DESK STUDY & GROUND INVESTIGATION REPORT

40 Ornan Road
London
NW3 4QB

Client: Sue Prevezer

J19259

December 2019




GEA

Document Control

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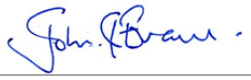		
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This report is intended as a Ground Investigation Report (GIR) as defined in BS EN1997-2, unless specifically noted otherwise. The report is not a Geotechnical Design Report (GDR) as defined in EN1997-2 and recommendations made within this report are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

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Part 3: GROUND MOVEMENT ASSESSMENT

Part 4: BASEMENT IMPACT ASSESSMENT

EXECUTIVE SUMMARY

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

BRIEF

This report describes the findings of a site investigation carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of Michael Barclay Partnership LLP, on behalf of Sue Prevezer, with respect to remodelling of the existing house, including the construction of a single storey extension at the front and the rear and a single storey basement at the front of the house. The purpose of the investigation has been to determine the ground conditions and hydrogeology, to carry out an assessment of ground movements resulting from excavation of the proposed basement, 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, relating to the requirement for a Basement Impact Assessment (BIA).

DESK STUDY FINDINGS

The desk study has indicated that the site does not have a potentially contaminative history as it has apparently only been developed with the existing house. There is, therefore, assessed to be a VERY LOW RISK of contamination at this site.

GROUND CONDITIONS

The investigation has confirmed the expected ground conditions in that, beneath a nominal thickness of made ground, London Clay was encountered and proved to the full depth of the investigation. The made ground comprised dark brown slightly clayey gravelly sand with fragments of concrete and bricks and extended to depths of between 0.30 m (7.50 m TBM) and 1.20 m (6.60 m TBM). The London Clay comprised firm becoming stiff occasionally mottled bluish grey becoming greyish brown silty clay with selenite crystals and selenite crystals to the full depth investigated, of 6.50 m (1.30 m TBM).

Groundwater was not encountered during the fieldwork. Standpipes were installed in Borehole Nos 1 and 2 and have been monitored on a single occasion to date, measuring groundwater at depths of 1.30 m (6.50 m TBM) and 5.45 m (2.35 m TBM), probably reflecting the accumulation of perched water. Additional monitoring should be carried out.

Contamination testing has revealed a single elevated concentration of lead within made ground recovered from the existing rear garden.

RECOMMENDATIONS

Formation level for the proposed basement is likely to be within the firm to stiff clay of the London Clay, which should provide an eminently suitable bearing stratum for spread foundations. Excavations for the proposed basement structure will require temporary support to maintain stability and to prevent any excessive ground movements. Perched water may be encountered but significant groundwater inflows are not anticipated.

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 and an assessment of the ground movements associated with the basement excavation are included in Part 3.

1.0 INTRODUCTION

Geotechnical and Environmental Associates Limited (GEA) has been commissioned by Michael Barclay Partnership LLP, on behalf of Sue Prevezer, to carry out a desk study, ground investigation and ground movement assessment at 40 Ornan Road, London, NW3 4QB.

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

It is understood that it is proposed to construct a single storey extension at the front and the rear and a single-storey basement. The basement levels are proposed to extend to approximately 3.00 m below existing ground floor level.

This report is specific to the proposed development and the advice herein should be reviewed if the 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 associated with Unexploded Ordnance (UXO);
- to determine the ground conditions and their engineering properties;
- to provide advice and information 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;
- commissioning of 1st Line Defence to undertake a preliminary UXO risk assessment;

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

- two boreholes advanced to a depth of 6.50 m using an opendrive percussive sampler (Terrier) rig;
- three boreholes advanced to a depth of 3.50 m using window sampling equipment;
- installation of three groundwater monitoring standpipes, to a maximum depth of 5.00 m, and three monthly monitoring visits;
- testing of selected soil samples for contamination and geotechnical purposes;
- provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

The report includes a contaminated land assessment which has been undertaken in accordance with the methodology presented in Contaminated Land Report (CLR) 11[1] and 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. The risk assessment is thus divided into three stages comprising Preliminary Risk Assessment, Generic Quantitative Risk Assessment, and Site-Specific Risk Assessment.

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.

1.3.1 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 *Model Procedures for the Management of Land Contamination* issued jointly by the Environment Agency and the Department for Environment, Food and Rural Affairs (DEFRA) Sept 2004
2 London Borough of Camden Planning Guidance CPG (March 2018) *Basements*
3 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010

1.3.2 Qualifications

The subterranean (groundwater) flow assessment has been carried out by John Evans, MSc in Hydrogeology, Chartered Geologist (CGeol) and Fellow of the Geological Society of London (FGS). The surface water and flooding assessment has been carried out by Rupert Evans, a hydrologist with more than ten years consultancy experience in flood risk assessment, surface water drainage schemes and hydrology / hydraulic modelling. Rupert Evans is a Chartered Environmentalist, Chartered Water and Environmental Manager and a Member of CIWEM.

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

All assessors meet the qualification requirements of the Council guidance.

1.4 Limitations

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

2.0 THE SITE

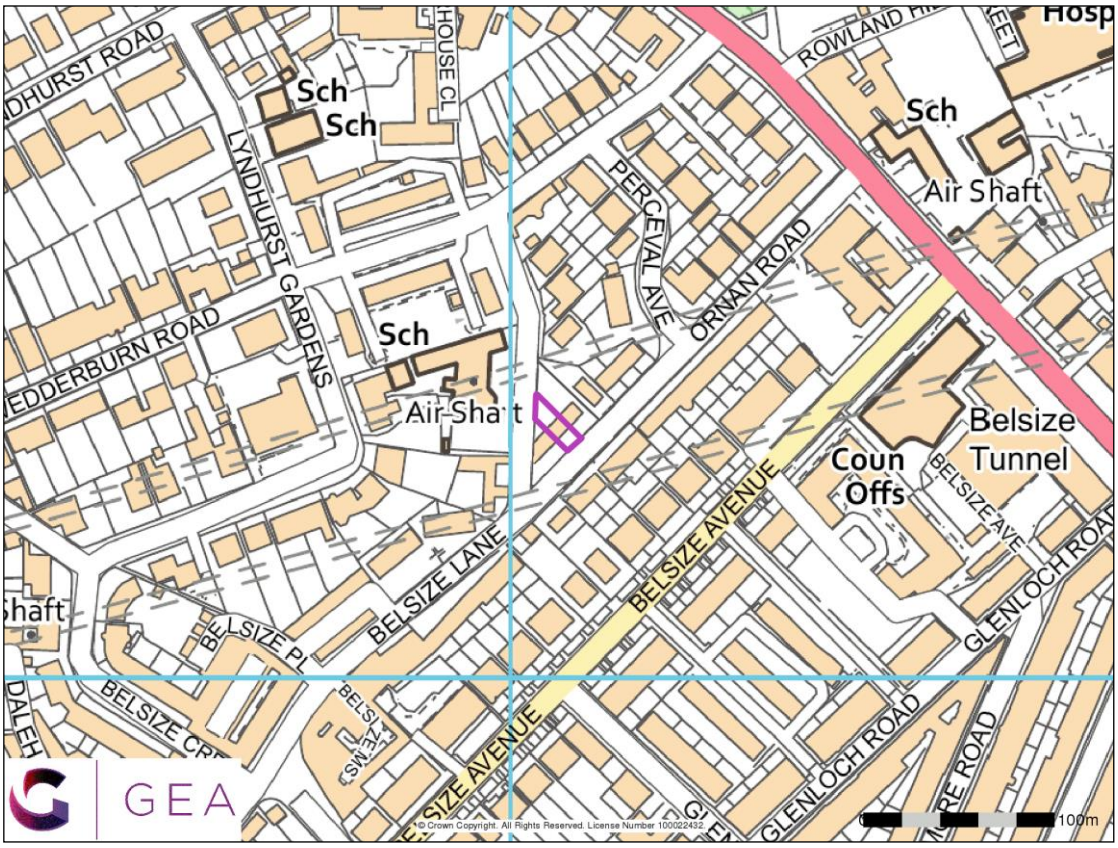
2.1 Site Description

The site is located in the London Borough of Camden, roughly 500 m west of Belsize Park Station. It is rectangular in shape, measuring approximately 30 m northwest to southeast by 10 m north to south and is occupied by a residential dwelling with front and rear gardens.

The site fronts onto Ornan Road to the south and is bordered by Belsize Lane to the north and northwest and with residential structures located to the immediate east and west. The site may additionally be located by National Grid Reference 527041, 185147 and is shown on the map extract overleaf.

It is understood that the house was originally of two storeys, but a third storey was added in 2004. The front area of the house consists a courtyard with a cockspur thorn overhanging the street. The house has two garages, one of which is integrated into the house, with off-street parking and private walled gardens at the front and rear, facing southeast and northwest respectively. The back area of the house slopes towards the south and consists of a garden with stepped paving slabs leading to the second garage.

London Overground tunnels are present approximately 20 m to the north and south of the site. The exact depth of the tunnels is not known, although information obtained from a nearby site suggests that they are in excess of 25 m below ground level and should not therefore be affected by the proposed development. This should, however, be confirmed with Network Rail before the design proposals are finalised.



2.2 Site History

The history of the site and surrounding area has been researched by reference to archive historical maps and Ordnance Survey (OS) maps sourced from the Envirocheck database.

The earliest map studied, dated 1871, shows the site to be undeveloped, covered with fields. The existing road network around the site had been established, although the roads are unnamed.

The next map, dated 1896, shows that the existing row of terraced properties, including a building on the site had been established. The majority of the surrounding area was predominantly residential, much as it is today.

For the following years, until 1969 the site remained unchanged, with more residential buildings added to the surrounding area. By 1970 the property on site appears to be have been demolished.

The existing house was built at some time between 1970 and 1974 and the site and the 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 search has revealed that there are no landfills, waste management, transfer, treatment or disposal sites within 1 km of the site. There have been no pollution incidents to controlled waters within 250 m of the site.

There are no areas of infilled land recorded within 100 m of the site and no contemporary trade industries within 100 m of the site, or any points of interest and fuel stations.

The search has indicated that the site is located in an area where less than 1% of homes are affected by radon emissions; which is the lowest classification given by the Health Protection Agency (HPA) and therefore no radon protective measures will be necessary.

The site is not located within a nitrate vulnerable zone or any other sensitive land use.

2.4 Geology

The British Geological Survey (BGS) map of the area (Sheet 256) indicates the site is directly underlain by the London Clay. It is however, also in an area of head propensity such that head deposits may also be present over 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.

GEA previously undertook an assessment for a property off Lyndhurst Gardens, approximately 50 m to the west of the site, and information provided as part of this project from a previous investigation, confirmed the expected ground conditions, in that, beneath a variable, but generally nominal, thickness of made ground, London Clay was encountered and proved to the full depth of the investigation of 15.0 m.

A review of deep borehole records held on the British Geological Society (BGS) database, the closest of which is located 400 m to the east of the site, indicates that the London Clay is likely to extend to a depth of approximately 70 m beneath the site, below which the Lambeth Group, Thanet Sand and Upper Chalk were found to be present.

2.5 Hydrology and Hydrogeology

The London Clay is classified by the Environment Agency (EA) as an Unproductive Stratum, referring to rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The London Clay is not capable of supporting a groundwater table, although isolated pockets of perched groundwater do occur within fissures and silt and sand partings. Published data for the permeability of the London Clay indicates the horizontal permeability to generally range between 1×10^{-11} m/s and 1×10^{-9} m/s, with an even lower vertical permeability.

According to BGS, the site is in an area of head propensity and therefore head deposits may be present, which are likely to be of higher permeability and to contain layers of coarser grained soils that could hold water but are unlikely to contain continuous layers capable of transmitting groundwater due to the clay dominated matrix.

The investigation reviewed as part of the GEA assessment for the aforementioned site above, did not encounter any groundwater.

The site is not indicated as being at risk from flooding, nor is it located within a Groundwater Source Protection Zone as defined by the Environment Agency. It is not listed within the London Borough of Camden report[4] as having suffered from surface water flooding in the 1975 or 2002 flooding events and is not shown on Figure 15 of the Arup report[5], or the EA surface water flood maps, as being in an area with a potential risk from surface water flooding.

Figure 11 of the Arup report and reference to Map 14 of the Lost Rivers of London[6] indicates that a tributary of the River Tyburn, rose approximately 125 m to the east of the site, before flowing in a southerly direction towards Regent's Park. The nearest surface water feature is the Hampstead No 1 Pond, 800 m to the northeast of the site.

The existing back garden is almost entirely covered by grass and as such, infiltration of rainwater is largely unimpeded. However, the underlying clay will limit further infiltration, therefore resulting in a high proportion of runoff in this area. The front of the property is largely covered by tarmac hardstanding, such that infiltration of rainwater is therefore generally restricted to surface water drains, such that the majority of surface runoff currently drains into combined sewers in the road.

As the development does not result in a change to the present conditions, for example through the loss of any soft covered areas, there will not be an 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 surface water related mitigation measures.

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 research has indicated that the site has had a residential end use for its entire developed history and is therefore not considered to have had a contaminative history.

There are no historical or existing landfill sites within 500 m of the site and therefore there is not a risk to the site from migrating landfill gas.

2.6.2 Receptor

The occupants of the house will represent 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 contact with any contaminants present during construction works.

Perched water may be present in the made ground or head deposits, particularly in the vicinity of existing foundations, although such pockets of water are likely to be localised and unlikely to form part of a general water table.

4 London Borough of Camden (2003) *Floods in Camden, Report of the Floods Scrutiny Panel*
5 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010
6 Nicholas Barton and Stephen Myers (2016) *London's Lost Rivers. Revised Edition.* Historical Publications Ltd

2.6.3 Pathway

Within the site, end users will be isolated from direct contact with any contaminants present within the made ground by the building and surrounding hard surfacing, thus no potential contaminant exposure pathways will exist with respect to end users. Only in areas of proposed soft landscaping will end users potentially come into contact with contaminants, although such pathways are already in existence.

There will be a potential for contaminants to move onto or off the site horizontally within the made ground, although these pathways are already in existence. A pathway for ground workers to come into contact with any contamination will exist during construction work and services will come into contact with any contamination within the soils in which they are laid.

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 VERY 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.

2.7 UXO Risk Assessment

A Preliminary UXO Risk Assessment has been completed by 1st Line Defence (report ref EP9743-00, dated September 2019), and a copy of the report is included in the appendix.

The risk assessment has been carried out in accordance with the guidelines provided by CIRIA[7], 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.

During World War II (WWII) the site was located within the Metropolitan Borough of Hampstead which sustained a high bombing density according to official statistics. London Bomb Census mapping indicates no bombs landed on the site directly, although a high explosive bomb impacted to the immediate west and an incendiary shower was recorded over the area. The two buildings on site were labelled as having ‘blast damage, minor in nature’. Further research is required in order to determine the risk posed by unexploded ordnance. In lieu of further research, UXO risk mitigation measures including magnetometer scanning should be carried out for all intrusive works.

7 CIRIA C681 (2009) Unexploded *ordnance (UXO) A guide for the construction industry*

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 40 Ornan Road
1a. Is the site located directly above an aquifer?	No. The site is directly underlain by the London Clay, which is classified as an Unproductive stratum.
1b. Will the proposed basement extend beneath the water table surface?	No. The London Clay is classified as an unproductive stratum and cannot support a water table. However, if an upper weathered layer or head deposits are present, this may have a higher permeability and could have the potential to collect groundwater if the stratum has a predominantly granular matrix, which is unlikely in this setting.
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	No. A tributary of the River Tyburn previously flowed about 125 m to the east of the site. The Envirocheck report and Figure 11 of the Arup report confirm this.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. The proposed basement will extend beneath the existing building and will not therefore result in a significant change in the proportion of hard surfaced / paved areas.
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. It is not considered feasible that the ground would be sufficiently permeable to allow for a soakaway discharge design, nor do the details of the proposed development 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?	No.

The above assessment has identified no potential issues that need to be assessed.

3.1.2 Stability Screening Assessment

Question	Response for 40 Ornan Road
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No. The site is detached with low vertical retaining walls. However, the overall slope angle of the site is less than 7°.
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.

Question	Response for 40 Ornan Road
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?	No. The proposed basement is not within any tree protection zone.
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. A tributary of the River Tyburn previously flowed about 125 m to the east of the site. The Envirocheck report and Figure 11 of the Arup report confirm this.
9. Is the site within an area of previously worked ground?	No. Not according to Figure 3 of the Arup report.
10a. Is the site within an aquifer?	No. The site is located above an unproductive stratum.
10b. Will the proposed basement extend beneath the water table such that dewatering may be required during construction?	No. The London Clay is classified as an unproductive stratum and cannot support a water table.
11. Is the site within 50 m of Hampstead Heath ponds?	No. Figure 14 of the Arup report confirms that the site is not located within this catchment area.
12. Is the site within 5 m of a highway or pedestrian right of way?	No. Whilst the site fronts onto Ornan Road, the proposed basement extension is set back at a distance greater than 5 m from the front of the site.
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	*Yes. It is likely that the development will increase the foundation depths relative to the neighbouring properties to a relatively significant extent.*
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	No. Whilst London Overground tunnels are present 20 m to the north and south, the area of the proposed development is not understood to be located in an exclusion zone and is unlikely to have any adverse impact on these assets.

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

Q5 The London Clay is the shallowest stratum at the site.
Q7 The site is in an area likely to be affected by seasonal shrink-swell.
Q13 The development may increase the foundation depths relative to the neighbouring properties to a relatively significant extent.

3.1.3 Surface Flow and Flooding Screening Assessment

Question	Response for 40 Ornan 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. There will not be an increase in impermeable area across the site, so the surface water flow regime will be unchanged. The basement will entirely be beneath the footprint of the building, and the 1m distance between the roof of the basement and ground surface as recommended by section 3.2 of the CPG Basements 2018 does not apply.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. There will not be a change in impermeable area across the ground surface above the basement.
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	No. There will not be an increase in impermeable area across the site, so the surface water flow regime will be unchanged. The basement will entirely be beneath the footprint of the

Question	Response for 40 Ornan Road
properties or downstream watercourses?	building, and the 1m distance between the roof of the basement and ground surface as recommended by section 3.2 of the CPG Basements 2018 does not apply.
5. Will the proposed basement result in changes to the quality of surface water being received by adjacent properties or downstream watercourses?	No. The proposed basement is very unlikely to result in any changes to the quality of surface water being received by adjacent properties or downstream watercourses as the surface water drainage regime will be unchanged and the land uses will remain the same.
6. Is the site in an area identified to have surface water flood risk according to either the Local Flood Risk Management Strategy or the Strategic Flood Risk Assessment or is it at risk of flooding, for example because the proposed basement is below the static water level of nearby surface water feature?	*Yes. The findings of this BIA together with the Camden Flood Risk Management Strategy dated 2013 and Figures 3v, 4e, 5a and 5b of the SFRA dated 2014, in addition to the Environment Agency online flood maps show that the site has a very low to low flooding risk from surface water. The flood depth during low risk events would be up to 0.30 m and 0.90 m around the building. There is a very low risk from sewers, and reservoirs (and other artificial sources), and fluvial / tidal watercourses. It is possible that the basement will be constructed within perched groundwater and the recommendations outlined in the BIA with regards to water-proofing and tanking of the basement will reduce the risk to acceptable levels. In accordance with paragraph 6.16 of the CPG a positive pumped device and non-return valve will be installed in the basement in order to further protect the site from sewer flooding.*

The above assessment has identified a single potential issue that need to be assessed:

Q6 The site has a very low to low flooding risk from surface water

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, in terraced properties, the implications of a deepened basement/foundation system on neighbouring properties should be considered.
The development will increase the differential founding depth	Should the design of retaining walls and foundations not take into account the configuration and bearing stratum of adjacent foundations, it may lead to the structural damage of associated structures.
The site has a very low to low flooding risk from surface water	It is possible that the basement will be constructed within perched groundwater

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

4.2 Exploratory Work

The scope of the investigation was limited by the presence of the exiting house. In order to meet the objectives described in Section 1.2, as far as possible within the access restrictions, two boreholes were advanced to a depth of 6.50 m using an open drive percussive Terrier rig. Additionally, three boreholes were advanced using a drive-in window sampler, to a depth of 3.50 m.

During boring, 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.

Groundwater monitoring standpipes were installed into three of the boreholes, to depths of 3.00 m and 5.00 m and have subsequently been monitored on a single occasion to date, approximately two weeks after installation. Two more monthly visits are scheduled.

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

All of the above work was carried out under the supervision of a geotechnical engineer from GEA.

The borehole records are appended, together with the results of the laboratory testing and a site plan indicating the borehole locations. The levels shown on the borehole records have been interpolated from spot heights on a Topographical Survey (Pre Application Advice, dated June 2019, provided by the architects), which were measured relative to a Temporary Benchmark (TBM).

4.3 Sampling Strategy

The boreholes and trial pits were positioned on site by an engineer from GEA in accessible areas, with due regard to the proposed development and the locations of known buried services.

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

5.1 Made Ground

The made ground comprised dark brown slightly clayey gravelly sand with fragments of concrete and bricks and extended to depths of between 0.30 m (7.50 m TBM) and 1.20 m (6.60 m TBM).

No evidence of significant contamination was identified during the fieldwork. As a precaution, three samples of the made ground have been tested for the presence of contamination and the results are presented in Section 6.4.

5.2 London Clay

The London Clay comprised firm becoming stiff occasionally mottled bluish grey becoming greyish brown silty clay with selenite crystals to the full depth investigated, of 6.50 m (1.30 m TBM).

Laboratory plasticity index tests indicate this layer to be of high-volume change potential.

5.3 Groundwater

Groundwater was not encountered during the fieldwork.

The standpipes installed in Borehole Nos 1, 2 and 5 have been monitored on two occasions since installation, the results of which are shown in the table below.

Date	Borehole No	Depth to water (m) below existing garden level (m TBM)
15/10/2019	1	1.30 (6.50)
	2	5.45 (2.35)
	5	2.50 (5.97)

As groundwater was not encountered within the London Clay during drilling, the monitored water levels are considered likely to be a result of drainage from perched water within the overlying made ground collected into the standpipes. The variation in monitored water levels is not indicative of a continuous groundwater table within the London Clay beneath the site which is consistent with cohesive strata. This will however be reviewed on completion of the monitoring programme.

5.4 Soil Contamination

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

Determinant	BH1 – 0.50 m	BH2 – 0.50 m	WS4 – 0.50 m	WS5 – 0.50 m
Asbestos	Not detected	Not detected	Not detected	Not detected

Determinant	BH1 – 0.50 m	BH2 – 0.50 m	WS4 – 0.50 m	WS5 – 0.50 m
pH	8.1	7.9	8.0	8.0
Arsenic	23	11	28	25
Cadmium	<0.2	<0.2	<0.2	<0.2
Chromium	**28**	**28**	**38**	**42**
Copper	37	32	80	89
Mercury	1.7	1.2	<0.3	<0.3
Nickel	17	19	23	24
Lead	**300**	**200**	**1400**	**320**
Selenium	<1.0	<1.0	<1.0	<1.0
Zinc	110	140	380	160
Total Cyanide	<1.0	<1.0	<1.0	<1.0
Total Phenols	<1.0	<1.0	<1.0	<1.0
Sulphide	2.4	2.7	2.5	2.7
Total TPH	25	32	100	55
Naphthalene	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	0.35	0.25	2.0	0.47
Total PAH	3.60	3.88	25.0	6.47
Total organic carbon %	1.1	1.3	1.9	1.3

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

The results of the contamination testing have revealed elevated concentrations of lead and chromium within all the samples of made ground tested. All other contaminants were found to be below their respective generic guideline value.

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. To this end the table below indicates those contaminants of concern that have values in excess of a generic human health risk based guideline values which are either that of the CLEA[8] Soil Guideline Value where available, the Defra C4SLs or are a Generic Guideline Value calculated using the CLEA UK Version 1.07 software. For this development, the soil concentrations measured have been compared with values generated by the software assuming a residential end use with plant uptake to determine the relative sensitivity to the end use. The key generic assumptions for the proposed end use are as follows:

- that groundwater will not be a critical risk receptor;
- that the critical receptor for human health will be a young female aged 0 to 6 years old;

8 *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.

- that the exposure duration will be six years;
- that the building type equates to a terraced house; and
- that the critical exposure pathways will be direct soil and indoor dust ingestion, consumption of homegrown produce, consumption of soil adhering to home grown produce, skin contact with soils and dust, and inhalation of dust and vapours.

It is considered that these assumptions are acceptable for this generic assessment of this site, with the exception of the groundwater risk, which will be discussed in Part 2. 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. 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 revealed elevated concentrations of lead and chromium within all the samples of made ground tested. The rest of the contaminants were found to be below their respective generic guideline value and of generally low concentrations.

This assessment is based upon the potential for risk to human health, which at this site is considered to be the critical risk receptor.

The results are discussed in detail in Section 2 of this report.

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 foundation options and contamination issues.

6.0 INTRODUCTION

It is understood that it is proposed to undertake a number of alterations including the construction of a single storey extension at the front and the rear. The proposals also include the excavation of a single storey basement at the front of the house. The basement levels are proposed to extend to approximately 3.00 m (4.80 m TBM) below existing ground floor level.

Anticipated line loads for the proposed basement walls are understood to be in the region of 25 kN/m to 65 kN/m, which will be applied to a basement raft following completion of the basement construction.

7.0 GROUND MODEL

The desk study research has indicated that the site has not had a potentially contaminative history, having had a residential use for its entire developed history. On the basis of the fieldwork, the ground conditions at this site can be characterised as follows:

- below a nominal thickness of made ground, London Clay is present to the full depth of the investigation;
- the made ground comprises dark brown slightly clayey gravelly sand with fragments of concrete and brick and extended to depths of between 0.30 m (7.50 m TBM) and 1.20 m (6.60 m TBM);
- the London Clay comprises firm becoming stiff occasionally mottled bluish grey becoming greyish brown silty clay with selenite crystals and selenite crystals to the full depth investigated, of 6.50 m (1.30 m TBM);
- groundwater was not encountered during the field work but subsequent monitoring measured groundwater at depths of between 1.30 m (6.50 m TBM) and 5.45 m (2.35 m TBM) and two subsequent monitoring visits are scheduled;
- the measured groundwater is considered to represent the presence of perched water within the made ground and not a general groundwater table; and
- the contamination testing has measured elevated concentration of lead and chromium within all the samples of made ground tested.

8.0 ADVICE AND RECOMMENDATIONS

Excavations for the proposed basement structure will require temporary support to maintain stability and to prevent any excessive ground movements. It should be feasible to construct the basement without the requirement for groundwater protection measures, although provision will need to be made to control perched water inflows from the base of the made ground.

Formation level for the proposed development is likely to be within London Clay, which should provide an eminently suitable bearing stratum for spread foundations excavated from basement level.

8.1 Basement Excavation

8.1.1 Basement Construction

It is understood that the proposed basement will extend to a depth of approximately 3.00 m (4.80 m TBM) below existing ground level, such that formation level is likely to be within the firm to stiff London Clay.

The investigation has indicated that groundwater is unlikely to be encountered within the London Clay. However, shallow inflows of perched water should be anticipated from within the made ground, particularly in the vicinity of existing structures and following periods of heavy rainfall. 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.

There are a number of methods by which the sides of the basement excavation could be supported in the temporary and permanent conditions. The choice of wall will be governed, to a large extent, by whether it is to be incorporated into the permanent works and have a load bearing function. The final choice will depend on a number of factors, including the need to protect nearby structures from movements, the required overall stiffness of the support system and the potential need to control groundwater movement through the wall in the temporary condition. In this respect the stability of the adjacent buildings will be paramount.

It is understood that the preferred method of retaining wall construction is through traditional mass concrete underpinning of the existing walls, which will have the benefit of minimising the plant required and maximising usable space in the new basement construction.

Whilst the proposed construction is set back from the site boundaries and the foundations of the adjoining structures, careful workmanship will still be required to ensure that movement of the surrounding structures does not arise. The contractor should also be required to provide details of how they intend to control groundwater and instability of excavations, should it arise.

The ground movements associated with the basement excavation will depend on the method of excavation and support and the overall stiffness of the basement structure in the temporary condition. Thus, a suitable amount of propping will be required to provide the necessary rigidity. In this respect the timing of the provision of support to the wall will have an important effect on movements. The stability of the adjacent foundations will need to be ensured at all times and the existing foundations will need to be underpinned prior to construction of the proposed new basements or will need to be supported by new retaining walls. A Ground Movement Analysis has been carried out in accordance with the requirements of CPG and is presented in Part 3 below.

8.1.2 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 (Φ' – degrees)
Made Ground	1700	Zero	27
London Clay	1950	Zero	24

Significant inflows of groundwater are unlikely to be encountered within the basement excavation, although monitoring of the standpipes should be continued to confirm this.

Consideration should, however, be given to the risk of surface water building up behind the retaining walls and unless adequate drainage can be incorporated to prevent such build-up, it is recommended that the basement is designed with a water level assumed to be 1.0 m below ground level.

Reference should be made to BS8102:2009[9] regarding requirements for waterproofing.

8.1.3 Basement Heave

The approximately 3.0 m (4.80 m TBM) deep excavations to form the proposed basements will result in a net unloading of up to approximately 50 kN/m^2.

This unloading will result in elastic heave and long term swelling of the underlying clay soils, although these movements will to a certain extent be counteracted by the applied loads from the proposed development.

Further consideration is given to heave movements in Part 3.0 of this report.

8.2 Shallow Foundations

It is understood that it is proposed to utilise a basement raft foundation, which provided that the loads can be relatively uniformly distributed, should a suitable solution as the total loads of the proposed development are understood to be close to the degree of unloading, such that the net bearing pressure change is likely to be very small.

Alternately, spread foundations, including underpinned foundations, bearing beneath basement formation level in the firm to stiff silty clay of the London Clay may be designed to apply a net allowable bearing pressure of 150 kN/m^2 at a depth of 3.00 m (4.80 m TBM). This value incorporates an adequate factor of safety against bearing capacity failure and should ensure that settlement remains within normal tolerable limits.

The depth of the basement excavation is expected to be such that foundations will be placed below the depth of actual or potential desiccation, but this should be checked once the proposals have been finalised, with the survey drawing showing former and existing trees. Notwithstanding NHBC guidelines, all foundations should extend beyond the zone of desiccation. In this respect, it would be prudent to have all foundation excavations inspected by a suitably experienced engineer. Due allowance should be made for future growth of existing / proposed trees. The requirement for compressible material alongside foundations should be determined by reference to the NHBC guidelines.

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

8.3 Basement Floor Slabs

Following the excavation of the single level basement, it is likely that the floor slab for the proposed basement will need to be suspended over a void or layer of compressible material to accommodate the anticipated heave unless the slab can be suitably reinforced to cope with these movements.

8.4 Shallow Excavations

On the basis of the borehole findings it is considered that shallow excavations for foundations and services that extend through the made ground should remain generally stable in the short term, although some instability may occur. 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.

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

8.5 Effect of Sulphates

Chemical analyses carried out on selected samples for water soluble sulphate have been compared with of Table C2 of BRE Special Digest 1: SD1 Third Edition (2005) in order to determine the sulphate class and are summarised in the table below. The assessment has been based on static groundwater conditions and the guidelines contained in the above digest should be followed in the design of foundation concrete.

Stratum	No of samples	pH	SO_4 (mg/l)	Design Sulphate Class	ACEC Class
Made Ground	4	7.9 to 8.1	30 to 120	DS-1	AC-1s

8.6 Site Specific Risk Assessment

The desk study has indicated that the site has not had a contaminative history, having had a residential use throughout its developed history, in an area dominated by residential streets. However, the results of the contamination testing have identified elevated concentrations of lead and chromium within all of the samples of made ground tested, taken from the existing front and rear garden.

The exact source of the contamination is unknown. However, the made ground was noted as containing variable amounts of extraneous material, including ash, and it is therefore likely that a fragment of such material was present within the samples tested, accounting for the elevated concentration. Information on Urban Soil Chemistry provided from the BGS also indicates that background concentrations in the vicinity of the site are 617.70 mg/kg and 55.10 mg/kg for lead and chromium respectively, such that a significant proportion of the measured concentrations could be the result of residual airborne sources.

Lead compounds are relatively immobile and 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, classified as Unproductive Strata, a risk to groundwater has not been identified.

8.6.1 End Users

End users will be effectively isolated from any potential contamination within the extent of the existing and proposed structures, 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[10]. 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.

8.6.2 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.

8.6.3 Protection of Buried Services

It is unlikely that services are at risk from the contamination noted in the made ground. However, details of any proposed protection measures for buried plastic services will in any case need to be approved by the EHO and the relevant service authority prior to the adoption of any scheme.

8.7 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 £91.35 per tonne (about £219 per m^3) or at the lower rate of £2.90 per tonne (roughly £6.95 per m^3). However, the

10 BRE (2004) Cover *systems for land regeneration. Thickness of cover systems for contaminated land.* BRE pub 465
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

classifications for tax purposes and disposal purposes differ and currently all made ground and topsoil is taxable at the 'standard' rate and only naturally occurring soil and stones, which are accurately described as such in terms of the 2011 Order, would qualify for the 'lower rate' of landfill tax.

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

Soil Type	Waste Classification (Waste Code)	WAC Testing Required Prior to Landfill Disposal?	Current applicable rate of Landfill Tax
Made ground	Non-hazardous (17 05 04)	No	£91.35/tonne (Standard rate)
London Clay	Inert (17 05 04)	No	£2.90 / 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 onsite prior to excavation by sufficiently characterising the soils insitu prior to excavation.

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

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

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.

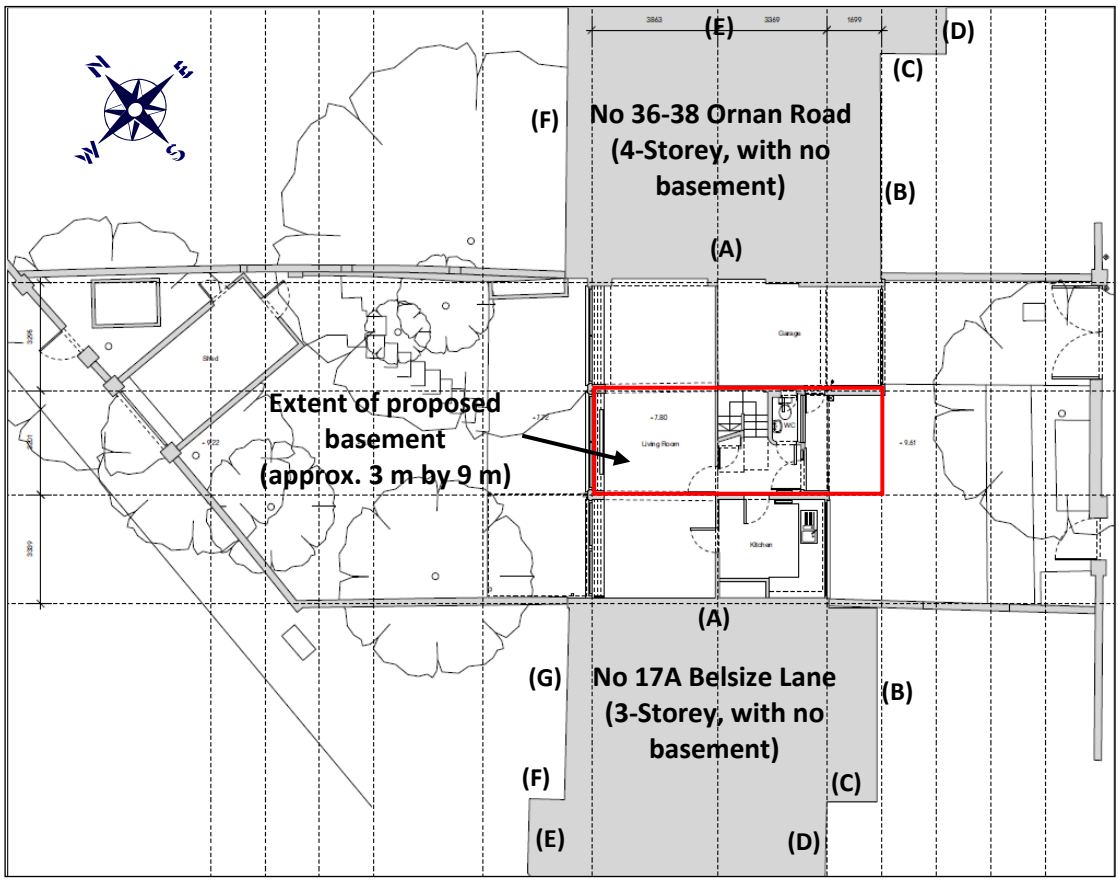
9.0 INTRODUCTION

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 during underpinning 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.

9.1 Basis of Ground Movement Assessment

A plan showing the nearby sensitive structures is shown below.



Sensitive structures relevant to this assessment include Nos 38-38 Ornan Road and No 17A Belsize Lane, to the northeast and southwest respectively.

The nature of the foundations of the adjoining structures is not known and a cautious approach has therefore been adopted with the assumption that the buildings are supported on relatively shallow spread foundations at a depth of 1.00 m (4.80 m TBM).

9.2 Construction Sequence

Consideration is being given to the redevelopment of the existing building to include a single level basement and it is understood that it is currently intended that the retaining walls will be constructed by means of traditional underpinning.

The following sequence of operations has been derived to enable analysis of the ground movements around the basement, both during and after construction, and is based on the proposed plans and sections provided by the consulting engineer, copies of which are included in the appendix.

Essentially the sequence may be considered as two groups of activities, the first comprising the short-term temporary works, whilst the second represents the construction of the permanent works.

In general, the sequence of works for excavation and construction, will comprise the following stages;

1. install concrete retaining walls to form section of new basement walls;

2. excavate ground to basement level with props installed mid height;

3. construct basement floor raft slab to connect with the underpinned foundations; and

4. construct ground floor slab to complete the basement ‘box’ and remove temporary propping.

The detail of the support provided to adjacent walls is beyond the scope of this report and the structural engineer will be best placed to agree the methodology with the chosen contractor(s) once appointed.

10.0 GROUND MOVEMENTS

The assessment of ground movements within the basement and associated with the excavation and raft mobilisation has been undertaken using the P-Disp (Version 20.0 – Build 12) package licensed from the OASYS suite of geotechnical modelling software from Arup. The X-Disp (Version 20.1 – Build 4) modelling software has been used to predict ground movements surrounding the basement that are likely to arise from the installation of the underpins and subsequent excavation of the proposed basement. The ground movements include settlement of the ground (vertical) and lateral movement of the soil (horizontal) behind the proposed retaining walls.

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 x-direction parallel with the site boundaries, whilst the y-direction is parallel with Ornan Road. Vertical movement is in the z-direction.

The full outputs of all the analyses are included within the appendix.

10.1 Ground Movements – Surrounding the Basement

10.1.1 Model Used

For the X-Disp analysis, the installation curves for the panel-like planar diaphragm wall have been adopted as most appropriate for construction of the proposed underpinning.

The excavation phase has not, however, been modelled in this part of the assessment, as following dry-packing, the underpins will subject to vertical loading from the structure above, which will also act as additional support at ground level, and will be fully propped on exposure, until the basement raft and ground floor slabs are cast, such that potential deflections during the excavation phase are considered to be negligible.

The potential movements resulting from bulk excavation are more appropriately estimated in terms of the stress relief that will occur due to the removal of soil and transfer of existing / proposed loads to the underpins and proposed raft foundation and in this respect, the behaviour of the underpins under vertical loading and when connected to the basement raft, is considered in Section 10.2 below.

10.1.2 Results

The predicted movements are summarised in the table below; the results are presented below and in subsequent tables to the degree of accuracy required 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	Maximum Wall Movement (mm)	
	Vertical Settlement	Horizontal Movement
Underpin Installation	1.50	1.50

The analysis has predicted that the maximum vertical and horizontal displacement that will result from the installation of the piled retaining wall is around 1.50 mm.

10.2 Ground Movements – Resulting from Excavation

10.2.1 Model Used

Unloading of the underlying soils, particularly the clay soils 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 and we have used a well-established method to provide our estimates. This relates values of E_u and E', the undrained and drained stiffness respectively, to values of undrained cohesion (Cu), as described by Padfield and Sharrock[16] and Butler[17] and more recently by O’Brien and

16 Padfield CJ and Sharrock MJ (1983) *Settlement of structures on clay soils.* CIRIA Special Publication 27
17 Butler FG (1974) *Heavily overconsolidated clays: a state of the art review.* Proc Conf Settlement of Structures, Cambridge, 531-578, Pentech Press, Lond

Sharp[18]. Relationships of E_u = 500 C_u and E' = 300 C_u for the cohesive soils have previously been used to obtain values of Young's modulus. More recent published data[19] indicates stiffness values of 750 x Cu for the London Clay and a ratio of E' to Cu of 0.75, and it is considered appropriate to use these values for this assessment where the basements bear into the London Clay.

The soil parameters used in this analysis are tabulated below.

Stratum	Depth Range (m) (m TBM)	Cohesion (KPa)	Eu (KPa)	E'(KPa)
Made Ground	GL to 3.0 (7.8 to 4.8)	20	15,000	11,250
London Clay	3.0 to 6.0 4.8 to 1.8)	45 to 85	33,750 to 63,750	25,313 to 47,813
	6.0 to 25.0 (1.8 to -17.2)	85 to 250	63,750 to 187,500	47,813 to 140,625

A rigid boundary for the analysis has been set at the base of the London Clay at a depth of 25.0 m below ground level. An increase in cohesion of 8 kN/m^2 for each metre of depth has been adopted to provide a conservative estimate of the likely strength profile within the London Clay below the maximum depth investigated.

The excavation of approximately 3.0 m thickness of soil for the proposed basement will result in a net unloading of 50 kN/m^2.

Information provided by the consulting engineer indicates that the loads on the proposed underpinning will result in a bearing pressure of between 215 kN/m^2 and 85 kN/m^2 in the short-term during construction. However, following completion of the basement 'box' and distribution of the proposed loads across the proposed raft, the average bearing pressure over the footprint of the entire basement will reduce to about 55 kN/m^2.

An assessment of the potential behaviour of these foundations has been included within the analysis, with a staged approach to the modelling adopted to reflect the change in the way the loads are applied during the course of construction.

10.2.2 Results

The predicted movements are summarised in the table below; the results are presented below 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.

Location	Movements (mm) Heave is -ve and Settlement +ve)			
	Short-term (Post excavation Phase)			Total (post construction)
	Stage 1	Stage 2	Stage 3	Stage 4

18 O'Brien AS and Sharp P (2001) *Settlement and heave of overconsolidated clays - a simplified non-linear method.* Part Two, Ground Engineering, Nov 2001, 48-53

19 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

Centre of proposed basement	1.0 to 1.5	-0.5 to -1.0	0.5 to 0.6	0.75 to 1.0
Edge of proposed basement / Underpinning	1.5 to 2.0	0.5 to 1.0	0.5 to 0.7	0.75 to 1.25
At 5 m from proposed basement	0 to 0.5	0 to 0.5	0 to 0.1	0 to 0.25

e 1 = Wall Installation; Stage 2 = Wall installation & bulk excavation; Stage 3 = Completion of basement box and application of raft loading; Stage 4 = Total movements following completion of development.

The P-Disp analysis indicates that, following wall installation, up to 2 mm of settlement is predicted on the proposed underpinning, which following excavation of the proposed basement is expected to reduce by about 1 mm due to the effect of unloading, with up to 1 mm of heave likely to occur at the centre of the proposed excavations.

Following completion of the basement construction and the distribution of the loads across the proposed basement raft, this short-term heave is likely to be recovered, with total settlement in the region of 1 mm.

11.0 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[20].

The sensitive structure of No 36-38 Ornan Road and No 17A Belsize Lane have been modelled as a series of displacement lines in the analysis along which the damage assessment has been undertaken.

For the analyses, a foundation depth of approximately 1.0 m below existing ground level has been assumed.

11.1 Damage to Neighbouring Structures

The ground movements calculated using the P-Disp modelling software have been imported into X-Disp to carry out an assessment of the likely damage to adjacent properties, whereby the vertical heave and settlement movements along each sensitive structure have been used to estimate the deflection ratio of the nearby sensitive structures.

The building damage reports for sensitive structures highlighted above are included in the appendix and indicate that the damage to the adjoining and nearby structures due to short and total movements for each stage of the proposed development do not exceed Category 0 (negligible).

11.2 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.

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

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.

12.0 GMA CONCLUSIONS

The ground movement analysis has concluded that the predicted damage to the neighbouring properties would generally be 'Negligible'.

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 to ensure that no excessive movements occur that would lead to damage in excess of these limits.

Whilst it is recommended that movement monitoring is carried out on all structures prior to and during the proposed excavation and construction, it is unlikely that specification of these works will be required as part of the planning conditions but may be required in order to satisfy party wall awards.

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.

13.0 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.

13.1 Potential Impacts

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

Potential Impact	Site Investigation Conclusions
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.	The London Clay is prone to seasonal shrink-swell and can cause structural damage. Desiccation was noted during the fieldwork in the vicinity of one of the trees to the front of the house.
The development will increase the differential founding depth	The adjoining properties are not understood to include existing basements, such that the proposed basement is likely to extend below the depth of the existing foundations. However, the results of the ground movement analysis (Part 3.0) indicate that any building damage is unlikely to exceed Category 0 (Negligible).
The site has a very low to low flooding risk from surface water	It is possible that the basement will be constructed within perched groundwater

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 proposed basement will extend to a depth such that new foundations will be expected to bypass any desiccated soils.

Subject to inspection of foundation excavations in the normal way to ensure that there is not significant unexpectedly deep root growth, it is not considered that the occurrence of shrink-swell issues in the local area has any bearing on the proposed development.

The proposed basement will increase the differential depth of foundations relative to neighbouring properties

It is assumed that the proposed basement will extend to a significant depth relative to the existing foundations of the neighbouring properties and will need to be designed to ensure the stability of the site and any potentially sensitive structures that are in close proximity to the site.

An analysis of the potential ground movements resulting from construction of the proposed basement in included in Part 3 of this report and has concluded that the predicted damage to the neighbouring properties would be Category 0 (Negligible). On this basis, the damage that would inevitably occur as a result of such an excavation would fall well within the acceptable limits.

The site has a very low to low flooding potential from surface water

There is a very low risk from sewers, and reservoirs (and other artificial sources), and fluvial / tidal watercourses. It is possible that the basement will be constructed within perched groundwater and the recommendations outlined in the BIA with regards to water-proofing and tanking of the basement will reduce the risk to acceptable levels. In accordance with paragraph 6.16 of the CPG a positive pumped device and non-return valve will be installed in the basement in order to further protect the site from sewer flooding

13.2 BIA Conclusion

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

It is concluded that the proposed development is unlikely to result in any specific land or slope stability issues.

13.3 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.

13.3.1 Screening

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, 13 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?	Existing plans of the site have confirmed that the proposed basement scheme will not increase the amount of hardstanding.
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?	As above.
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 SFRA dated 2014.

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 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?	Historical maps acquired as part of the desk study, Figures 11 and 12 of the Arup report and the Lost Rivers of London book.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	Figures 12, 13 and 14 of the Arup report.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	Existing plans of the site have confirmed that the basement development will only replace existing hardstanding areas.
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 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?	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°?	Figures 16 and 17 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°?	The details of the proposed development provided do not include the re-profiling of the site to create new slopes.
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	Figures 16 and 17 of the Arup report.
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 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?	Site plans and confirmation during the site work.
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?	Figures 11 and 12 of the Arup report and the Lost Rivers of London book.
9. Is the site within an area of previously worked ground?	Geological maps and Figures 3 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 and 8 of the Arup report.

Question	Evidence
11. Is the site within 50 m of Hampstead Heath ponds?	Figures 12, 13 and 14 of the Arup report.
12. Is the site within 5 m of a highway or pedestrian right of way?	Site plans
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Camden planning portal 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.

13.3.2 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 and the engineering properties of the underlying soils to enable suitable design of the basement development.

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

13.3.3 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.

14.0 OUTSTANDING RISKS AND ISSUES

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

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

As discussed throughout the report, perched water is likely to be encountered during the basement excavation, although the finding of the investigation indicate that potential inflows are unlikely to be significant and should be adequately dealt with through sump pumping. However, groundwater monitoring should be continued, and trial excavations should be

considered to assess the extent of inflows to be expected within the proposed basement excavations.

The investigation has not identified the presence of any significant contamination and as the some of the made ground will be removed from this site through the excavation of the proposed basement and large areas are covered by hardstanding, remedial measures should not be required, other than where areas of soft landscaping are to be formed. However, as with any site there is a potential for further areas of contamination to be present within the made ground beneath parts of the site not covered by the investigation it is recommended that a watching brief is maintained during any groundworks for the proposed new foundations and that if any suspicious soils are encountered that they are inspected by a geoenvironmental engineer and further assessment may be required.

The findings of the ground movement analysis and damage assessment should be reviewed once the design proposals have been finalised, particularly if any changes are made to the proposed basement construction.

These items 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.

APPENDIX – PART 1

Site Plan

Borehole Record

BGS Borehole record

Geotechnical Laboratory Test Results

Penetrometer / Depth Graph

Chemical Analyses (Soil)

Generic Risk Based Screening Values

Groundwater Monitoring Records

Envirocheck Report Summary

Historical Maps

Preliminary UXO Risk Assessment Report

GEA

www.gea-ltd.co.uk

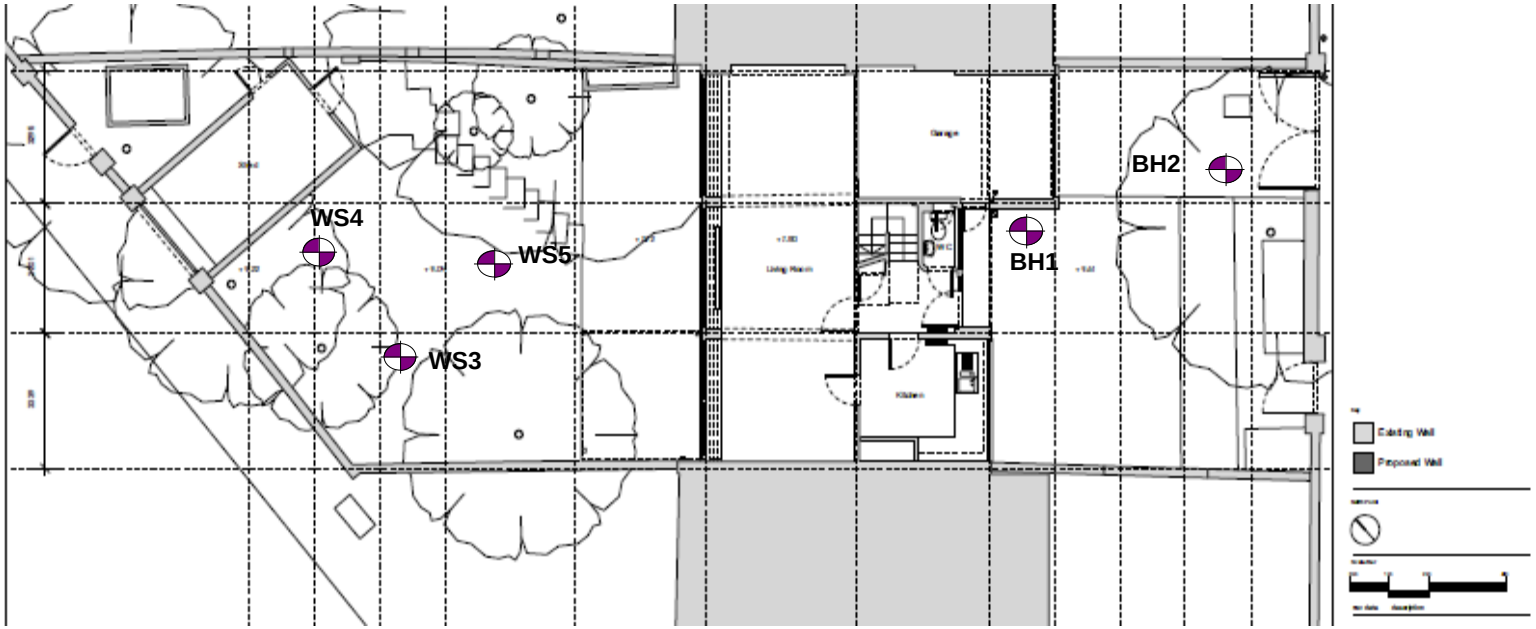
Herts | 01727 824666 Notts | 01509 674888

Site Plan

Site	40 Ornan Road, London, NW3 4QB
Client	Sue Prevezer
Engineer	Michael Barclay Partnership LLP

Job Number J19259

Sheet 1 / 1



Borehole Location

Approximate Scale in metres

0 5 10

GEA

Geotechnical & Environmental Associates

Project				BOREHOLE No
40 Ornan Road, London, NW3 4QB				**BH1**
Job No	Date	Ground Level (m OD)	Co-Ordinates ()	
J19259	27-09-09 27-09-19	7.80	E 527,041.0 N 185,147.0	
Client		Engineer		Sheet
Sue Prevezer		Michael Barclay Partnership LLP		1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
				7.60		0.20	Concrete.	
0.50	ES1			7.10		(0.50) 0.70	Made ground (firm brown gravelly clay. Gravel is fine to coarse subangular to subrounded of bricks. Rare pockets of light grey fine sand)	
				6.80		1.00	0.20 - 0.30 m: Very soft clay	
1.00-1.50 1.00	D3 ES2	0,0/2,2,3,3 N60 = 11				(1.00)	Made ground (light brown slightly clayey sandy fine to coarse subangular to subrounded gravel of bricks)	
				5.80		2.00	Firm to stiff light brown CLAY with rare rootlets.	
2.00-2.50 2.00	D5 D4	2,1/2,2,3,3 N60 = 11					Stiff light brown occasionally mottled bluish grey fissured silty CLAY. 2.00 - 2.10 m: Slightly sandy with rare selenite traces	
3.00	D6	1,2/2,2,3,2 N60 = 10					3.50 - 4.00 m: More frequent selenite traces	
4.00	D7	2,2/3,3,3,5 N60 = 16				(4.50)		
5.00	D8	2,2/2,3,4,4 N60 = 15					5.00 m: Wet 5.10 m: Rarely mottled blue. No selenite traces	
6.00	D9	2,2/3,4,4,5 N60 = 18		1.30		6.50		

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

GENERAL REMARKS

Borehole completed at 6.50 m below ground level.
Groundwater was not encountered.

All dimensions in metres Scale 1:62.5	Method/ Plant Used Opendrive percussive sampler (Terrier rig)	Logged By SZ

Report ID: CABLE PERCUSSION | | Project: J19259 - 40 ORNAN ROAD.GPJ | | Library: GEA LIBRARY.GLB | | Date: 2 December 2019

GEA

Geotechnical & Environmental Associates

Project				BOREHOLE No
40 Ornan Road, London, NW3 4QB				**BH2**
Job No	Date	Ground Level (m OD)	Co-Ordinates ()	
J19259	27-09-19 27-09-19	7.80	E 527,041.0 N 185,147.0	
Client		Engineer		Sheet
Sue Prevezer		Michael Barclay Partnership LLP		1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
				7.50		0.30	Tarmac/concrete.	
				7.40		0.40	Made ground (gravel and cobble size fragments of concrete and bricks)	
0.50	ES1					(0.80)	Made ground (very stiff brown gravelly clay. Gravel is fine to coarse subangular to subrounded of bricks and occasional wood fragments)	
1.00	D2	2,3/4,4,4,5 N60 = 19		6.60		1.20	Stiff brown fissured silty CLAY.	
1.50-2.00	D3							
		2,3/4,5,5,5 N60 = 22					2.00 m: Occasionally mottled blue	
2.50	D4							
3.00	D5	2,1/2,3,3,3 N60 = 13						
3.50	D6					(5.30)	3.50 m: Sandy clay with occasional selenite traces. Sand is fine to coarse	
4.00	D7	2,2/2,3,3,4 N60 = 14						
5.00	D8	2,2/2,4,3,5 N60 = 16						
6.00	D9	2,3/3,3,4,5 N60 = 17		1.30		6.50		

Boring Progress and Water Observations

Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth

GENERAL REMARKS

Borehole completed at 6.50 m below ground level.
Groundwater was not encountered.

All dimensions in metres Scale 1:62.5	Method/ Plant Used Opendrive percussive sampler (Terrier rig)	Logged By SZ

Report ID: CABLE PERCUSSION | | Project: J19259 - 40 ORNAN ROAD.GPJ | | Library: GEA LIBRARY.GLB | | Date: 2 December 2019

GEA

Geotechnical & Environmental Associates

Project				BOREHOLE No
40 Ornan Road, London, NW3 4QB				**WS3**
Job No	Date	Ground Level (m OD)	Co-Ordinates ()	
J19259	27-09-19 27-09-19	8.47	E 527,041.0 N 185,147.0	
Client		Engineer		Sheet
Sue Prevezer		Michael Barclay Partnership LLP		1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
				7.97		(0.50) 0.50	Topsoil (dark brown slightly gravelly slightly clayey fine to coarse sand. Gravel is fine to coarse angular to subangular of bricks. Abundant roots and rootlets)	
0.50	ES1			7.47		(0.50) 1.00	Made ground (brown slightly gravelly fine to coarse sand. Gravel is fine to coarse subangular to subrounded of bricks. Occasional rootlets)	
1.00	D2			6.87		(0.60) 1.60	Stiff brown CLAY with rare rootlets.	
1.60	D3			6.07		(0.80) 2.40	Stiff brown sandy CLAY. Sand is fine to coarse.	
2.50	D4			4.97		(1.10) 3.50	Stiff to firm brown fissured silty CLAY.	

Boring Progress and Water Observations

Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth

GENERAL REMARKS

Borehole completed at 3.50 m below ground level.
Groundwater was not encountered.

All dimensions in metres Scale 1:62.5	Method/ Plant Used Window sampler	Logged By SZ

Report ID: CABLE PERCUSSION | | Project: J19259 - 40 ORNAN ROAD.GPJ | | Library: GEA LIBRARY.GLB | | Date: 2 December 2019

GEA

Geotechnical & Environmental Associates

Project				BOREHOLE No
40 Ornan Road, London, NW3 4QB				**WS4**
Job No	Date	Ground Level (m OD)	Co-Ordinates ()	
J19259	27-09-19 27-09-19	9.04	E 527,041.0 N 185,147.0	
Client		Engineer		Sheet
Sue Prevezer		Michael Barclay Partnership LLP		1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
				8.64		0.40	Made ground (dark brown slightly gravelly fine to coarse sand. Gravel is fine and medium angular to subangular of bricks. Frequent roots and rootlets)	
0.50	ES1					(0.60)		
				8.04		1.00	Made ground (greyish brown slightly clayey gravelly fine to coarse sand. Gravel is fine to coarse subangular to subrounded of bricks. Occasional roots and rootlets)	
1.00	D2						Stiff light brown fissured silty CLAY.	
							1.50 m: Pockets of orange fine sand	
2.00	D3					(2.50)		
3.00	D4							
				5.54		3.50		

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

GENERAL REMARKS

Borehole completed at 3.50 m below ground level.
Groundwater was not encountered.

All dimensions in metres Scale 1:62.5	Method/ Plant Used Window sampler	Logged By SZ

Report ID: CABLE PERCUSSION | | Project: J19259 - 40 ORNAN ROAD.GPJ | | Library: GEA LIBRARY.GLB | | Date: 2 December 2019

GEA

Geotechnical & Environmental Associates

Project				BOREHOLE No
40 Ornan Road, London, NW3 4QB				**WS5**
Job No	Date	Ground Level (m OD)	Co-Ordinates ()	
J19259	27-09-19 27-09-19	8.47	E 527,041.0 N 185,147.0	
Client		Engineer		Sheet
Sue Prevezer		Michael Barclay Partnership LLP		1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
				7.97		(0.50) 0.50	Made ground (soft dark brown gravelly clay with occasional roots and rootlets. Gravel is fine to coarse subangular to subrounded of bricks)	
0.50	ES1			7.47		(0.50) 1.00	Made ground (light brown clayey fine to coarse subangular to subrounded gravel of bricks. With occasional rootlets)	
1.00	D2					(1.00)	Stiff brown CLAY with occasional roots and rootlets.	
				6.47		2.00		
2.00	D3					(1.50)	Stiff orange brown fissured sandy CLAY. Sand is fine to coarse.	
3.00	D4			4.97		3.50		

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

GENERAL REMARKS

Borehole completed at 3.50 m below ground level.
Groundwater was not encountered.

All dimensions in metres Scale 1:62.5	Method/ Plant Used Window sampler	Logged By SZ

Report ID: CABLE PERCUSSION | | Project: J19259 - 40 ORNAN ROAD.GPJ | | Library: GEA LIBRARY.GLB | | Date: 2 December 2019

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

(For Survey use only)

6-inch Map Registered No. TQ28NE/38

Name of Shaft or Bore given by Geological Survey:

Name and Number given by owner: c 16.

Nat. Grid Reference 2722.8520

For whom made

Town or Village Hampstead. County

Exact site Junction of Belsize Av. and Haverstock Hill. (Attach a tracing from a map, or a sketch-map, if possible.)

1" N.S.Map No.	1" O.S.Map No.	Confidential or not
256		

Purpose for which made

Ground Level at shaft/bore relative to O.D. 234'

If not ground level give O.D. of beginning of shaft/bore

Made by

Date of sinking 1900.

Information from LCC.

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) Geological Classification	DESCRIPTION OF STRATA	Thickness Ft.	Thickness In.	Depth Ft.	Depth In.
MGR	Made Ground	4	-		1.22
LC	Clay	16	-	20	- 6.10
	For Hampstead Tube Rly.				

(5412) Wt.32837/PS.154 2m 10/64 G.W.B.Ltd. Gp.863

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

Job No.	Project Name	Programme	
27284	40 Ornan Road	Samples received	08/10/2019
		Schedule received	04/10/2019
Project No.	Client	Project started	08/10/2019
J19259	GEA	Testing Started	18/10/2019

Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type		%	%	%	%	%	
WS1	3	1.00	-	D	Brown silty CLAY	32					
WS1	4	2.00	-	D	Brown silty CLAY with orange-brown sandy patches	30	100	63	24	39	
WS1	6	3.00	-	D	Brown silty CLAY with orange-brown sandy patches	33					
WS1	7	4.00	-	D	Brown silty CLAY with orange-brown sandy patches	33	100	77	30	47	
WS1	8	5.00	-	D	Brown silty CLAY with orange-brown sandy patches and scattered selenite	32					
WS1	9	6.00	-	D	Dark grey silty CLAY with scattered selenite	33	100	77	30	47	
WS2	3	1.50	-	D	Brown silty CLAY with orange-brown sandy patches	27					
WS2	4	2.50	-	D	Brown silty CLAY with orange-brown sandy patches	30					
WS2	5	3.00	-	D	Brown silty CLAY with blue-grey veins and orange-brown sandy patches	35	100	73	29	44	
WS2	6	3.50	-	D	Brown silty CLAY with blue-grey veins and orange-brown sandy patches	33					
WS2	8	5.00	-	D	Brown silty CLAY with scattered selenite	32					
WS3	4	2.50	-	D	Brown silty CLAY	32					

Test Methods: BS1377: Part 2: 1990:
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3, 4.4 and 5.0

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 **J.P**

Date: 21/10/2019

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

Job No.	Project Name	Programme	
27284	40 Ornan Road	Samples received	08/10/2019
		Schedule received	04/10/2019
Project No.	Client	Project started	08/10/2019
J19259	GEA	Testing Started	18/10/2019

Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type		%	%	%	%	%	
WS4	3	2.00	-	D	Brown silty CLAY with sandy patches	23					
WS5	3	2.00	-	D	Brown silty CLAY with sandy patches	30					

Test Methods: BS1377: Part 2: 1990:
Natural Moisture Content : clause 3.2
Atterberg Limits: clause 4.3, 4.4 and 5.0

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 **J.P**

Date: 21/10/2019

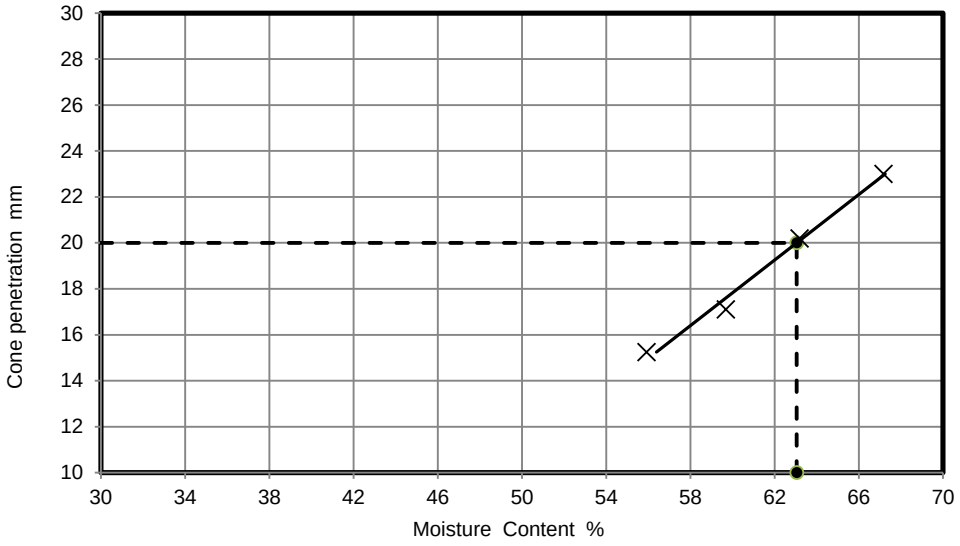
2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Site Name	40 Ornan Road			Sample No.	4
Project No.	J19259	Client	GEA	Depth Top	2.00 m
Soil Description	Brown silty CLAY with orange-brown sandy patches			Depth Base	- m
				Sample Type	D
				Samples received	08/10/2019
				Schedules received	04/10/2019
				Project Started	08/10/2019
				Date Tested	18/10/2019

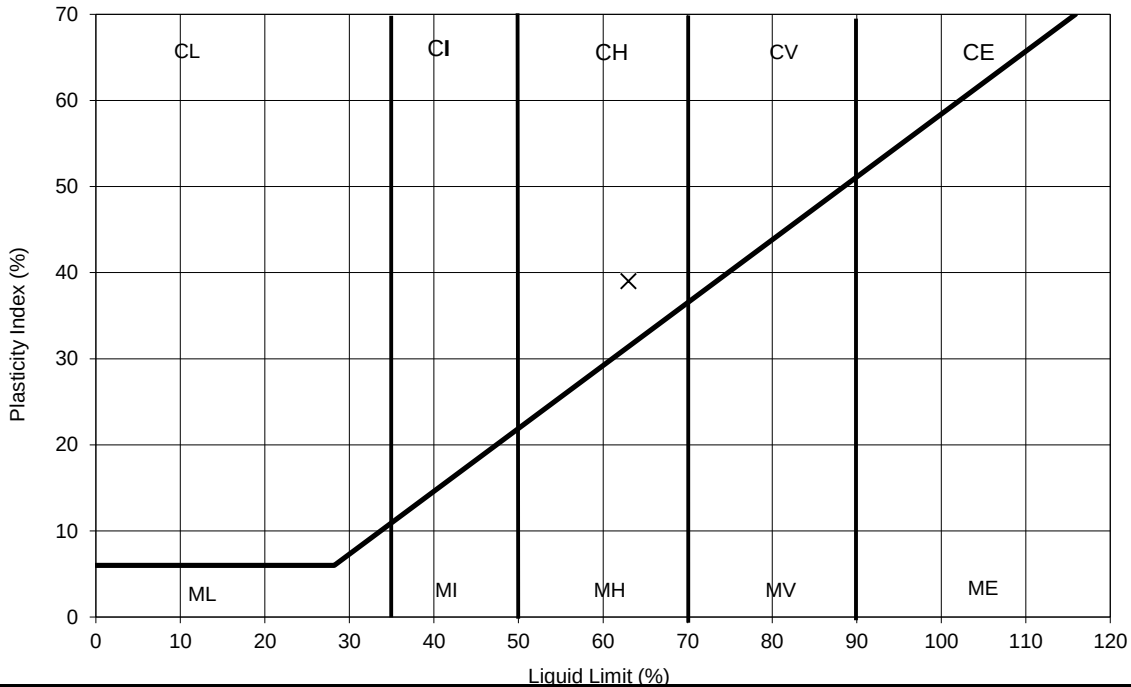
Job No.	27284
Borehole/Pit No.	WS1



NATURAL MOISTURE CONTENT	**30**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**63**	**%**
PLASTIC LIMIT	**24**	**%**
PLASTICITY INDEX	**39**	**%**

Remarks

PLASTICITY INDEX



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 method

Checked and Approved

Initials: J.P
Date: 21/10/2019

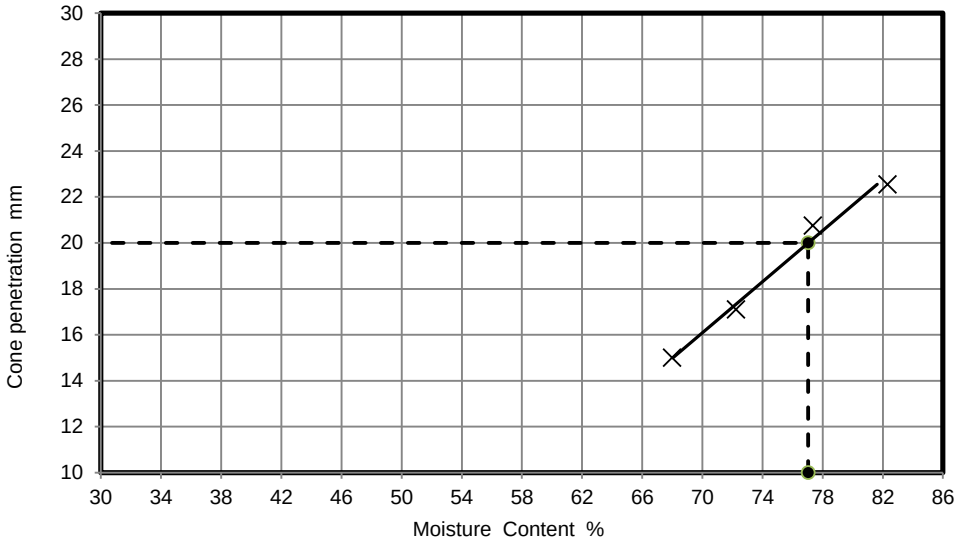
Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

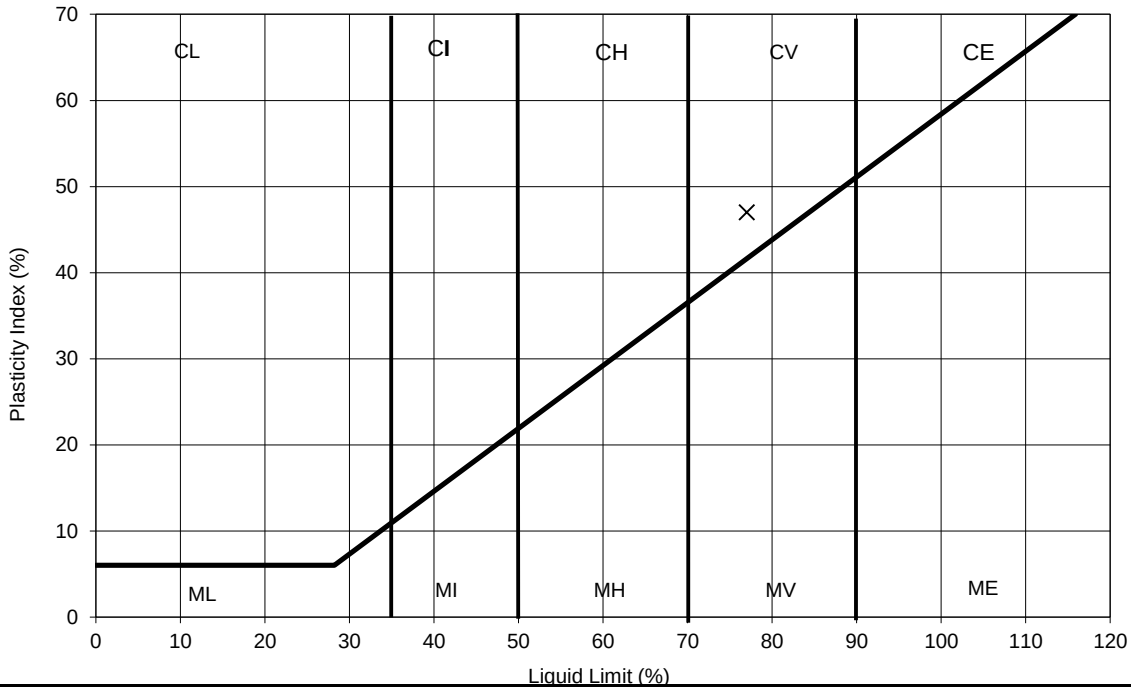
Site Name	40 Ornan Road			Job No.	27284
Project No.	J19259	Client	GEA	Borehole/Pit No.	WS1
Soil Description	Brown silty CLAY with orange-brown sandy patches			Sample No.	7
				Depth Top	4.00 m
				Depth Base	- m
				Sample Type	D
				Samples received	08/10/2019
				Schedules received	04/10/2019
				Project Started	08/10/2019
				Date Tested	18/10/2019



NATURAL MOISTURE CONTENT	**33**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**77**	**%**
PLASTIC LIMIT	**30**	**%**
PLASTICITY INDEX	**47**	**%**

Remarks

PLASTICITY INDEX



TEST METHOD

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BS1377: Part 2 :Clause 3.2 : 1990:Determination of the moisture content by the oven drying method

Checked and Approved

Initials: J.P
Date: 21/10/2019

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

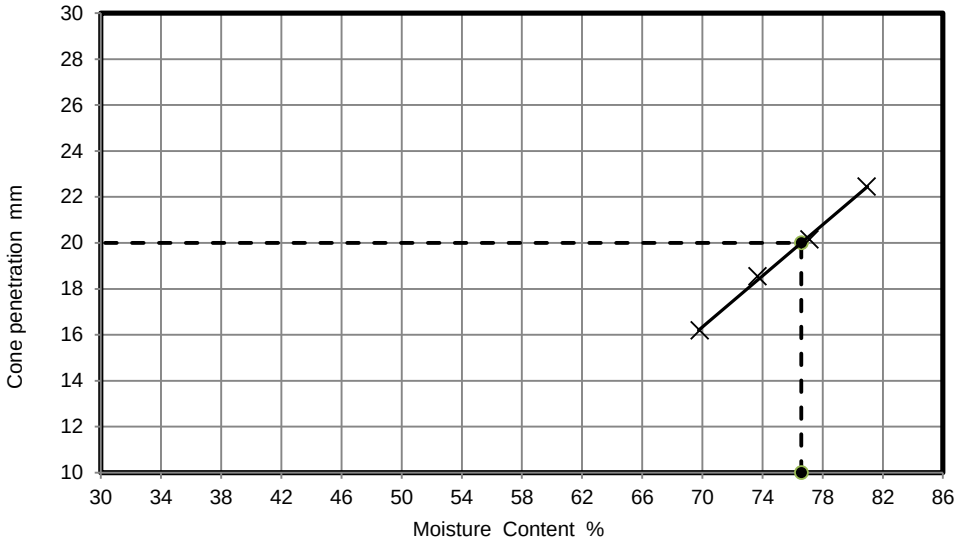
2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Site Name	40 Ornan Road			Sample No.	9
Project No.	J19259	Client	GEA	Depth Top	6.00 m
Soil Description	Dark grey silty CLAY with scattered selenite			Depth Base	- m
				Sample Type	D
				Samples received	08/10/2019
				Schedules received	04/10/2019
				Project Started	08/10/2019
				Date Tested	18/10/2019

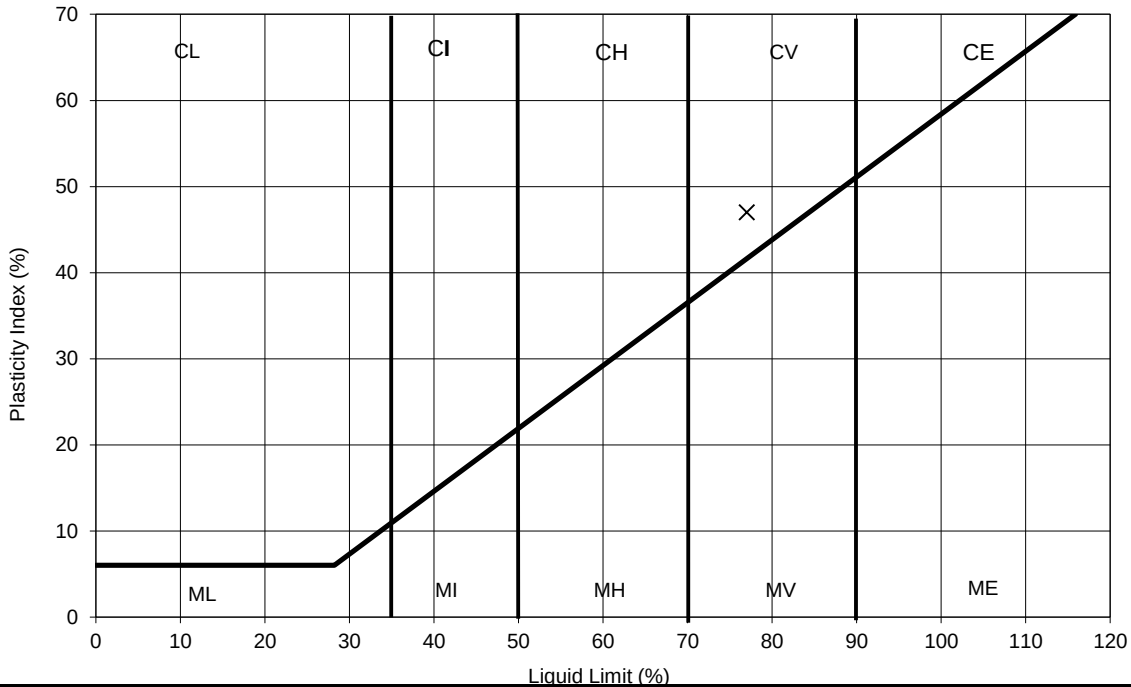
Job No.	27284
Borehole/Pit No.	WS1



NATURAL MOISTURE CONTENT	**33**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**77**	**%**
PLASTIC LIMIT	**30**	**%**
PLASTICITY INDEX	**47**	**%**

Remarks

PLASTICITY INDEX



TEST METHOD

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BS1377: Part 2 :Clause 5.0 : 1990: Determination of the plastic limit and plasticity index
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Checked and Approved

Initials: J.P
Date: 21/10/2019

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

2519

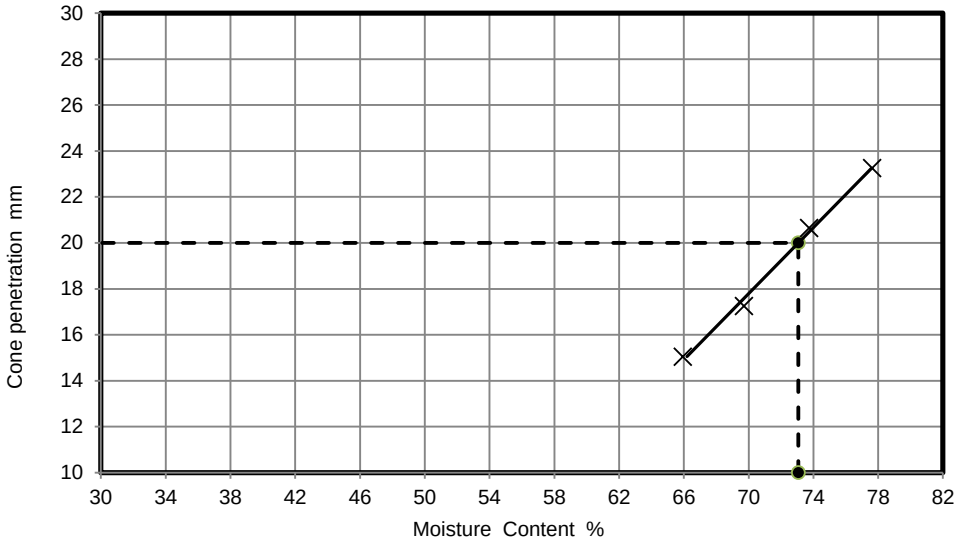
Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Site Name	40 Ornan Road			Sample No.	5
Project No.	J19259	Client	GEA	Depth Top	3.00 m
Soil Description	Brown silty CLAY with blue-grey veins and orange-brown sandy patches			Depth Base	- m
				Sample Type	D
				Samples received	08/10/2019
				Schedules received	04/10/2019
				Project Started	08/10/2019
				Date Tested	18/10/2019

Job No. 27284

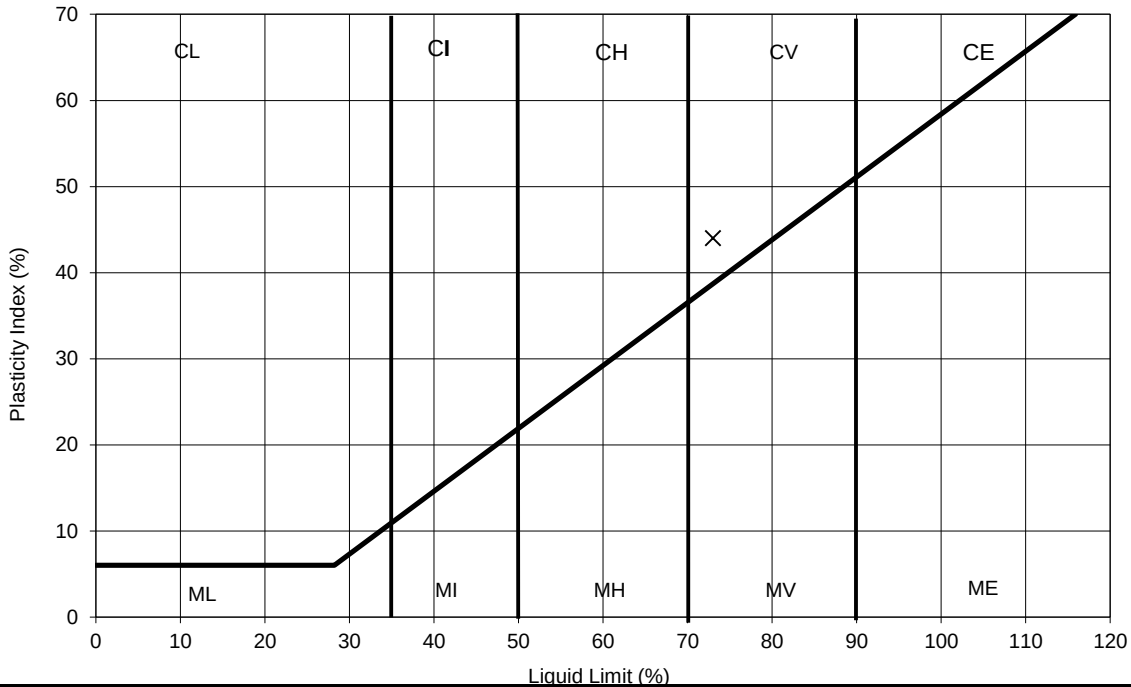
Borehole/Pit No. WS2



NATURAL MOISTURE CONTENT	**35**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**73**	**%**
PLASTIC LIMIT	**29**	**%**
PLASTICITY INDEX	**44**	**%**

Remarks

PLASTICITY INDEX



TEST METHOD

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Checked and Approved

Initials: J.P

Date: 21/10/2019

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

2519

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 : 1990, clause 5.3 and clause 9

Job No.	Project Name	Programme	
27284	40 Ornan Road	Samples received	08/10/2019
		Schedule received	04/10/2019
Project No.	Client	Project started	08/10/2019
J19259	GEA	Testing Started	17/10/2019

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top m	Base m	Type		%	g/l	g/l		
WS1	5	2.00	-	D	Brown silty CLAY with orange-brown sandy patches	100	0.21	0.25	7.59	
WS2	4	2.50	-	D	Brown silty CLAY with orange-brown sandy patches	100	0.34	0.40	7.61	
WS5	2	1.00	-	D	Brown slightly sandy silty CLAY with rare roots	100	0.25	0.30	7.75	

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 J.P
Date: 21/10/2019

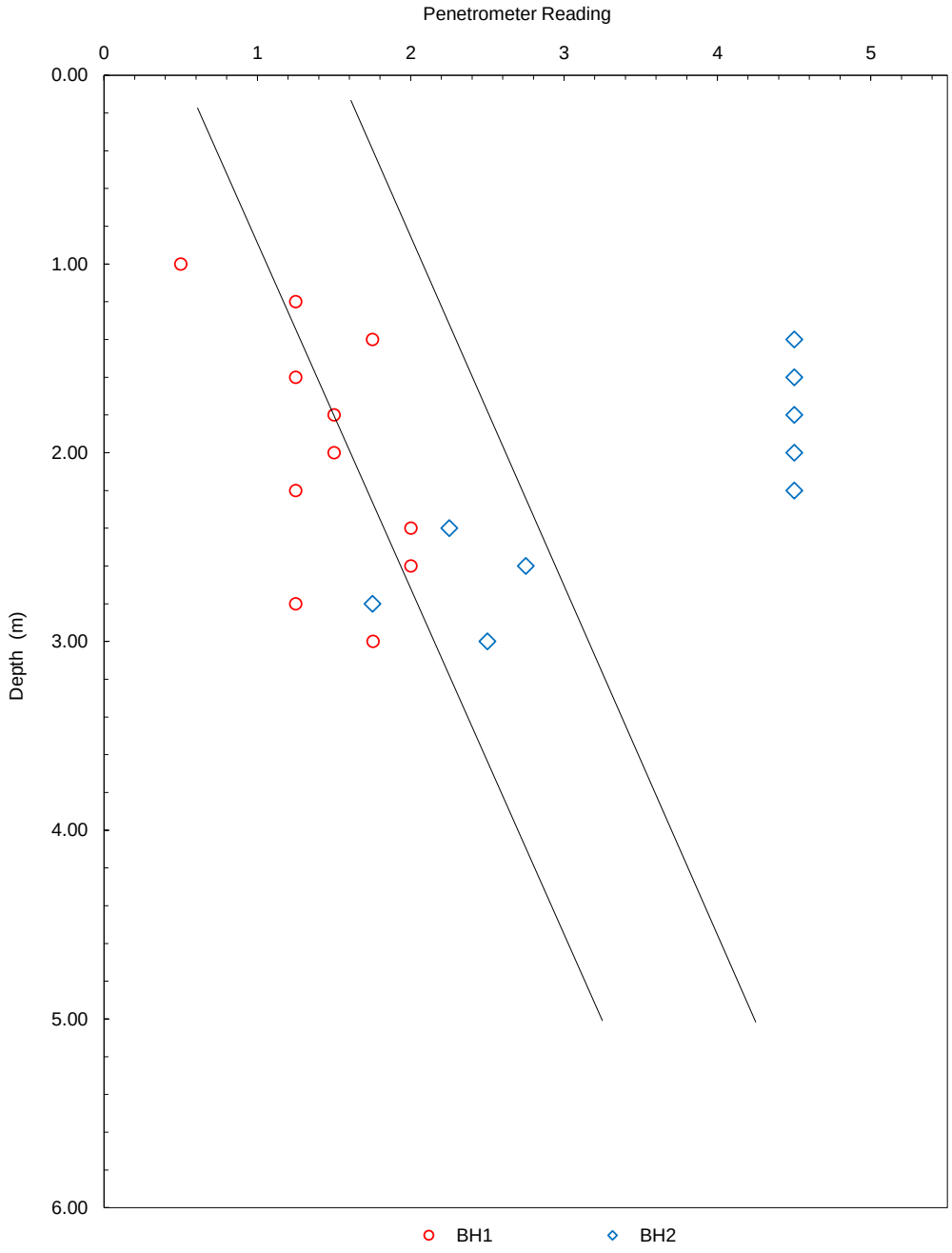
GEA
www.gea-ltd.co.uk
Herts | 01727 824666 Notts | 01509 674888

Penetrometer / Depth Graph

Site	40 Ornan Road, London, NW3 4QB
Client	Sue Prevezer
Engineer	Michael Barclay Partnership LLP

Job Number J19259

Sheet 1 / 1



Solid lines indicate typical equilibrium values for London Clay

Sofia Zougrou
Geotechnical & Environmental Associates
Widbury Barn
Widbury Hill
Ware
Hertfordshire
SG127QE

e: sofia@gea-ltd.co.uk

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7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

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

Analytical Report Number : 19-63190

Project / Site name:	40 Ornan Road, London, NW3 4QB	**Samples received on:**	30/09/2019
Your job number:	J192599	**Samples instructed on:**	01/09/2019
Your order number:	J192599	**Analysis completed by:**	08/10/2019
Report Issue Number:	1	**Report issued on:**	08/10/2019
Samples Analysed:	4 soil samples		

Signed:

Zina Abdul Razzak
Senior Quality Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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.

Analytical Report Number: 19-63190

Project / Site name: 40 Ornan Road, London, NW3 4QB
Your Order No: J192599

Lab Sample Number				17470	17471	17472	17473	
Sample Reference				WS1	WS2	WS4	WS5	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				0.50	0.50	0.50	0.50	
Date Sampled				27/09/2019	27/09/2019	27/09/2019	27/09/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SOILS								
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	
Moisture Content	%	N/A	NONE	20	20	9.1	18	
Total mass of sample received	kg	0.001	NONE	1.2	0.98	1.1	1.1	
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.1	7.9	8.0	8.0	
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	
Total Sulphate as SO_4	mg/kg	50	MCERTS	990	960	1600	640	
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.030	0.12	0.097	0.043	
Sulphide	mg/kg	1	MCERTS	2.4	2.7	2.5	2.7	
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	2.1	5.4	6.5	6.3	
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.1	1.3	1.9	1.3	
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	
Phenanthrene	mg/kg	0.05	MCERTS	0.36	0.33	1.5	0.55	
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.36	0.15	
Fluoranthene	mg/kg	0.05	MCERTS	0.71	0.81	5.0	1.3	
Pyrene	mg/kg	0.05	MCERTS	0.70	0.70	4.4	1.2	
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.36	0.33	2.3	0.58	
Chrysene	mg/kg	0.05	MCERTS	0.44	0.43	2.1	0.60	
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.50	0.43	2.7	0.75	
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.18	0.16	1.3	0.22	
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.35	0.25	2.0	0.47	
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.18	1.4	0.30	
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.44	< 0.05	
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.26	1.6	0.38	
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	3.60	3.88	25.0	6.47	

Analytical Report Number: 19-63190

Project / Site name: 40 Ornan Road, London, NW3 4QB
Your Order No: J192599

Lab Sample Number				17470	17471	17472	17473	
Sample Reference				WS1	WS2	WS4	WS5	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				0.50	0.50	0.50	0.50	
Date Sampled				27/09/2019	27/09/2019	27/09/2019	27/09/2019	
Time Taken				None Supplied	None Supplied	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	23	11	28	25	
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	28	28	38	42	
Copper (aqua regia extractable)	mg/kg	1	MCERTS	37	32	80	89	
Lead (aqua regia extractable)	mg/kg	1	MCERTS	300	200	1400	320	
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.7	1.2	< 0.3	< 0.3	
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	19	23	24	
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	140	380	160	
Petroleum Hydrocarbons								
TPH C10 - C40	mg/kg	10	MCERTS	25	32	100	55	
TPH (C8 - C10)	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	
TPH (C10 - C12)	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	
TPH (C12 - C16)	mg/kg	4	MCERTS	< 4.0	< 4.0	6.2	5.3	
TPH (C16 - C21)	mg/kg	1	MCERTS	10	11	32	22	
TPH (C21 - C35)	mg/kg	1	MCERTS	15	21	64	29	

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

Analytical Report Number : 19-63190

Project / Site name: 40 Ornan Road, London, NW3 4QB

* 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 *
17470	WS1	None Supplied	0.50	Brown clay and sand.
17471	WS2	None Supplied	0.50	Brown clay.
17472	WS4	None Supplied	0.50	Brown loam and clay with gravel and glass.
17473	WS5	None Supplied	0.50	Brown clay and sand with vegetation.

Analytical Report Number : 19-63190

Project / Site name: 40 Ornan Road, London, NW3 4QB

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

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 disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests. 2:1 extraction.	L082-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L038-PL	D	MCERTS
TPH Banding in Soil by FID	Determination of hexane extractable hydrocarbons in soil by GC-FID.	In-house method, TPH with carbon banding.	L076-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding.	L076-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

GEA
Widbury Barn
Widbury Hill
Ware
SG12 7QE

Generic Risk-Based Soil Screening Values

Site	40 Ornan Road, London, NW3 4QB	**Job Number** J19259
Client	Sue Prevezer	**Sheet** 1/1
Engineer	Michael Barclay Partnership LLP	

Proposed End Use Residential with plant uptake

Soil Organic Matter content % 2.5

Contaminant	Screening Value mg/kg	Data Source
Metals		
Arsenic	37	C4SL
Cadmium	26	C4SL
Chromium (III)	910	S4UL
Chromium (VI)	21	C4SL
Copper	2,400	S4UL
Lead	200	C4SL
Elemental Mercury	1.2	S4UL
Inorganic Mercury	40	S4UL
Nickel	180	S4UL
Selenium	350	SGV
Zinc	3,700	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	290	SGV
PAH		
Naphthalene	5.60	S4UL
Acenaphthylene	420	S4UL
Acenaphthene	510	S4UL
Fluorene	400	S4UL
Phenanthrene	220	S4UL
Anthracene	5,400	S4UL
Fluoranthene	560	S4UL
Pyrene	1,200	S4UL
Benzo(a)anthracene	11.0	S4UL
Chrysene	22	S4UL
Benzo(b)fluoranthene	3.3	S4UL
Benzo(k)fluoranthene	93.0	S4UL
Benzo(a)pyrene	4.40	C4SL
Indeno(1 2 3 cd)pyrene	36.0	S4UL
Dibenz(a h)anthracene	0.28	S4UL
Benzo (g h i)perylene	340	S4UL
Total PAH Screen	**62.9**	B(a)P / 0.15

Contaminant	Screening Value mg/kg	Data Source
Hydrocarbons		
Banded TPH (8-10)	128	Calc1
Banded TPH (10-12)	277	Calc1
Banded TPH (12-16)	508	Calc1
Banded TPH (16-21)	831	Calc1
Banded TPH (21-35)	2308	Calc1
Benzene	0.34	C4SL
Toluene	320	SGV
Ethyl Benzene	180	SGV
Xylene	120	SGV
Aliphatic C5-C6	78	S4UL
Aliphatic C6-C8	230	S4UL
Aliphatic C8-C10	65	S4UL
Aliphatic C10-C12	330	S4UL
Aliphatic C12-C16	2400	S4UL
Aliphatic C16-C35	92,000	S4UL
Aromatic C6-C7	See Benzene	S4UL
Aromatic C7-C8	See Toluene	S4UL
Aromatic C8-C10	83	S4UL
Aromatic C10-C12	180	S4UL
Aromatic C12-C16	330	S4UL
Aromatic C16-C21	540	S4UL
Aromatic C21-C35	1500	S4UL
PRO (C_5 –C_{10})	776	Calc2
DRO (C_{12} –C_{28})	95,270	Calc2
Lube Oil (C_{28} –C_{44})	93,500	Calc2
TPH	**750**	Trigger to consider speciated testing
Chlorinated Solvents		
1,1,1 trichloroethane (TCA)	18	S4UL
tetrachloroethane (PCA)	2.8	S4UL
tetrachloroethene (PCE)	0.39	S4UL
trichloroethene (TCE)	0.034	S4UL
1,2-dichloroethane (DCA)	0.011	S4UL
vinyl chloride (Chloroethene)	0.00087	S4UL
tetrachloromethane (Carbon tetra	0.056	S4UL
trichloromethane (Chloroform)	1.7	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

GROUNDWATER MONITORING RECORD

JOB NUMBER: J19259

SITE LOCATION: 40 Ornan Road, London, NW3 4QB

CLIENT: Sue Prevezer ENGINEER: Michael Barclay Partnership DATE: 15/10/2019

GEA JOB ENGINEER: SZ GEA MONITORING ENGINEER: BP SHEET: 1/1

Borehole Identification	Depth to water (m)	Depth to base (m)	Additional Notes
1	1.30		
2	5.45		
5	2.50		

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
218619509_1_1

Customer Reference:
J19259

National Grid Reference:
527020, 185130

Slice:
A

Site Area (Ha):
0.23

Search Buffer (m):
1000

Site Details:

40, Ornan Road
LONDON
NW3 4QB

Client Details:

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

GEA

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.

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	pg 1		Yes		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
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		2	3	12
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 3			39	1
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 9				1
Water Abstractions	pg 10				4 (*14)
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 15			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 15		1		6

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	pg 16				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 16	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 16			5	1
Potentially Infilled Land (Water)	pg 16				2
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 17				2
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					

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 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 18		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 21	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 21	Yes	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 21	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 21	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes	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 23		14	34	192
Fuel Station Entries	pg 43		1		2
Points of Interest - Commercial Services	pg 43		3	9	50
Points of Interest - Education and Health	pg 48			5	1
Points of Interest - Manufacturing and Production	pg 49		2		3
Points of Interest - Public Infrastructure	pg 49		5	2	15
Points of Interest - Recreational and Environmental	pg 51				15
Gas Pipelines					
Underground Electrical Cables	pg 52		4	4	22

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 56			1	1
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
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	67	1	526950 185200
1	**Local Authority Pollution Prevention and Controls** Name: Belsize Park Service Station Location: 215 Haverstock Hill, LONDON, NW3 4RE Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC21 Dated: 2nd January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status:** **Permitted** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	166	2	527187 185227
2	**Local Authority Pollution Prevention and Controls** Name: Pyramid Cleaners Location: 52 Besize Lane, London, Nw3 5ar Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC8 Dated: 1st January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	191	2	526872 184985
3	**Local Authority Pollution Prevention and Controls** Name: Perkins Dry Cleaners Location: 171 Haverstock Hill, London, Nw3 4qs Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC7 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A13SE (E)	298	2	527342 185055
4	**Local Authority Pollution Prevention and Controls** Name: Swan Dry Cleaners Location: 163 Haverstock Hill, London, Nw3 4qt Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC42 Dated: 24th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	332	2	527371 185032
5	**Local Authority Pollution Prevention and Controls** Name: The Royal Free Hospital Location: Pond Street, LONDON, NW3 2QG Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: 24th July 1992 Process Type: Local Authority Air Pollution Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour **Status:** **Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	370	2	527296 185410
6	**Local Authority Pollution Prevention and Controls** Name: Top Choice Dry Cleaners Location: 96 Fleet Road, London, Nw3 2qx Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC13 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	587	2	527529 185471
7	**Local Authority Pollution Prevention and Controls** Name: Chequers Textile Care Ltd Location: 48 Englands Lane, London, Nw3 4ue Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC47 Dated: 5th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	699	2	527498 184580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Local Authority Pollution Prevention and Controls** Name: B P Harmony Location: 104a Finchley Road, London, NW3 5EY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: 1st July 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	779	2	526471 184554
8	**Local Authority Pollution Prevention and Controls** Name: Bp Harmony Location: 104a Finchley Road, LONDON, NW3 5EY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC18 Dated: 1st July 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status:** **Permitted** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	779	2	526471 184554
9	**Local Authority Pollution Prevention and Controls** Name: Kings Dry Cleaners Location: 25 Winchester Road, London, E4 Authority: London Borough of Waltham Forest, Environmental Health Department Permit Reference: DC05 Dated: 6th July 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	823	3	526812 184310
10	**Local Authority Pollution Prevention and Controls** Name: Perkins Dry Cleaners Location: 40 Heath Street, London, Nw3 6te Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC9 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	846	2	526374 185724
11	**Local Authority Pollution Prevention and Controls** Name: Hampstead Express Dry Cleaning Location: 279a Finchley Road, London, Nw3 6lt Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC6 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	852	2	526178 184902
11	**Local Authority Pollution Prevention and Controls** Name: Janet'S Hand Laundry Ltd Location: 281a Finchley Road, London, Nw3 6nd Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC14 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A12SW (W)	857	2	526167 184924
12	**Local Authority Pollution Prevention and Controls** Name: Is Dry Cleaners Location: 6 Canfield Gardens, London, Nw6 3bs Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC18 Dated: 5th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	877	2	526257 184662

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Local Authority Pollution Prevention and Controls** Name: Visage Location: 171 Malden Road, London, Nw5 4ht Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC50 Dated: 1st February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	909	2	527961 185143
14	**Local Authority Pollution Prevention and Controls** Name: Swiss Cottage Dry Cleaners Location: 121 Finchley Road, London, Nw3 6hy Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC10 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	925	2	526626 184270
15	**Local Authority Pollution Prevention and Controls** Name: The Dry Cleaners Of Hampstead Location: 80 Haverstock Hill, London, Nw3 2be Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC41 Dated: 25th June 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	933	2	527875 184684
	Nearest Surface Water Feature	A18SE (NE)	582	-	527315 185663
16	**Registered Radioactive Substances** Name: Royal Free Hampstead NHS Trust Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, Greater London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AV8011 Dated: 25th October 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	360	4	527292 185400
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Royal Free Hospital, Pond Street, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: By6010 Dated: 3rd August 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	364	4	527299 185399
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Royal Free Hospital, Pond Street, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bw7635 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	364	4	527299 185399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Royal Free Hospital, Pond Street, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bj5694 Dated: 14th February 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	364	4	527299 185399
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, Greater London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AT8398 Dated: 17th January 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	364	4	527292 185405
16	**Registered Radioactive Substances** Name: University College London Location: Royal Free Campus, Rowland Hill Street, London, Nw3 2pf Authority: Environment Agency, Thames Region Permit Reference: By6001 Dated: 7th May 2015 Process Type: Not Supplied Description: Not Supplied **Status: Replaced** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	366	4	527300 185400
16	**Registered Radioactive Substances** Name: University College London Location: Royal Free Campus, Rowland Hill Street, London, Nw3 2pf Authority: Environment Agency, Thames Region Permit Reference: Bz9758 Dated: 7th May 2015 Process Type: Not Supplied Description: Not Supplied **Status: Replaced** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	366	4	527300 185400
16	**Registered Radioactive Substances** Name: University College London Location: Royal Free Campus, Rowland Hill Street, London, Nw3 2pf Authority: Environment Agency, Thames Region Permit Reference: SB3598DT Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	366	4	527300 185400
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, Greater London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AR0446 Dated: 12th July 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	367	4	527292 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: CD3170 Dated: 13th July 2009 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operator** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: CB2954 Dated: 20th July 2007 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to an authorisation under S13 or S14 RSA in respect of a registration under S7 when Technetium 99M is used being =< 10 gigabecquerels **Status: Authorisation either revoked or cancelled** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Ca2592 Dated: 13th April 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bz9162 Dated: 9th December 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bz1617 Dated: 9th September 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Anthony Nolan Trust (Ant) Location: Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bz0777 Dated: 14th July 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185411
16	**Registered Radioactive Substances** Name: Anthony Nolan Trust (Ant) Location: Medical Physics Department Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bz0831 Dated: 14th July 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	371	4	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: By5714 Dated: 6th December 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: By5706 Dated: 22nd November 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Discretionary registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operator** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bw6841 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Anthony Nolan Trust (Ant) Location: Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bw7643 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185411
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bt8759 Dated: 12th May 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bs4863 Dated: 25th July 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Anthony Nolan Trust (Ant) Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Br6392 Dated: 29th April 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, HAMPSTEAD, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Br6406 Dated: 29th April 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Medical Physics Department, Royal Free Hospital, Pond Street, London, Greater London, NW3 2PF Authority: Environment Agency, Thames Region Permit Reference: Bm0214 Dated: 28th November 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bj5708 Dated: 14th February 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Polymasc Pharmaceuticals Plc Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bj5678 Dated: 14th February 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Anthony Nolan Trust (Ant) Location: Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: Bj5716 Dated: 14th February 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185411

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Medical Physics Department, Royal Free Hospital, Pond Street, London, Greater London, NW3 2PF Authority: Environment Agency, Thames Region Permit Reference: BB6254 Dated: 27th October 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AV1327 Dated: 11th August 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free And University College Medical School Of University College London Location: Medical Physics Department, Royal Free Hospital, Pond Street, London, Greater London, NW3 2PF Authority: Environment Agency, Thames Region Permit Reference: AR0403 Dated: 12th July 1995 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital,Pond Street,Hampstead, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AH9987 Dated: 21st June 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, Greater London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AE8658 Dated: 24th March 1992 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of multiple open sources which are also the subject of authorisations **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527302 185405
16	**Registered Radioactive Substances** Name: Royal Free Hampstead Nhs Trust Location: Royal Free Hospital, Pond Street, LONDON, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AB4095 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Registered Radioactive Substances** Name: Royal Free London Nhs Foundation Trust Location: The Royal Free Hospital, Pond Street, Hampstead, Nw3 2qg Authority: Environment Agency, Thames Region Permit Reference: UB3935DG Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	4	527297 185410
16	**Registered Radioactive Substances** Name: Royal Free Hampstead NHS Trust Location: Royal Free Hospital, Pond Street, Hampstead, LONDON, Greater London, NW3 2QG Authority: Environment Agency, Thames Region Permit Reference: AR0373 Dated: 11th July 1995 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	374	4	527302 185410
17	**Registered Radioactive Substances** Name: Anthony Nolan Trust Location: Anthony Nolan Histocompatibility Laboratories, 77b Fleet Road, Hampstead, London, Nw3 2qr Authority: Environment Agency, Thames Region Permit Reference: CB1915 Dated: 21st January 2016 Process Type: Not Supplied Description: Not Supplied **Status: Replaced** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	477	4	527442 185404
17	**Registered Radioactive Substances** Name: Anthony Nolan Trust Location: Anthony Nolan Histocompatibility Laboratories, 77b Fleet Road, Hampstead, London, Nw3 2qr Authority: Environment Agency, Thames Region Permit Reference: CB5171 Dated: 21st January 2016 Process Type: Not Supplied Description: Not Supplied **Status: Replaced** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	477	4	527442 185404
17	**Registered Radioactive Substances** Name: Anthony Nolan Trust Location: Anthony Nolan Histocompatibility Laboratories, 77b Fleet Road, Hampstead, London, Nw3 2qr Authority: Environment Agency, Thames Region Permit Reference: AB3298DT Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	477	4	527442 185404
18	**Registered Radioactive Substances** Name: Polymasc Pharmaceuticals Plc Location: Anthony Nolan Building, Royal Free Hospital Site, Fleet Road; Hampstead, LONDON, Greater London, NW3 2EZ Authority: Environment Agency, Thames Region Permit Reference: AU4924 Dated: 20th February 1996 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	578	4	527500 185495
19	**Substantiated Pollution Incident Register** Authority: Environment Agency - Thames Region, North East Area Incident Date: 23rd September 2003 Incident Reference: 191922 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A18NE (N)	968	4	527254 186101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Water Abstractions** Operator: London Borough Of Camden Licence Number: 28/39/39/0219 Permit Version: 1 Location: Swiss Cottage Open Space- Borehole Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swiss Cottage Open Space, Winchester Road, London. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	855	4	526800 184280
21	**Water Abstractions** Operator: London Borough Of Camden Licence Number: Th/039/0039/087 Permit Version: 1 Location: Swiss Cottage Open Space- Borehole Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swiss Cottage Open Space, Winchester Road, London Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th December 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	887	4	526750 184261
21	**Water Abstractions** Operator: London Borough Of Camden Licence Number: Th/039/0039/087 Permit Version: 1 Location: Swiss Cottage Open Space- Borehole Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swiss Cottage Open Space, Winchester Road, London Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th December 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	887	4	526750 184261
21	**Water Abstractions** Operator: London Borough Of Camden Licence Number: Th/039/0039/087 Permit Version: 1 Location: Swiss Cottage Open Space- Borehole Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swiss Cottage Open Space, Winchester Road, London Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th December 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	887	4	526750 184261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: Th/039/0039/058 Permit Version: 1 Location: Borehole At Barrow Hill Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (SE)	1530	4	527636 183697
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/39/0231 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (SE)	1538	4	527640 183690
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/39/0202 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (SE)	1538	4	527640 183690
	Water Abstractions Operator: Greenwich Leisure Limited Licence Number: 28/39/39/0091 Permit Version: 101 Location: Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kentish Town Sports Centre, Prince Of Wales Road, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1799	4	528800 184700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Greenwich Leisure Limited Licence Number: 28/39/39/0091 Permit Version: 101 Location: Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1799	4	528800 184700
	Water Abstractions Operator: Greenwich Leisure Ltd Licence Number: 28/39/39/0091 Permit Version: 101 Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1799	4	528800 184700
	Water Abstractions Operator: London Borough Of Camden Licence Number: 28/39/39/0091 Permit Version: 100 Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 605 Yearly Rate (m3): 76509 Details: Kentish Town Sports Centre, Prince Of Wales Road, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1799	4	528800 184700
	Water Abstractions Operator: London Borough Of Camden Licence Number: 28/39/39/0091 Permit Version: 100 Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1799	4	528800 184700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: London Borough Of Camden Licence Number: 28/39/39/0091 Permit Version: 100 Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1799	4	528800 184700
	Water Abstractions Operator: British Waterways Board Licence Number: 28/39/39/0173 Permit Version: 100 Location: Oval Road, Camden - Grand Union Regents Canal Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 7000 Details: Land At Oval Road, Camden, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th December 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1811	4	528490 184020
	Water Abstractions Operator: Canal And River Trust Licence Number: 28/39/39/0164 Permit Version: 101 Location: Southampton Bridge, London, Nw8 - Regents Canal Authority: Environment Agency, Thames Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pipeline Alongside The Regents Canal, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1819	4	528500 184020
	Water Abstractions Operator: British Waterways Board Licence Number: 28/39/39/0164 Permit Version: 100 Location: Southampton Bridge, London, Nw8 - Regents Canal Authority: Environment Agency, Thames Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3840 Yearly Rate (m3): 1 Details: Pipeline Alongside The Regents Canal, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1819	4	528500 184020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Licence Number: 28/39/39/0164B Permit Version: Not Supplied Location: Southampton Bridge, LONDON, Nw8 Authority: Environment Agency, Thames Region Abstraction: Industrial Cooling (Cegb) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 3840 Yearly Rate (m3): 1 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1831	4	528500 184000
	Water Abstractions Operator: Zoological Society Of London Licence Number: 28/39/39/0035 Permit Version: 100 Location: Borehole At Regent'S Park, London Nw1 Authority: Environment Agency, Thames Region Abstraction: Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 59 Yearly Rate (m3): 681 Details: Regent'S Park, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1959	4	528000 183400
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SW (W)	0	5	527000 185133
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SW (S)	0	5	527023 185133
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (S)	0	5	527023 185133
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A8NE (S)	451	4	527026 184652
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5204.1 Watercourse Level: Underground Permanent: True Watercourse Name: The Fountains Catchment Name: Thames Primacy: 1	A13SE (E)	156	6	527208 185127
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (NE)	582	6	527315 185663
25	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 172.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hampstead Ponds Catchment Name: Thames Primacy: 1	A18NE (N)	693	6	527233 185821
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hampstead Ponds Catchment Name: Thames Primacy: 1	A18NE (N)	866	6	527289 185984
27	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 118.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Hampstead Ponds Catchment Name: Thames Primacy: 1	A18NE (N)	882	6	527285 186003
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	981	6	527249 186116
29	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 178.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hampstead Ponds Catchment Name: Thames Primacy: 1	A18NE (N)	991	6	527245 186127

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Historical Landfill Sites** Licence Holder: Not Supplied Location: London NW6 Name: Canfield Place Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD12043 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: DON009	A12SW (W)	977	4	526075 184812
	Local Authority Landfill Coverage Name: London Borough of Camden - Has no landfill data to supply		0	7	527023 185133
31	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NE (E)	252	9	527284 185228
32	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SW (W)	257	9	526763 185029
33	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NE (E)	301	9	527347 185189
34	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A12NE (W)	410	9	526616 185296
35	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A14NW (E)	442	9	527473 185261
36	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12SE (W)	547	9	526467 184999
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1873	A18SE (NE)	544	9	527250 185654
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1873	A18NW (N)	867	9	526813 186007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Registered Waste Transfer Sites** Licence Holder: P B Donoghue Licence Reference: DL140 Site Location: BR Goods Yard at 269 Finchley Road, CAMDEN, London, NW3 Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1992 Preceded By Licence: DL140 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Lwra Cat. A = Inert Wastes Lwra Cat. Bi Gen.Non-Putresc Max.Waste Permitted By Licence-Stated Prohibited Waste: Clinical - As In Coll/Disp.Regs Of '88 Liquid/Slurry/Sludge Wastes Poisonous, Noxious, Polluting Wastes Special Wastes Waste N.O.S.	A7NW (SW)	872	4	526200 184780
39	**Registered Waste Transfer Sites** Licence Holder: P B Donoghue Licence Reference: DL140 Site Location: BR Goods Yard, 269 Finchley Road, CAMDEN, London, NW3 Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st August 1983 Preceded By Licence: Not Given Superseded By Licence: DL140 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Commercial Waste Construction Ind. Wastes Max.Waste Permitted By Licence(Stated) Prohibited Waste: Clinical Waste -Clause 2 & 4 Hsc 1982 Notifiable Wastes Putrescible Waste Special Wastes	A7NW (SW)	872	4	526200 184780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (S)	0	1	527023 185133
	BGS Estimated Soil Chemistry No data available				
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526763, 185153 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 17.60 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 55.10 mg/kg Lead Measured Concentration: 617.70 mg/kg Nickel Measured Concentration: 22.30 mg/kg	A13NW (W)	236	1	526763 185153
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527216, 185357 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.70 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 96.90 mg/kg Lead Measured Concentration: 626.10 mg/kg Nickel Measured Concentration: 27.60 mg/kg	A13NE (NE)	276	1	527216 185357
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527169, 184808 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 20.70 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 83.40 mg/kg Lead Measured Concentration: 2153.80 mg/kg Nickel Measured Concentration: 34.90 mg/kg	A13SE (SE)	325	1	527169 184808
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526703, 184701 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 32.80 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 79.00 mg/kg Lead Measured Concentration: 770.10 mg/kg Nickel Measured Concentration: 44.30 mg/kg	A8NW (SW)	516	1	526703 184701

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526732, 185657 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 40.30 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 97.40 mg/kg Lead Measured Concentration: 660.40 mg/kg Nickel Measured Concentration: 34.00 mg/kg	A18SW (NW)	567	1	526732 185657
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527233, 185694 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 31.90 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 126.40 mg/kg Lead Measured Concentration: 478.50 mg/kg Nickel Measured Concentration: 45.60 mg/kg	A18SE (N)	574	1	527233 185694
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527669, 185211 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 18.20 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 99.60 mg/kg Lead Measured Concentration: 936.90 mg/kg Nickel Measured Concentration: 25.60 mg/kg	A14NW (E)	623	1	527669 185211
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527678, 184753 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.10 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 90.00 mg/kg Lead Measured Concentration: 1533.10 mg/kg Nickel Measured Concentration: 31.00 mg/kg	A9NW (SE)	727	1	527678 184753
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526278, 185352 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 25.30 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 122.20 mg/kg Lead Measured Concentration: 273.70 mg/kg Nickel Measured Concentration: 19.50 mg/kg	A12NW (W)	749	1	526278 185352

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526344, 184653 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 47.30 mg/kg Cadmium Measured Concentration: 2.00 mg/kg Chromium Measured Concentration: 111.00 mg/kg Lead Measured Concentration: 1462.80 mg/kg Nickel Measured Concentration: 71.20 mg/kg	A7NW (SW)	810	1	526344 184653
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527207, 184291 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 13.10 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 81.00 mg/kg Lead Measured Concentration: 714.00 mg/kg Nickel Measured Concentration: 26.50 mg/kg	A8SE (S)	831	1	527207 184291
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526223, 185630 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.70 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 127.10 mg/kg Lead Measured Concentration: 514.80 mg/kg Nickel Measured Concentration: 23.20 mg/kg	A17SW (NW)	911	1	526223 185630
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 526761, 184231 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 7.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 20.70 mg/kg Lead Measured Concentration: 38.00 mg/kg Nickel Measured Concentration: 6.70 mg/kg	A8SW (S)	913	1	526761 184231
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 527766, 185717 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 14.80 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 62.40 mg/kg Lead Measured Concentration: 150.60 mg/kg Nickel Measured Concentration: 19.50 mg/kg	A19SE (NE)	924	1	527766 185717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13SW (S)	0	1	527023 185133
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	104	1	527023 185000
	Radon Potential - Radon Affected Areas 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). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	527023 185133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Contemporary Trade Directory Entries** Name: Belzier Park Service Station Location: Belzier Park Service Station, 215, Haverstock Hill, London, NW3 4QE Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	167	-	527188 185227
40	**Contemporary Trade Directory Entries** Name: B P Service Station Location: 215, Haverstock Hill, London, NW3 4QE Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	167	-	527188 185227
40	**Contemporary Trade Directory Entries** Name: Bp Location: Belzier Park Service Station, 215, Haverstock Hill, London, NW3 4QE Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	167	-	527188 185227
41	**Contemporary Trade Directory Entries** Name: Pearl & Black Location: Interchange Studios,Hampstead Town Hall Centre,321 Haverstoc, London, NW3 4QP Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	168	-	527216 185161
42	**Contemporary Trade Directory Entries** Name: Pyramid Cleaners Location: 52, Belsize Lane, London, NW3 5AR Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	191	-	526874 184984
43	**Contemporary Trade Directory Entries** Name: Camden & Islington Trust Location: 17, Lyndhurst Gardens, London, NW3 5NU Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	209	-	526829 185274
44	**Contemporary Trade Directory Entries** Name: Targus Seatrade Location: 201, Haverstock Hill, London, NW3 4QG Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	215	-	527267 185121
44	**Contemporary Trade Directory Entries** Name: Bromine & Chemicals Ltd Location: Second Floor, 201, Haverstock Hill, London, NW3 4QG Classification: Chemicals - Distributors & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	216	-	527267 185121
44	**Contemporary Trade Directory Entries** Name: Pest Control Hempstead Location: Haverstock Hill, London, NW3 4QG Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	232	-	527284 185120
44	**Contemporary Trade Directory Entries** Name: Belsize Park Carpet Cleaners Location: 197, Haverstock Hill, London, NW3 4QG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	232	-	527284 185120
44	**Contemporary Trade Directory Entries** Name: Pip Printing Location: 197, Haverstock Hill, London, NW3 4QG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	232	-	527284 185120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**Contemporary Trade Directory Entries** Name: The Master Cleaners Location: 189, Haverstock Hill, London, NW3 4QG Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	250	-	527300 185100
45	**Contemporary Trade Directory Entries** Name: Oven Cleaning Belsize Park Location: 250, Haverstock Hill, London, NW3 2AE Classification: Oven cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	216	-	527169 185319
46	**Contemporary Trade Directory Entries** Name: 47 Jours Design Location: 19, Glenloch Road, London, NW3 4DJ Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	224	-	527191 184943
47	**Contemporary Trade Directory Entries** Name: Pro Cleaners Hampstead Location: 1, Glenloch Road, London, NW3 4BX Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	268	-	527313 185063
47	**Contemporary Trade Directory Entries** Name: Perkins Location: 171, Haverstock Hill, London, NW3 4QS Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	299	-	527343 185055
47	**Contemporary Trade Directory Entries** Name: Perkins Dry Cleaners Location: 171, Haverstock Hill, London, NW3 4QS Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	299	-	527343 185055
47	**Contemporary Trade Directory Entries** Name: Cleaners St Pancras Location: 165a, Haverstock Hill, London, NW3 4QT Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	325	-	527365 185035
47	**Contemporary Trade Directory Entries** Name: Swans Location: 163, Haverstock Hill, London, NW3 4QT Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	332	-	527372 185034
47	**Contemporary Trade Directory Entries** Name: Pest Control Location: Haverstock Hill, London, NW3 4QT Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	333	-	527372 185034
48	**Contemporary Trade Directory Entries** Name: Printline Printers Location: B, 200, Haverstock Hill, London, NW3 2AG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	278	-	527329 185149
48	**Contemporary Trade Directory Entries** Name: Cleaners Belsize Park Location: 200, Haverstock Hill, London, NW3 2AG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	282	-	527333 185143
48	**Contemporary Trade Directory Entries** Name: Belsize Park Cleaners Location: 192, Haverstock Hill, London, NW3 2AJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	307	-	527358 185118

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Contemporary Trade Directory Entries** Name: Belsize Park Cleaners Location: 192, Haverstock Hill, London, NW3 2AJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	307	-	527358 185118
49	**Contemporary Trade Directory Entries** Name: Comac Motors Location: 19, Daleham Mews, London, NW3 5DB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	315	-	526770 184911
49	**Contemporary Trade Directory Entries** Name: Continental Autos Location: 10, Daleham Mews, London, NW3 5DB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	328	-	526749 184917
49	**Contemporary Trade Directory Entries** Name: Smoother You Ltd Location: 1, McCrone Mews, Belsize Lane, London, NW3 5BG Classification: Electrolysis **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	330	-	526777 184884
49	**Contemporary Trade Directory Entries** Name: Gems Dry Cleaning Co Ltd Location: 90, Belsize Lane, London, NW3 5BE Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	335	-	526784 184870
49	**Contemporary Trade Directory Entries** Name: Daily Carpet Cleaning Location: 90 Belsize Lane, London, NW3 5BE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	335	-	526784 184870
49	**Contemporary Trade Directory Entries** Name: Mr Lewis Cohens Fry Cleaning Co Location: 90, Belsize Lane, London, NW3 5BE Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	335	-	526784 184870
49	**Contemporary Trade Directory Entries** Name: J R J Motors Location: 25, Daleham Mews, London, NW3 5DB Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	336	-	526768 184884
49	**Contemporary Trade Directory Entries** Name: Auto Reliant Suspension Co Location: 25, Daleham Mews, London, NW3 5DB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	336	-	526768 184884
49	**Contemporary Trade Directory Entries** Name: Daleham Garage Location: 14, Daleham Mews, London, NW3 5DB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	343	-	526749 184894
50	**Contemporary Trade Directory Entries** Name: No1derland.Com Location: 11, Aspern Grove, LONDON, NW3 2AU Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	338	-	527356 185276
51	**Contemporary Trade Directory Entries** Name: The Royal Free Hospital & School Of Medicine Location: Royal Free Hospital, Pond Street, London, NW3 2QG Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	-	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Contemporary Trade Directory Entries** Name: The Royal Free Hospital Location: Pond Street, London, NW3 2QG Classification: Hospitals **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	371	-	527297 185410
51	**Contemporary Trade Directory Entries** Name: The Royal Free Hospital School Of Medicine Location: Royal Free Hospital, Pond Street, London, NW3 2QG Classification: Corrosion Prevention & Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	371	-	527297 185410
52	**Contemporary Trade Directory Entries** Name: Pearl & Black English Originals Location: 13, Belsize Grove, London, NW3 4UX Classification: Stationery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	377	-	527340 184878
53	**Contemporary Trade Directory Entries** Name: Chalcot House Services Location: Flat 1, 51, Belsize Park Gardens, London, NW3 4JL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	404	-	527202 184737
54	**Contemporary Trade Directory Entries** Name: T5 Oil & Gas Location: 45 Pond Street, London, NW3 2PR Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	418	-	527270 185497
55	**Contemporary Trade Directory Entries** Name: The Belsize Plumbing Co Ltd Location: 24, Belsize Grove, London, NW3 4TR Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	436	-	527399 184857
56	**Contemporary Trade Directory Entries** Name: Tenancy Cleaners London Location: 4, Shepherds Walk, London, NW3 5UE Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	438	-	526744 185512
57	**Contemporary Trade Directory Entries** Name: House Of Mistry Location: 15, South End Road, LONDON, NW3 2PT Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	450	-	527251 185547
57	**Contemporary Trade Directory Entries** Name: American Dry Cleaning Location: 29, South End Road, London, NW3 2PT Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	471	-	527235 185581
58	**Contemporary Trade Directory Entries** Name: Bloomsbury Dsp Location: 77b, Fleet Road, London, NW3 2QU Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	477	-	527442 185404
59	**Contemporary Trade Directory Entries** Name: Zapem Pest Control London Location: 26, Downside Crescent, London, NW3 2AS Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	488	-	527537 185179
59	**Contemporary Trade Directory Entries** Name: Camden Cleaners Location: 14, Lawn Road, London, NW3 2XS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	532	-	527581 185180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Contemporary Trade Directory Entries** Name: Hot Chiu Location: Garden Flat, 26, Fitzjohns Avenue, London, NW3 5NB Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	488	-	526607 184839
61	**Contemporary Trade Directory Entries** Name: Bang & Olufsen Location: 44, Rosslyn Hill, London, NW3 1NH Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	500	-	526764 185598
61	**Contemporary Trade Directory Entries** Name: Lily'S Kitchen Location: 6, Rosslyn Mews, London, NW3 1NN Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	509	-	526769 185611
61	**Contemporary Trade Directory Entries** Name: Cleaning Services Hampstead Location: 58a, Rosslyn Hill, London, NW3 1ND Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	534	-	526723 185614
61	**Contemporary Trade Directory Entries** Name: Farrow & Ball Ltd Location: 58, Rosslyn Hill, London, NW3 1ND Classification: Wallpapers & Wall Coverings **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	534	-	526723 185614
62	**Contemporary Trade Directory Entries** Name: Hampstead Cleaners Location: 63, Rosslyn Hill, London, NW3 5UQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	503	-	526714 185571
63	**Contemporary Trade Directory Entries** Name: Gayle Mcvay Location: 52, Belsize Park Gardens, London, NW3 4ND Classification: Hats & Caps - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	509	-	527379 184728
64	**Contemporary Trade Directory Entries** Name: Padma Location: Davu House, 2b, Heath Hurst Road, LONDON, NW3 2RX Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	510	-	527204 185637
64	**Contemporary Trade Directory Entries** Name: Bri-Clean Laundries Location: 57, South End Road, London, NW3 2QB Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	543	-	527188 185678
65	**Contemporary Trade Directory Entries** Name: Metro Cleaning Cameden Location: 38, South End Close, London, NW3 2RB Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	522	-	527319 185590
66	**Contemporary Trade Directory Entries** Name: Fast Cash 4 Scrap Cars London Aeg Location: 64, Rosslyn Hill, London, NW3 1ND Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	547	-	526708 185619
66	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: 80, Rosslyn Hill, London, NW3 1ND Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	565	-	526685 185626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	**Contemporary Trade Directory Entries** Name: Haywood Motors Location: A, 23, Lambolle Place, London, NW3 4PG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	549	-	527361 184663
67	**Contemporary Trade Directory Entries** Name: Belsize Motors Location: A, 23, Lambolle Place, London, NW3 4PG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	549	-	527361 184663
67	**Contemporary Trade Directory Entries** Name: J A Harnett Location: 4, Lancaster Stables, Lambolle Place, London, NW3 4PH Classification: Antiques - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	560	-	527379 184661
68	**Contemporary Trade Directory Entries** Name: Interior Couture Location: 14a, Downshire Hill, LONDON, NW3 1NR Classification: Wallpapers & Wall Coverings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	564	-	526950 185723
69	**Contemporary Trade Directory Entries** Name: Porsheworx Engineering Ltd Location: 2, Lambolle Place, London, NW3 4PD Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	565	-	527303 184607
69	**Contemporary Trade Directory Entries** Name: Autotech Hamstead Location: 3, Lambolle Place, London, NW3 4PD Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	569	-	527299 184600
69	**Contemporary Trade Directory Entries** Name: Belsize Motors Location: 3, Lambolle Place, London, NW3 4PD Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	570	-	527299 184600
69	**Contemporary Trade Directory Entries** Name: Beta Lighting Ltd Location: 19, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	577	-	527332 184610
69	**Contemporary Trade Directory Entries** Name: Rayden Location: 17, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	586	-	527326 184596
69	**Contemporary Trade Directory Entries** Name: Little & Pace Motors Location: 2-3 Eton Garages,Lambolle Pl, London, NW3 4PE Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	596	-	527346 184596
69	**Contemporary Trade Directory Entries** Name: Hmc Fleet Maintenance Centre Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	606	-	527346 184585
69	**Contemporary Trade Directory Entries** Name: Little & Pace Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	606	-	527346 184585

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**Contemporary Trade Directory Entries** Name: Little & Pace Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	606	-	527346 184585
69	**Contemporary Trade Directory Entries** Name: Mark One Motors Location: 5-6, Eton Garages, Lambolle Place, London, NW3 4PE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	615	-	527339 184570
70	**Contemporary Trade Directory Entries** Name: Cleaners Of Camden Location: 34, Primrose Gardens, London, NW3 4TN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	568	-	527485 184753
71	**Contemporary Trade Directory Entries** Name: Pauline Thomas Location: Unit 2, 32, Lawn Road, London, NW3 2XU Classification: Candle Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	575	-	527577 185362
71	**Contemporary Trade Directory Entries** Name: Back To Bed Mattress & Bed Ltd Location: Unit 2, 32, Lawn Road, London, NW3 2XU Classification: Bed & Mattress Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	575	-	527577 185362
71	**Contemporary Trade Directory Entries** Name: Ormonde Jayne Perfumery Location: Unit 1, 32, Lawn Road, London, NW3 2XU Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	575	-	527577 185362
72	**Contemporary Trade Directory Entries** Name: The Tavistock & Portman N H S Foundation Trust Location: 120 Belsize Lane, London, NW3 5BA Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	585	-	526612 184688
73	**Contemporary Trade Directory Entries** Name: Top Choice Dry Cleaners Ltd Location: 96, Fleet Road, London, NW3 2QX Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	587	-	527528 185473
73	**Contemporary Trade Directory Entries** Name: Alva Lighting Location: 4, Ella Mews, London, NW3 2NH Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	597	-	527534 185482
74	**Contemporary Trade Directory Entries** Name: Drennan & Co Location: 64, Belsize Park, London, NW3 4EH Classification: Door & Gate Operating Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	602	-	526723 184584
75	**Contemporary Trade Directory Entries** Name: Hampstead Waste Location: Flat 68, Henderson Court, 102, Fitzjohns Avenue, London, NW3 6NR Classification: Medical Waste Disposal **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	612	-	526493 185498
76	**Contemporary Trade Directory Entries** Name: Cedo Ltd Location: 32, Eton Avenue, London, NW3 3HL Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	615	-	527135 184498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Contemporary Trade Directory Entries** Name: Bevan Scaffolding Location: 14 Rutsea Lodge,South End Road, London, NW3 2QB Classification: Scaffolding & Work Platforms **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	617	-	527197 185753
78	**Contemporary Trade Directory Entries** Name: Ampersand Location: 37c, Maresfield Gardens, London, NW3 5SG Classification: Lampshade Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	620	-	526425 184896
79	**Contemporary Trade Directory Entries** Name: Radici Plastics Uk Location: 6a, Hampstead High Street, London, NW3 1PR Classification: Plaster Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	623	-	526626 185654
79	**Contemporary Trade Directory Entries** Name: Cleaners Hampstead Location: 8, Hampstead High Street, London, NW3 1PR Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	631	-	526614 185656
80	**Contemporary Trade Directory Entries** Name: Kronus (Uk) Ltd Location: 6, Park End, London, NW3 2SE Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	639	-	527263 185752
81	**Contemporary Trade Directory Entries** Name: Oven Cleaning (Hampstead) Location: 32, Downshire Hill, London, NW3 1NT Classification: Oven cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	649	-	527034 185812
82	**Contemporary Trade Directory Entries** Name: Cleaners Hampstead Location: 53, Constantine Road, London, NW3 2LP Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	651	-	527491 185613
83	**Contemporary Trade Directory Entries** Name: Clean 4 You Location: 55, Belsize Park, London, NW3 4EE Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	652	-	526650 184571
84	**Contemporary Trade Directory Entries** Name: Aderin Trading Co Location: 31, Wood Field, Parkhill Road, London, NW3 2YA Classification: Leather Merchants & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	655	-	527701 185217
85	**Contemporary Trade Directory Entries** Name: Cleaners Of Hampstead Location: 15, Hampstead High Street, London, NW3 1PX Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	665	-	526573 185667
85	**Contemporary Trade Directory Entries** Name: Cleaners Of Hampstead Location: 15, Hampstead High Street, London, NW3 1PX Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	665	-	526573 185667
86	**Contemporary Trade Directory Entries** Name: Red Grey Ltd Location: 32, Englands Lane, London, NW3 4UE Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	682	-	527522 184625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Contemporary Trade Directory Entries** Name: Allchin Pharmacy Location: 28, Englands Lane, London, NW3 4UE Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	691	-	527536 184627
87	**Contemporary Trade Directory Entries** Name: Chequers Dry Cleaners Location: 48, Englands Lane, London, NW3 4UE Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	702	-	527502 184579
87	**Contemporary Trade Directory Entries** Name: R K P Hardware D I Y Location: 51, Englands Lane, LONDON, NW3 4YD Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	729	-	527517 184557
87	**Contemporary Trade Directory Entries** Name: Chase Dry Cleaners Location: 74 Whittom,Primrose Hill Rd, London, NW3 4AB Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	731	-	527493 184534
88	**Contemporary Trade Directory Entries** Name: Cleaning Services (Belsize Park) Location: 64, Parkhill Road, London, NW3 2YT Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	712	-	527761 185189
89	**Contemporary Trade Directory Entries** Name: B C O M Location: Frazer House, 6, Netherhall Gardens, London, NW3 5RR Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	716	-	526375 184778
90	**Contemporary Trade Directory Entries** Name: Plycraft Industries Location: 7, Parkhill Road, London, NW3 2YH Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	732	-	527746 184892
91	**Contemporary Trade Directory Entries** Name: Kara Services Location: 38, Fellows Road, London, NW3 3LH Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	750	-	527417 184459
92	**Contemporary Trade Directory Entries** Name: Volvo Cars Location: 1, Northways Parade, London, NW3 5EN Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	-	526596 184482
92	**Contemporary Trade Directory Entries** Name: Kwik-Fit Location: 1, Northways Parade, London, NW3 5EN Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	-	526596 184482
92	**Contemporary Trade Directory Entries** Name: Volvo Cars London Location: 1, Northways Parade, London, NW3 5EN Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	-	526596 184482
92	**Contemporary Trade Directory Entries** Name: Speedway Location: 1, Northways Parade, London, NW3 5EN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	756	-	526596 184482

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**Contemporary Trade Directory Entries** Name: Skipwith Consulting Location: 37, Willow Road, London, NW3 1TN Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	758	-	526726 185866
94	**Contemporary Trade Directory Entries** Name: S E Ltd Location: 8, Frognal, London, NW3 6AJ Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	760	-	526253 184987
95	**Contemporary Trade Directory Entries** Name: Cincimanio Location: 60, Dunboyne Road, London, NW3 2YY Classification: Architectural Woodwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	766	-	527784 185355
95	**Contemporary Trade Directory Entries** Name: A M Location: 71, Dunboyne Road, London, NW3 2YY Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	777	-	527795 185357
96	**Contemporary Trade Directory Entries** Name: Hillsdown Holdings Ltd Location: 32, Hampstead High Street, London, NW3 1QD Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	769	-	526475 185717
96	**Contemporary Trade Directory Entries** Name: Xyz Location: 10, Flask Walk, London, NW3 1HE Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	818	-	526445 185756
97	**Contemporary Trade Directory Entries** Name: Office Cleaning Services Location: 3, Heath Street, London, NW3 6TP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	774	-	526373 185608
97	**Contemporary Trade Directory Entries** Name: Hampstead Autos Location: 28, Perrins Walk, London, NW3 6TH Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	778	-	526365 185603
97	**Contemporary Trade Directory Entries** Name: Jeeves Of Belgravia Location: 11, Heath Street, London, NW3 6TP Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	791	-	526365 185625
97	**Contemporary Trade Directory Entries** Name: Jeeves Location: 11, Heath Street, London, NW3 6TP Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	791	-	526365 185625
97	**Contemporary Trade Directory Entries** Name: Rubbish Collection Location: Heath St, London, NW3 6TP Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	794	-	526372 185640
98	**Contemporary Trade Directory Entries** Name: N W Creative Location: New College Parade, Finchley Road, London, NW3 5EP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	777	-	526536 184500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	**Contemporary Trade Directory Entries** Name: Nta Cleaning Services Location: 13, New College Parade, London, NW3 5EP Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	778	-	526502 184527
99	**Contemporary Trade Directory Entries** Name: Bp (Hampstead) Service Station Location: A, 104, Finchley Road, London, NW3 5EY Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	779	-	526471 184554
99	**Contemporary Trade Directory Entries** Name: B P Service Station Location: 104a, Finchley Road, London, NW3 5EY Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	780	-	526471 184554
100	**Contemporary Trade Directory Entries** Name: Red Spot Location: 26 Northways Parade, London, NW3 5EN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	782	-	526630 184429
100	**Contemporary Trade Directory Entries** Name: Sevenoaks Sound & Vision Ltd Location: 15, Northways Parade, London, NW3 5EN Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	782	-	526630 184429
100	**Contemporary Trade Directory Entries** Name: Gootc Ltd Location: 26, Northways Parade, London, NW3 5DN Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	783	-	526630 184429
100	**Contemporary Trade Directory Entries** Name: Trans-World Trading Ltd Location: 24, Northways Parade, London, NW3 5DN Classification: Photographic Equipment & Supplies - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	783	-	526630 184429
100	**Contemporary Trade Directory Entries** Name: Smart Choice Dry Cleaners Location: 23, Northways Parade, LONDON, NW3 5DN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	783	-	526630 184429
101	**Contemporary Trade Directory Entries** Name: Hairaway Location: 128, Finchley Road, London, NW3 5HT Classification: Electrolysis **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	784	-	526308 184759
101	**Contemporary Trade Directory Entries** Name: Wrap Nation Ltd Location: Regina House,124 Finchley Road, London, NW3 5JS Classification: Packaging Materials Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	785	-	526318 184738
101	**Contemporary Trade Directory Entries** Name: Wilkinson Freed (Veneers) Ltd Location: 124, Finchley Road, London, NW3 5HT Classification: Veneer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	785	-	526319 184738
101	**Contemporary Trade Directory Entries** Name: Gerald Wise & Co Ltd Location: 225a, Finchley Road, London, NW3 6LP Classification: Metal Industries - Primary **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	825	-	526286 184714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**Contemporary Trade Directory Entries** Name: Quicksilver Refiners Ltd Location: 225a, Finchley Road, London, NW3 6LP Classification: Metal Industries - Primary **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	825	-	526286 184714
101	**Contemporary Trade Directory Entries** Name: Colorama Location: Flat 1, 223, Finchley Road, London, NW3 6LP Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	825	-	526293 184703
102	**Contemporary Trade Directory Entries** Name: Destination Skin Location: 12, Heath Street, London, NW3 6TE Classification: Electrolysis **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	784	-	526396 185655
102	**Contemporary Trade Directory Entries** Name: Andrews Location: 22, Heath Street, London, NW3 6TE Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	803	-	526381 185666
103	**Contemporary Trade Directory Entries** Name: Custom Made Furniture Location: Barkat House, 116-118, Finchley Road, London, NW3 5HT Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	788	-	526376 184647
103	**Contemporary Trade Directory Entries** Name: Cross Weir Ltd Location: Barkat House, 116-118, Finchley Road, London, NW3 5HT Classification: Valve Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	788	-	526376 184647
103	**Contemporary Trade Directory Entries** Name: Raniar Ltd Location: Charles House 108-110, Finchley Road, London, NW3 5JJ Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	792	-	526394 184617
103	**Contemporary Trade Directory Entries** Name: Nice & Clean London Ltd Location: 110 Finchley Road, London, NW3 5JJ Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	792	-	526395 184617
104	**Contemporary Trade Directory Entries** Name: Scotts Location: Flat 15, Bray, Fellows Road, London, NW3 3JX Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	796	-	527247 184337
105	**Contemporary Trade Directory Entries** Name: Crabtree & Evelyn Location: 65, Hampstead High Street, London, NW3 1QP Classification: Toiletries **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	797	-	526422 185704
106	**Contemporary Trade Directory Entries** Name: Esso Location: Southampton Road, London, NW5 4JS Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	800	-	527842 185252
107	**Contemporary Trade Directory Entries** Name: Danico Location: 31-35, Winchester Road, London, NW3 3NR Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	811	-	526803 184325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**Contemporary Trade Directory Entries** Name: Siciliana Dry Cleaners Location: 12, Frognal Parade, London, NW3 5HH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	814	-	526213 184918
108	**Contemporary Trade Directory Entries** Name: American Wheels Location: 16, Frognal Parade, London, NW3 5HH Classification: Car Customisation & Conversion Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	814	-	526207 184939
108	**Contemporary Trade Directory Entries** Name: Clothes Clinic Location: 279a, Finchley Road, London, NW3 6LT Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	856	-	526174 184901
108	**Contemporary Trade Directory Entries** Name: Clothes Clinic Location: 279a, Finchley Road, LONDON, NW3 6LT Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	856	-	526174 184901
108	**Contemporary Trade Directory Entries** Name: Ariana Hand Laundry Location: 281a, Finchley Road, London, NW3 6ND Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	861	-	526164 184922
108	**Contemporary Trade Directory Entries** Name: Printing Works The Location: 287, Finchley Road, London, NW3 6ND Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	863	-	526157 184941
108	**Contemporary Trade Directory Entries** Name: Multiload Technology Ltd Location: 2, Rosemont Road, London, NW3 6NE Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	874	-	526145 184945
109	**Contemporary Trade Directory Entries** Name: Printing.Com Location: 3, Harben Parade, Finchley Road, London, NW3 6JP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	826	-	526586 184404
109	**Contemporary Trade Directory Entries** Name: Kall Kwik Location: 3, Harben Parade, Finchley Road, London, NW3 6JP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	826	-	526586 184404
109	**Contemporary Trade Directory Entries** Name: A K Design & Print Location: 3, Harben Parade, Finchley Road, London, NW3 6JP Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	826	-	526586 184404
110	**Contemporary Trade Directory Entries** Name: Bubbles & Light Ltd Location: 9a, Flask Walk, London, NW3 1HJ Classification: Candle Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	831	-	526436 185766
110	**Contemporary Trade Directory Entries** Name: Hampstead Cleaners Location: 5, Flask Walk, London, NW3 1HJ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	832	-	526429 185760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**Contemporary Trade Directory Entries** Name: Scrap Yard In Hampstead Htt Location: Hampstead Station, Hampstead High Street, London, NW3 1QG Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	871	-	526393 185780
111	**Contemporary Trade Directory Entries** Name: Martins Location: 11, Roderick Road, London, NW3 2NN Classification: Refrigeration Equipment - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	831	-	527799 185491
112	**Contemporary Trade Directory Entries** Name: Timberwise Uk Ltd Location: 176, Finchley Road, London, NW3 6BT Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: London Boys Scrap Yards In Hampstead Location: 176, Finchley Road, London, NW3 6BT Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: Posh Clean Uk Location: 176, Finchley Road, London, NW3 6BT Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: London Scrap Yards Hampstead Location: 176, Finchley Road, London, NW3 6BT Classification: Car Breakers & Dismantlers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: Online Plumbing Location: 176, Finchley Road, London, NW3 6BT Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: Accel Pest Control Location: 176, Finchley Road, London, NW3 6BT Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: A Professional Domestic Service Location: 176, Finchley Road, London, NW3 6BT Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	838	-	526169 185011
112	**Contemporary Trade Directory Entries** Name: 1st Damp Line Ltd Location: 176, Finchley Road, London, NW3 6BT Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	838	-	526169 185011
113	**Contemporary Trade Directory Entries** Name: Snappy Snaps Location: 189, Finchley Road, London, NW3 6LB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	838	-	526365 184581
113	**Contemporary Trade Directory Entries** Name: Robert Dyas Ltd Location: 183, Finchley Road, London, NW3 6LB Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	844	-	526368 184568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**Contemporary Trade Directory Entries** Name: H Khan Location: 17, Goldhurst Terrace, London, NW6 3HX Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	885	-	526333 184546
113	**Contemporary Trade Directory Entries** Name: Silk Dry Cleaner Location: 17, Goldhurst Terrace, London, NW6 3HX Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	885	-	526333 184546
113	**Contemporary Trade Directory Entries** Name: Silk Dry Cleaning Location: 17, Goldhurst Terrace, London, NW6 3HX Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	885	-	526333 184546
114	**Contemporary Trade Directory Entries** Name: Agfa-Digital Photosnap Ltd Location: 171, Finchley Road, London, NW3 6LB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	839	-	526419 184522
115	**Contemporary Trade Directory Entries** Name: Perkins Group Location: 40, Heath Street, London, NW3 6TE Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	846	-	526374 185724
115	**Contemporary Trade Directory Entries** Name: American Dry Cleaning Location: 47, Hampstead High Street, London, NW3 1QG Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	851	-	526400 185759
116	**Contemporary Trade Directory Entries** Name: Johnsons Cleaners Location: 199, Finchley Road, London, NW3 6NN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	846	-	526306 184644
117	**Contemporary Trade Directory Entries** Name: Remapol Location: Flat 18, Hornbeam House, Maitland Park Villas, London, NW3 2EJ Classification: Furniture - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	849	-	527890 184991
118	**Contemporary Trade Directory Entries** Name: Spotless Cleaning Location: 35, Flask Walk, London, NW3 1HH Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	850	-	526476 185825
118	**Contemporary Trade Directory Entries** Name: Hampstead Cleaners Location: 35, Flask Walk, London, NW3 1HH Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	850	-	526476 185825
119	**Contemporary Trade Directory Entries** Name: Pest Control Camden Location: 196 Malden Rd, London, NW5 4BS Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	851	-	527897 185227
120	**Contemporary Trade Directory Entries** Name: Automotive Couture Gb Ltd Location: 186, Finchley Road, London, NW3 6BX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	853	-	526151 185030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	**Contemporary Trade Directory Entries** Name: Automotive Couture Ltd Location: 186, Finchley Road, London, NW3 6BX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	854	-	526151 185030
120	**Contemporary Trade Directory Entries** Name: Fenton Pharmaceuticals Location: Unit 4, Hampstead Gate, 1a, Frognal, London, NW3 6AL Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	861	-	526140 185064
120	**Contemporary Trade Directory Entries** Name: Diamond Laundrette Location: 190, Finchley Road, London, NW3 6BX Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	861	-	526143 185037
120	**Contemporary Trade Directory Entries** Name: T & T Cleaning Services Location: 190, Finchley Road, London, NW3 6BX Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	861	-	526143 185037
120	**Contemporary Trade Directory Entries** Name: Crest Leather Location: Meridian House, 202-204, Finchley Road, London, NW3 6BX Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	871	-	526129 185080
120	**Contemporary Trade Directory Entries** Name: Crown Hides Location: Meridian House, 202-204, Finchley Road, London, NW3 6BX Classification: Leather Merchants & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	871	-	526129 185080
120	**Contemporary Trade Directory Entries** Name: Clean Line Location: 307c Finchley Rd, London, NW3 6EH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	881	-	526124 185020
121	**Contemporary Trade Directory Entries** Name: Bonsai Breakdown Location: Flat 7, Noel House, Harben Road, London, NW6 4RL Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	853	-	526510 184423
122	**Contemporary Trade Directory Entries** Name: Soap Opera The Location: 8, Winchester Road, London, NW3 3NT Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	857	-	526882 184260
123	**Contemporary Trade Directory Entries** Name: Abbas Location: 85, Haverstock Hill, London, NW3 4RL Classification: Brass & Copper Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	858	-	527792 184687
124	**Contemporary Trade Directory Entries** Name: Swan Dry Cleaners Location: 19, Lower Merton Rise, London, NW3 3RA Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	867	-	527226 184259
124	**Contemporary Trade Directory Entries** Name: Arrow Enterprises (Uk) Ltd Location: 13, Lower Merton Rise, London, NW3 3RA Classification: Chemicals & Allied Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	896	-	527235 184231

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	**Contemporary Trade Directory Entries** Name: Capacity Uk Ltd Location: 1-3, Canfield Place, London, NW6 3BT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	868	-	526251 184691
125	**Contemporary Trade Directory Entries** Name: Satellite Distribution Location: 1-3, Canfield Place, London, NW6 3BT Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	868	-	526251 184691
125	**Contemporary Trade Directory Entries** Name: Esquire Location: 6, Canfield Gardens, London, NW6 3BS Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	879	-	526255 184661
125	**Contemporary Trade Directory Entries** Name: S I H 2001 Ltd Location: London, NW6 3BS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	880	-	526254 184660
125	**Contemporary Trade Directory Entries** Name: Oil & Gas Services Group Ltd Location: 4-6, Canfield Place, London, NW6 3BT Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	895	-	526222 184685
126	**Contemporary Trade Directory Entries** Name: Finchley Road Audi Location: 279, Finchley Road, London, NW3 6LT Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (W)	870	-	526196 184795
127	**Contemporary Trade Directory Entries** Name: Home Needs Location: 301-303, Finchley Road, London, NW3 6DT Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	882	-	526128 184985
127	**Contemporary Trade Directory Entries** Name: Maximal Company Location: 301-303, Finchley Road, London, NW3 6DT Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	882	-	526128 184985
127	**Contemporary Trade Directory Entries** Name: Cleanline Location: First Floor, 307, Finchley Road, London, NW3 6EH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	898	-	526109 185007
127	**Contemporary Trade Directory Entries** Name: London Crystal Ltd Location: 307c, Finchley Road, London, NW3 6EH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	898	-	526109 185007
127	**Contemporary Trade Directory Entries** Name: Cleanline Location: 307C, Finchley Road, London, NW3 6EH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	898	-	526109 185007
127	**Contemporary Trade Directory Entries** Name: Clean Line Location: 307c, Finchley Road, London, NW3 6EH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	898	-	526109 185007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**Contemporary Trade Directory Entries** Name: Hampstead Hardware Ltd Location: 54, Heath Street, London, NW3 1DL Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	882	-	526391 185793
128	**Contemporary Trade Directory Entries** Name: Soul Revolver Location: 9, Back Lane, London, NW3 1HL Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	883	-	526425 185827
129	**Contemporary Trade Directory Entries** Name: J Crisp Location: 48, Roderick Road, London, NW3 2NL Classification: Antiques - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	888	-	527802 185604
130	**Contemporary Trade Directory Entries** Name: Perkins Dry Cleaners Location: 6, Holly Bush Vale, London, NW3 6TX Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	898	-	526343 185767
130	**Contemporary Trade Directory Entries** Name: Perkins Dry Cleaners Location: 6, Holly Bush Vale, London, NW3 6TX Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	898	-	526343 185767
131	**Contemporary Trade Directory Entries** Name: Ron'S Garage Location: 6, Rosemont Road, London, NW3 6NE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	899	-	526122 184934
131	**Contemporary Trade Directory Entries** Name: Transeuropean Logistic Services Location: Suite 4,11 Rosemont Road, London, NW3 6NG Classification: Road Haulage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	924	-	526093 184948
131	**Contemporary Trade Directory Entries** Name: R S Auto Location: 9, Rosemont Road, London, NW3 6NG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	924	-	526093 184948
131	**Contemporary Trade Directory Entries** Name: Porchetech Location: 9, Rosemont Road, London, NW3 6NG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	924	-	526093 184948
131	**Contemporary Trade Directory Entries** Name: Carmel Motors Location: 16, Rosemont Road, London, NW3 6NE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	936	-	526088 184915
131	**Contemporary Trade Directory Entries** Name: Graffiti Art Ltd Location: 16, Rosemont Road, London, NW3 6NE Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	936	-	526088 184915
131	**Contemporary Trade Directory Entries** Name: Vats It Ltd Location: 18-20, Rosemont Road, London, NW3 6NE Classification: Tanks, Vats & Cisterns **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	945	-	526079 184912

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**Contemporary Trade Directory Entries** Name: Victory Motorcycles London Location: 15, Rosemont Road, London, NW3 6NG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	964	-	526054 184936
132	**Contemporary Trade Directory Entries** Name: Browns Industrial Group Ltd Location: 75, Haverstock Hill, London, NW3 4SL Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	905	-	527831 184662
132	**Contemporary Trade Directory Entries** Name: The Ranelagh Press Location: 84, Haverstock Hill, London, NW3 2BD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	920	-	527864 184691
132	**Contemporary Trade Directory Entries** Name: Dry Cleaners Of Hampstead Location: 80, Haverstock Hill, London, NW3 2BE Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	933	-	527875 184684
133	**Contemporary Trade Directory Entries** Name: Visage Dry Cleaners Location: 171, Malden Road, London, NW5 4HT Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	909	-	527961 185137
133	**Contemporary Trade Directory Entries** Name: Kentish Town Scaffolders Location: Malden Rd, Kentish Town, London, NW5 4HT Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	932	-	527984 185133
134	**Contemporary Trade Directory Entries** Name: London Overground Rail Operations Ltd Location: 125, Finchley Road, London, NW3 6HY Classification: Railways **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	920	-	526612 184282
134	**Contemporary Trade Directory Entries** Name: Fuji Photo Film (Uk) Ltd Location: 125, Finchley Road, London, NW3 6HY Classification: Photographic Equipment & Supplies - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	920	-	526612 184282
134	**Contemporary Trade Directory Entries** Name: Swiss Cottage Dry Cleaners Location: 121, Finchley Road, London, NW3 6HY Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	927	-	526623 184270
135	**Contemporary Trade Directory Entries** Name: Best Cleaners Hampstead Location: Tanza Road, London, NW3 2UA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	940	-	527614 185890
135	**Contemporary Trade Directory Entries** Name: Jellyfish Location: C, 31, Tanza Road, London, NW3 2UA Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	955	-	527587 185930
136	**Contemporary Trade Directory Entries** Name: Robosavvy Ltd Location: 37a, Broadhurst Gardens, London, NW6 3QT Classification: Automation Systems & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	952	-	526181 184643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	**Contemporary Trade Directory Entries** Name: Auto Air & Hi-Fi Services Location: 331-335, Finchley Road, London, NW3 6EP Classification: Air Conditioning Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	526043 185075
137	**Contemporary Trade Directory Entries** Name: Autohaus Location: 331-335, Finchley Road, London, NW3 6EP Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	526043 185075
137	**Contemporary Trade Directory Entries** Name: Supershine Ltd Location: 329, Finchley Road, London, NW3 6EP Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	962	-	526038 185072
138	**Contemporary Trade Directory Entries** Name: Vape Emporium Location: 87, Heath Street, London, NW3 6UG Classification: Tobacco Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	959	-	526367 185876
139	**Contemporary Trade Directory Entries** Name: Modern Motors Ltd Location: 95, Adelaide Road, London, NW3 3XX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	968	-	527628 184339
139	**Contemporary Trade Directory Entries** Name: Modern Motors Ltd Location: 95 Adelaide Rd, London, NW3 3QB Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	968	-	527628 184339
140	**Contemporary Trade Directory Entries** Name: Natmet Ltd Location: A, 35, Lithos Road, London, NW3 6DX Classification: Metal Industries - Primary **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	991	-	526027 184936
141	**Contemporary Trade Directory Entries** Name: Fairfax Engineering Location: 1, Regency Parade, Finchley Road, London, NW3 5EQ Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166
141	**Contemporary Trade Directory Entries** Name: Medoroux Medical Ltd Location: 11, Regency Parade, Finchley Road, London, NW3 5EG Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166
141	**Contemporary Trade Directory Entries** Name: Balco Ltd Location: 8, Regency Parade, Finchley Road, London, NW3 5EG Classification: Ventilators & Ventilation Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166
141	**Contemporary Trade Directory Entries** Name: Oxyvita Ltd Location: 11, Regency Parade, Finchley Road, London, NW3 5EG Classification: Medical Instruments - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166
141	**Contemporary Trade Directory Entries** Name: Golf Doktor Location: Former 8, Regency Parade, Finchley Road, London, NW3 5EG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**Contemporary Trade Directory Entries** Name: My 1st Call Locksmith Location: 4, Regency Parade, Finchley Road, London, NW3 5EG Classification: Lock Suppliers and Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	526694 184166
142	**Fuel Station Entries** Name: Belsize Park Service Station Location: 215, Haverstock Hill , Belsize Park , London, Inner London, NW3 4QE Brand: BP Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	166	-	527187 185227
143	**Fuel Station Entries** Name: Hampstead Service Station Location: 104a, Finchley Road , Hampstead , London, Inner London, NW3 5EY Brand: BP Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	779	-	526471 184554
144	**Fuel Station Entries** Name: Court Service Station Location: 160a, Malden Road , Kentish Town , London, Inner London, NW5 4BT Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	984	-	528033 185200
145	**Points of Interest - Commercial Services** Name: Car Wash Location: Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	166	8	527187 185227
145	**Points of Interest - Commercial Services** Name: B P Car Wash Location: 215 Haverstock Hill, London, NW3 4QE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	167	8	527188 185227
146	**Points of Interest - Commercial Services** Name: Targus Seatrade Location: 201 Haverstock Hill, London, NW3 4QG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SE (E)	220	8	527272 185121
147	**Points of Interest - Commercial Services** Name: Comac Motors Location: 13 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	296	8	526773 184937
147	**Points of Interest - Commercial Services** Name: Comac Motors Location: 19 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	315	8	526770 184911
147	**Points of Interest - Commercial Services** Name: Continental Autos Location: 10 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	328	8	526749 184917
147	**Points of Interest - Commercial Services** Name: Continental Autos Location: 10 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	328	8	526749 184917

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	**Points of Interest - Commercial Services** Name: Auto Reliant Suspension Co Location: 25 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	336	8	526768 184884
147	**Points of Interest - Commercial Services** Name: J R J Motors Location: 25 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	336	8	526768 184884
147	**Points of Interest - Commercial Services** Name: Daleham Garage Location: 14 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	343	8	526749 184894
147	**Points of Interest - Commercial Services** Name: Daleham Garage Location: 14 Daleham Mews, London, NW3 5DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	343	8	526749 184894
148	**Points of Interest - Commercial Services** Name: Zapem Pest Control London Location: 26 Downside Crescent, London, NW3 2AS Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A14NW (E)	487	8	527536 185179
149	**Points of Interest - Commercial Services** Name: Haywood Motors (Fleetmead) Location: 23A Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184663
149	**Points of Interest - Commercial Services** Name: Belsize Motors Location: 23 Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184662
149	**Points of Interest - Commercial Services** Name: Haywood Motors Location: A 23 Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184663
149	**Points of Interest - Commercial Services** Name: Belsize Motors Location: A 23 Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184663
149	**Points of Interest - Commercial Services** Name: Haywood Motors Location: 23A Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184662
149	**Points of Interest - Commercial Services** Name: Belsize Motors Location: 23a Lambolle Place, London, NW3 4PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	549	8	527361 184663
150	**Points of Interest - Commercial Services** Name: Porsheworx Location: 2 Lambolle Place, London, NW3 4PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	565	8	527303 184607

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Points of Interest - Commercial Services** Name: Porsheworx Engineering Ltd Location: 2 Lambolle Place, London, NW3 4PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	565	8	527303 184607
150	**Points of Interest - Commercial Services** Name: Autotech London Ltd Location: 3 Lambolle Place, London, NW3 4PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	570	8	527299 184600
150	**Points of Interest - Commercial Services** Name: Autotech Hamstead Location: 3 Lambolle Place, London, NW3 4PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	570	8	527299 184599
150	**Points of Interest - Commercial Services** Name: Hampstead Motor Services Ltd Location: 4 Lambolle Place, London, NW3 4PD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	575	8	527295 184591
150	**Points of Interest - Commercial Services** Name: Rayden Car Repairs Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	586	8	527326 184596
150	**Points of Interest - Commercial Services** Name: Rayden Car Repairs Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	586	8	527326 184596
150	**Points of Interest - Commercial Services** Name: Rayden Car Repairs Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	586	8	527326 184596
150	**Points of Interest - Commercial Services** Name: Little & Pace Motors Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	596	8	527346 184596
150	**Points of Interest - Commercial Services** Name: Kassbet Ltd Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	601	8	527349 184592
150	**Points of Interest - Commercial Services** Name: Camden M O T Garage Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	606	8	527346 184585
150	**Points of Interest - Commercial Services** Name: Hmc Fleet Maintenance Centre Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	606	8	527346 184585
150	**Points of Interest - Commercial Services** Name: Little & Pace Motors Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	606	8	527346 184585

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Points of Interest - Commercial Services** Name: Little & Pace Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	606	8	527345 184584
150	**Points of Interest - Commercial Services** Name: Blue Team Location: 5-6 Eton Garages, Lambolle Place, London, NW3 4PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NE (SE)	620	8	527336 184562
151	**Points of Interest - Commercial Services** Name: Volvo Cars London Location: 1a Northways Parade, London, NW3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	755	8	526584 184491
151	**Points of Interest - Commercial Services** Name: Speedway Autocare Location: 1 Northways Parade, London, NW3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	756	8	526596 184482
151	**Points of Interest - Commercial Services** Name: Speedway Autocare Ltd Location: 1 Northways Parade, London, NW3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	756	8	526596 184482
151	**Points of Interest - Commercial Services** Name: Speedway Location: 1 Northways Parade, London, NW3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	756	8	526596 184482
152	**Points of Interest - Commercial Services** Name: A V Auto Locksmiths Location: 38 Willow Road, London, NW3 1TN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	758	8	526722 185864
153	**Points of Interest - Commercial Services** Name: American Wheels Location: 16 Frognal Parade, London, NW3 5HH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	814	8	526207 184939
153	**Points of Interest - Commercial Services** Name: E-numberplates Location: 176 Finchley Road, London, NW3 6BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	838	8	526169 185011
153	**Points of Interest - Commercial Services** Name: London Scrap Yards Hampstead Location: 176 Finchley Road, London, NW3 6BT Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A12SW (W)	838	8	526169 185011
154	**Points of Interest - Commercial Services** Name: Pest Control Camden Location: 196 Malden Road, London, NW5 4BS Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A14NE (E)	851	8	527897 185227
155	**Points of Interest - Commercial Services** Name: Automotive Couture UK Ltd Location: 186 Finchley Road, London, NW3 6BX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	854	8	526151 185030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	**Points of Interest - Commercial Services** Name: L T C Distribution Location: 1-3 Canfield Place, London, NW6 3BT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	868	8	526251 184691
156	**Points of Interest - Commercial Services** Name: L T C Distribution Location: 19a Canfield Place, London, NW6 3BT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	918	8	526178 184721
157	**Points of Interest - Commercial Services** Name: IMO - arc Clean Car Centres Location: O2 Centre 255, Finchley Road, London, NW3 6LU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (W)	870	8	526196 184795
157	**Points of Interest - Commercial Services** Name: IMO - arc Clean Car Centres Location: O2 Centre 255, Finchley Road, London, NW3 6LU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (W)	870	8	526196 184795
157	**Points of Interest - Commercial Services** Name: IMO - arc Clean Car Centres Location: O2 Centre 255, Finchley Road, London, NW3 6LU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (W)	871	8	526195 184795
158	**Points of Interest - Commercial Services** Name: Atton Fleet Care Ltd Location: 45 Quickswood, London, NW3 3SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	890	8	527433 184308
159	**Points of Interest - Commercial Services** Name: Browns Industrial Group Ltd Location: 75 Haverstock Hill, London, NW3 4SL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A9NE (SE)	904	8	527831 184662
159	**Points of Interest - Commercial Services** Name: Browns Industrial Group Ltd Location: 75 Haverstock Hill, London, NW3 4SL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A9NE (SE)	905	8	527831 184662
160	**Points of Interest - Commercial Services** Name: Porchetech Location: 9 Rosemont Road, London, NW3 6NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	924	8	526093 184948
160	**Points of Interest - Commercial Services** Name: Porchetech Location: 9 Rosemont Road, London, NW3 6NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	925	8	526092 184948
160	**Points of Interest - Commercial Services** Name: Transeuropean Logistic Services Location: 11 Rosemont Road, London, NW3 6NG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	929	8	526088 184946
160	**Points of Interest - Commercial Services** Name: Carmel Motors Location: 16 Rosemont Road, London, NW3 6NE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	936	8	526088 184915

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	**Points of Interest - Commercial Services** Name: Carmel Motors Location: 16 Rosemont Road, London, NW3 6NE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	936	8	526088 184915
160	**Points of Interest - Commercial Services** Name: Victory Motorcycles London Location: 15 Rosemont Road, London, NW3 6NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	964	8	526054 184936
161	**Points of Interest - Commercial Services** Name: Kar Dok Location: Regency Service Station 96, Finchley Road, London, NW3 5EL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	968	8	526690 184196
161	**Points of Interest - Commercial Services** Name: kar-dok.com Location: Regency Service Station 96, Finchley Road, London, NW3 5EL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	969	8	526689 184196
161	**Points of Interest - Commercial Services** Name: Golf Doktor Location: 96 Regency Pde, Finchley Rd, London, NW3 5EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	996	8	526693 184165
162	**Points of Interest - Commercial Services** Name: Modern Motors Ltd Location: 95 Adelaide Rd, London, NW3 3QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	968	8	527628 184339
162	**Points of Interest - Commercial Services** Name: Modern Motors Ltd Location: 95 Adelaide Road, London, NW3 3XX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	968	8	527628 184339
163	**Points of Interest - Education and Health** Name: Royal Free Hospital Location: Royal Free Hospital, Pond Street, London, NW3 2QG Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A13NE (NE)	366	8	527240 185454
163	**Points of Interest - Education and Health** Name: Eating Disorders Intensive Service Location: Royal Free Hospital, Pond Street, London, NW3 2QG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (NE)	371	8	527297 185410
163	**Points of Interest - Education and Health** Name: Royal Free Hospital Location: Royal Free Hospital, Pond Street, London, NW3 2QG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (NE)	371	8	527297 185410
163	**Points of Interest - Education and Health** Name: Royal Free Hospital Location: Royal Free Hospital, Pond Street, London, NW3 2QG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (NE)	371	8	527297 185410
163	**Points of Interest - Education and Health** Name: Royal Free Hospital Location: Royal Free Hospital, Pond Street, London, NW3 2QG Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A13NE (NE)	371	8	527297 185410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	**Points of Interest - Education and Health** Name: Daleham House Location: 5 Daleham Gardens, London, NW3 5BY Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A7NE (SW)	508	8	526684 184727
165	**Points of Interest - Manufacturing and Production** Name: Zarka Marble Ltd Location: 43 Belsize Lane, London, NW3 5AU Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A13SW (SW)	248	8	526861 184917
165	**Points of Interest - Manufacturing and Production** Name: Zarka Marble Ltd Location: 43 Belsize Lane, London, NW3 5AU Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A13SW (SW)	248	8	526861 184917
166	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	627	8	527251 185744
166	**Points of Interest - Manufacturing and Production** Name: Works Location: NW3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	627	8	527252 185744
167	**Points of Interest - Manufacturing and Production** Name: Charles House Location: 108-110 Finchley Road, London, NW3 5JJ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A7NE (SW)	792	8	526395 184617
168	**Points of Interest - Public Infrastructure** Name: BP Service Station Belsize Park Self Serve Location: Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	166	8	527187 185227
168	**Points of Interest - Public Infrastructure** Name: Belzier Park Service Station Location: Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	166	8	527187 185227
168	**Points of Interest - Public Infrastructure** Name: Belsize Park Self Serve Location: Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	166	8	527187 185227
168	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: 215 Haverstock Hill, London, NW3 4QE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	167	8	527188 185227
168	**Points of Interest - Public Infrastructure** Name: Belsize Park Self Serve Location: Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	167	8	527188 185227
169	**Points of Interest - Public Infrastructure** Name: Hampstead Police Station Location: Hampstead Police Station 26, Rosslyn Hill, London, NW3 1PD Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18SW (N)	397	8	526883 185539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	**Points of Interest - Public Infrastructure** Name: Metropolitan Police Service Hampstead Location: Hampstead Police Station 26, Rosslyn Hill, London, NW3 1PD Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18SW (N)	404	8	526866 185540
170	**Points of Interest - Public Infrastructure** Name: Hampstead Heath Rail Station Location: South End Road, NW3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18SE (NE)	526	8	527250 185634
170	**Points of Interest - Public Infrastructure** Name: Hampstead Heath Station Location: South End Road, NW3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18SE (NE)	526	8	527250 185634
171	**Points of Interest - Public Infrastructure** Name: Belsize Fire Station Location: Belsize Fire Station 36, Lancaster Grove, London, NW3 4PB Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A8NE (S)	602	8	527241 184539
172	**Points of Interest - Public Infrastructure** Name: A M Rubbish Clearance Location: 71 Dunboyne Road, London, NW3 2YY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	777	8	527795 185357
173	**Points of Interest - Public Infrastructure** Name: BP Harmony Hampstead Service Centre Location: 104a Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	779	8	526471 184554
173	**Points of Interest - Public Infrastructure** Name: BP Connect Location: 104a Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	779	8	526471 184554
173	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: 104a Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	779	8	526471 184554
173	**Points of Interest - Public Infrastructure** Name: Hampstead Service Centre Location: A 104 Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	779	8	526471 184554
173	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: 104a Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	780	8	526471 184554
173	**Points of Interest - Public Infrastructure** Name: Hampstead Service Station Location: 104a Finchley Road, London, NW3 5EY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	780	8	526471 184554
174	**Points of Interest - Public Infrastructure** Name: Sluice Location: NW3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	859	8	527235 185993

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	**Points of Interest - Public Infrastructure** Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	929	8	526249 185702
175	**Points of Interest - Public Infrastructure** Name: Grave Yard Location: NW3 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	935	8	526241 185701
176	**Points of Interest - Public Infrastructure** Name: Finchley Road & Frognal Rail Station Location: Finchley Road, NW3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SW (W)	957	8	526047 185026
176	**Points of Interest - Public Infrastructure** Name: Finchley Road and Frognal Station Location: Finchley Road, NW3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SW (W)	957	8	526047 185026
177	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	555	8	527351 185607
177	**Points of Interest - Recreational and Environmental** Name: Playground Location: St Crispins Close, NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	556	8	527351 185608
178	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	657	8	527689 184963
178	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: Fountain Mews, NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	657	8	527689 184963
178	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	658	8	527702 185026
179	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	770	8	527238 184362
179	**Points of Interest - Recreational and Environmental** Name: Playground Location: Fellows Road, NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	771	8	527238 184361
180	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Parkhill Road, NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	828	8	527837 184859

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	829	8	527837 184858
181	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	853	8	526804 184281
181	**Points of Interest - Recreational and Environmental** Name: Playground Location: Avenue Road, NW3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SW (S)	896	8	526777 184244
182	**Points of Interest - Recreational and Environmental** Name: Playground Location: Harben Road, NW6 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7SE (SW)	889	8	526479 184402
182	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	896	8	526477 184395
183	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Broadhurst Gardens, NW6 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NW (SW)	978	8	526127 184687
183	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	993	8	526110 184688
184	**Underground Electrical Cables** Unique Feature Identifier: 264253 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13SW (SW)	216	9	526887 184938
185	**Underground Electrical Cables** Unique Feature Identifier: 265545 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13SW (SW)	217	9	526886 184937
186	**Underground Electrical Cables** Unique Feature Identifier: 265525 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13SW (SW)	218	9	526888 184934
187	**Underground Electrical Cables** Unique Feature Identifier: 265403 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A13SW (SW)	218	9	526894 184930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	**Underground Electrical Cables** Unique Feature Identifier: 265405 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A12NE (W)	343	9	526675 185263
189	**Underground Electrical Cables** Unique Feature Identifier: 265547 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A12NE (W)	345	9	526673 185263
190	**Underground Electrical Cables** Unique Feature Identifier: 265402 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8NW (S)	480	9	526846 184659
191	**Underground Electrical Cables** Unique Feature Identifier: 265524 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8NW (S)	482	9	526845 184657
192	**Underground Electrical Cables** Unique Feature Identifier: 265406 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SW (NW)	525	9	526715 185598
193	**Underground Electrical Cables** Unique Feature Identifier: 265526 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A18SW (NW)	530	9	526708 185599
194	**Underground Electrical Cables** Unique Feature Identifier: 264471 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8SW (S)	736	9	526775 184412
195	**Underground Electrical Cables** Unique Feature Identifier: 265401 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8SW (S)	740	9	526779 184406
196	**Underground Electrical Cables** Unique Feature Identifier: 265523 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8SW (S)	770	9	526799 184368
197	**Underground Electrical Cables** Unique Feature Identifier: 265400 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A8SW (S)	773	9	526803 184365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	**Underground Electrical Cables** Unique Feature Identifier: 265404 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A17NE (NW)	867	9	526671 185961
199	**Underground Electrical Cables** Unique Feature Identifier: 265528 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A17NE (NW)	872	9	526674 185967
200	**Underground Electrical Cables** Unique Feature Identifier: 262732 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9SW (SE)	898	9	527519 184348
201	**Underground Electrical Cables** Unique Feature Identifier: 266016 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9SW (SE)	898	9	527519 184347
202	**Underground Electrical Cables** Unique Feature Identifier: 266073 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9SW (SE)	903	9	527519 184341
203	**Underground Electrical Cables** Unique Feature Identifier: 263002 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9SW (SE)	904	9	527519 184341
204	**Underground Electrical Cables** Unique Feature Identifier: 266074 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9SW (SE)	912	9	527518 184330
205	**Underground Electrical Cables** Unique Feature Identifier: 263003 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9SW (SE)	913	9	527518 184330
206	**Underground Electrical Cables** Unique Feature Identifier: 262733 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9SW (SE)	929	9	527518 184310
207	**Underground Electrical Cables** Unique Feature Identifier: 266017 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9SW (SE)	930	9	527518 184310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	**Underground Electrical Cables** Unique Feature Identifier: 263077 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9SE (SE)	965	9	527714 184417
209	**Underground Electrical Cables** Unique Feature Identifier: 266481 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9SE (SE)	966	9	527714 184416
210	**Underground Electrical Cables** Unique Feature Identifier: 266072 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9NE (SE)	972	9	527788 184485
211	**Underground Electrical Cables** Unique Feature Identifier: 263001 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9NE (SE)	973	9	527788 184485
212	**Underground Electrical Cables** Unique Feature Identifier: 266071 Cable Status: Commissioned Cable Type: Pilot (Communication) Record Last Updated: 4th June 2013	A9NE (SE)	985	9	527898 184617
213	**Underground Electrical Cables** Unique Feature Identifier: 263000 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 15th August 2014	A9NE (SE)	986	9	527898 184616

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	**Local Nature Reserves** Name: Belsize Wood Multiple Area: N Area (m2): 2722.99 Source: Natural England Designation Date: 1st October 2004	A14NW (E)	440	10	527479 185232
215	**Local Nature Reserves** Name: Adelaide Multiple Area: N Area (m2): 2767.76 Source: Natural England Designation Date: Not Supplied	A9SW (SE)	951	10	527576 184321

Data Suppliers

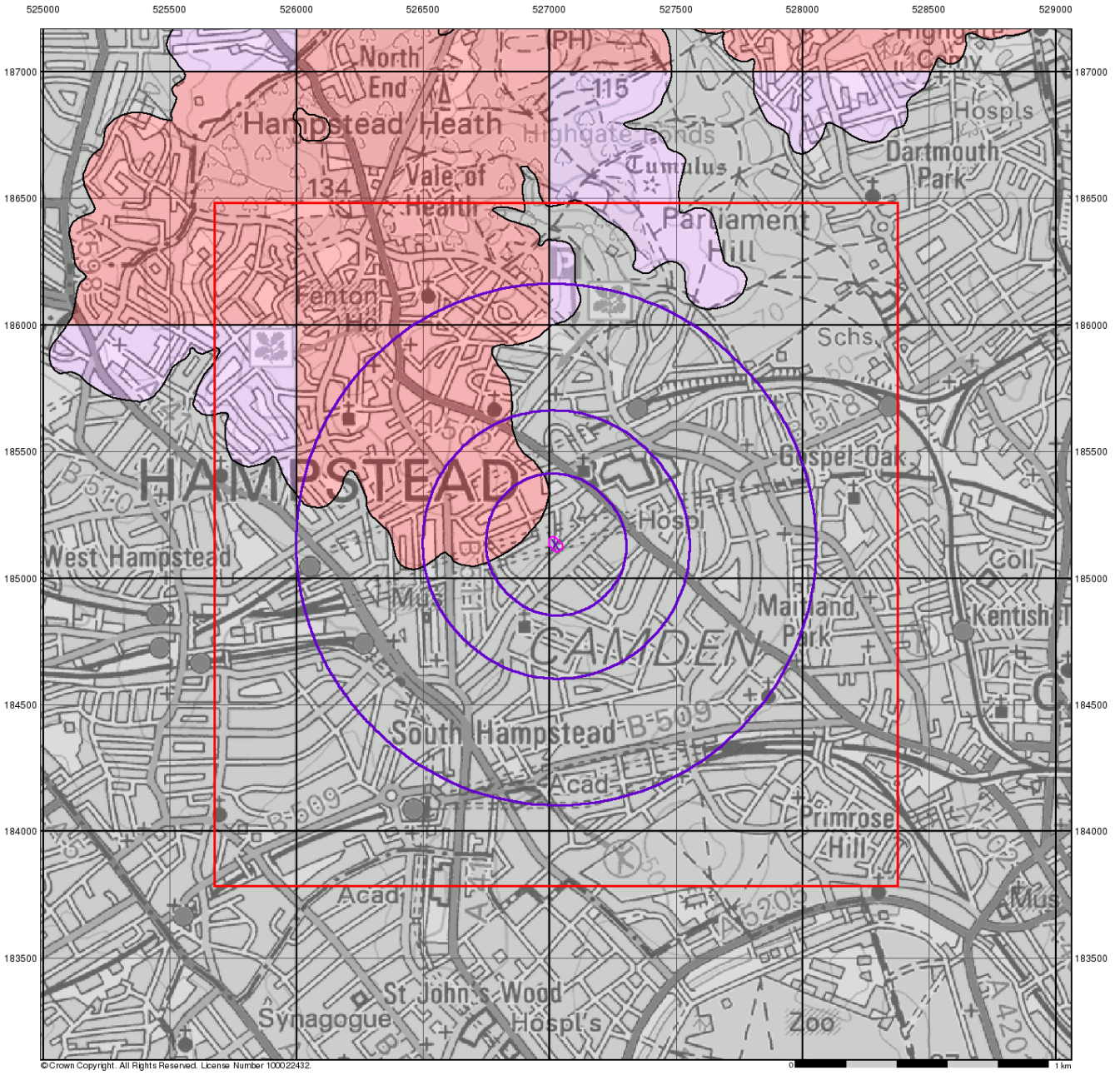
A selection of organisations who provide data within this report

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	
Peter Brett Associates	

Useful Contacts

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

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



GEA

Groundwater Vulnerability

General

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

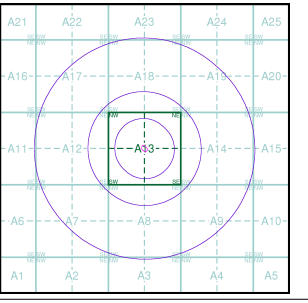
Agency and Hydrological

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



Order Details

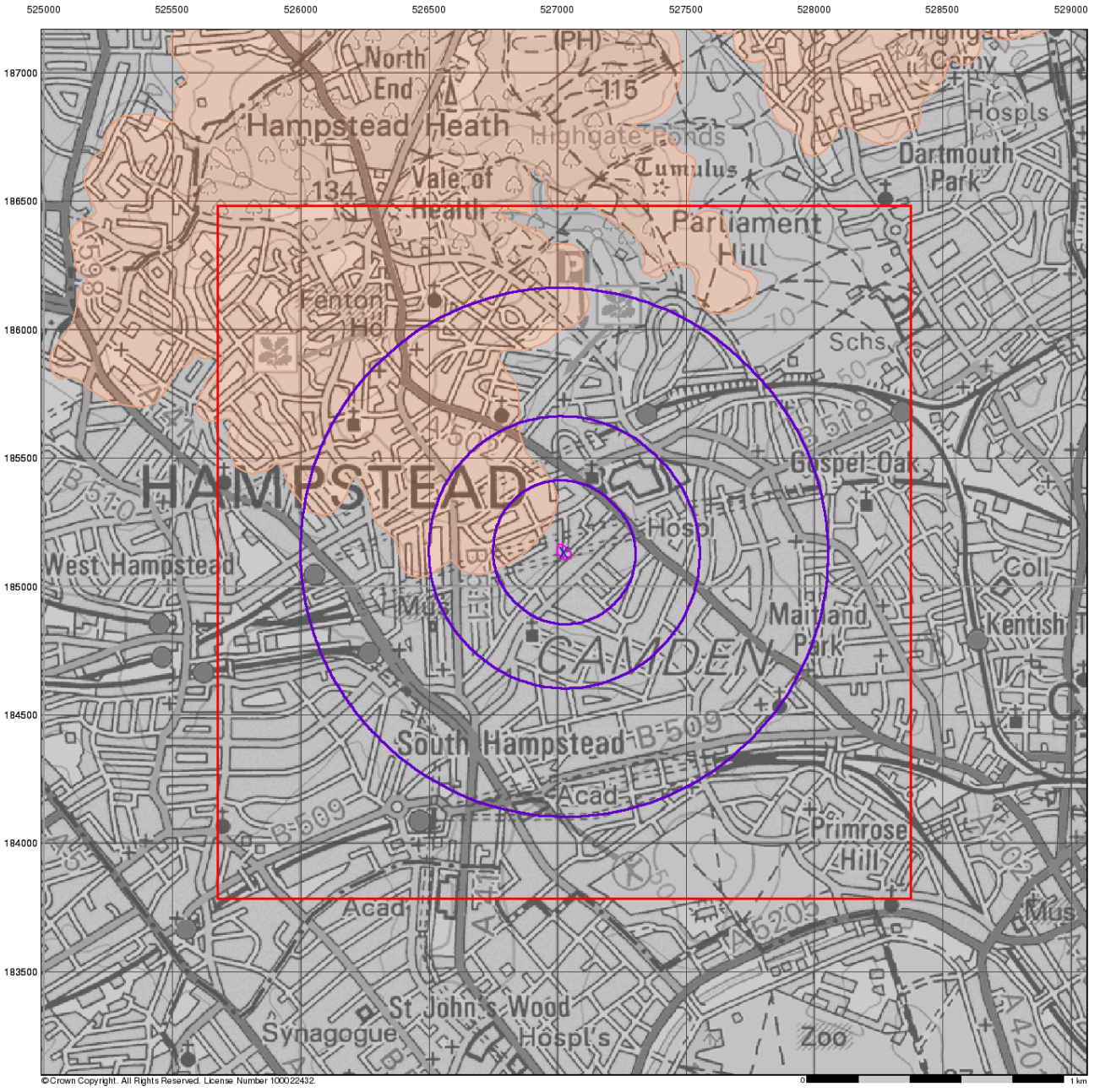
Order Number:	218619509_1_1
Customer Ref:	J19259
National Grid Reference:	527020, 185130
Slice:	A
Site Area (Ha):	0.23
Search Buffer (m):	1000

Site Details

40, Ornan Road, LONDON, NW3 4QB

Landmark INFORMATION GROUP

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



GEA

Bedrock Aquifer Designation

General

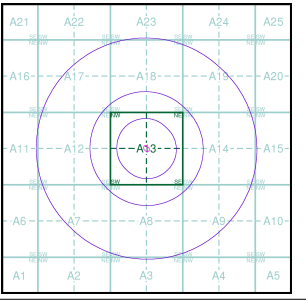
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

Order Number:	218619509_1_1
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Site Area (Ha):	0.23
Search Buffer (m):	1000

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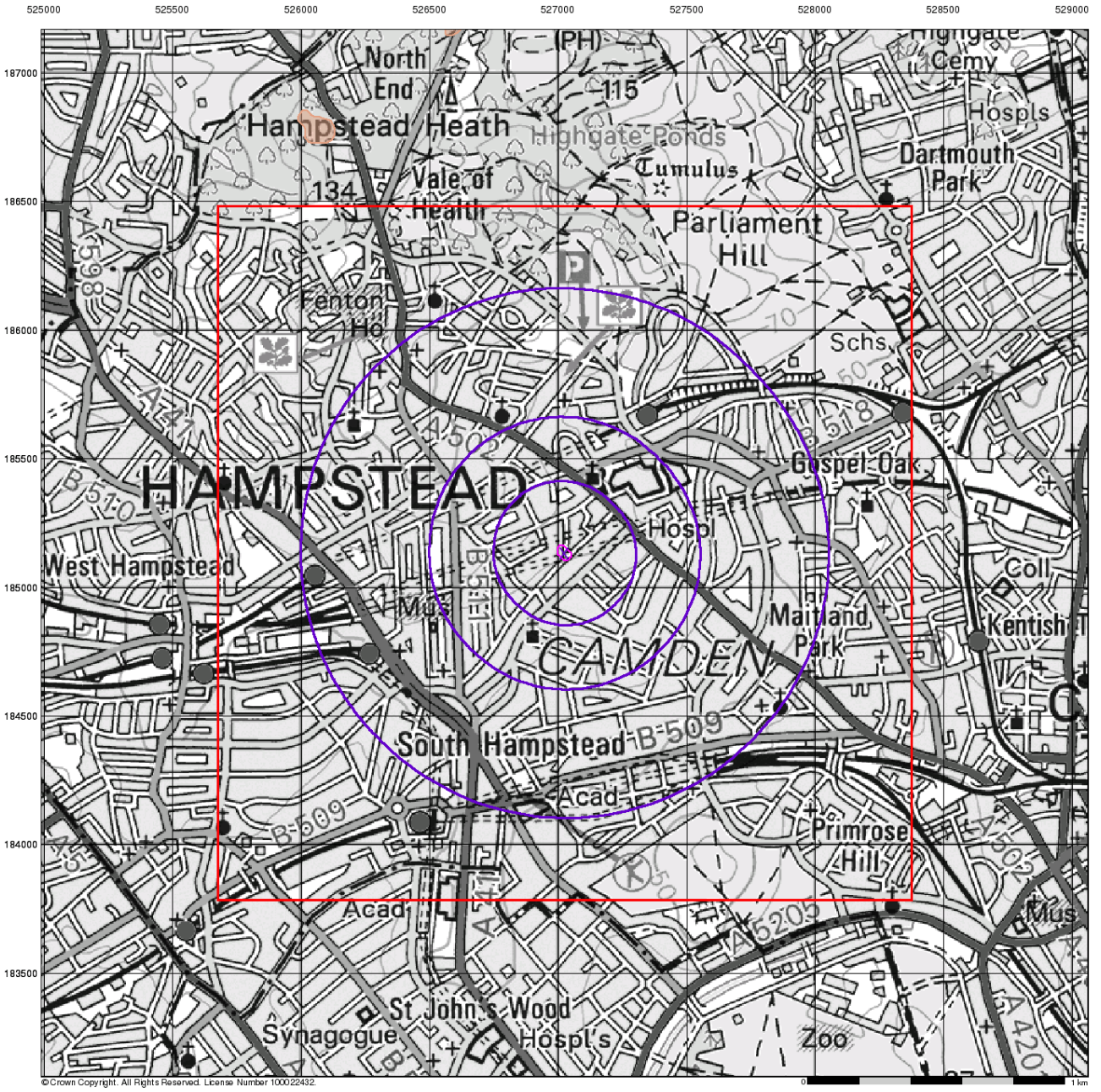


GEA

Superficial Aquifer Designation

General

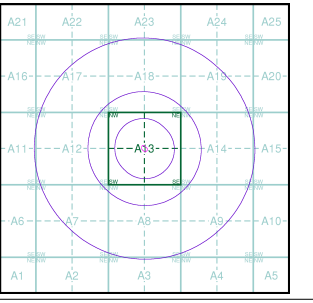
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



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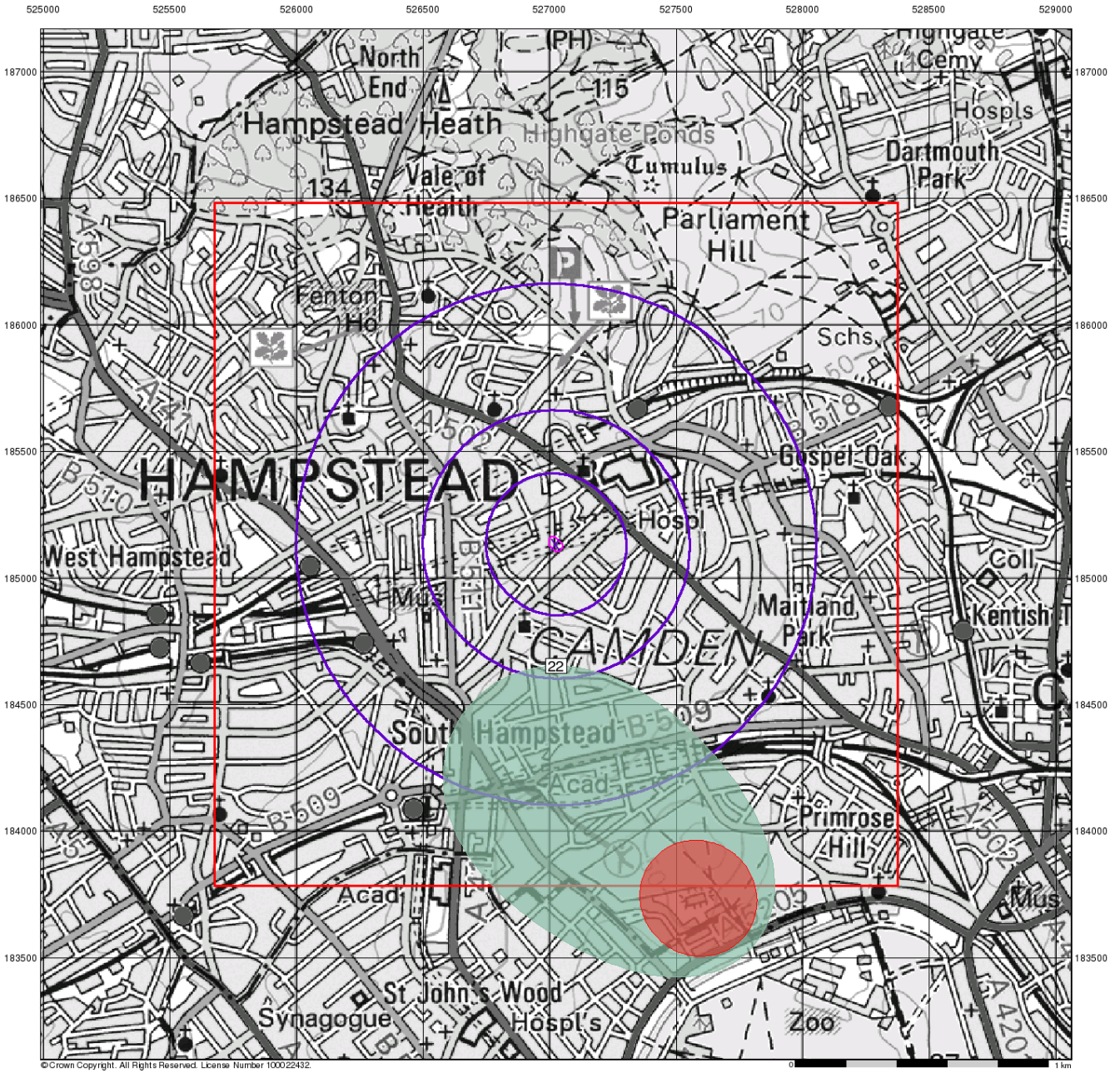


GEA

Source Protection Zones

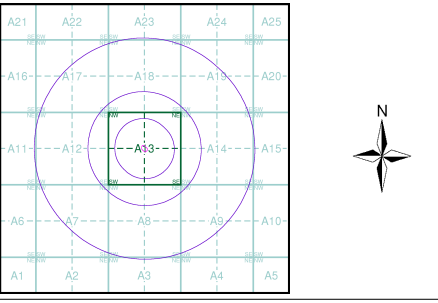
General

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



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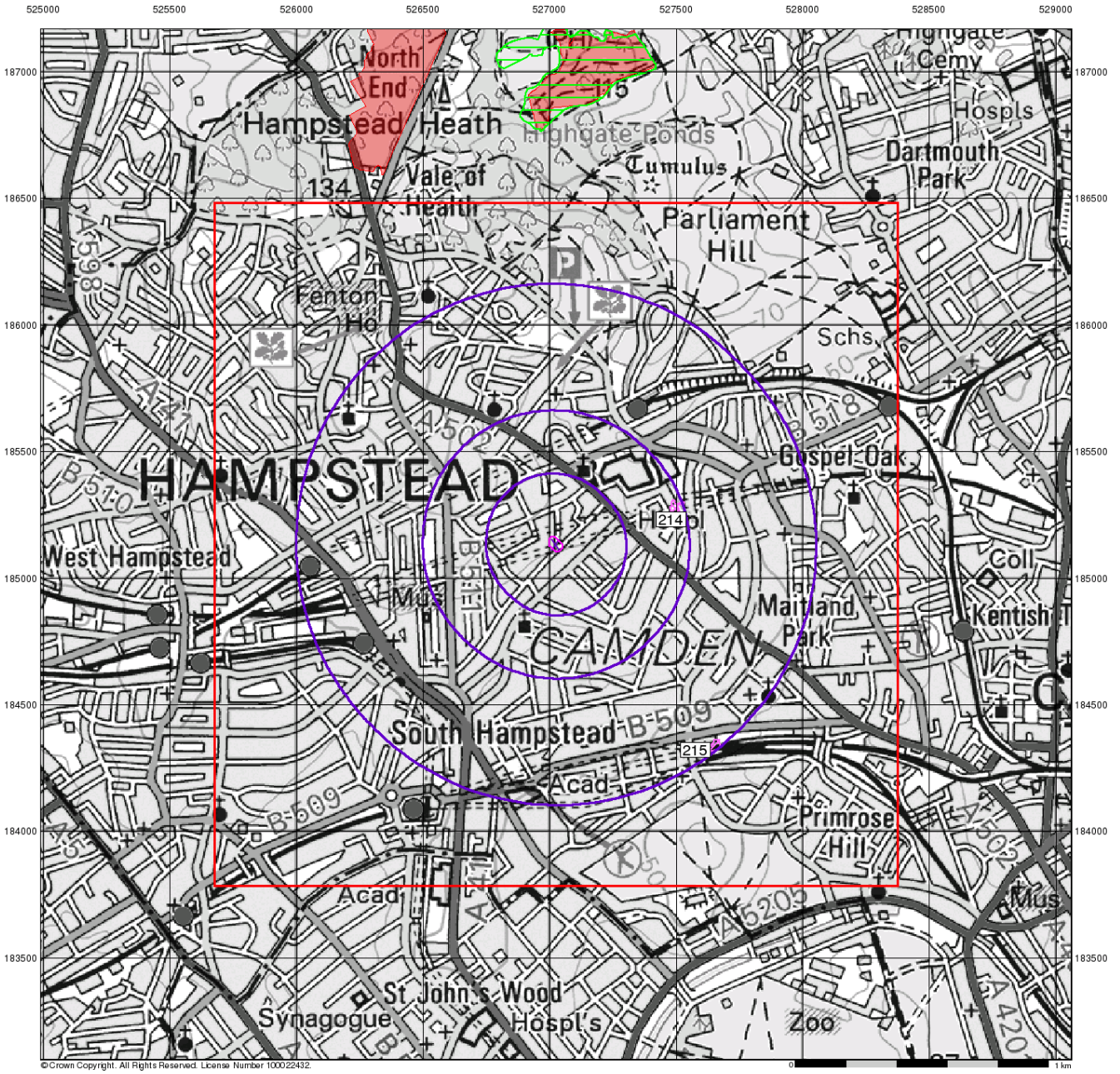


GEA

Sensitive Land Uses

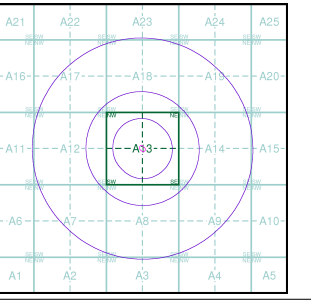
General

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



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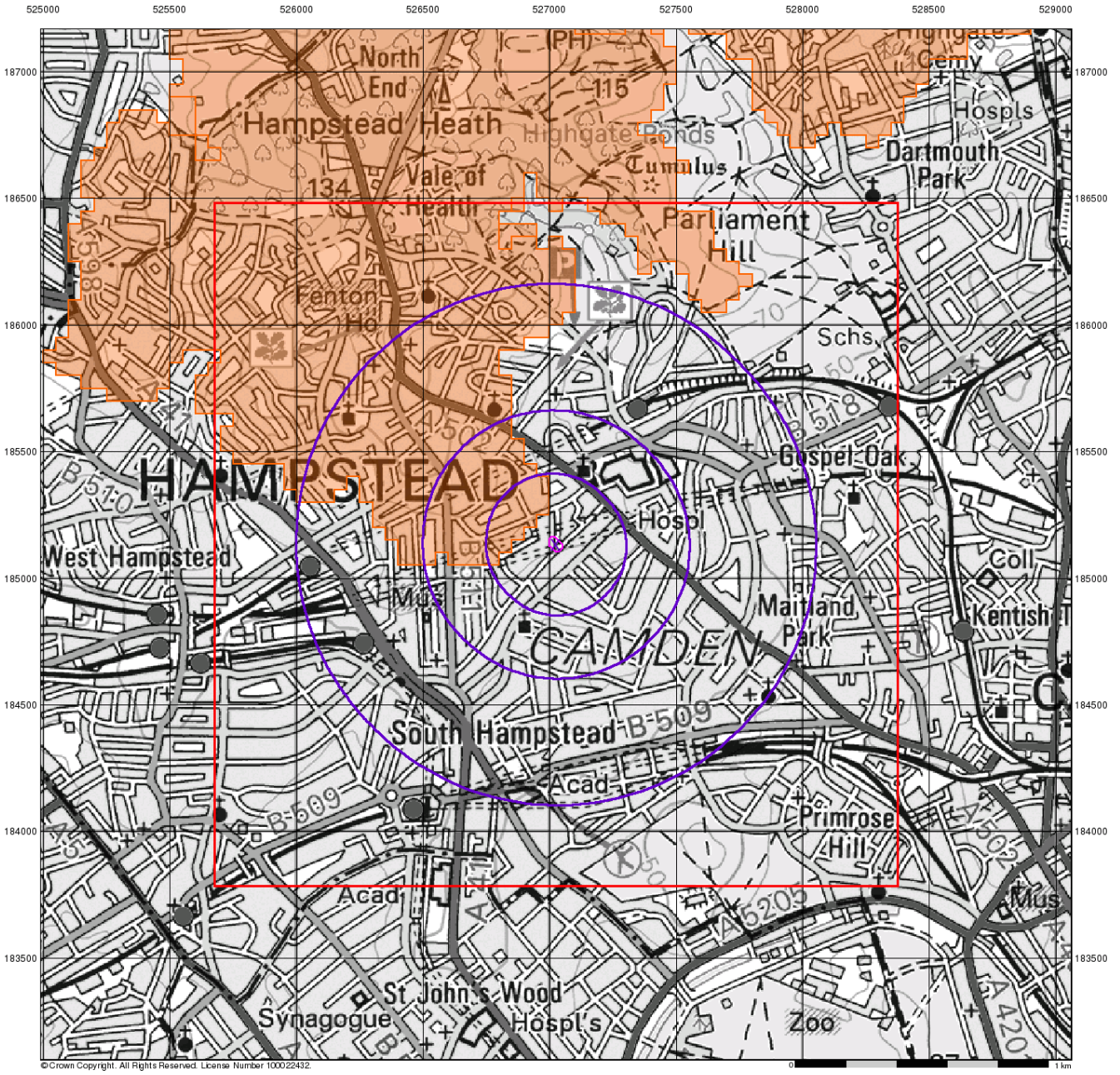


GEA

BGS Flood GFS Data

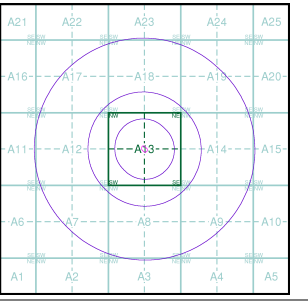
General

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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Site Details

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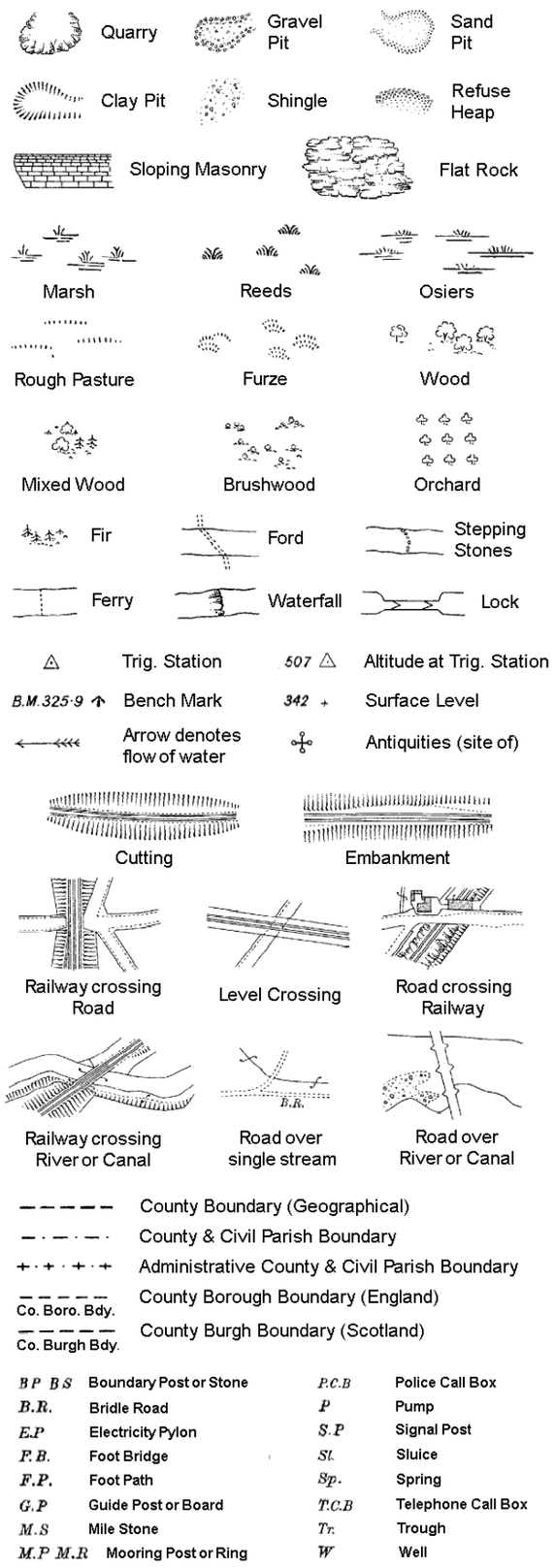
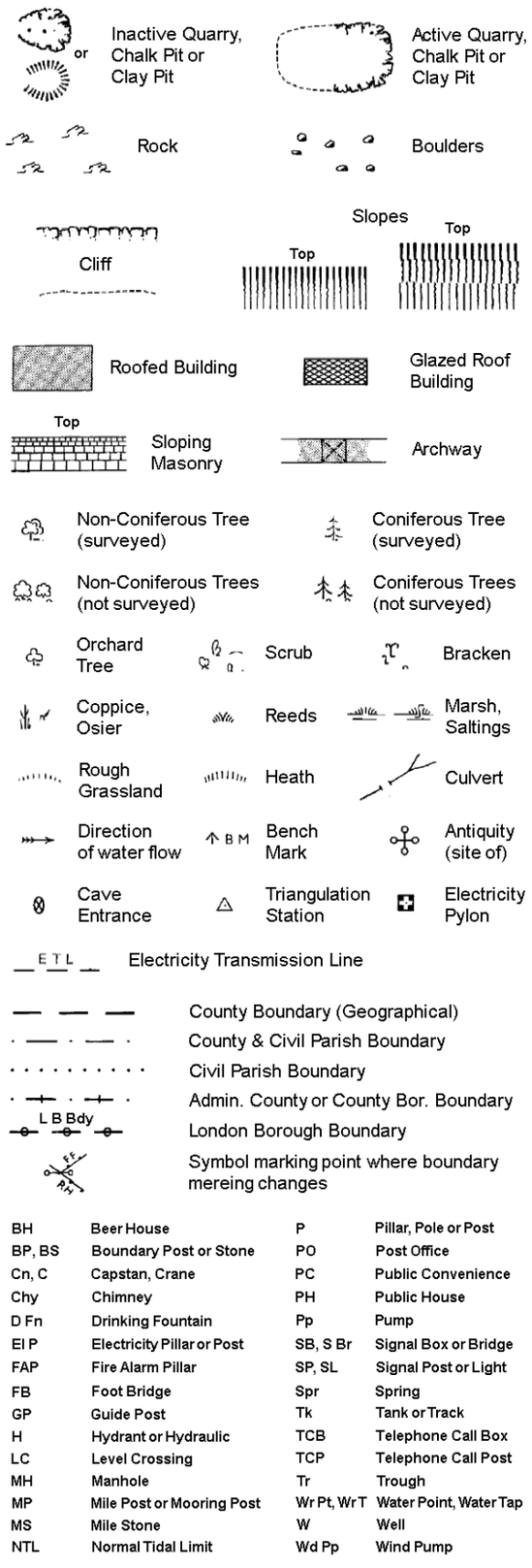
Historical Mapping Legends

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



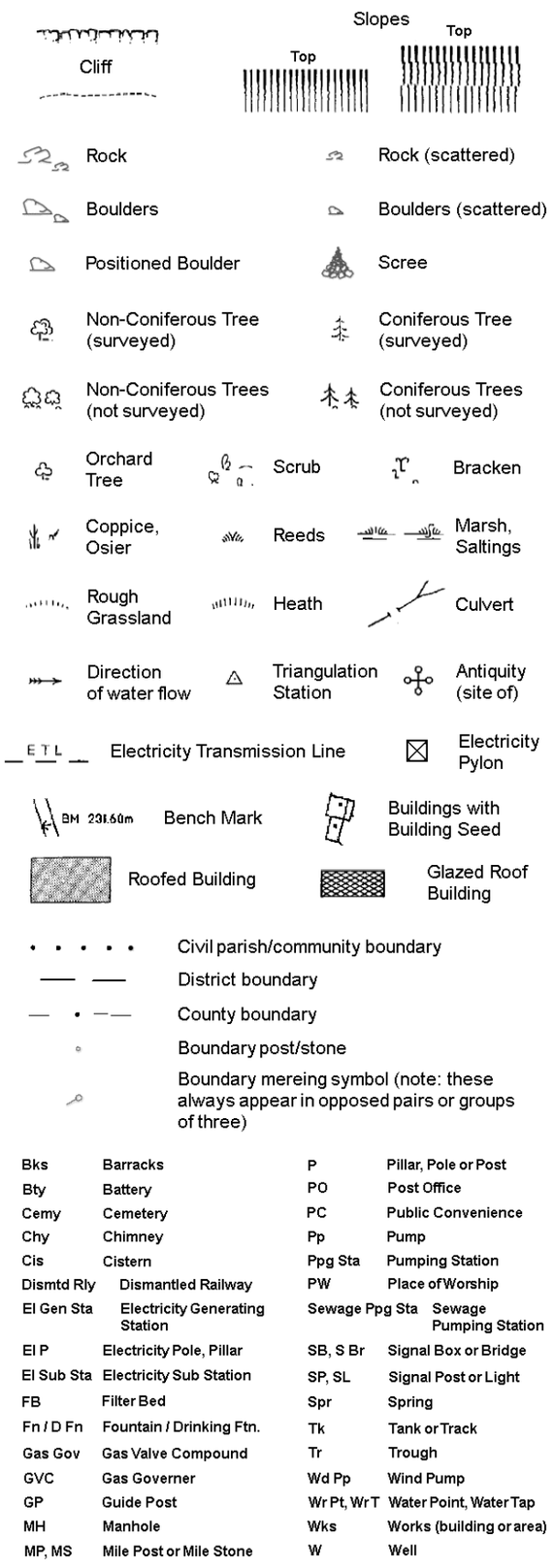
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



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

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



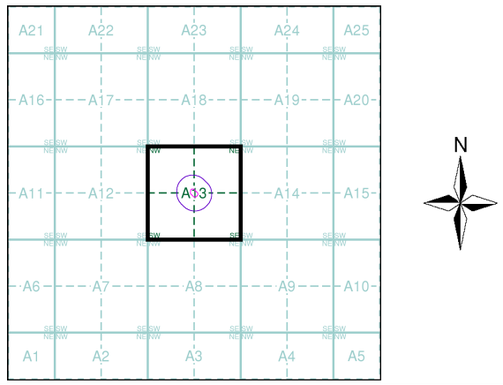
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

GEA

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:2,500	1864	2
London	1:2,500	1871 - 1879	3
London	1:2,500	1896	4
London	1:2,500	1915	5
London	1:2,500	1934 - 1935	6
Historical Aerial Photography	1:1,250	1946	7
Ordnance Survey Plan	1:1,250	1954	8
Ordnance Survey Plan	1:2,500	1954 - 1955	9
Ordnance Survey Plan	1:1,250	1966 - 1969	10
Ordnance Survey Plan	1:2,500	1970	11
Ordnance Survey Plan	1:1,250	1974 - 1979	12
Supply of Unpublished Survey Information	1:1,250	1974	13
Additional SIMs	1:1,250	1985 - 1990	14
Additional SIMs	1:1,250	1989	15
Large-Scale National Grid Data	1:1,250	1991	16
Large-Scale National Grid Data	1:1,250	1992 - 1994	17
Historical Aerial Photography	1:2,500	1999	18

Historical Map - Segment A13



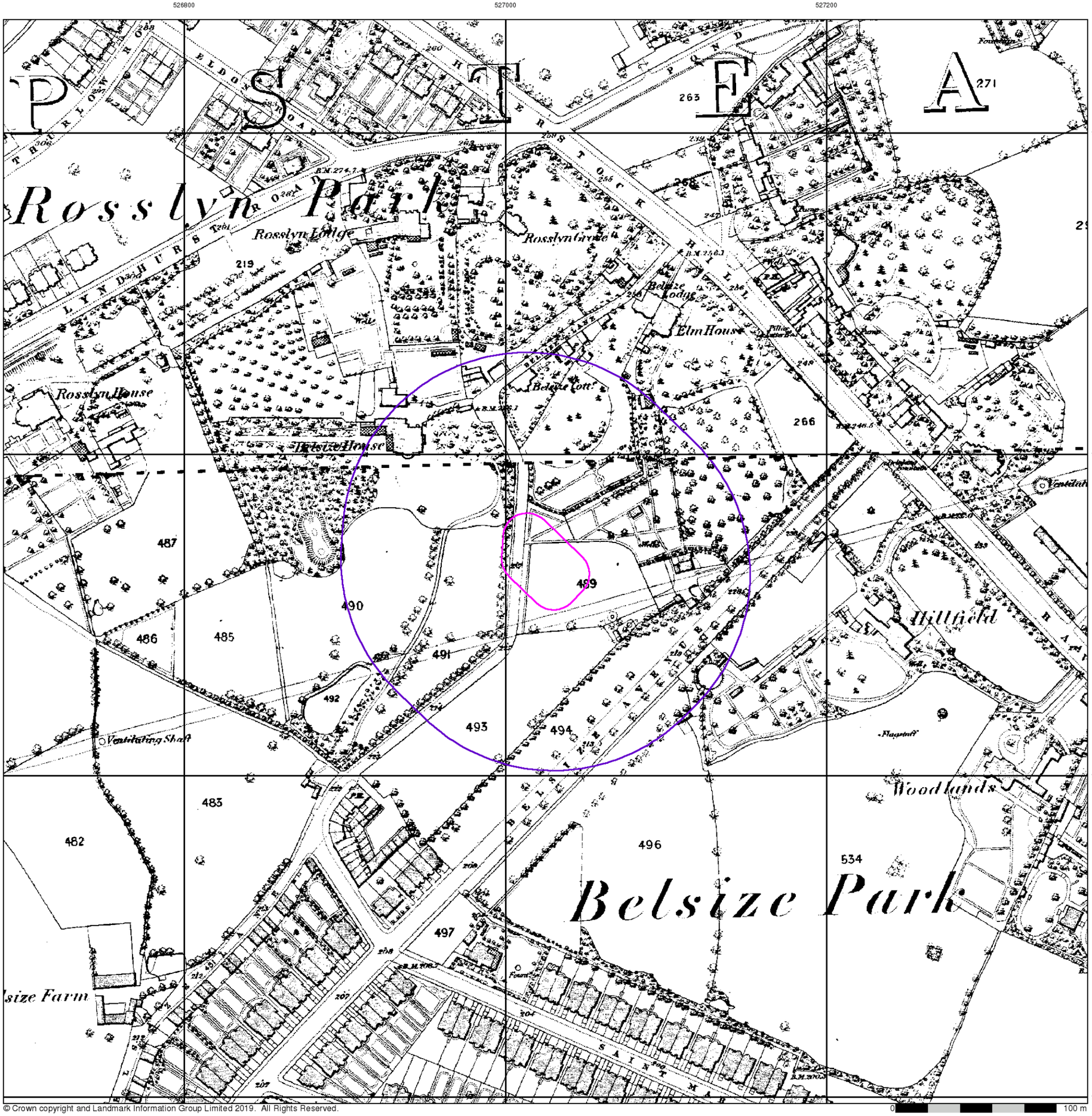
Order Details

Order Number: 218619509_1_1
Customer Ref: J19259
National Grid Reference: 527020, 185130
Slice: A
Site Area (Ha): 0.23
Search Buffer (m): 100

Site Details

40, Ornan Road, LONDON, NW3 4QB

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



GEA

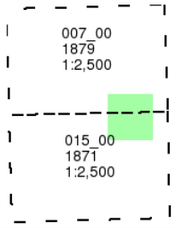
London

Published 1871 - 1879

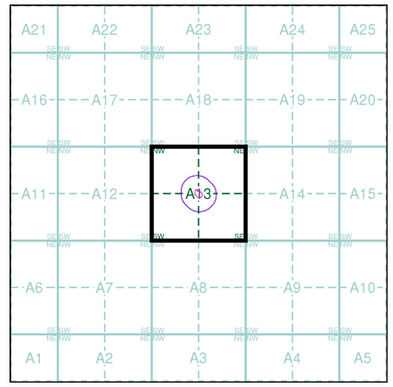
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Slice:	A
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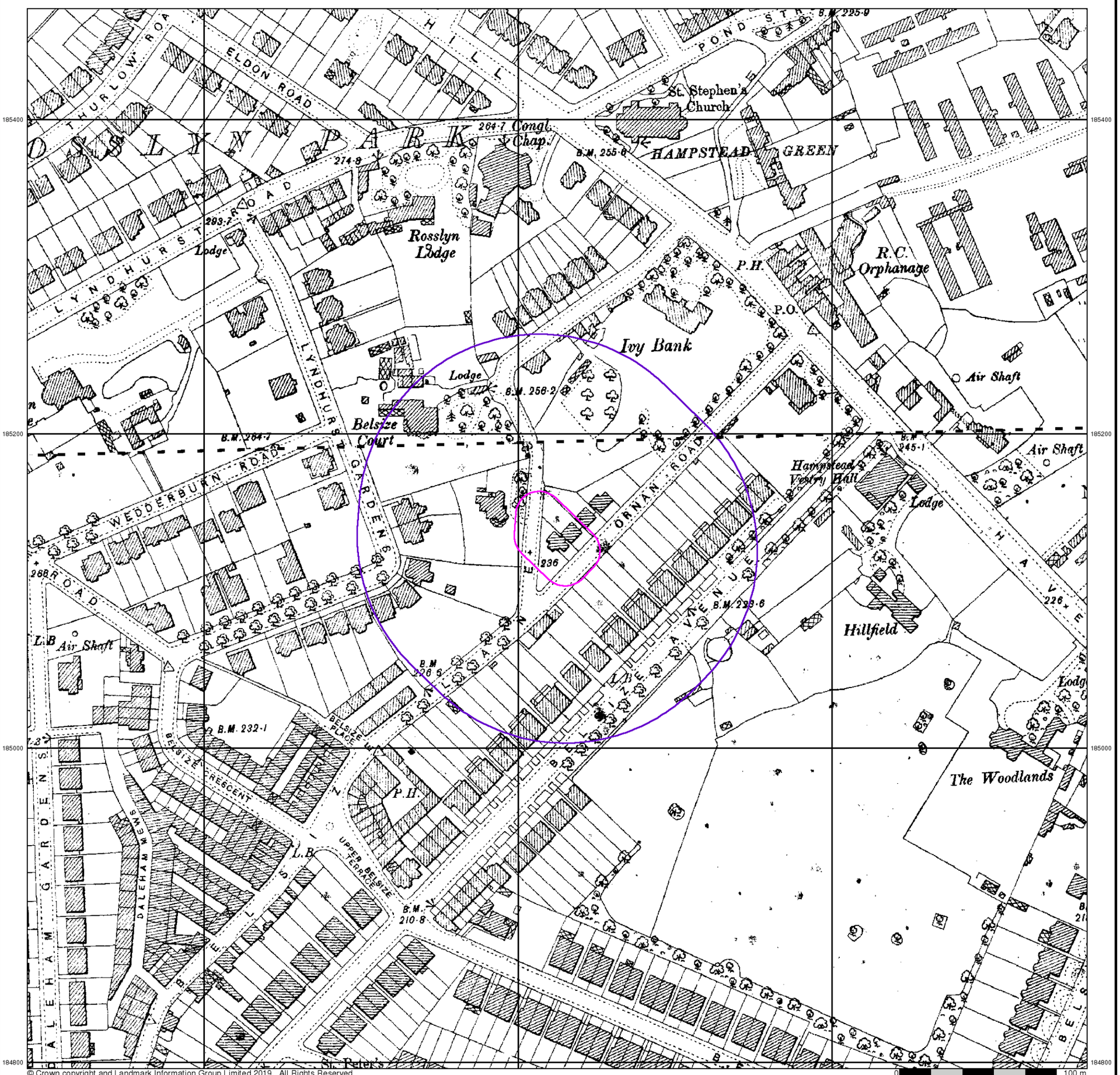


GEA

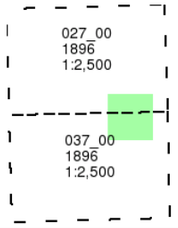
London

Published 1896

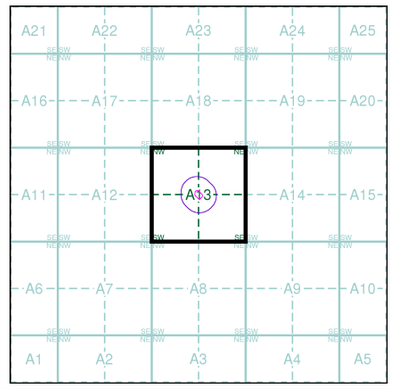
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Slice:	A
Site Area (Ha):	0.23
Search Buffer (m):	100

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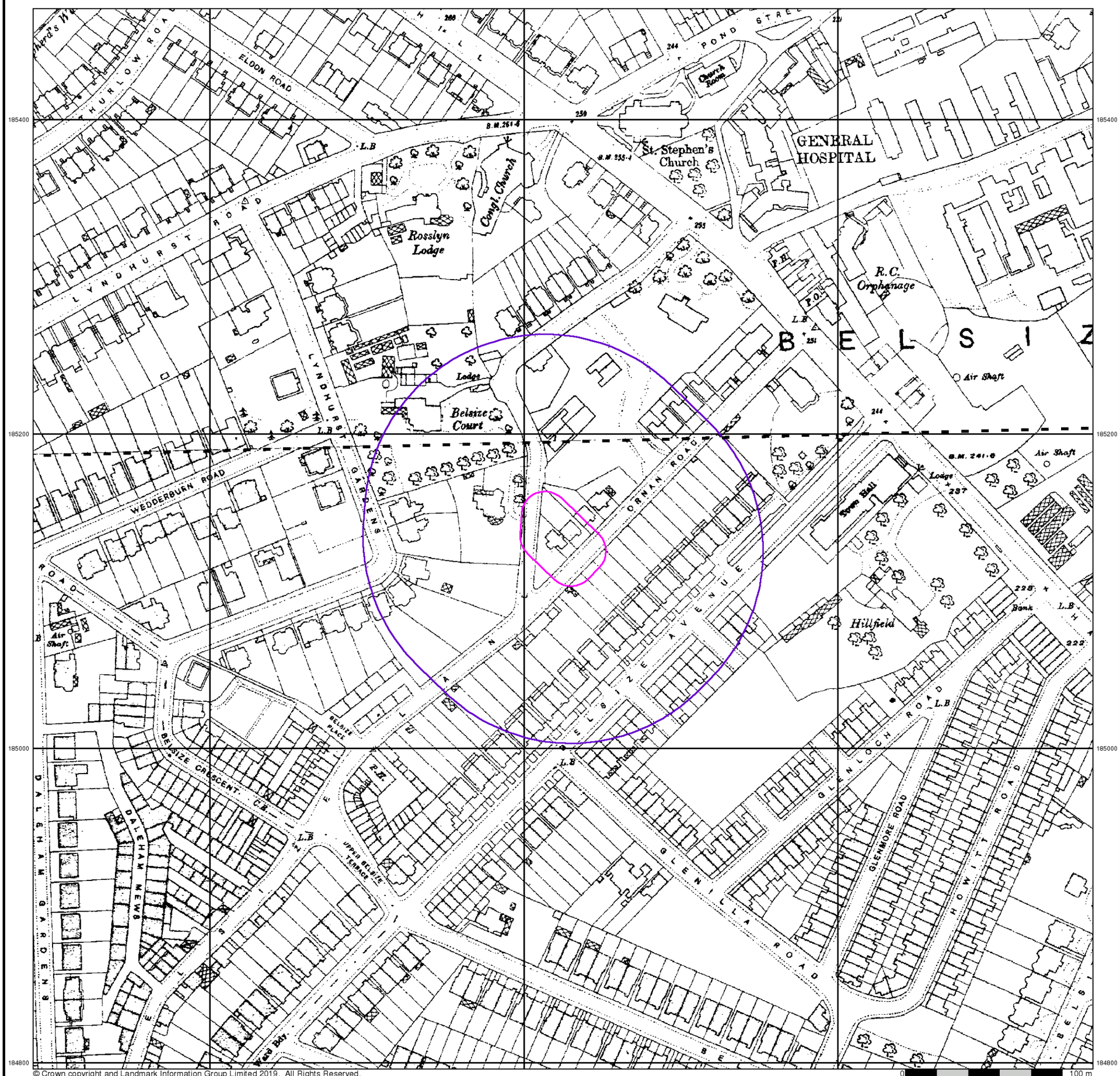


GEA

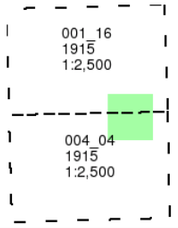
London

Published 1915

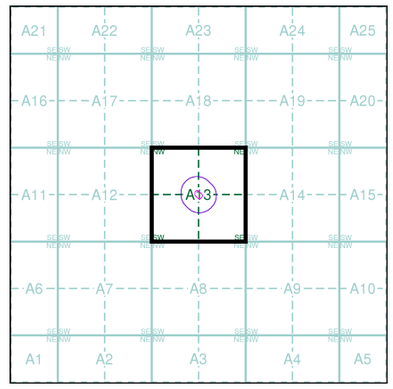
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



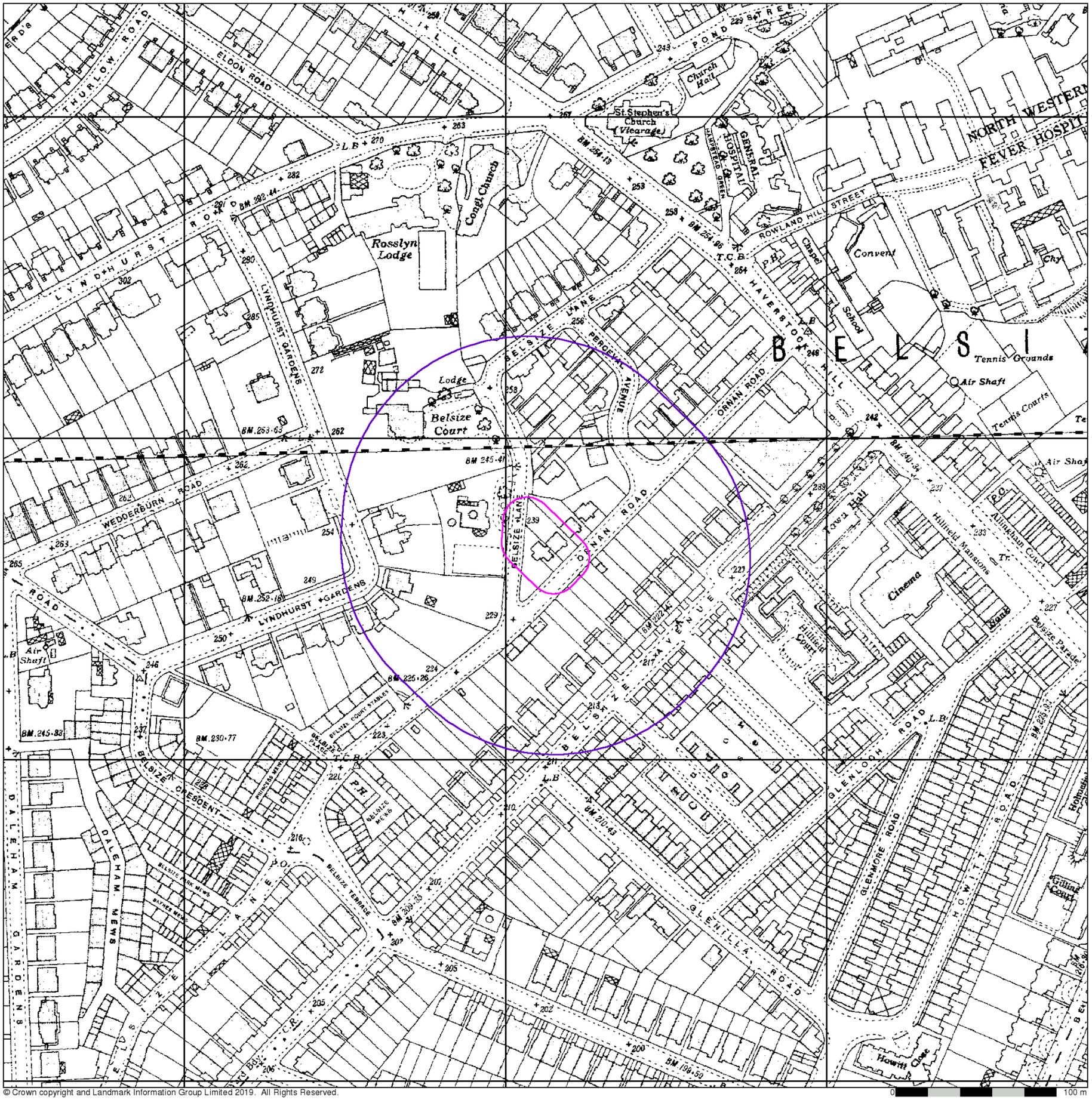
Order Details

Order Number:	218619509_1_1
Customer Ref:	J19259
National Grid Reference:	527020, 185130
Slice:	A
Site Area (Ha):	0.23
Search Buffer (m):	100

Site Details

40, Ornan Road, LONDON, NW3 4QB

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



GEA

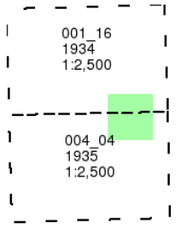
London

Published 1934 - 1935

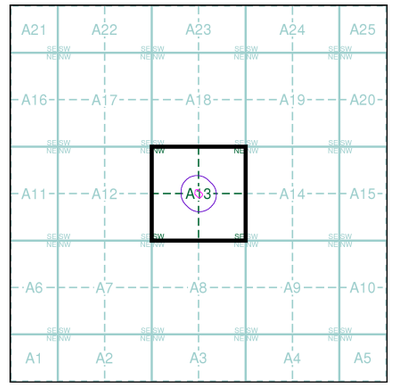
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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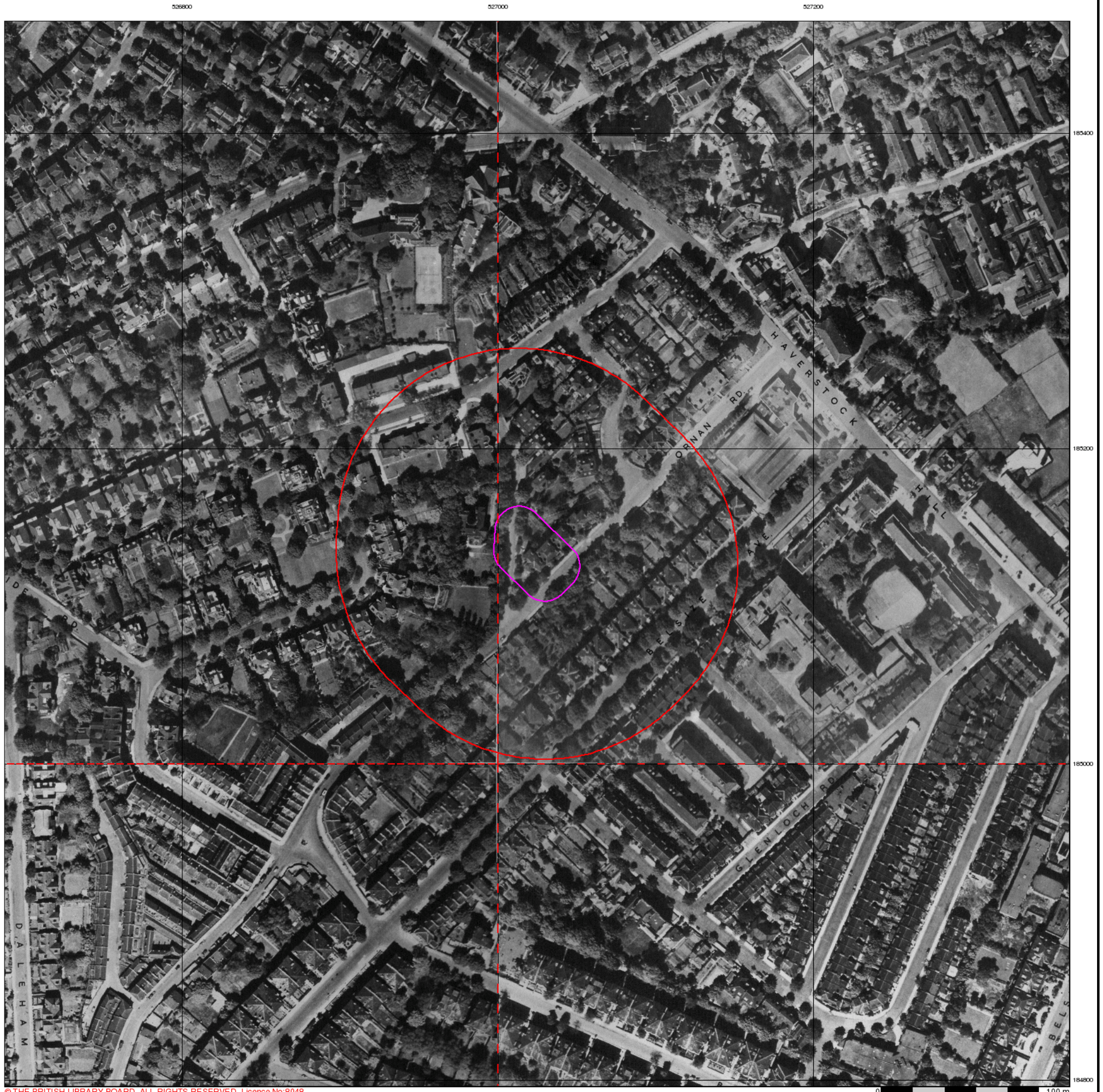


GEA

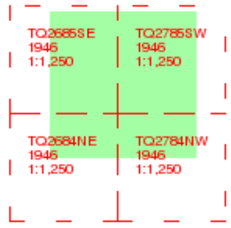
Historical Aerial Photography

Published 1946

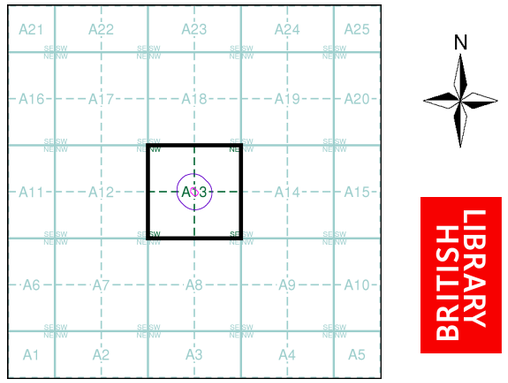
Source map scale - 1:1,250

The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



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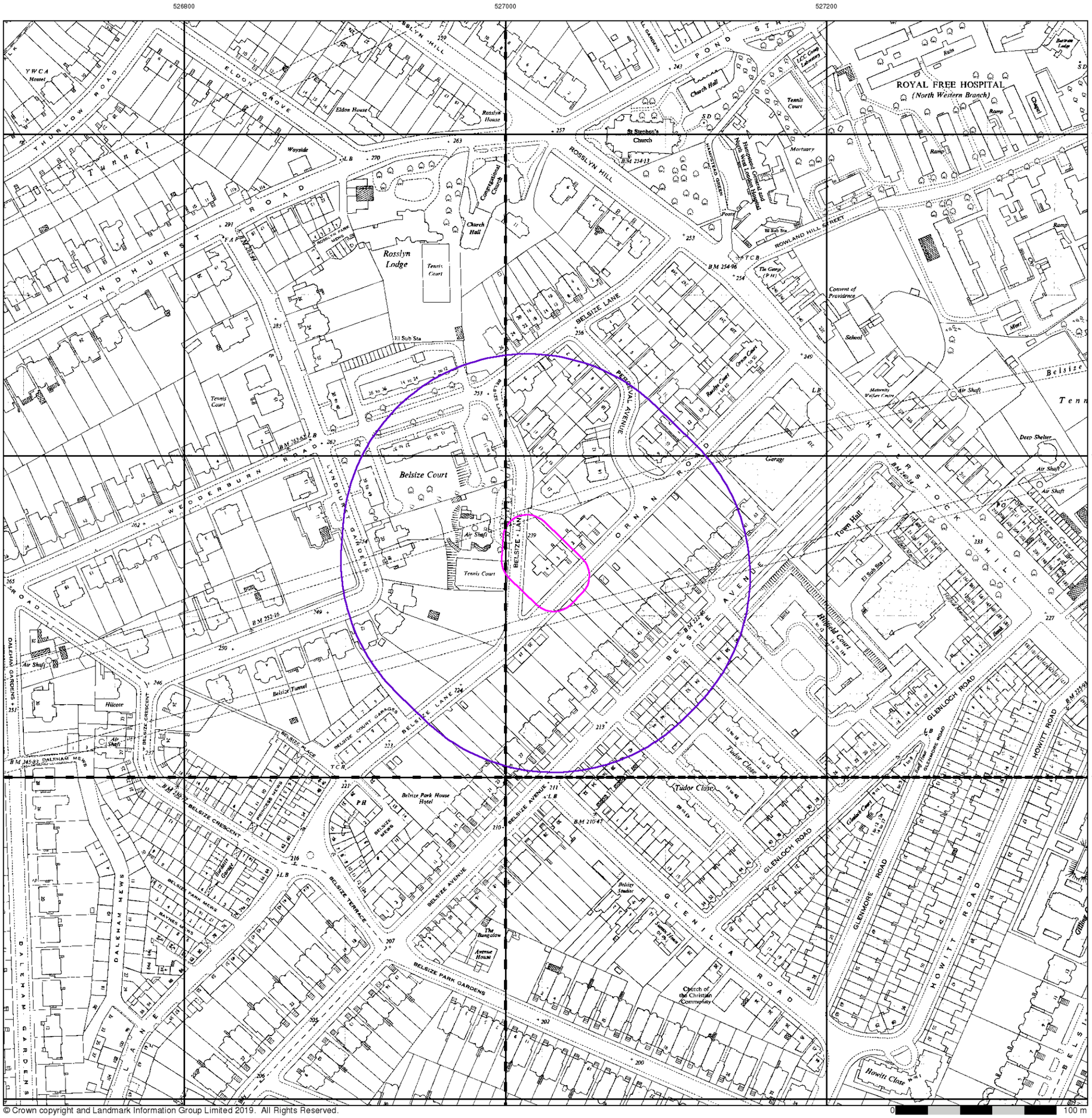

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Ordnance Survey Plan

Published 1954

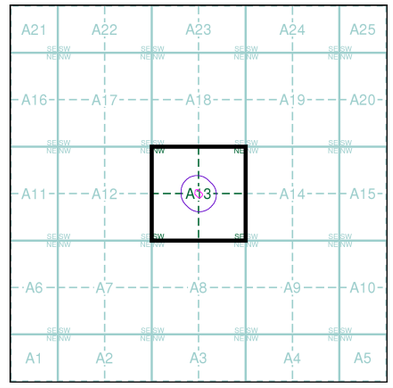
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

TQ2685SE 1954 1:1,250	TQ2785SW 1954 1:1,250
TQ2684NE 1954 1:1,250	TQ2784NW 1954 1:1,250

Historical Map - Segment A13



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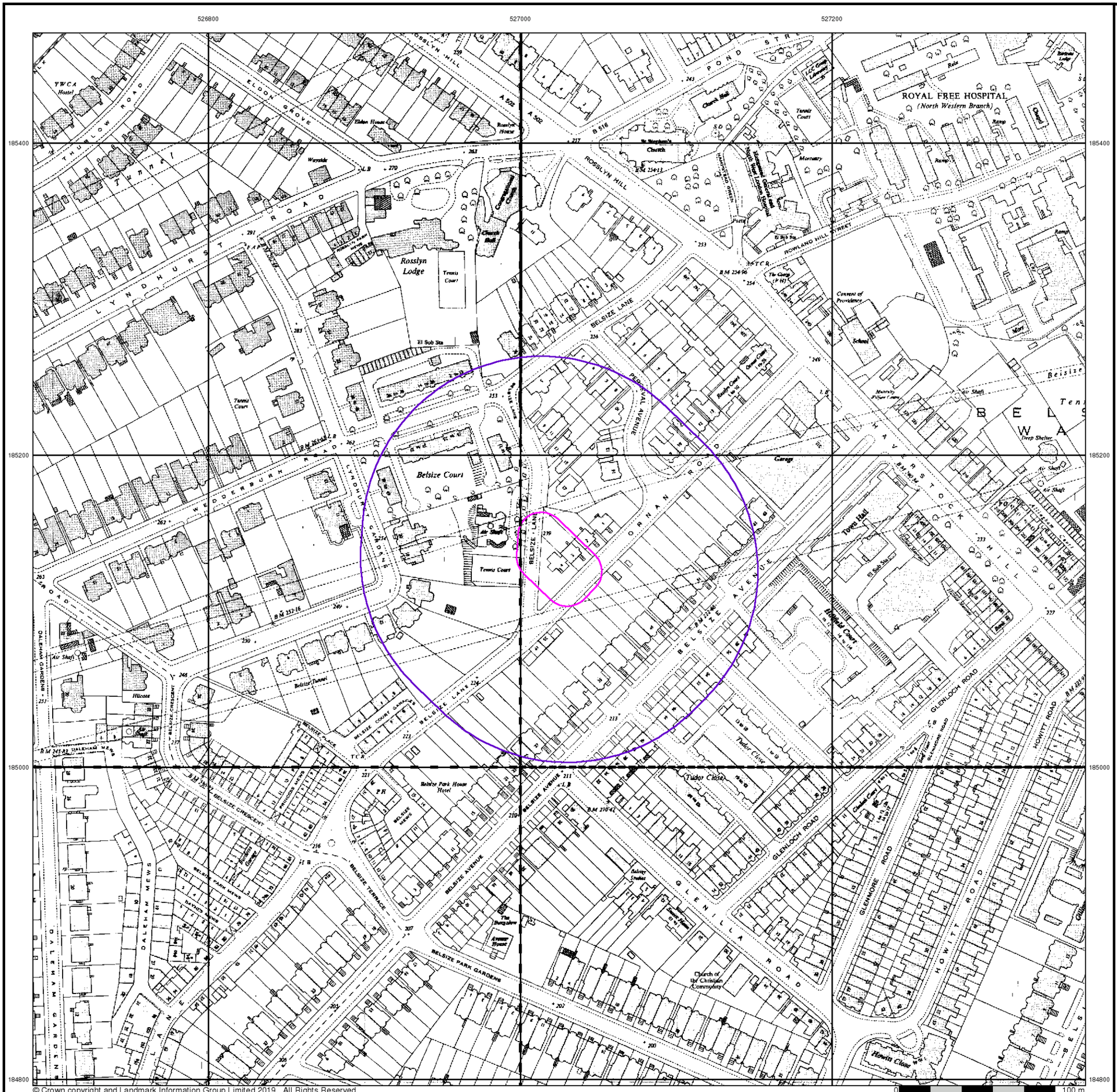


GEA

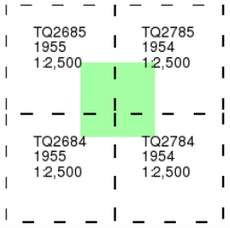
Ordnance Survey Plan

Published 1954 - 1955

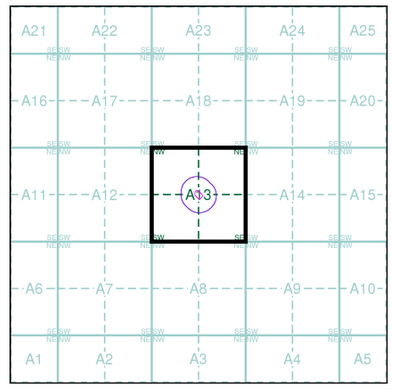
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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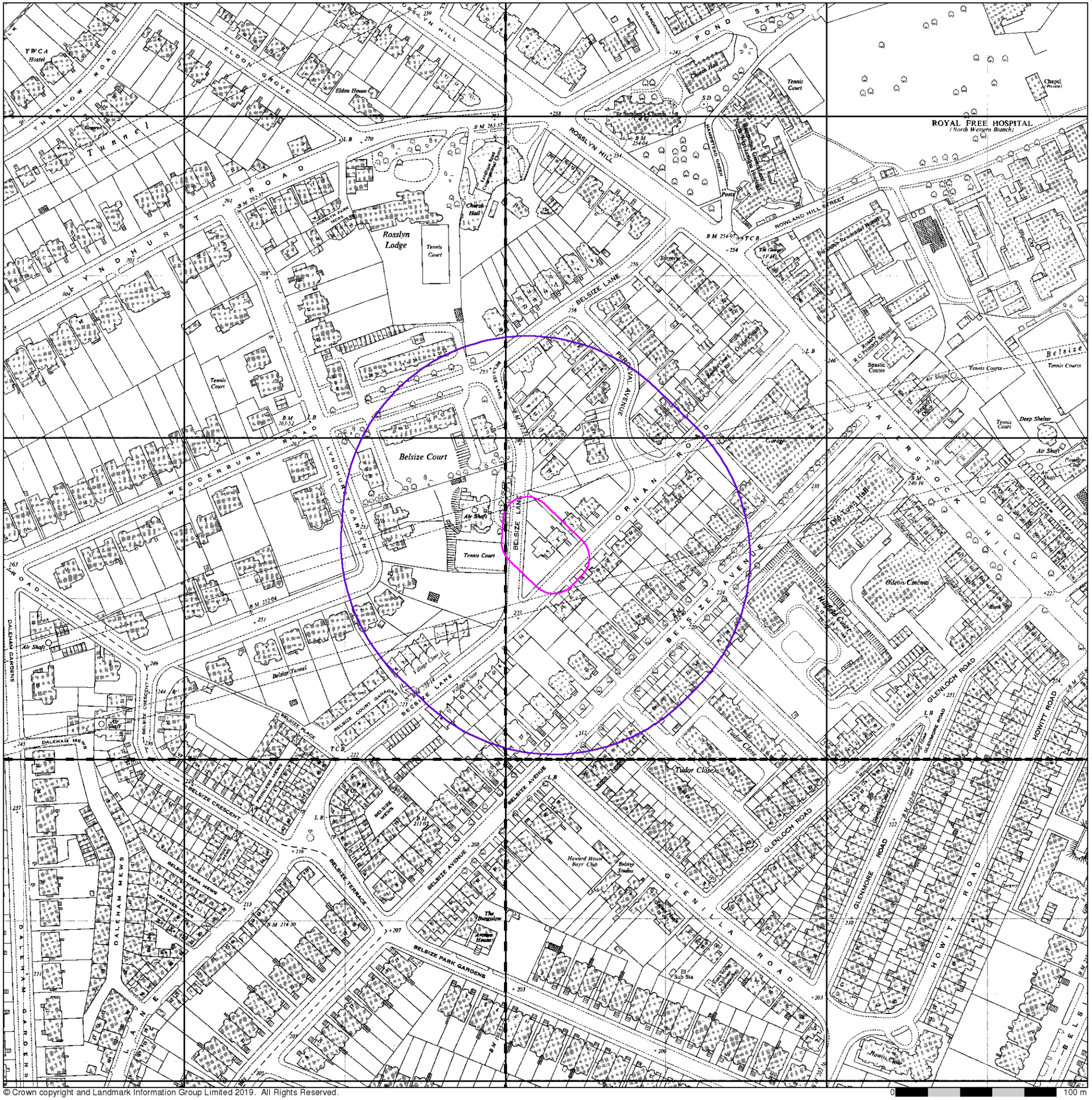

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Ordnance Survey Plan

Published 1966 - 1969

Source map scale - 1:1,250

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Map Name(s) and Date(s)

TQ2685SE 1966 1:1,250	TQ2785SW 1966 1:1,250
TQ2684NE 1967 1:1,250	TQ2784NW 1969 1:1,250

Historical Map - Segment A13

Order Details

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