location: 21, Wellington Road, London, NW8 9SQ<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 840 | - | 526864 183080 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 93 | **Contemporary Trade Directory Entries**<br>Name: B P Service Station<br>Location: WELLINGTON ROAD SERVICE STATION, 21-41, WELLINGTON ROAD, LONDON, NW8 9SQ<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 854 | - | 526876 183065 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: M R H Service Station<br>Location: Wellington Road, London, NW8 9SQ<br>Classification: Petrol Filling Stations<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 854 | - | 526876 183065 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Raniar Ltd<br>Location: Charles House 108-110, Finchley Road, London, NW3 5JJ<br>Classification: Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 843 | - | 526394 184617 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Nice & Clean London Ltd<br>Location: 110 Finchley Road, London, NW3 5JJ<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 843 | - | 526395 184617 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Custom Made Furniture<br>Location: Barkat House, 116-118, Finchley Road, London, NW3 5HT<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 878 | - | 526376 184647 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Cross Weir Ltd<br>Location: Barkat House, 116-118, Finchley Road, London, NW3 5HT<br>Classification: Valve Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 878 | - | 526376 184647 |
| 95 | **Contemporary Trade Directory Entries**<br>Name: Cork & Bottle Wines Ltd<br>Location: 47, Ainger Road, London, NW3 3AH<br>Classification: Bottle Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 845 | - | 527797 184141 |
| 95 | **Contemporary Trade Directory Entries**<br>Name: Fabric Lab<br>Location: 54, Ainger Road, London, NW3 3AH<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 877 | - | 527822 184175 |
| 96 | **Contemporary Trade Directory Entries**<br>Name: Carlina Carr<br>Location: 29a, Greencroft Gardens, London, NW6 3LN<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 847 | - | 526188 184398 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Red Grey Ltd<br>Location: 32, Englands Lane, London, NW3 4UE<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 857 | - | 527522 184625 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Allchin Pharmacy<br>Location: 28, Englands Lane, London, NW3 4UE<br>Classification: Pharmaceutical Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 868 | - | 527536 184627 |

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|---|---|---|---|---|---|
| 98 | **Contemporary Trade Directory Entries**<br>Name: Gayle Mcvay<br>Location: 52, Belsize Park Gardens, London, NW3 4ND<br>Classification: Hats & Caps - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 858 | - | 527379 184728 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: New Brooms<br>Location: 11, Chamberlain Street, London, NW1 8XB<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 885 | - | 527846 184095 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: R Danzig & Sons Ltd<br>Location: 65, Regents Park Road, London, NW1 8XD<br>Classification: Furriers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 898 | - | 527862 184066 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: Gale Furs<br>Location: 65, Regents Park Road, London, NW1 8XD<br>Classification: Furriers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 898 | - | 527862 184066 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: Andrew Moor Associates<br>Location: 14, CHAMBERLAIN STREET, LONDON, NW1 8XB<br>Classification: Stained Glass Designers & Producers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 901 | - | 527862 184093 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: Harriet Kelsall<br>Location: 69, REGENT'S PARK ROAD, LONDON, NW1 8UY<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 907 | - | 527869 184085 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: Bearoak Ltd<br>Location: 73, Regents Park Road, London, NW1 8UY<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 911 | - | 527872 184093 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: T M K Aesthetics Lab Ltd<br>Location: 128, REGENTS PARK ROAD, LONDON, NW1 8XL<br>Classification: Laboratories<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 922 | - | 527890 184026 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Siciliana Dry Cleaners<br>Location: 6, BLENHEIM TERRACE, LONDON, NW8 0EB<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 885 | - | 526199 183394 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Abbey Dry Cleaners<br>Location: 7, BLENHEIM TERRACE, LONDON, NW8 0EH<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 895 | - | 526212 183360 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Lab 120<br>Location: 16, Blenheim Terrace, London, NW8 0EB<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 912 | - | 526177 183378 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Cleaning Carpet Cleaners<br>Location: 15-19, Blenheim Terrace, London, NW8 0EH<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 924 | - | 526193 183337 |

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|---|---|---|---|---|---|
| 101 | **Contemporary Trade Directory Entries**<br>Name: Gems Dry Cleaning Co Ltd<br>Location: 90, Belsize Lane, London, NW3 5BE<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 902 | - | 526784 184870 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Daily Carpet Cleaning<br>Location: 90 Belsize Lane, London, NW3 5BE<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 902 | - | 526784 184870 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Mr Lewis Cohens Fry Cleaning Co<br>Location: 90, Belsize Lane, London, NW3 5BE<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 902 | - | 526784 184870 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Smoother You Ltd<br>Location: 1, McCrone Mews, Belsize Lane, London, NW3 5BG<br>Classification: Electrolysis<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 916 | - | 526777 184884 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Auto Reliant Suspension Co<br>Location: 25, Daleham Mews, London, NW3 5DB<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 918 | - | 526768 184884 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Daleham Garage<br>Location: 14, Daleham Mews, London, NW3 5DB<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 932 | - | 526749 184894 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Comac Motors<br>Location: 19, Daleham Mews, London, NW3 5DB<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 945 | - | 526770 184911 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Continental Autos<br>Location: 10, Daleham Mews, London, NW3 5DB<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 955 | - | 526749 184917 |
| 102 | **Contemporary Trade Directory Entries**<br>Name: Perfect Dry Cleaners<br>Location: 55, Abbey Road, London, NW8 0AD<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 906 | - | 526067 183581 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Northern Extremes Ltd<br>Location: 4, Erskine Road, London, NW3 3AJ<br>Classification: Footwear Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 912 | - | 527860 184166 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Fara Kids Charity Shop<br>Location: 83 Park Road,Primrose Hill, London, NW1 8UY<br>Classification: Mechanical Engineers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 923 | - | 527881 184114 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: D & Mc Automobiles<br>Location: A, 89, Regents Park Road, London, NW1 8UY<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 937 | - | 527890 184144 |

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| 103 | **Contemporary Trade Directory Entries**<br>Name: Clothing Co<br>Location: 6, Erskine Road, London, NW3 3AJ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 938 | - | 527883 184184 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: R J Welsh<br>Location: 156, Regents Park Road, London, NW1 8XN<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 963 | - | 527922 184111 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Mel-Art Graphics<br>Location: 158, Regents Park Road, London, NW1 8XN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 966 | - | 527925 184115 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Blossom & Browne Sycamore<br>Location: 160, Regents Park Road, London, NW1 8XN<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 970 | - | 527928 184120 |
| 104 | **Contemporary Trade Directory Entries**<br>Name: Hot Chiu<br>Location: Garden Flat, 26, Fitzjohns Avenue, London, NW3 5NB<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 922 | - | 526607 184839 |
| 105 | **Contemporary Trade Directory Entries**<br>Name: Johnsons The Cleaners<br>Location: 199, Finchley Road, London, NW3 6NN<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 922 | - | 526306 184644 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Gus Davies<br>Location: 67, Abbey Road, London, NW8 0AE<br>Classification: Builders' Merchants<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 929 | - | 526028 183617 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Browns Fireplaces<br>Location: 81, Abbey Road, LONDON, NW8 0AE<br>Classification: Fireplaces & Mantelpieces<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 946 | - | 525999 183649 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Barovine<br>Location: 1, Rutland Mews, London, NW8 0RF<br>Classification: Electronic Component Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 960 | - | 525994 183621 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Dee West<br>Location: 91, Boundary Road, London, NW8 0RG<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 972 | - | 525983 183617 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Olympic Press Ltd<br>Location: 93, Boundary Road, London, NW8 0RG<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (W) | 977 | - | 525979 183613 |
| 107 | **Contemporary Trade Directory Entries**<br>Name: The Wellington Hospital<br>Location: 8A, WELLINGTON PLACE, LONDON, NW8 9LE<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 930 | - | 526931 182989 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 108 | **Contemporary Trade Directory Entries**<br>Name: Cleaners Of Camden<br>Location: 34, Primrose Gardens, London, NW3 4TN<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 936 | - | 527485 184753 |
| 109 | **Contemporary Trade Directory Entries**<br>Name: Polymer Fusion Coatings<br>Location: Ground Floor 102 Regents Park Road, Camden, London, NW1 8UG<br>Classification: Coating Specialists<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 949 | - | 527918 183932 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Spellbound Entertainment Ltd<br>Location: 6, Primrose Mews, Sharpleshall Street, London, NW1 8YW<br>Classification: Television & Video Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 957 | - | 527925 184028 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Bright Star Cleaning Co Ltd<br>Location: 154, Goldhurst Terrace, London, NW6 3HP<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 960 | - | 525946 184054 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: S I H 2001 Ltd<br>Location: London, NW6 3BS<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NW (NW) | 968 | - | 526254 184660 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: Esquire<br>Location: 6, Canfield Gardens, London, NW6 3BS<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NW (NW) | 969 | - | 526255 184661 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: Capacity Uk Ltd<br>Location: 1-3, Canfield Place, London, NW6 3BT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NW (NW) | 994 | - | 526251 184691 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: Satellite Distribution<br>Location: 1-3, Canfield Place, London, NW6 3BT<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NW (NW) | 994 | - | 526251 184691 |
| 113 | **Contemporary Trade Directory Entries**<br>Name: Pearl & Black English Originals<br>Location: 13, Belsize Grove, London, NW3 4UX<br>Classification: Stationery Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 974 | - | 527340 184878 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Colorama<br>Location: Flat 1, 223, Finchley Road, London, NW3 6LP<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 975 | - | 526293 184703 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Wilkinson Freed (Veneers) Ltd<br>Location: 124, Finchley Road, London, NW3 5HT<br>Classification: Veneer Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 984 | - | 526319 184738 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Wrap Nation Ltd<br>Location: Regina House,124 Finchley Road, London, NW3 5JS<br>Classification: Packaging Materials Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 985 | - | 526318 184738 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 114 | **Contemporary Trade Directory Entries**<br>Name: Gerald Wise & Co Ltd<br>Location: 225a, Finchley Road, London, NW3 6LP<br>Classification: Metal Industries - Primary<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 988 | - | 526286 184714 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Quicksilver Refiners Ltd<br>Location: 225a, Finchley Road, London, NW3 6LP<br>Classification: Metal Industries - Primary<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 988 | - | 526286 184714 |
| 115 | **Contemporary Trade Directory Entries**<br>Name: B C O M<br>Location: Frazer House, 6, Netherhall Gardens, London, NW3 5RR<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 981 | - | 526375 184778 |
| 116 | **Contemporary Trade Directory Entries**<br>Name: The Belsize Plumbing Co Ltd<br>Location: 24, Belsize Grove, London, NW3 4TR<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 981 | - | 527399 184857 |
| 117 | **Contemporary Trade Directory Entries**<br>Name: Aj Mobile Mechanic<br>Location: 1 Wellington Road, Westminster, London, NW8 9SQ<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8SE (S) | 983 | - | 527012 182941 |
| 118 | **Contemporary Trade Directory Entries**<br>Name: 47 Jours Design<br>Location: 19, Glenloch Road, London, NW3 4DJ<br>Classification: Soft Furnishings - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 988 | - | 527191 184943 |
| 119 | **Contemporary Trade Directory Entries**<br>Name: The Studio<br>Location: 170, Regents Park Road, London, NW1 8XN<br>Classification: Perfume Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 991 | - | 527946 184141 |
| 119 | **Contemporary Trade Directory Entries**<br>Name: P H Factor<br>Location: 172, Regents Park Road, London, NW1 8XN<br>Classification: Toiletries<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A15NW (E) | 995 | - | 527949 184145 |
| 120 | **Contemporary Trade Directory Entries**<br>Name: Townsends<br>Location: 106, Boundary Road, London, NW8 0RH<br>Classification: Fireplaces & Mantelpieces<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 995 | - | 525952 183636 |
| 121 | **Fuel Station Entries**<br>Name: Boundary Road Service Station<br>Location: 150, Loudon Road , St Johns Wood , London, Inner London, NW8 0DH<br>Brand: Total<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 477 | - | 526423 183961 |
| 122 | **Fuel Station Entries**<br>Name: Loudon Road Service Station<br>Location: 21a, Loudon Road , St Johns Wood , London, Inner London, NW8 0NB<br>Brand: Unbranded<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Manually positioned to the address or location | A12SE (SW) | 594 | - | 526375 183661 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 123 | **Fuel Station Entries**<br>Name: Hampstead Service Station<br>Location: 104a, Finchley Road , Hampstead , London, Inner London, NW3 5EY<br>Brand: BP<br>Premises Type: Petrol Station<br>**Status: Open**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 745 | - | 526471 184554 |
| 124 | **Fuel Station Entries**<br>Name: Mfg Lords<br>Location: 21-41, Wellington Road , St Johns Wood , London, Inner London, NW8 9SQ<br>Brand: BP<br>Premises Type: Petrol Station<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 840 | - | 526864 183080 |
| 125 | **Points of Interest - Commercial Services**<br>Name: Tyre Tigers<br>Location: 97 Avenue Road, London, NW3 5EJ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (NW) | 297 | 9 | 526723 184178 |
| 125 | **Points of Interest - Commercial Services**<br>Name: Golf Doktor<br>Location: 96 Regency Pde, Finchley Rd, London, NW3 5EG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (NW) | 307 | 9 | 526693 184165 |
| 125 | **Points of Interest - Commercial Services**<br>Name: Kar Dok<br>Location: Regency Service Station 96, Finchley Road, London, NW3 5EL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (NW) | 332 | 9 | 526690 184196 |
| 126 | **Points of Interest - Commercial Services**<br>Name: Lions Gate<br>Location: 58 Acacia Road, London, NW8 6AG<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8NW (S) | 533 | 9 | 526819 183393 |
| 127 | **Points of Interest - Commercial Services**<br>Name: Thorne Henderson<br>Location: 79 Loudoun Road, London, NW8 0DQ<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A12NE (W) | 557 | 9 | 526346 183997 |
| 128 | **Points of Interest - Commercial Services**<br>Name: Atton Fleet Care Ltd<br>Location: 45 Quickswood, London, NW3 3SA<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 575 | 9 | 527433 184308 |
| 129 | **Points of Interest - Commercial Services**<br>Name: Speedway Autocare<br>Location: 1 Northways Parade, London, NW3 5EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 612 | 9 | 526596 184482 |
| 129 | **Points of Interest - Commercial Services**<br>Name: Speedway Autocare Ltd<br>Location: 1 Northways Parade, London, NW3 5EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 612 | 9 | 526596 184482 |
| 129 | **Points of Interest - Commercial Services**<br>Name: Speedway<br>Location: 1 Northways Parade, London, NW3 5EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 612 | 9 | 526596 184482 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 129 | **Points of Interest - Commercial Services**<br>Name: Volvo Cars London<br>Location: 1a Northways Parade, London, NW3 5EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 626 | 9 | 526584 184491 |
| 130 | **Points of Interest - Commercial Services**<br>Name: Yemen Gulf Line<br>Location: Prince Albert House 2, Kingsmill Terrace, London, NW8 6BN<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 659 | 9 | 526893 183259 |
| 131 | **Points of Interest - Commercial Services**<br>Name: Schmitt Automobile Services Ltd<br>Location: 109 Goldhurst Terrace, London, NW6 3HA<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A12NE (NW) | 684 | 9 | 526282 184233 |
| 131 | **Points of Interest - Commercial Services**<br>Name: Schmitt Automobile Services Ltd<br>Location: 109 Goldhurst Terrace, London, NW6 3HA<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A12NE (NW) | 684 | 9 | 526282 184233 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Blue Team<br>Location: 5-6 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 694 | 9 | 527336 184562 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Hampstead Motor Services UK Ltd<br>Location: 4 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 697 | 9 | 527295 184591 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Hampstead Motor Services Ltd<br>Location: 4 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 698 | 9 | 527295 184591 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Autotech London Ltd<br>Location: 3 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 707 | 9 | 527299 184600 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Autotech Hamstead<br>Location: 3 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 707 | 9 | 527299 184600 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Porsheworx<br>Location: 2 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 715 | 9 | 527303 184607 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Porsheworx Engineering Ltd<br>Location: 2 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 715 | 9 | 527303 184607 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 717 | 9 | 527326 184596 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 132 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 717 | 9 | 527326 184596 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 717 | 9 | 527326 184596 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Camden M O T Garage<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 718 | 9 | 527346 184585 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Hmc Fleet Maintenance Centre<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 718 | 9 | 527346 184585 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Little & Pace Motors<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 718 | 9 | 527346 184585 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Belsize Automotive Repairs<br>Location: 3 Eton Garages, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 720 | 9 | 527344 184588 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Kassbet Ltd<br>Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 726 | 9 | 527349 184592 |
| 132 | **Points of Interest - Commercial Services**<br>Name: Little & Pace Motors<br>Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 728 | 9 | 527346 184596 |
| 133 | **Points of Interest - Commercial Services**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Rd, London, NW3 3QB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SE (NE) | 755 | 9 | 527628 184339 |
| 133 | **Points of Interest - Commercial Services**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Road, London, NW3 3XX<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19SE (NE) | 755 | 9 | 527628 184339 |
| 134 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors (Fleetmead)<br>Location: 23A Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184663 |
| 134 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184662 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 134 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors<br>Location: A 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184663 |
| 134 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: A 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184663 |
| 134 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors<br>Location: 23A Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184662 |
| 134 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: 23a Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 792 | 9 | 527361 184663 |
| 135 | **Points of Interest - Commercial Services**<br>Name: C D<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 813 | 9 | 527245 183177 |
| 135 | **Points of Interest - Commercial Services**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 813 | 9 | 527245 183177 |
| 135 | **Points of Interest - Commercial Services**<br>Name: C D Carriage Co<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 813 | 9 | 527245 183177 |
| 135 | **Points of Interest - Commercial Services**<br>Name: Oslo Court Garage<br>Location: Oslo Court, Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 813 | 9 | 527245 183177 |
| 136 | **Points of Interest - Commercial Services**<br>Name: St Johns Wood Autos<br>Location: Abbey Road, London, NW8 9DN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 821 | 9 | 526443 183244 |
| 136 | **Points of Interest - Commercial Services**<br>Name: St Johns Wood Autos<br>Location: Langford Place, Basement 0f 22 Abbey Road, Westminster, London, NW8 9DN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 833 | 9 | 526419 183246 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Auto Reliant Suspension Co<br>Location: 25 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 918 | 9 | 526768 184884 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Daleham Garage<br>Location: 14 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 932 | 9 | 526749 184894 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 137 | **Points of Interest - Commercial Services**<br>Name: Daleham Garage<br>Location: 14 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 932 | 9 | 526749 184894 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Comac Motors<br>Location: 19 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 945 | 9 | 526770 184911 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Continental Autos<br>Location: 10 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 955 | 9 | 526749 184917 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Continental Autos<br>Location: 10 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 955 | 9 | 526749 184917 |
| 137 | **Points of Interest - Commercial Services**<br>Name: Comac Motors<br>Location: 13 Daleham Mews, London, NW3 5DB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 969 | 9 | 526773 184937 |
| 138 | **Points of Interest - Commercial Services**<br>Name: Shakti Veda Spa<br>Location: 75 Abbey Road, London, NW8 0AE<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A12SW (W) | 941 | 9 | 526010 183634 |
| 139 | **Points of Interest - Commercial Services**<br>Name: L T C Distribution<br>Location: 1-3 Canfield Place, London, NW6 3BT<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A17NW (NW) | 994 | 9 | 526251 184691 |
| 140 | **Points of Interest - Education and Health**<br>Name: Hospital of St John & St Elizabeth<br>Location: 60 Grove End Road, London, NW8 9NH<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 768 | 9 | 526649 183196 |
| 140 | **Points of Interest - Education and Health**<br>Name: Hospital of St John & St Elizabeth<br>Location: 60 Grove End Road, London, NW8 9NH<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 769 | 9 | 526649 183196 |
| 140 | **Points of Interest - Education and Health**<br>Name: Hospital of St John & St Elizabeth<br>Location: 60 Grove End Road, London, NW8 9NH<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 769 | 9 | 526649 183196 |
| 141 | **Points of Interest - Education and Health**<br>Name: The Wellington Hospital North Building<br>Location: 27 Circus Road, London, NW8 6PG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 780 | 9 | 526816 183144 |
| 141 | **Points of Interest - Education and Health**<br>Name: Wellington Hospital<br>Location: 8a Wellington Place, London, NW8 9LE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 797 | 9 | 526814 183127 |

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|---|---|---|---|---|---|
| 141 | **Points of Interest - Education and Health**<br>Name: The Wellington Hospital<br>Location: 8a Wellington Place, London, NW8 9LE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 797 | 9 | 526814 183127 |
| 142 | **Points of Interest - Education and Health**<br>Name: Daleham House<br>Location: 5 Daleham Gardens, London, NW3 5BY<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 789 | 9 | 526684 184727 |
| 143 | **Points of Interest - Education and Health**<br>Name: The Wellington Hospital<br>Location: 8a Wellington Place, London, NW8 9LE<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 930 | 9 | 526931 182989 |
| 144 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW3<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 233 | 9 | 527172 184085 |
| 145 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW8<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A12SE (W) | 452 | 9 | 526460 183836 |
| 145 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW8<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A12SE (W) | 461 | 9 | 526451 183832 |
| 145 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW8<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A12SE (W) | 483 | 9 | 526444 183778 |
| 146 | **Points of Interest - Manufacturing and Production**<br>Name: Shaft<br>Location: NW6<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 496 | 9 | 526507 184242 |
| 147 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW8<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A12SE (SW) | 501 | 9 | 526451 183717 |
| 148 | **Points of Interest - Manufacturing and Production**<br>Name: Shaft<br>Location: NW6<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 643 | 9 | 526479 184425 |
| 149 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW3<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (NE) | 692 | 9 | 527585 184286 |
| 149 | **Points of Interest - Manufacturing and Production**<br>Name: Air Shaft<br>Location: NW3<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (NE) | 723 | 9 | 527623 184278 |

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| 150 | **Points of Interest - Manufacturing and Production**<br>Name: Castle Trading Wellington Building<br>Location: 28-32 Wellington Road, London, NW8 9SP<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 768 | 9 | 526904 183150 |
| 150 | **Points of Interest - Manufacturing and Production**<br>Name: Castle Trading Ltd<br>Location: 28-32 Wellington Road, London, NW8 9SP<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 768 | 9 | 526904 183150 |
| 150 | **Points of Interest - Manufacturing and Production**<br>Name: Castle M<br>Location: 28-32 Wellington Road, London, NW8 9SP<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 768 | 9 | 526904 183150 |
| 151 | **Points of Interest - Manufacturing and Production**<br>Name: Charles House<br>Location: Charles House, 108-110, Finchley Road, London, NW3 5JJ<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 843 | 9 | 526395 184617 |
| 152 | **Points of Interest - Manufacturing and Production**<br>Name: Shaft<br>Location: NW8<br>Category: Extractive Industries<br>Class Code: Unspecified Quarries Or Mines<br>Positional Accuracy: Positioned to an adjacent address or location | A8SW (S) | 886 | 9 | 526920 183032 |
| 153 | **Points of Interest - Manufacturing and Production**<br>Name: Zarka Marble Ltd<br>Location: 43 Belsize Lane, London, NW3 5AU<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 937 | 9 | 526861 184917 |
| 153 | **Points of Interest - Manufacturing and Production**<br>Name: Zarka Marble Ltd<br>Location: 43 Belsize Lane, London, NW3 5AU<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to address or location | A18NW (N) | 937 | 9 | 526861 184917 |
| 154 | **Points of Interest - Public Infrastructure**<br>Name: South Hampstead Rail Station<br>Location: Loudoun Road, NW8<br>Category: Public Transport, Stations and Infrastructure<br>Class Code: Railway Stations, Junctions and Halts<br>Positional Accuracy: Positioned to address or location | A12NE (W) | 537 | 9 | 526379 184070 |
| 154 | **Points of Interest - Public Infrastructure**<br>Name: South Hampstead Station<br>Location: Loudoun Road, NW8<br>Category: Public Transport, Stations and Infrastructure<br>Class Code: Railway Stations, Junctions and Halts<br>Positional Accuracy: Positioned to address or location | A12NE (W) | 537 | 9 | 526379 184070 |
| 155 | **Points of Interest - Public Infrastructure**<br>Name: Belsize Fire Station<br>Location: Belsize Fire Station 36, Lancaster Grove, London, NW3 4PB<br>Category: Central and Local Government<br>Class Code: Fire Brigade Stations<br>Positional Accuracy: Positioned to address or location | A18SE (NE) | 626 | 9 | 527241 184539 |
| 156 | **Points of Interest - Public Infrastructure**<br>Name: BP Service Station<br>Location: 104a Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 745 | 9 | 526471 184554 |
| 156 | **Points of Interest - Public Infrastructure**<br>Name: Hampstead Service Station<br>Location: 104a Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 745 | 9 | 526471 184554 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 156 | **Points of Interest - Public Infrastructure**<br>Name: BP Harmony Hampstead Service Centre<br>Location: 104a Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 746 | 9 | 526471 184554 |
| 156 | **Points of Interest - Public Infrastructure**<br>Name: BP Connect<br>Location: 104a Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 746 | 9 | 526471 184554 |
| 156 | **Points of Interest - Public Infrastructure**<br>Name: BP Service Station<br>Location: 104a Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 746 | 9 | 526471 184554 |
| 156 | **Points of Interest - Public Infrastructure**<br>Name: Hampstead Service Centre<br>Location: A 104 Finchley Road, London, NW3 5EY<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 746 | 9 | 526471 184554 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: M R H Service Station<br>Location: 21-41 Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 839 | 9 | 526868 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: Wellington Service Station<br>Location: Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 840 | 9 | 526864 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: BP Service Station<br>Location: Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 840 | 9 | 526864 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: BP Connect<br>Location: Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 840 | 9 | 526864 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: Wellington Service Station<br>Location: Cavendishhouse, 21, Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 840 | 9 | 526864 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: Mfg Lords<br>Location: Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 840 | 9 | 526864 183080 |
| 157 | **Points of Interest - Public Infrastructure**<br>Name: BP Service Station<br>Location: Wellington Road Service Station 21-41, Wellington Road, London, NW8 9SQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A8SW (S) | 854 | 9 | 526876 183065 |
| 158 | **Points of Interest - Public Infrastructure**<br>Name: St John's Wood Police Station<br>Location: St. Johns Wood Police Station 20 & A Half, Newcourt Street, London, NW8 7AA<br>Category: Central and Local Government<br>Class Code: Police Stations<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 871 | 9 | 527170 183087 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 158 | **Points of Interest - Public Infrastructure**<br>Name: St Johns Wood Police Station<br>Location: St. Johns Wood Police Station 20 & A Hal, Newcourt Street, London, NW8 7AA<br>Category: Central and Local Government<br>Class Code: Police Stations<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 871 | 9 | 527170 183087 |
| 158 | **Points of Interest - Public Infrastructure**<br>Name: Metroploitan Police Service St Johns Wood<br>Location: St. Johns Wood Police Station & A Half 20, Newcourt Street, London, NW8 7AA<br>Category: Central and Local Government<br>Class Code: Police Stations<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 871 | 9 | 527170 183087 |
| 159 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (N) | 294 | 9 | 527029 184268 |
| 160 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Avenue Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A13NW (NW) | 313 | 9 | 526777 184244 |
| 160 | **Points of Interest - Recreational and Environmental**<br>Name: Adventure Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A13NW (N) | 331 | 9 | 526804 184281 |
| 161 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 403 | 9 | 526558 184152 |
| 161 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Hilgrove Road, NW6<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 403 | 9 | 526558 184152 |
| 161 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 421 | 9 | 526535 184149 |
| 161 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Hilgrove Road, NW6<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 421 | 9 | 526535 184149 |
| 162 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Fellows Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18SE (NE) | 473 | 9 | 527238 184361 |
| 162 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18SE (NE) | 474 | 9 | 527238 184362 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 163 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 552 | 9 | 527366 184353 |
| 164 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 560 | 9 | 527177 183426 |
| 164 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: St John'S Wood Terrace, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 560 | 9 | 527177 183426 |
| 164 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 596 | 9 | 527195 183394 |
| 164 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Allitsen Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 599 | 9 | 527204 183396 |
| 165 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 622 | 9 | 526477 184395 |
| 165 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Harben Road, NW6<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 626 | 9 | 526479 184402 |
| 166 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 656 | 9 | 527528 184313 |
| 167 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 726 | 9 | 526174 183909 |
| 167 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Rowley Way, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 726 | 9 | 526174 183909 |
| 167 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 748 | 9 | 526153 183897 |
| 167 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Rowley Way, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 748 | 9 | 526153 183896 |

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|---|---|---|---|---|---|
| 168 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Loudoun Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 804 | 9 | 526536 183207 |
| 168 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A7SE (SW) | 806 | 9 | 526536 183205 |
| 169 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E) | 811 | 9 | 527756 184168 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 872 | 9 | 526032 183848 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Rowley Way, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 872 | 9 | 526032 183848 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 873 | 9 | 526034 183829 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Rowley Way, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A12SW (W) | 874 | 9 | 526033 183830 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 949 | 9 | 525962 183795 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Abbey Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 949 | 9 | 525962 183795 |
| 170 | **Points of Interest - Recreational and Environmental**<br>Name: Play Centre<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 984 | 9 | 525930 183773 |
| 171 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A9SW (SE) | 906 | 9 | 527409 183162 |
| 172 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Wellington Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 980 | 9 | 527048 182948 |

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| 172 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8SE (S) | 989 | 9 | 527050 182939 |
| 173 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14SE (E) | 992 | 9 | 527902 183631 |
| 173 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Prince Albert Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14SE (E) | 992 | 9 | 527902 183631 |
| 174 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005742<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13SE (SE) | 81 | 10 | 527005 183878 |
| 175 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005962<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13SE (SE) | 81 | 10 | 527005 183878 |
| 176 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005967<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13SE (S) | 94 | 10 | 526972 183847 |
| 177 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007952<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13SE (S) | 95 | 10 | 526973 183847 |
| 178 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005960<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13NE (N) | 118 | 10 | 526965 184102 |
| 179 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006130<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A13NE (N) | 119 | 10 | 526965 184102 |
| 180 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006069<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A8NW (S) | 326 | 10 | 526826 183604 |

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|---|---|---|---|---|---|
| 181 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005937<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A8NW (S) | 326 | 10 | 526825 183604 |
| 182 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005416<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18SW (N) | 411 | 10 | 526801 184367 |
| 183 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005934<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18SW (N) | 411 | 10 | 526801 184366 |
| 184 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007708<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18SW (N) | 460 | 10 | 526777 184410 |
| 185 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005918<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18SW (N) | 460 | 10 | 526777 184409 |
| 186 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006209<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A14SW (E) | 465 | 10 | 527432 183924 |
| 187 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007679<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A14SW (E) | 474 | 10 | 527442 183933 |
| 188 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008209<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A14SW (E) | 479 | 10 | 527443 183898 |
| 189 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008201<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A14SW (E) | 509 | 10 | 527469 183875 |
| 190 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008256<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A14NW (E) | 571 | 10 | 527524 184103 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 191 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005732<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A14NW (E) | 573 | 10 | 527528 184098 |
| 192 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006068<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A8NW (S) | 575 | 10 | 526811 183352 |
| 193 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007707<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A8NW (S) | 575 | 10 | 526811 183352 |
| 194 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006260<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A19SW (NE) | 646 | 10 | 527518 184310 |
| 195 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005731<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A19SW (NE) | 657 | 10 | 527518 184330 |
| 196 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006210<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A14SE (E) | 684 | 10 | 527618 183750 |
| 197 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005919<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18NW (N) | 688 | 10 | 526834 184662 |
| 198 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005733<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A14SE (E) | 689 | 10 | 527625 183759 |
| 199 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006131<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18NW (N) | 689 | 10 | 526834 184663 |
| 200 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008141<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NE (SE) | 750 | 10 | 527616 183589 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 201 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008222<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NW (SE) | 804 | 10 | 527460 183330 |
| 202 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007875<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NW (SE) | 805 | 10 | 527460 183330 |
| 203 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007835<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NW (SE) | 807 | 10 | 527460 183326 |
| 204 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008290<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A9NW (SE) | 809 | 10 | 527461 183325 |
| 205 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006662<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NW (SE) | 826 | 10 | 527575 183407 |
| 206 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10008027<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A9NE (SE) | 842 | 10 | 527723 183594 |
| 207 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006670<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9NE (SE) | 855 | 10 | 527645 183445 |
| 208 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006618<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9SW (SE) | 857 | 10 | 527374 183197 |
| 209 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005946<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A19SE (NE) | 858 | 10 | 527720 184385 |
| 210 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10006259<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A19SE (NE) | 867 | 10 | 527719 184405 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 211 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005421<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A19SE (NE) | 867 | 10 | 527719 184405 |
| 212 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007705<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A7SE (S) | 882 | 10 | 526582 183099 |
| 213 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005936<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A7SE (S) | 883 | 10 | 526582 183099 |
| 214 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005730<br>Cable Status: Electrically Decommissioned<br>Cable Type: Decommissioned<br>Record Last Updated: 9th January 2023 | A19SE (NE) | 885 | 10 | 527732 184418 |
| 215 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005832<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A9SW (SE) | 902 | 10 | 527339 183124 |
| 216 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10005743<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18NW (N) | 950 | 10 | 526891 184932 |
| 217 | **Underground Electrical Cables**<br>Unique Feature Identifier: 10007954<br>Cable Status: Electrically Decommissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 9th January 2023 | A18NW (N) | 950 | 10 | 526891 184932 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 218 | **Local Nature Reserves**<br>Name: Adelaide<br>Multiple Area: N<br>Area (m2): 2767.76<br>Source: Natural England<br>Designation Date: Not Supplied | A19SW (NE) | 689 | 11 | 527576 184295 |
| 219 | **Local Nature Reserves**<br>Name: St Johns Wood Church Grounds<br>Multiple Area: N<br>Area (m2): 19876.67<br>Source: Natural England<br>Designation Date: 1st January 1998 | A8SE (S) | 879 | 11 | 527088 183057 |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Contaminated Land Register Entries and Notices** | | |
| London Borough of Camden - Pollution Projects Team | March 2013 | Annual Rolling Update |
| London Borough of Lambeth - Environmental Health Department | November 2014 | Annual Rolling Update |
| Environment Agency - Head Office | November 2023 | Annually |
| London Borough of Hackney - Environmental Health Department | October 2017 | Annual Rolling Update |
| Royal Borough of Kensington And Chelsea - Environmental Services | October 2017 | Annual Rolling Update |
| City of London - Environmental Health Department | September 2017 | Annual Rolling Update |
| London Borough of Barnet - Environmental Health Department | September 2017 | Annual Rolling Update |
| London Borough of Brent - Environmental Health Department | September 2017 | Annual Rolling Update |
| London Borough of Ealing - Environmental Health and Trading Standards Division | September 2017 | Annual Rolling Update |
| London Borough of Hammersmith And Fulham - Environmental Health Department | September 2017 | Annual Rolling Update |
| London Borough of Haringey - Planning and Environmental Health | September 2017 | Annual Rolling Update |
| London Borough of Islington - Public Protection | September 2017 | Annual Rolling Update |
| London Borough of Tower Hamlets - Environmental Health Department | September 2017 | Annual Rolling Update |
| London Borough of Wandsworth - Environmental Health Department | September 2017 | Annual Rolling Update |
| Westminster City Council - Environmental Health Department | September 2017 | Annual Rolling Update |
| **Discharge Consents** | | |
| Environment Agency - Thames Region | April 2024 | Quarterly |
| **Enforcement and Prohibition Notices** | | |
| Environment Agency - Thames Region | March 2013 | |
| **Integrated Pollution Controls** | | |
| Environment Agency - Thames Region | January 2009 | |
| **Integrated Pollution Prevention And Control** | | |
| Environment Agency - South East Region - Kent & South London Area | October 2023 | Quarterly |
| Environment Agency - South East Region - North East Thames Area | October 2023 | Quarterly |
| Environment Agency - Thames Region | October 2023 | Quarterly |
| **Local Authority Integrated Pollution Prevention And Control** | | |
| City of London - Environmental Health Department | August 2014 | Variable |
| London Borough of Wandsworth - Environmental Health Department | August 2014 | Variable |
| London Borough of Barnet - Environmental Health Department | December 2014 | Variable |
| London Borough of Ealing - Environmental Health and Trading Standards Division | December 2020 | Variable |
| London Borough of Islington - Environmental Health Department | January 2015 | Variable |
| London Borough of Hackney - Environmental Health Department | July 2015 | Variable |
| London Borough of Haringey - Planning and Environmental Health | June 2014 | Variable |
| London Borough of Hammersmith And Fulham - Environmental Health Department | March 2014 | Variable |
| London Borough of Brent - Environmental Health Department | March 2016 | Variable |
| London Borough of Lambeth - Environmental Health Department | May 2016 | Variable |
| Westminster City Council - Environmental Health Department | November 2015 | Variable |
| London Borough of Camden - Pollution Projects Team | October 2014 | Variable |
| London Borough of Tower Hamlets - Environmental Health Department | October 2014 | Variable |
| London Port Health Authority - Environmental Services | October 2014 | Variable |
| Royal Borough of Kensington And Chelsea - Environmental Health Department | September 2014 | Variable |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Local Authority Pollution Prevention and Controls** | | |
| City of London - Environmental Health Department | August 2014 | Not Applicable |
| London Borough of Barnet - Environmental Health Department | December 2020 | Annual Rolling Update |
| London Borough of Ealing - Environmental Health and Trading Standards Division | December 2020 | Annual Rolling Update |
| London Borough of Hackney - Environmental Health Department | December 2020 | Annual Rolling Update |
| London Borough of Haringey - Planning and Environmental Health | December 2020 | Annual Rolling Update |
| London Borough of Wandsworth - Environmental Health Department | December 2020 | Annual Rolling Update |
| London Port Health Authority - Environmental Services | December 2020 | Annual Rolling Update |
| Royal Borough of Kensington And Chelsea - Environmental Health Department | December 2020 | Annual Rolling Update |
| London Borough of Islington - Environmental Health Department | January 2015 | Annual Rolling Update |
| London Borough of Hammersmith And Fulham - Environmental Health Department | March 2014 | Annual Rolling Update |
| London Borough of Brent - Environmental Health Department | March 2016 | Annual Rolling Update |
| London Borough of Lambeth - Environmental Health Department | May 2016 | Annual Rolling Update |
| Westminster City Council - Environmental Health Department | November 2015 | Not Applicable |
| London Borough of Camden - Pollution Projects Team | October 2014 | Annual Rolling Update |
| London Borough of Tower Hamlets - Environmental Health Department | October 2014 | Annual Rolling Update |
| London Borough of Waltham Forest - Environmental Health Department | September 2014 | Annual Rolling Update |
| **Local Authority Pollution Prevention and Control Enforcements** | | |
| City of London - Environmental Health Department | August 2014 | Variable |
| London Borough of Wandsworth - Environmental Health Department | August 2014 | Variable |
| London Borough of Barnet - Environmental Health Department | December 2014 | Variable |
| London Borough of Islington - Environmental Health Department | January 2015 | Variable |
| London Borough of Ealing - Environmental Health and Trading Standards Division | July 2015 | Variable |
| London Borough of Hackney - Environmental Health Department | July 2015 | Variable |
| London Borough of Haringey - Planning and Environmental Health | June 2014 | Variable |
| London Borough of Hammersmith And Fulham - Environmental Health Department | March 2014 | Variable |
| London Borough of Brent - Environmental Health Department | March 2016 | Variable |
| London Borough of Lambeth - Environmental Health Department | May 2016 | Variable |
| Westminster City Council - Environmental Health Department | November 2015 | Variable |
| London Borough of Camden - Pollution Projects Team | October 2014 | Variable |
| London Borough of Tower Hamlets - Environmental Health Department | October 2014 | Variable |
| London Port Health Authority - Environmental Services | October 2014 | Variable |
| Royal Borough of Kensington And Chelsea - Environmental Health Department | September 2014 | Variable |
| **Nearest Surface Water Feature** | | |
| Ordnance Survey | April 2024 | |
| **Pollution Incidents to Controlled Waters** | | |
| Environment Agency - Thames Region | September 1999 | |
| **Prosecutions Relating to Authorised Processes** | | |
| Environment Agency - Thames Region | July 2015 | |
| **Prosecutions Relating to Controlled Waters** | | |
| Environment Agency - Thames Region | March 2013 | |
| **Registered Radioactive Substances** | | |
| Environment Agency - Thames Region | May 2023 | As notified |
| Environment Agency - Head Office | May 2023 | Quarterly |
| **River Quality** | | |
| Environment Agency - Head Office | November 2001 | Not Applicable |
| **River Quality Biology Sampling Points** | | |
| Environment Agency - Head Office | April 2012 | |
| **River Quality Chemistry Sampling Points** | | |
| Environment Agency - Head Office | April 2012 | |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Substantiated Pollution Incident Register** | | |
| Environment Agency - South East Region - Kent & South London Area | April 2024 | Quarterly |
| Environment Agency - South East Region - North East Thames Area | April 2024 | Quarterly |
| Environment Agency - Thames Region - North East Area | April 2024 | Quarterly |
| Environment Agency - Thames Region - South East Area | April 2024 | Quarterly |
| **Water Abstractions** | | |
| Environment Agency - Thames Region | April 2024 | Quarterly |
| **Water Industry Act Referrals** | | |
| Environment Agency - Thames Region | October 2017 | |
| **Groundwater Vulnerability Map** | | |
| Environment Agency - Head Office | June 2018 | As notified |
| **Bedrock Aquifer Designations** | | |
| Environment Agency - Head Office | January 2018 | As notified |
| **Superficial Aquifer Designations** | | |
| Environment Agency - Head Office | January 2018 | As notified |
| **Source Protection Zones** | | |
| Environment Agency - Head Office | September 2022 | Bi-Annually |
| **Extreme Flooding from Rivers or Sea without Defences** | | |
| Environment Agency - Head Office | December 2023 | Quarterly |
| **Flooding from Rivers or Sea without Defences** | | |
| Environment Agency - Head Office | December 2023 | Quarterly |
| **Areas Benefiting from Flood Defences** | | |
| Environment Agency - Head Office | February 2023 | Quarterly |
| **Flood Water Storage Areas** | | |
| Environment Agency - Head Office | January 2024 | Quarterly |
| **Flood Defences** | | |
| Environment Agency - Head Office | August 2022 | Quarterly |
| **OS Water Network Lines** | | |
| Ordnance Survey | April 2024 | Quarterly |
| **Surface Water 1 in 30 year Flood Extent** | | |
| Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water 1 in 100 year Flood Extent** | | |
| Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water 1 in 1000 year Flood Extent** | | |
| Environment Agency - Head Office | May 2018 | Annually |
| **Surface Water Suitability** | | |
| Environment Agency - Head Office | February 2016 | Annually |
| **BGS Groundwater Flooding Susceptibility** | | |
| British Geological Survey - National Geoscience Information Service | May 2013 | As notified |

| Waste | Version | Update Cycle |
|---|---|---|
| **BGS Recorded Landfill Sites** | | |
| British Geological Survey - National Geoscience Information Service | November 2002 | As notified |
| **Historical Landfill Sites** | | |
| Environment Agency - Head Office | May 2024 | Quarterly |
| **Integrated Pollution Control Registered Waste Sites** | | |
| Environment Agency - Thames Region | January 2009 | Not Applicable |
| **Licensed Waste Management Facilities (Landfill Boundaries)** | | |
| Environment Agency - South East Region - Kent & South London Area | May 2024 | Quarterly |
| Environment Agency - South East Region - North East Thames Area | May 2024 | Quarterly |
| Environment Agency - Thames Region - North East Area | May 2024 | Quarterly |
| Environment Agency - Thames Region - South East Area | May 2024 | Quarterly |
| **Licensed Waste Management Facilities (Locations)** | | |
| Environment Agency - South East Region - Kent & South London Area | January 2023 | Quarterly |
| Environment Agency - South East Region - North East Thames Area | January 2023 | Quarterly |
| Environment Agency - Thames Region - North East Area | January 2023 | Quarterly |
| Environment Agency - Thames Region - South East Area | January 2023 | Quarterly |
| **Local Authority Landfill Coverage** | | |
| City of London - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Barnet | February 2003 | Not Applicable |
| London Borough of Brent - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Camden | February 2003 | Not Applicable |
| London Borough of Ealing | February 2003 | Not Applicable |
| London Borough of Hackney | February 2003 | Not Applicable |
| London Borough of Hammersmith And Fulham - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Haringey - Planning Department | February 2003 | Not Applicable |
| London Borough of Islington - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Lambeth - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Tower Hamlets - Environmental Health Department | February 2003 | Not Applicable |
| London Borough of Wandsworth - Environmental Health Department | February 2003 | Not Applicable |
| Royal Borough of Kensington And Chelsea | February 2003 | Not Applicable |
| Westminster City Council - Environmental Health Department | February 2003 | Not Applicable |
| **Local Authority Recorded Landfill Sites** | | |
| City of London - Environmental Health Department | October 2018 | |
| London Borough of Barnet | October 2018 | |
| London Borough of Brent - Environmental Health Department | October 2018 | |
| London Borough of Camden | October 2018 | |
| London Borough of Ealing | October 2018 | |
| London Borough of Hackney | October 2018 | |
| London Borough of Hammersmith And Fulham - Environmental Health Department | October 2018 | |
| London Borough of Haringey - Planning Department | October 2018 | |
| London Borough of Islington - Environmental Health Department | October 2018 | |
| London Borough of Lambeth - Environmental Health Department | October 2018 | |
| London Borough of Tower Hamlets - Environmental Health Department | October 2018 | |
| London Borough of Wandsworth - Environmental Health Department | October 2018 | |
| Royal Borough of Kensington And Chelsea | October 2018 | |
| Westminster City Council - Environmental Health Department | October 2018 | |
| **Potentially Infilled Land (Non-Water)** | | |
| Landmark Information Group Limited | December 1999 | |
| **Potentially Infilled Land (Water)** | | |
| Landmark Information Group Limited | December 1999 | |
| **Registered Landfill Sites** | | |
| Environment Agency - Thames Region - North East Area | March 2006 | Not Applicable |
| Environment Agency - Thames Region - South East Area | March 2006 | Not Applicable |

| Waste | Version | Update Cycle |
|---|---|---|
| **Registered Waste Transfer Sites** | | |
| Environment Agency - Thames Region - North East Area | April 2018 | |
| Environment Agency - Thames Region - South East Area | April 2018 | |
| **Registered Waste Treatment or Disposal Sites** | | |
| Environment Agency - Thames Region - North East Area | June 2015 | |
| Environment Agency - Thames Region - South East Area | June 2015 | |
| **Hazardous Substances** | **Version** | **Update Cycle** |
| **Control of Major Accident Hazards Sites (COMAH)** | | |
| Health and Safety Executive | January 2024 | Bi-Annually |
| **Explosive Sites** | | |
| Health and Safety Executive | March 2017 | |
| **Notification of Installations Handling Hazardous Substances (NIHHS)** | | |
| Health and Safety Executive | August 2001 | |
| **Planning Hazardous Substance Enforcements** | | |
| City of London | April 2023 | Variable |
| London Borough of Tower Hamlets | April 2023 | Variable |
| London Borough of Hammersmith And Fulham - Environmental Protection | August 2015 | Variable |
| London Borough of Lambeth - Planning Department | August 2023 | Variable |
| London Borough of Barnet | February 2016 | Variable |
| London Borough of Camden | February 2016 | Variable |
| London Borough of Ealing | February 2016 | Variable |
| London Borough of Hackney | February 2016 | Variable |
| Royal Borough of Kensington And Chelsea | February 2016 | Variable |
| Westminster City Council | February 2016 | Variable |
| London Borough of Haringey | February 2023 | Variable |
| London Port Health Authority - Environmental Services | January 2008 | Annual Rolling Update |
| London Borough of Wandsworth - Technical Services | July 2023 | Variable |
| London Borough of Brent | May 2023 | Variable |
| London Borough of Islington | October 2015 | Variable |
| **Planning Hazardous Substance Consents** | | |
| London Borough of Hammersmith And Fulham - Environmental Protection | August 2015 | Variable |
| City of London | February 2016 | Variable |
| London Borough of Barnet | February 2016 | Variable |
| London Borough of Camden | February 2016 | Variable |
| London Borough of Ealing | February 2016 | Variable |
| London Borough of Hackney | February 2016 | Variable |
| London Borough of Haringey | February 2016 | Variable |
| London Borough of Lambeth - Planning Department | February 2016 | Variable |
| London Borough of Tower Hamlets | February 2016 | Variable |
| London Borough of Wandsworth - Technical Services | February 2016 | Variable |
| Royal Borough of Kensington And Chelsea | February 2016 | Variable |
| Westminster City Council | February 2016 | Variable |
| London Port Health Authority - Environmental Services | January 2008 | Annual Rolling Update |
| London Borough of Brent | May 2023 | Variable |
| London Borough of Islington | October 2015 | Variable |

| Geological | Version | Update Cycle |
|---|---|---|
| **BGS 1:625,000 Solid Geology**<br>British Geological Survey - National Geoscience Information Service | January 2009 | As notified |
| **BGS Estimated Soil Chemistry**<br>British Geological Survey - National Geoscience Information Service | December 2015 | As notified |
| **BGS Recorded Mineral Sites**<br>British Geological Survey - National Geoscience Information Service | January 2024 | Bi-Annually |
| **BGS Urban Soil Chemistry**<br>British Geological Survey - National Geoscience Information Service | December 2015 | As notified |
| **BGS Urban Soil Chemistry Averages**<br>British Geological Survey - National Geoscience Information Service | December 2015 | As notified |
| **CBSCB Compensation District**<br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified |
| **Coal Mining Affected Areas**<br>The Coal Authority - Property Searches | February 2023 | Annual Rolling Update |
| **Mining Instability**<br>Ove Arup & Partners | June 1998 | Not Applicable |
| **Non Coal Mining Areas of Great Britain**<br>British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| **Potential for Collapsible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| **Potential for Compressible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Ground Dissolution Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Landslide Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Running Sand Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| **Radon Potential - Radon Affected Areas**<br>British Geological Survey - National Geoscience Information Service | October 2023 | Annually |
| **Radon Potential - Radon Protection Measures**<br>British Geological Survey - National Geoscience Information Service | October 2023 | Annually |

| Industrial Land Use | Version | Update Cycle |
|---|---|---|
| **Contemporary Trade Directory Entries**<br>Thomson Directories | April 2024 | Quarterly |
| **Fuel Station Entries**<br>Catalist Ltd - Experian | February 2024 | Quarterly |
| **Gas Pipelines**<br>National Grid | October 2021 | Bi-Annually |
| **Points of Interest - Commercial Services**<br>PointX | June 2024 | Quarterly |
| **Points of Interest - Education and Health**<br>PointX | June 2024 | Quarterly |
| **Points of Interest - Manufacturing and Production**<br>PointX | June 2024 | Quarterly |
| **Points of Interest - Public Infrastructure**<br>PointX | June 2024 | Quarterly |
| **Points of Interest - Recreational and Environmental**<br>PointX | June 2024 | Quarterly |
| **Underground Electrical Cables**<br>National Grid | January 2024 | Bi-Annually |

| Sensitive Land Use | Version | Update Cycle |
|---|---|---|
| **Ancient Woodland** | | |
| Natural England | April 2024 | Bi-Annually |
| **Areas of Adopted Green Belt** | | |
| City of London | February 2024 | Quarterly |
| London Borough of Barnet | February 2024 | Quarterly |
| London Borough of Brent | February 2024 | Quarterly |
| London Borough of Camden | February 2024 | Quarterly |
| London Borough of Ealing | February 2024 | Quarterly |
| London Borough of Hackney | February 2024 | Quarterly |
| London Borough of Hammersmith And Fulham - Environment Department | February 2024 | Quarterly |
| London Borough of Haringey | February 2024 | Quarterly |
| London Borough of Islington | February 2024 | Quarterly |
| London Borough of Lambeth | February 2024 | Quarterly |
| London Borough of Tower Hamlets | February 2024 | Quarterly |
| London Borough of Wandsworth - Technical Services | February 2024 | Quarterly |
| Royal Borough of Kensington And Chelsea | February 2024 | Quarterly |
| Westminster City Council | February 2024 | Quarterly |
| **Areas of Unadopted Green Belt** | | |
| City of London | February 2024 | Quarterly |
| London Borough of Barnet | February 2024 | Quarterly |
| London Borough of Brent | February 2024 | Quarterly |
| London Borough of Camden | February 2024 | Quarterly |
| London Borough of Ealing | February 2024 | Quarterly |
| London Borough of Hackney | February 2024 | Quarterly |
| London Borough of Hammersmith And Fulham - Environment Department | February 2024 | Quarterly |
| London Borough of Haringey | February 2024 | Quarterly |
| London Borough of Islington | February 2024 | Quarterly |
| London Borough of Lambeth | February 2024 | Quarterly |
| London Borough of Tower Hamlets | February 2024 | Quarterly |
| London Borough of Wandsworth - Technical Services | February 2024 | Quarterly |
| Royal Borough of Kensington And Chelsea | February 2024 | Quarterly |
| Westminster City Council | February 2024 | Quarterly |
| **Areas of Outstanding Natural Beauty** | | |
| Natural England | May 2024 | Bi-Annually |
| **Environmentally Sensitive Areas** | | |
| Natural England | August 2023 | |
| **Forest Parks** | | |
| Forestry Commission | May 2023 | Not Applicable |
| **Local Nature Reserves** | | |
| Natural England | February 2024 | Bi-Annually |
| **Marine Nature Reserves** | | |
| Natural England | February 2024 | Bi-Annually |
| **National Nature Reserves** | | |
| Natural England | February 2024 | Bi-Annually |
| **National Parks** | | |
| Natural England | February 2018 | Bi-Annually |
| **Nitrate Sensitive Areas** | | |
| Natural England | April 2023 | Not Applicable |
| **Nitrate Vulnerable Zones** | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | April 2016 | |
| Environment Agency - Head Office | April 2024 | Bi-Annually |
| **Ramsar Sites** | | |
| Natural England | February 2024 | Bi-Annually |

| Sensitive Land Use | Version | Update Cycle |
|---|---|---|
| **Sites of Special Scientific Interest**<br>Natural England | April 2024 | Bi-Annually |
| **Special Areas of Conservation**<br>Natural England | April 2024 | Bi-Annually |
| **Special Protection Areas**<br>Natural England | April 2024 | Bi-Annually |

# Data Suppliers

A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|---|---|
| **Ordnance Survey** | |
| **Environment Agency** | |
| **Scottish Environment Protection Agency** | |
| **The Coal Authority** | |
| **British Geological Survey** | |
| **Centre for Ecology and Hydrology** | |
| **Natural Resources Wales** | |
| **Scottish Natural Heritage** | |
| **Natural England** | |
| **Public Health England** | |
| **Ove Arup** | |
| **Stantec UK Ltd** | |

# Useful Contacts

| Contact | Name and Address | Contact Details |
|---|---|---|
| 1 | **British Geological Survey - Enquiry Service**<br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk |
| 2 | **Environment Agency - National Customer Contact Centre (NCCC)**<br>PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk |
| 3 | **London Borough of Waltham Forest - Environmental Health Department**<br>154 Blackhorse Road, Walthamstow, London, E17 6NW | Telephone: 020 8496 3000<br>Fax: 0181 524 8960<br>Website: www.lbwf.gov.uk |
| 4 | **London Borough of Camden - Pollution Projects Team**<br>Seventh Floor, Town Hall Extension, Argyle Street, London, WC1H 8EQ | Telephone: 020 7278 4444<br>Fax: 020 7860 5713<br>Website: www.camden.gov.uk |
| 5 | **Westminster City Council - Environmental Health Department**<br>Council House, Marylebone Road, London, NW1 5PT | Telephone: 020 7641 1317<br>Fax: 020 7641 1142<br>Website: www.westminster.gov.uk |
| 6 | **Environment Agency - Head Office**<br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD | Telephone: 01454 624400<br>Fax: 01454 624409 |
| 7 | **Ordnance Survey**<br>Adanac Drive, Southampton, Hampshire, SO16 0AS | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk |
| 8 | **London Borough of Camden**<br>Town Hall, Judd Street, London, WC1H 9JE | Telephone: 020 7974 4444<br>Fax: 020 7974 6866<br>Email: info@camden.gov.uk<br>Website: www.camden.gov.uk |
| 9 | **PointX**<br>5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY | Website: www.pointx.co.uk |
| 10 | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9966<br>Fax: 0844 844 9951<br>Email: helpdesk@landmark.co.uk<br>Website: www.landmark.co.uk |
| 11 | **Natural England**<br>County Hall, Spetchley Road, Worcester, WR5 2NP | Telephone: 0300 060 3900<br>Email: enquiries@naturalengland.org.uk<br>Website: www.naturalengland.org.uk |
| - | **Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards**<br>Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org |
| - | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

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

# Geology 1:50,000 Maps Legends

## Artificial Ground and Landslip

| Map Colour | Lex Code | Rock Name | Rock Type | Min and Max Age |
|---|---|---|---|---|
| | MGR | Made Ground (Undivided) | Artificial Deposit | Not Supplied - Holocene |
| | WGR | Worked Ground (Undivided) | Void | Not Supplied - Holocene |

## Superficial Geology

| Map Colour | Lex Code | Rock Name | Rock Type | Min and Max Age |
|---|---|---|---|---|
| | LASI | Langley Silt Member | Clay and Silt | Not Supplied - Devensian |
| | LHGR | Lynch Hill Gravel Member | Sand and Gravel | Not Supplied - Wolstonian |

## Bedrock and Faults

| Map Colour | Lex Code | Rock Name | Rock Type | Min and Max Age |
|---|---|---|---|---|
| | LC | London Clay Formation | Clay, Silt and Sand | Not Supplied - Ypresian |
| | CLGB | Claygate Member | Clay, Silt and Sand | Not Supplied - Ypresian |
| | BGS | Bagshot Formation | Sand | Not Supplied - Ypresian |

GEA

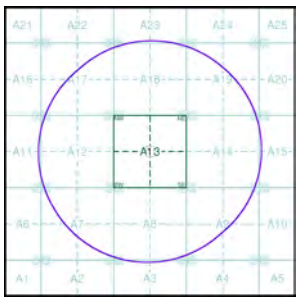
## Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:50,000 Maps Coverage

| | |
|---|---|
| **Map ID:** | **1** |
| **Map Sheet No:** | **256** |
| **Map Name:** | **North London** |
| **Map Date:** | **2006** |
| **Bedrock Geology:** | **Available** |
| **Superficial Geology:** | **Available** |
| **Artificial Geology:** | **Available** |
| **Faults:** | **Not Supplied** |
| **Landslip:** | **Available** |
| **Rock Segments:** | **Not Supplied** |

## Geology 1:50,000 Maps - Slice A




## Order Details:

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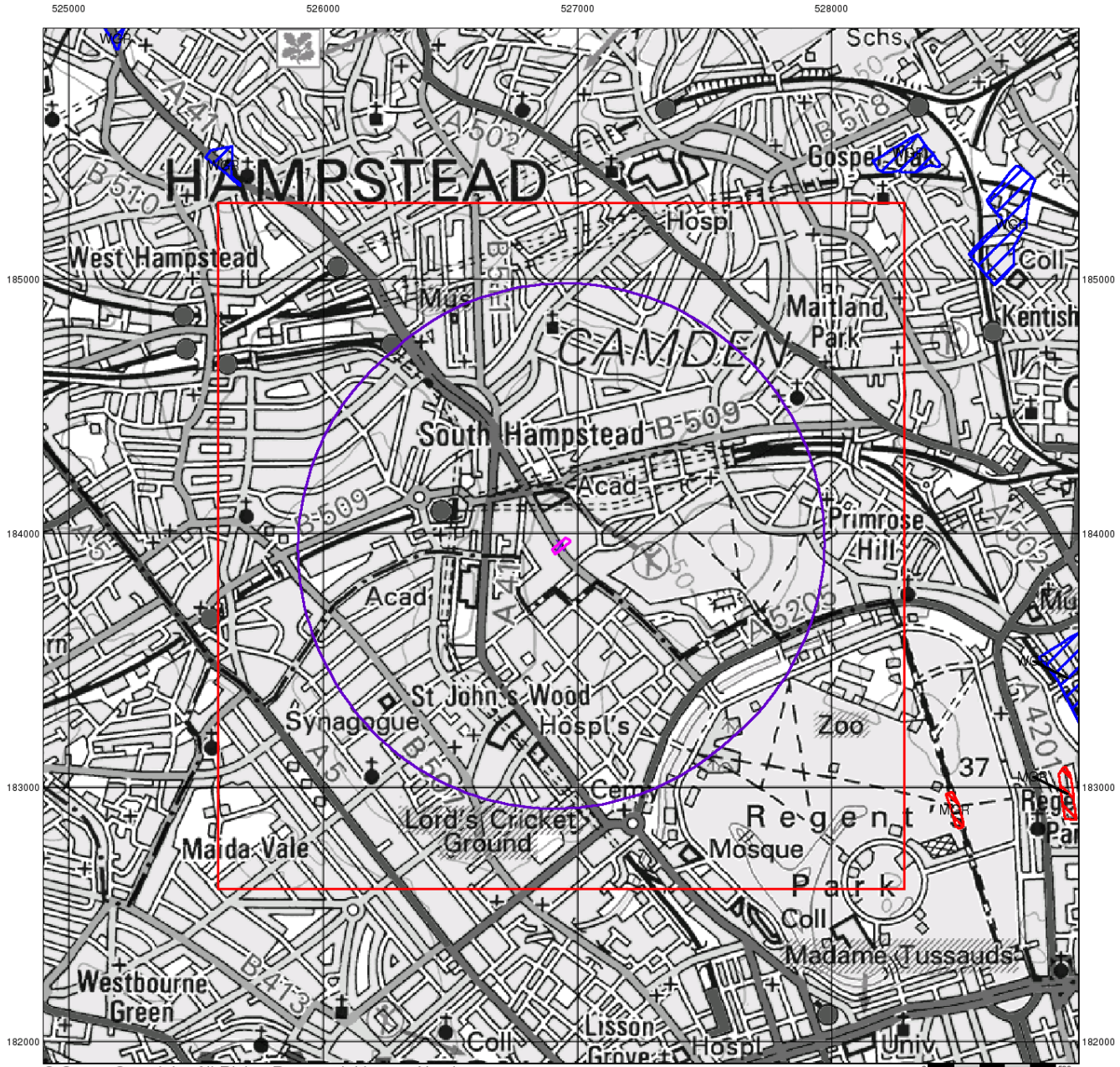
| Order Number: | 349751847_1_1 |
| Customer Reference: | J24140 |
| National Grid Reference: | 526930, 183950 |
| Slice: | A |
| Site Area (Ha): | 0.18 |
| Search Buffer (m): | 1000 |

## Site Details:

64, Avenue Road, LONDON, NW8 6HT

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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GEA

## Artificial Ground and Landslip

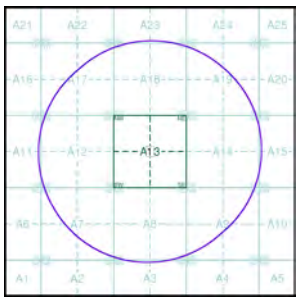
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

## Artificial Ground and Landslip Map - Slice A

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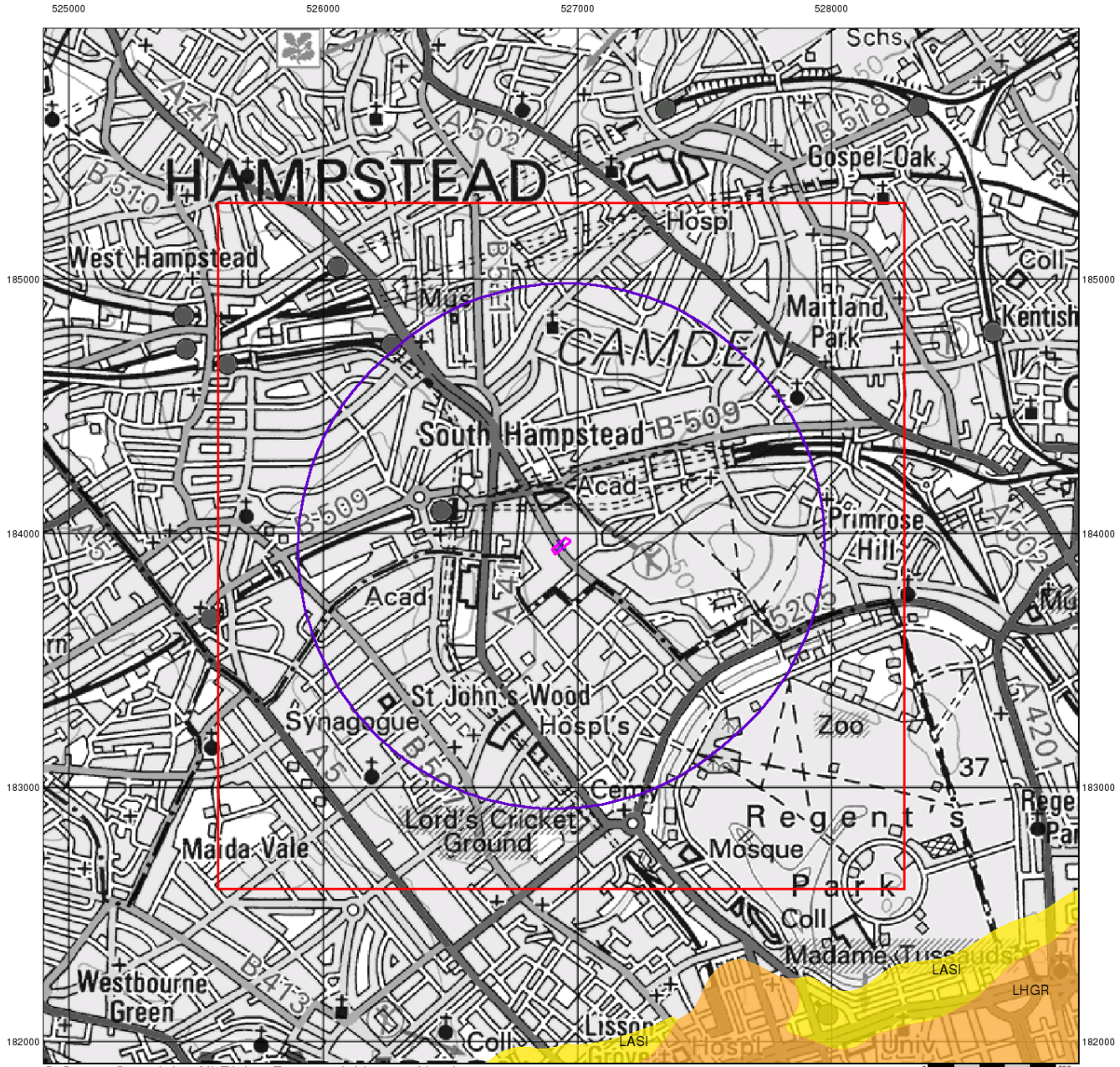


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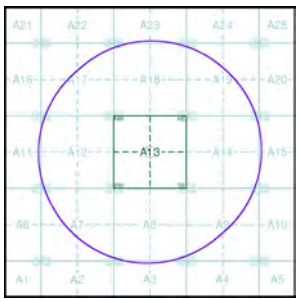
## Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

## Superficial Geology Map - Slice A

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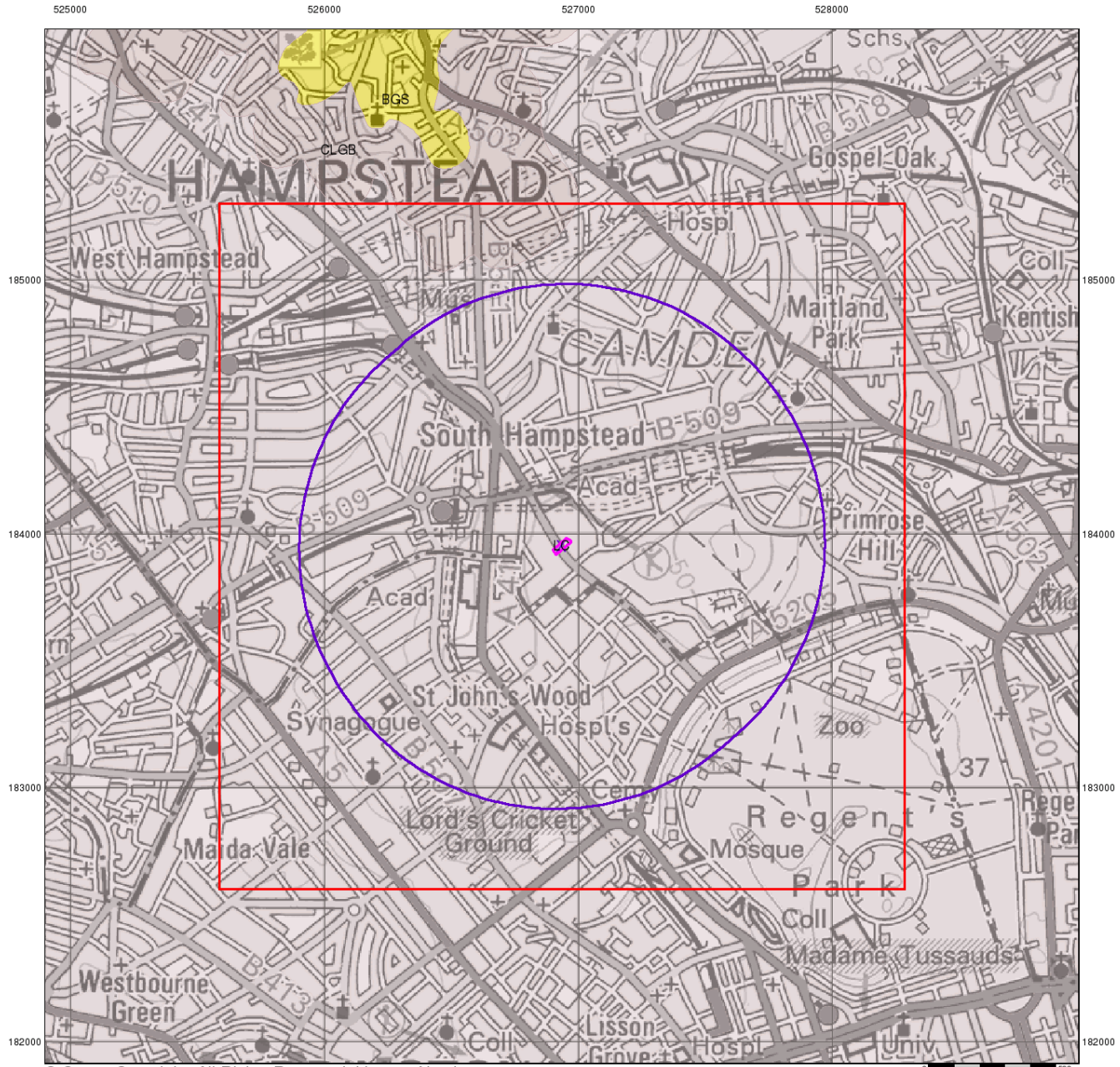


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## Bedrock and Faults

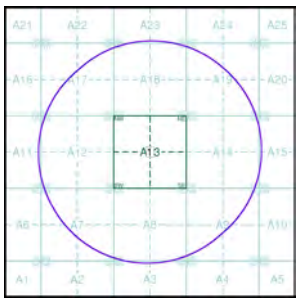
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

## Bedrock and Faults Map - Slice A

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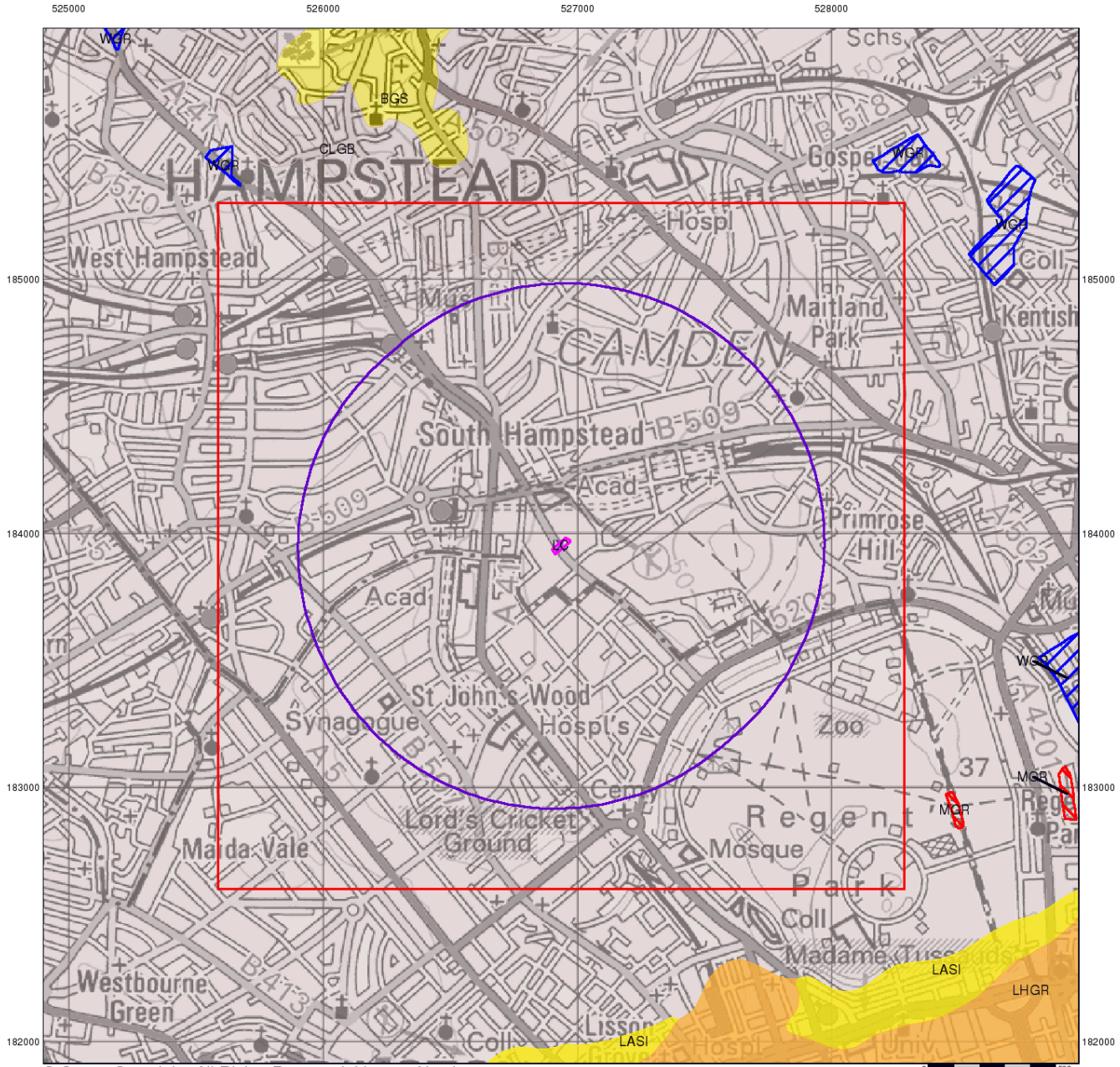


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## Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

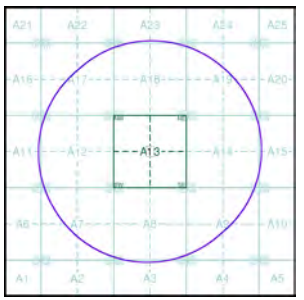
## Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

## Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

## Combined Geology Map - Slice A

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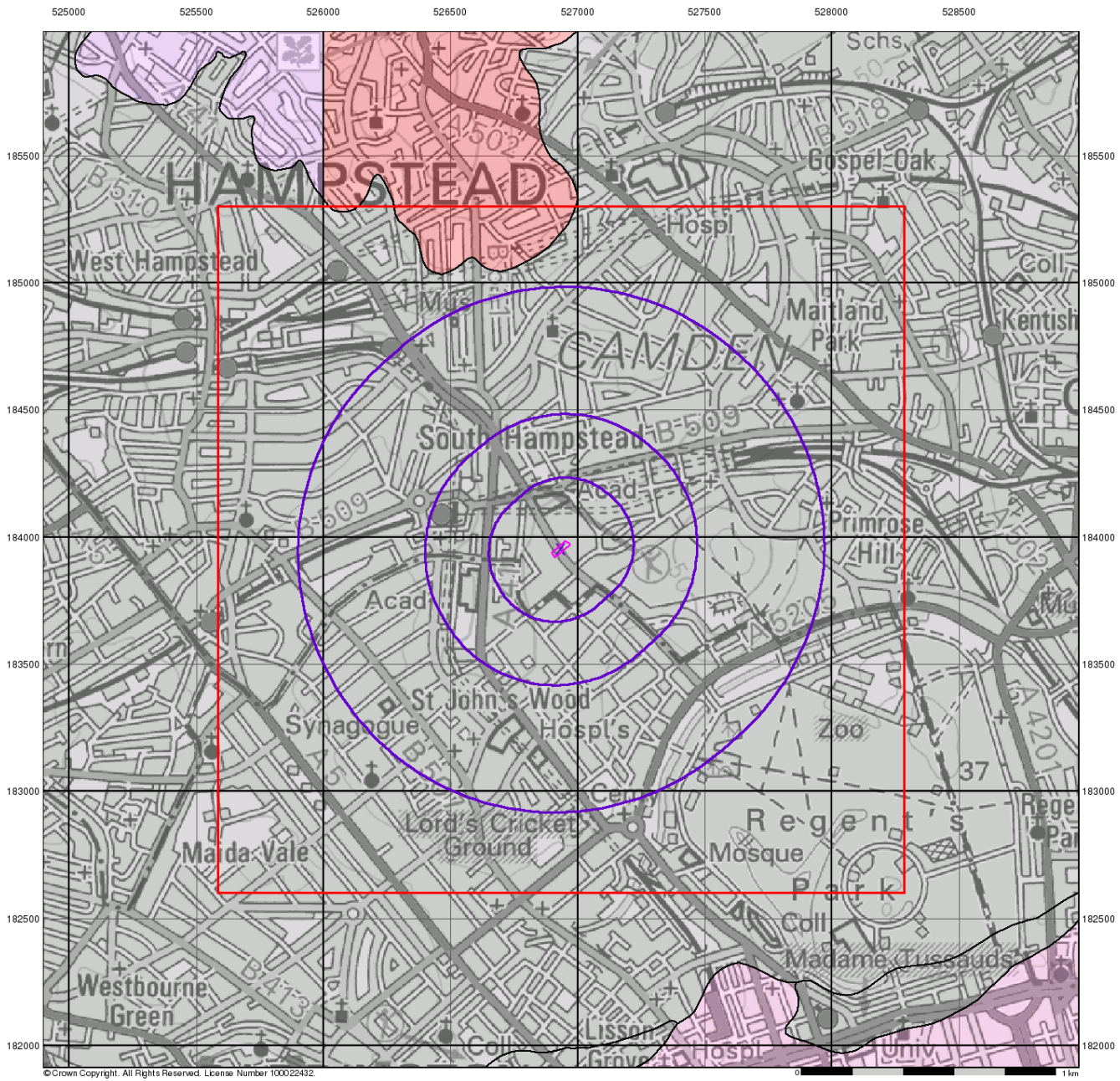



GEA

# Groundwater Vulnerability

## General

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

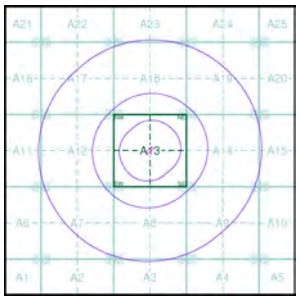
## Agency and Hydrological

| Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |

Unproductive Aquifer

Soluble Rock

## Site Sensitivity Context Map - Slice A

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| Customer Ref: | J24140 |
| National Grid Reference: | 526930, 183950 |
| Slice: | A |
| Site Area (Ha): | 0.18 |
| Search Buffer (m): | 1000 |

## Site Details

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GEA

# Bedrock Aquifer Designation

## General

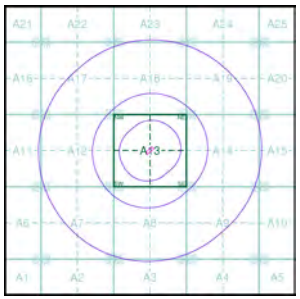
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

## Site Sensitivity Context Map - Slice A




## Order Details

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|---|---|
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| Slice: | A |
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## Site Details

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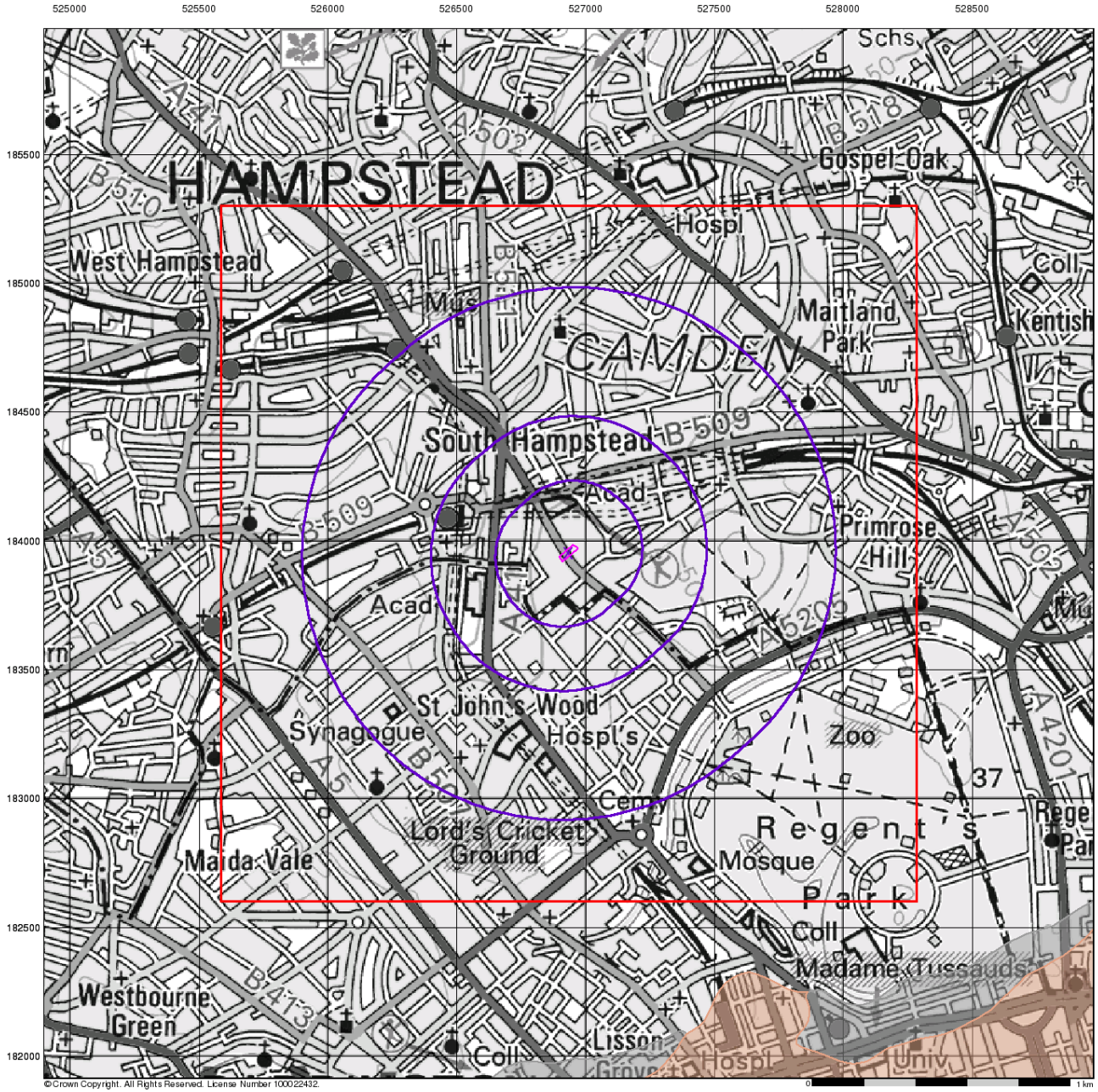



GEA

# Superficial Aquifer Designation

## General

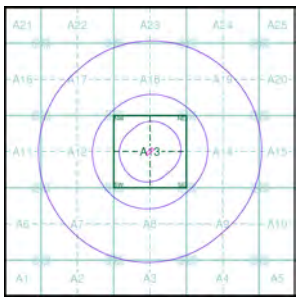
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

## Agency and Hydrological

### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

## Site Sensitivity Context Map - Slice A




## Order Details

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| Order Number: | 349751847_1_1 |
| Customer Ref: | J24140 |
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| Slice: | A |
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| Search Buffer (m): | 1000 |

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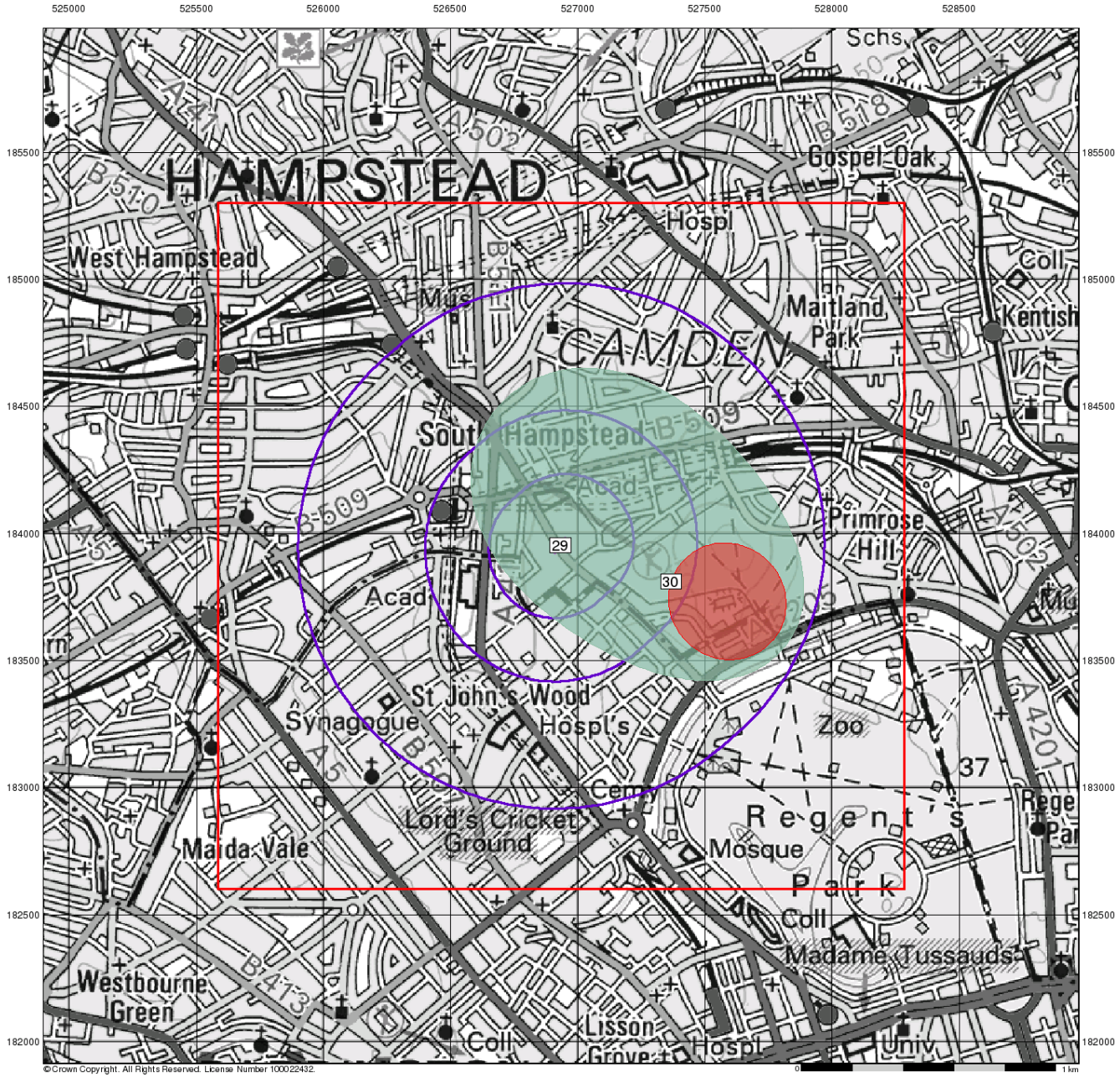
64, Avenue Road, LONDON, NW8 6HT




GEA

# Source Protection Zones

## General

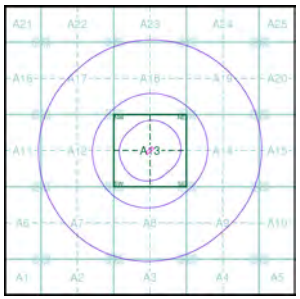
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

## Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

## Site Sensitivity Context Map - Slice A




## Order Details

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| National Grid Reference: | 526930, 183950 |
| Slice: | A |
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## Site Details

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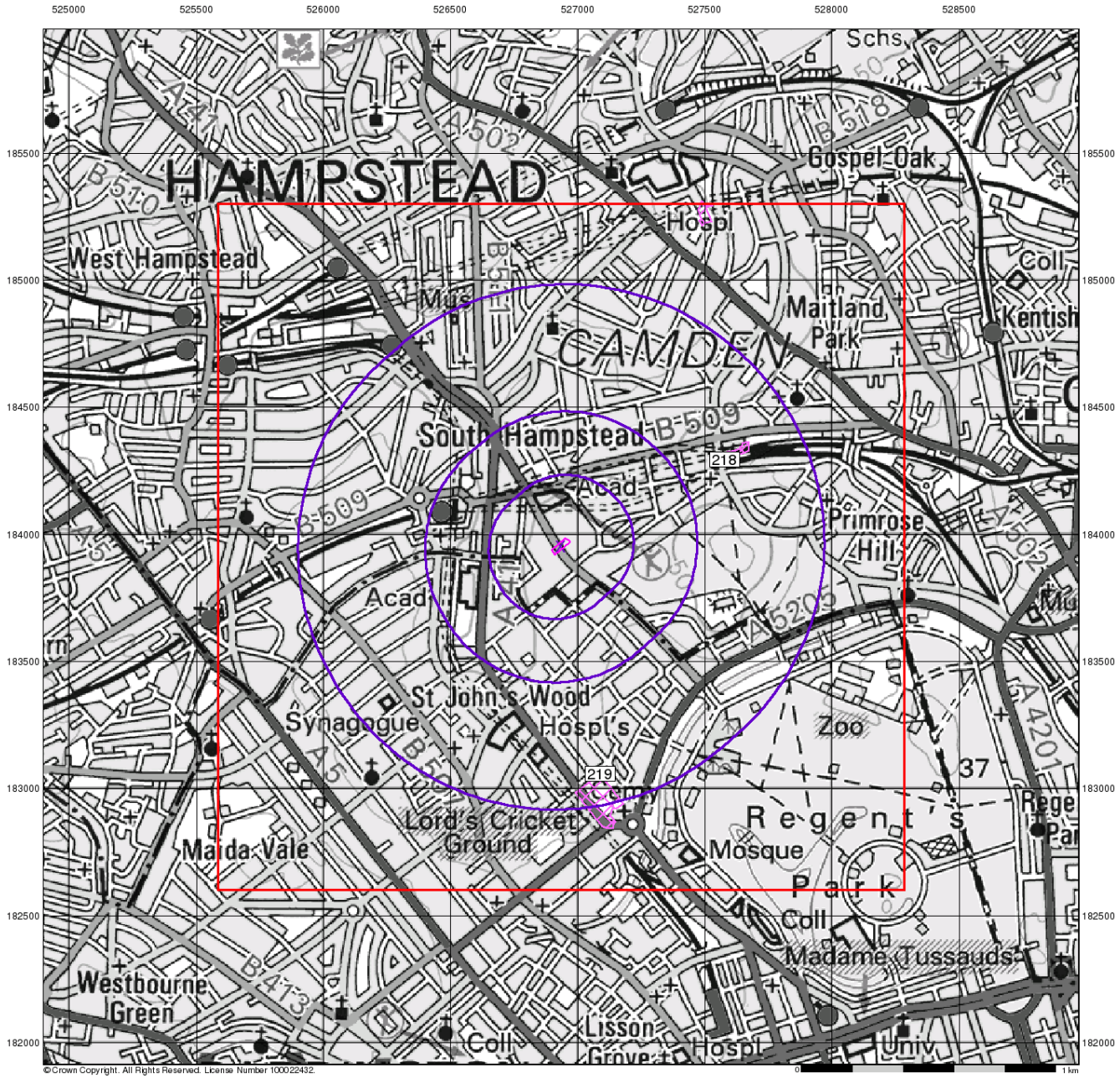
Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk




GEA

## Sensitive Land Uses

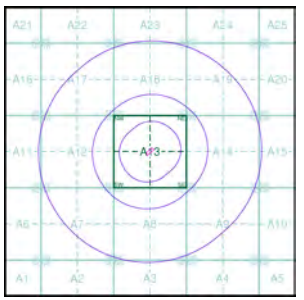
### General

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

### Sensitive Land Uses

- Ancient Woodland
- 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
- World Heritage Sites

### Site Sensitivity Context Map - Slice A




### Order Details

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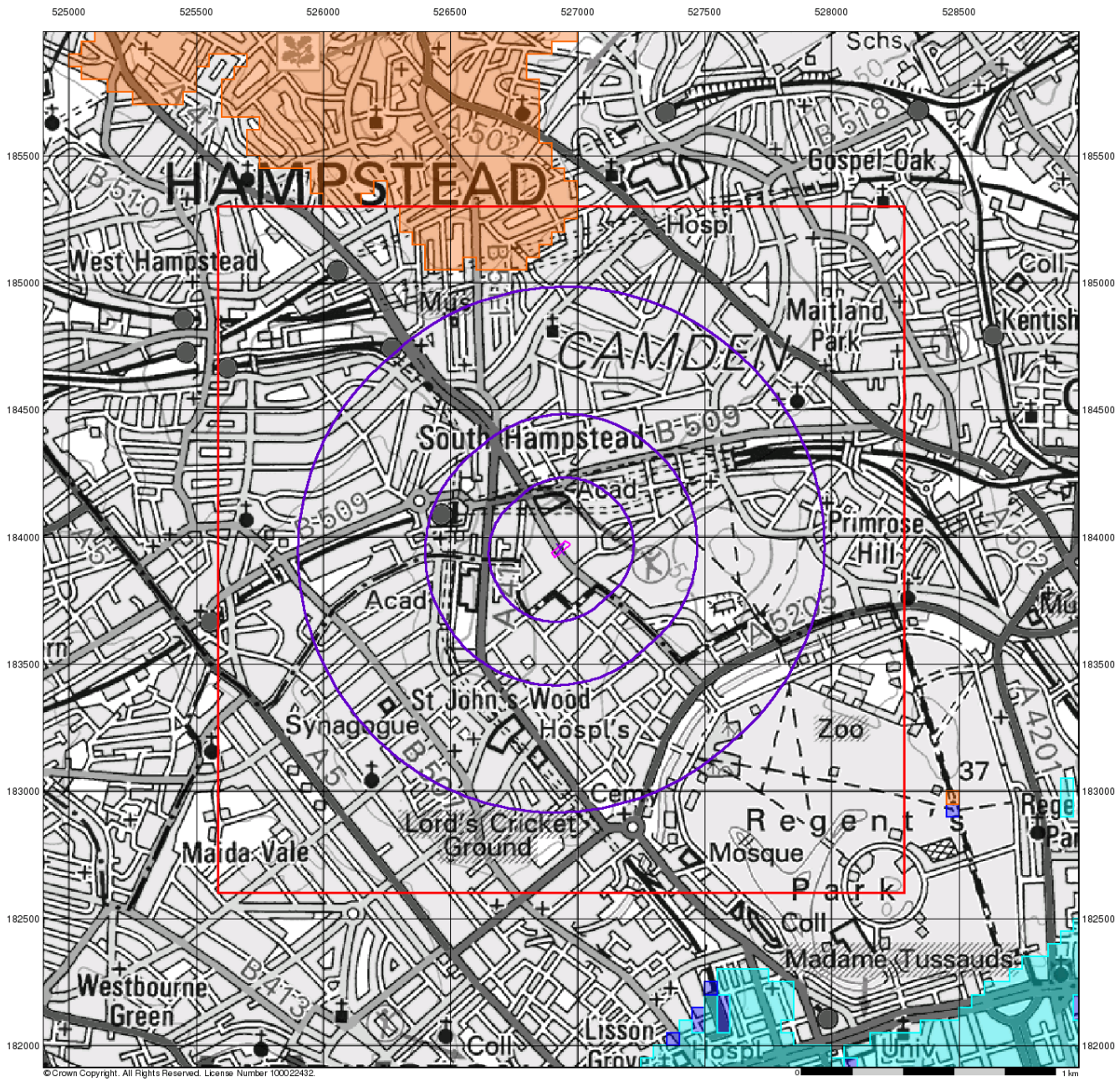



GEA

## BGS Flood GFS Data

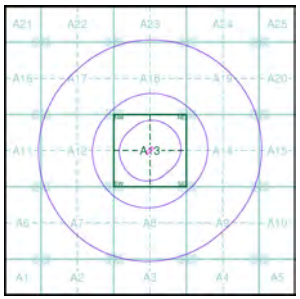
### General

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

### Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

### Site Sensitivity Context Map - Slice A

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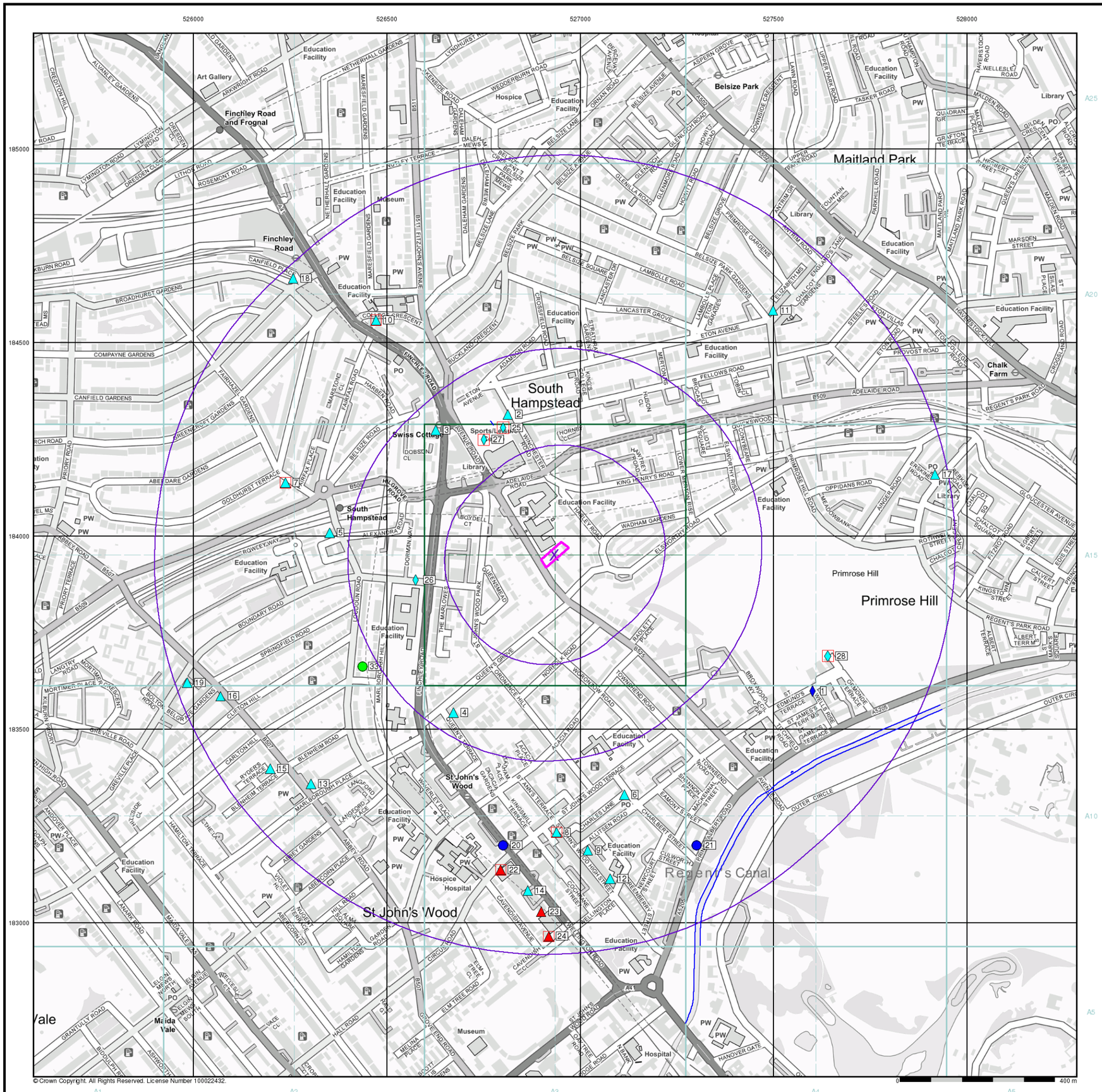
| National Grid Reference: | 526930, 183950 |
| Slice: | A |
| Site Area (Ha): | 0.18 |
| Search Buffer (m): | 1000 |

### Site Details

64, Avenue Road, LONDON, NW8 6HT

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GEA

## 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

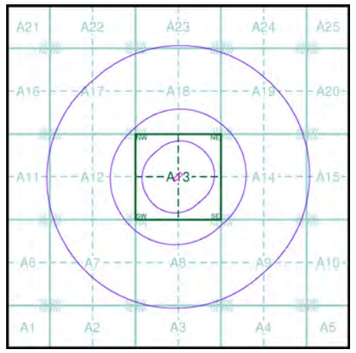
## Hazardous Substances

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

## Geological

- BGS Recorded Mineral Site

## Site Sensitivity Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 349751847_1_1 |
| Customer Ref: | J24140 |
| National Grid Reference: | 526930, 183950 |
| Slice: | A |
| Site Area (Ha): | 0.18 |
| Search Buffer (m): | 1000 |

## Site Details

64, Avenue Road, LONDON, NW8 6HT

Landmark INFORMATION GROUP

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