DESK STUDY & BASEMENT IMPACT ASSESSMENT REPORT

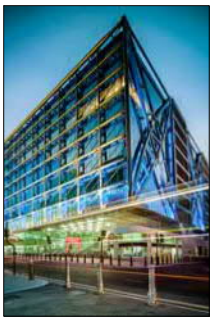
193 Leighton Road
London NW5

Client: Mr Sam Stork

J16038

April 2016



GEA Geotechnical & Environmental Associates

Document Control

Project title	193 Leighton Road, London, NW5 2RD	**Project ref**	J16038
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Report checked and approved for issue by	Steve Branch BSc MSc CGeol FGS FRGS MIEnvSc		

Issue No	Status	Date	Approved for Issue
1	Final	12 April 2016	

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Part 1: INVESTIGATION REPORT

1.0 INTRODUCTION

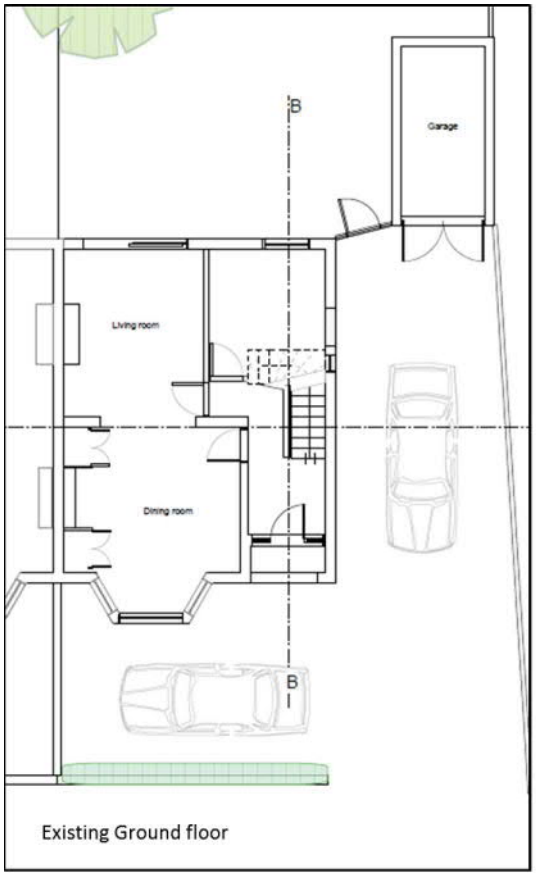
Geotechnical and Environmental Associates Limited (GEA) has been commissioned by Mr Sam Stork, to carry out a desk study and Basement Impact Assessment (BIA) at 193 Leighton Road, London NW5 2RD in accordance with guidelines from the London Borough of Camden in support of a planning application.

1.1 Proposed Development

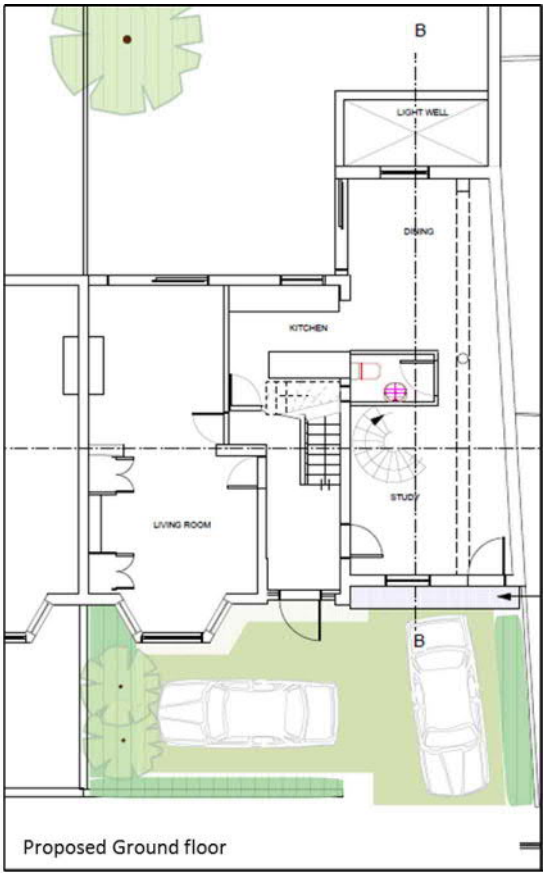
It is understood that it is proposed to demolish the existing garage and construct a two-storey extension over a single-storey basement.

The new extension will cover the eastern half of the site whilst the single level basement is proposed to extend to approximately 3.0 m depth and measure approximately 13.5 m by 5.0 m in plan as shown below.

Plan view:

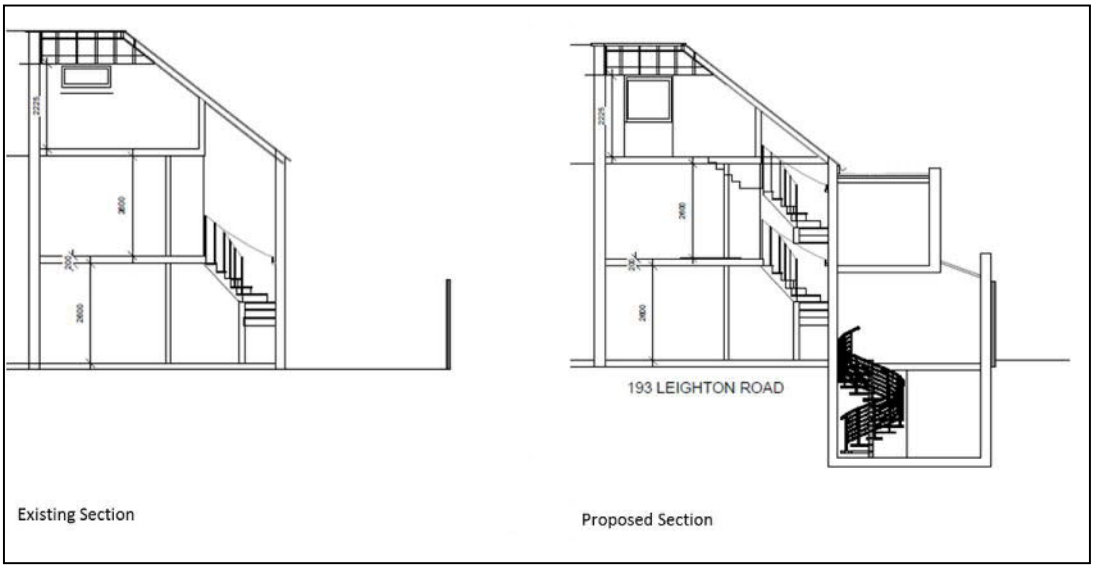


Existing Ground floor



Proposed Ground floor

Section View:



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

1.1.1 Basement Impact Assessment

The work carried out includes a Hydrological and Hydrogeological Assessment and Land Stability Assessment (also referred to as Slope Stability Assessment), all of which form part of the BIA procedure specified in the London Borough of Camden (LBC) Planning Guidance CPG4[1] and their Guidance for Subterranean Development[2] prepared by Arup ('the Arup Report'). 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.

1.1.2 Qualifications

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

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 over 25 years' experience in geotechnical engineering and engineering geology.

All assessors meet the qualification requirements of the Council guidance.

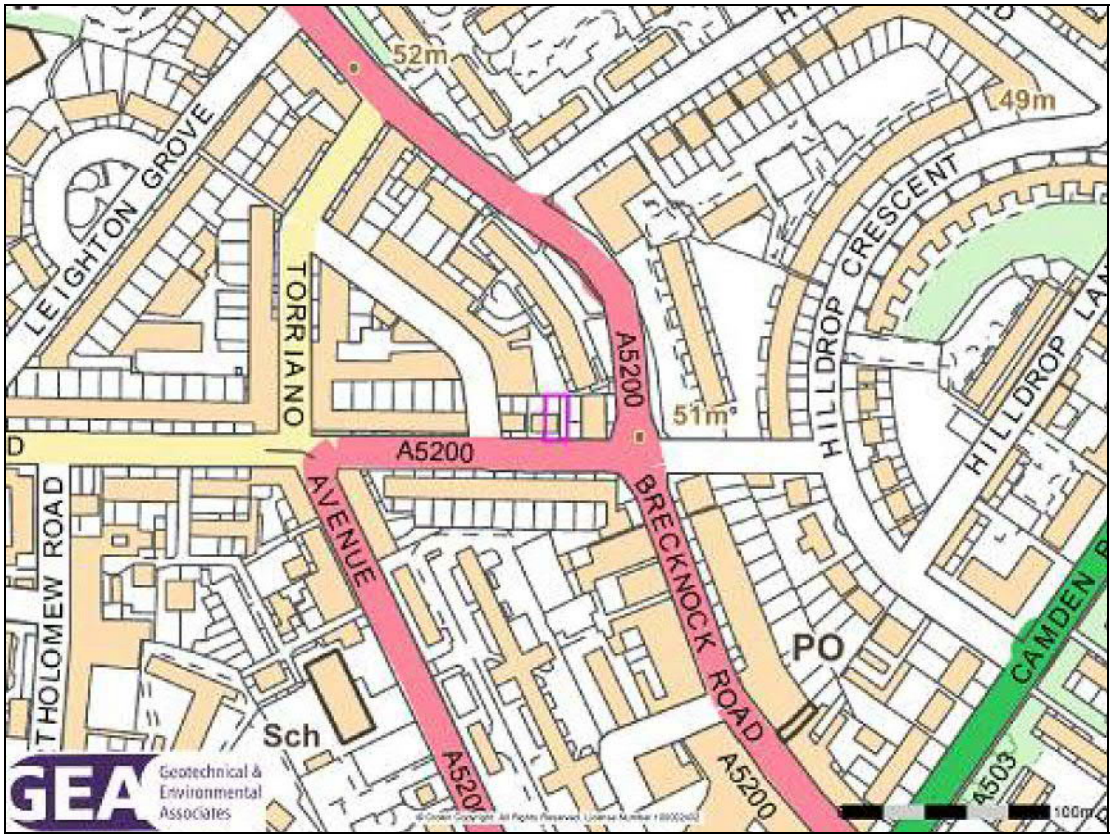
1 London Borough of Camden Planning Guidance CPG4 *Basements and lightwells*
2 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development*. For London Borough of Camden November 2010

1.2 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 east of Kentish Town London Underground Station. It is rectangular in shape, measuring approximately 20 m north-south by 10 m east-west. The site fronts onto Leighton Road to the south and is adjoined to the west by 191 Leighton Road, a two-storey building that also fronts onto Leighton Road. To the west are two semi-detached three-storey residential buildings and associated gardens, whilst to the north is a four-storey block of flats with associated grounds. The site may additionally be located by National Grid Reference 529660, 185200 and is shown on the map extract above.

The site is entirely occupied by 193 Leighton Road and associated grounds, comprising a two-storey semi-detached residential building with front hardstanding drive way and rear

courtyard area. A lightweight single storey garage is present to the rear of the front driveway in the northeastern corner of the site.

The site is level and devoid of vegetation although a semi-mature to mature deciduous tree is present just the other side of the northerly boundary.

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, Greenwood's Map of London dated 1827, the site is shown to have comprised open fields. The next map studied, dated 1875, shows the site to have formed the grounds of a nearby residential building and the surrounding area is largely shown in its existing condition, with Leighton Road shown on its existing alignment.

The site and surrounding area remain unchanged until 1938, when the existing building is shown to have been constructed. By 1954, a warehouse, ophthalmic optic factory and wood works are shown to have been established approximately 50 m to the northwest of the site and an electrical substation had been constructed approximately 50 m southwest of the site.

The site and surrounding area remained largely unchanged until 1980, when the block of flats bounding the north of the site is shown to have been constructed, replacing the previous terraced residential properties. The site and surrounding area have since remain 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 500 m of the site. There have been no pollution incidents to controlled waters within 500 m of the site.

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.

The results of a search of the London Borough of Camden Planning Portal for planning applications relating to the properties surrounding the site suggest that none of the surrounding properties have basement levels.

With reference to bombsite.org, the closest recorded WWII bomb strike was a high explosive bomb located along Oseney Crescent, approximately 250 m southeast of the site. None of the historical maps show evidence of bomb damage on or near the site and in conjunction with the fact that there were no military or likely targets of interest near the site, the risk of unexploded ordnance (UXO) being encountered is low. This should however be clarified by a specialist contractor.

There are no London Underground or Network Rail Tunnels within 250 m of the site.

2.4 Geology

The British Geological Survey (BGS) map of the area (Sheet 256) indicates the site to be underlain by London Clay Formation from the surface

According to the BGS memoir the London Clay comprises a homogenous, slightly calcareous silty clay to very silty clay, with some beds of clayey silt grading to silty fine grained sand.

GEA has previously carried out a ground investigation approximately 50 m to the north of the site on Charlton Kings Road. Beneath a nominal to moderate thickness of made ground, London Clay was encountered and proved to the full depth investigated of 12 m. The made ground generally comprised dark brown silty gravelly clay with ash, brick, occasional glass fragments and rootlets and extended to depths of between 0.15 m (49.03 m OD) and 1.0 m (48.16 m OD). The underlying London Clay initially comprised reworked firm brown mottled grey silty slightly gravelly clay which extended to depths of between 0.8 m (48.38 m OD) and 1.7 m (47.46 m OD). This upper zone was underlain by firm becoming stiff greyish brown silty fissured clay with selenite crystals and occasional pockets of orange brown silt, which extended to the full depth investigated of between 4.3 m (44.88 m OD) and 12.0 m (37.00 m OD). Groundwater was not encountered during the investigation.

2.5 Hydrology and Hydrogeology

As defined by the Environment Agency (EA), the underlying London Clay is classified as a Non-Aquifer and Unproductive Stratum, which refers to a soil or rock with low permeability that has a negligible effect on local water supply or river base flow.

There are no EA designated Source Protection Zones (SPZs) on the site. The Envirocheck report indicates that there is no surface water feature within 500 m of the site. The site is not located in an area at risk of flooding from rivers or sea and surface water, as defined by the EA.

Reference to the Lost Rivers of London[3] indicates that the eastern tributary of the River Fleet flowed in a southerly direction approximately 600 m to the west of the site.

Any surface water runoff that infiltrates the shallow made ground above the London Clay is likely to be trapped between impermeable layers as perched water tables.

Published data for the permeability of the London Clay indicates the horizontal permeability to generally range between 1 x 10^{-10} m/s and 1 x 10^{-8} m/s, with an even lower vertical permeability. The London Clay cannot therefore support groundwater flow and as such do not support a “water table” or continuous piezometric surface. Boreholes constructed within clays do fill with water due to the often high water content of shallow clays; however, this is not reflective of groundwater flow in a porous and permeable saturated stratum.

[3] Nicholas Barton (2000) *London’s Lost Rivers.* Historical Publications Ltd

2.6 Preliminary Risk Assessment

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

2.6.1 Source

The desk study research has indicated that the site has only been occupied by residential end use for its entire developed history, with known site uses comprising associated gardens and the existing buildings. The site is therefore not considered to have had a contaminative history.

2.6.2 Receptor

The future end users of the commercial building will represent high sensitivity receptors. The site is underlain by an Unproductive Strata and therefore groundwater is not considered to be a relatively sensitive receptor. Although perched water may exist in the made ground or in the vicinity of existing foundations. 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 demolition and construction works.

2.6.3 Pathway

The new building will cover the majority of the footprint of the site and it is likely that this will effectively form a barrier between any contaminants within the near-surface soils and end-users or infiltration of surface water. However areas of soft landscaping will form potential pathways to contaminants within the near-surface soils.

Buried services will be exposed to any contaminants present within the soil through direct contact and site workers will come into contact with the soils during construction works. There is thus considered to be very low potential for a contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

2.6.4 Preliminary Risk Appraisal

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

3.0 SCREENING

The LBC guidance suggests that any development proposal that includes a subterranean 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 193 Leighton Road
1a. Is the site located directly above an aquifer?	No. The site is located above the London Clay which is designated Non Productive Strata.
1b. Will the proposed basement extend beneath the water table surface?	No. The London Clay is not sufficiently permeable to support groundwater flow or therefore a continuous water table.
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	No.
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No.
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. The basement development would 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)?	No. The soils of the London Clay would be unsuitable for SUDS type soakaways and the existing drainage condition would be maintained.
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	No. There are no mapped local ponds or spring lines within 1km of the site.

The above assessment has not identified any potential issues that need to be further assessed:

3.1.2 Stability Screening Assessment

Question	Response for 193 Leighton Road
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No. Not according to Figure 17 in the Arup Report.
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	No. Not according to drawings supplied by the client (ref: LR/P14)
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	No. Not according to Figure 16 in the Arup Report.
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	No. Not according to Figure 16 in the Arup Report
5. Is the London Clay the shallowest strata at the site?	*Yes. According to BGS geology map and previous GI performed by GEA.*
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. Not according to supplied drawings by the client (ref: LR/ P11.

Question	Response for 193 Leighton Road
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 underlying London Clay is known to be of high shrinkability and so il susceptible to shrink swell.*
8. Is the site within 100 m of a watercourse or potential spring line?	No. Not according to Figures 11 and 12 in the Arup report and Envirocheck extracts
9. Is the site within an area of previously worked ground?	No. Not according to BGS Sheet 256.
10. Is the site within an aquifer?	No. The London Clay is classified as an unproductive strata.
11. Is the site within 50 m of Hampstead Heath ponds?	No. Not according to Figure 14 of the Arup report.
12. Is the site within 5 m of a highway or pedestrian right of way?	*Yes. Leighton Road and the associated footway are parallel to the southern boundary*
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	*Yes. The existing foundations are expected to be underpinned to bear within the London Clay. According to the Camden Planning database the surrounding properties do not have basements and as such are assumed to be founded at relatively shallow depths. Therefore the proposed scheme will increase the differential depth to neighbouring foundations.*
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	No. Not according to Figure 16 and 18 if the Arup report, Ordnance survey maps of the area and the TFL asset location website.

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

Q5 The London Clay is the shallowest underlying stratum
Q7 The London Clay is known to be susceptible to shrink-swell
Q12 The site is within 5 m of a public highway
Q13 The proposed scheme will significantly increase the differential depth of foundations between neighbouring properties.

3.1.3 Surface Flow and Flooding Screening Assessment

Question	Response for 193 Leighton Road
1. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Figure 14 of the Camden geological, hydrogeological and hydrological study – Guidance for subterranean development dated 2010, confirms that the site is not located within this catchment area.
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	No. There will not be an increase in impermeable area across the ground surface above the basement, so the surface water flow regime will be unchanged. There will be no surface expression of the basement development, so the surface water flow regime will be unchanged. The basement/extension will entirely be beneath/above the existing hardstanding area, therefore the 1m distance between the roof of the basement and ground surface as recommended by the Arup report and para 2.16 of the CPG4 does not apply.
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. There will not be an increase in impermeable area across the ground surface above the basement. There will be no surface expression of the basement development.

Question	Response for 193 Leighton Road
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	No. There will not be an increase in impermeable area across the ground surface above the basement, so the surface water flow regime will be unchanged. There will be no surface expression of the basement development, so the surface water flow regime will be unchanged. The basement/extension will entirely be beneath/above the existing hardstanding area, therefore the 1m distance between the roof of the basement and ground surface as recommended by the Arup report and para 2.16 of the CPG4 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.
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?	No. The Camden Flood Risk Management Strategy dated 2013, together with Figures 3ii, 4e, 5a and 5b of the SFRA dated 2014, and Environment Agency online flood maps show that the site has a very low flooding risk from surface water, sewers, reservoirs (and other artificial sources), groundwater and fluvial/tidal watercourses. In accordance with paragraph 5.11 of the CPG a positive pumped device will be installed in the basement in order to further protect the site from sewer flooding. The BIA indicates that the water table will be located sufficiently below the floor of the basement. The site is located within the Critical Drainage Area number GROUP3-003, but is not in a Local Flood Risk Zone, as identified in the Camden SWMP and Updated SFRA Figure 6/Rev 2.

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

4.0 SCOPING

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	The London Clay is prone to seasonal shrink-swell and can cause structural damage. Desiccation may be present within close proximity to existing trees. The proposed basement will extend to a general depth of about 3.0 m, such that new foundations would be expected to bypass any desiccated soils present.
The proposed basement will significantly increase differential depth of foundations to neighbouring properties	Ground movements associated with significantly changing the differential depth of foundations to neighbouring properties could result in structural damage.

Potential Impact	Consequence
Is the site located within 5 m of a public highway or pedestrian right of way?	The public walkway of Leighton Road borders the site to the south and the excavation of a basement can cause instability of such structures. However the proposed basement excavation is actually over 5 m away from the footway.

The London Clay is the shallowest stratum which is susceptible to seasonal shrink-swell

The proposed basement is expected to be underpinned to a depth of about 3.0 m and bear within the London Clay, such that the new foundations will be expected to bypass any desiccated soils. It is understood that at this stage there are no plans to remove the existing tree close to site and as such the potential change in water uptake should not have a significant effect on the proposed development. However a ground investigation is likely to be required in order to confirm this assumption.

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

At the time of writing this report no data was available on the surrounding properties with regards to basement levels and foundations. To this extent and to remain conservative it has been assumed that surrounding terraced houses do not have basements and are founded on shallow foundations at approximately 0.8 m depth, whilst the apartment block to the east is likely to be founded at 1.2 m depth or on piles. It is expected that the proposed scheme will be underpinned to 3.0 m and bear within the London Clay. As such, the proposed scheme will extend to a significantly greater depth relative to the existing foundations of the neighbouring properties. The proposed scheme 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.

Due to the expected geology it is likely typical concrete mass underpinning using the standard 'hit and miss' approach will be adopted to form the proposed basement. There is a wealth of experience with respect to the construction of underpinned retaining walls beneath existing structures, suggesting that ground movements should remain typically within the range of 2 mm to 5 mm following completion of the works and provided that they are installed by a reputable and experienced contractor in accordance with the guidelines published by the Association of Specialist Underpinning Contractors[4].

Experience of Ground Movement Assessments (GMA) suggests that a basement the size of that proposed is likely to result in movements that fall within acceptable limits as defined by CPG4. However a Ground Investigation and GMA is likely to be required in order to confirm this assumption, although it may be that this could be dealt with by way of a conditional planning consent.

Location of public highway

The basement excavation will extend to within 5.0 m from the pathways and highways to the south and therefore the basement excavation may affect the highway. A retention system will need to be adopted that maintains the stability of the excavation at all times.

[4] Haslam S, O'Connor L (2013) *Guidelines on safe and efficient basement construction directly below or near to existing structures* ASUC

4.2 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.

APPENDIX

Envirocheck Report Summary

Historical Maps

Existing / Proposed Drawings

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
81506236_1_1

Customer Reference:
J16038

National Grid Reference:
529660, 185200

Slice:
A

Site Area (Ha):
0.03

Search Buffer (m):
1000

Site Details:

193 Leighton Road
LONDON
NW5 2RD

Client Details:

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

Contents

Introduction

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

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

Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices	pg 1			1	5
Discharge Consents					
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		1	1	13
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature					
Pollution Incidents to Controlled Waters	pg 3				1
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				6 (*11)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 8	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

GEA Geotechnical & Environmental Associates

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 9				1
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 9				2
Registered Waste Treatment or Disposal Sites	pg 10				1
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					
Geological					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 11	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 12		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 15	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 15	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 15	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	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

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 17		21	29	232
Fuel Station Entries	pg 40				6
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Contaminated Land Register Entries and Notices** Location: Even Numbers 14-20 Ascham Street, Odd Numbers 15-33 Lady Margaret Road, And Odd Numbers 37-41 Falkland Road, London, Nw5 Notice Type: Environmental Protection Act (1990) Section 78A(2) And 78(B) Determination That Land Is Contaminated Reference: Not Supplied Dated: 12th September 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	485	3	529184 185321
2	**Contaminated Land Register Entries and Notices** Location: 35 Falkland Road, London, Nw5 2pu Notice Type: Update on Remediation Statement - Remediation Work Completed Reference: Not Supplied Dated: 31st July 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	521	3	529152 185345
3	**Contaminated Land Register Entries and Notices** Location: 33 Falkland Road, London, Nw5 2pu Notice Type: Environmental Protection Act (1990) Section 78A(2) And 78(B) Determination That Land Is Contaminated Reference: Not Supplied Dated: 12th September 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	526	3	529146 185338
4	**Contaminated Land Register Entries and Notices** Location: 31 Falkland Road, London, Nw5 2pu Notice Type: Environmental Protection Act (1990) Section 78A(2) And 78(B) Determination That Land Is Contaminated Reference: Not Supplied Dated: 31st July 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	533	3	529141 185347
5	**Contaminated Land Register Entries and Notices** Location: 29 Falkland Road, London, Nw5 2pu Notice Type: Environmental Protection Act (1990) Section 78A(2) And 78(B) Determination That Land Is Contaminated Reference: Not Supplied Dated: 31st July 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	540	3	529134 185349
6	**Contaminated Land Register Entries and Notices** Location: Even Numbers 2-10 Ascham Street, Odd Numbers 15-31 Falkland Road And Even Numbers 34-48 Leverton Street, London, Nw5 Notice Type: Environmental Protection Act (1990) Section 78A(2) And 78(B) Determination That Land Is Contaminated Reference: Not Supplied Dated: 12th September 2005 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	543	3	529142 185386
7	**Local Authority Pollution Prevention and Controls** Name: Universal Dry Cleaners Location: 9-11 Brecknock Road, London, N7 0bl Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC30 Dated: 29th 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 (SE)	202	3	529761 185015
8	**Local Authority Pollution Prevention and Controls** Name: Empire Professional Dry Cleaners Location: 173 York Way, London, N7 9ln Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC43 Dated: 26th 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 (SE)	307	3	529843 184942

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Licence Number: 28/39/39/0164C Permit Version: Not Supplied Location: Maiden Lane Bridge, LONDON, Nw1 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	(S)	1808	5	530300 183500
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000	A13SE (NW)	0	5	529662 185204
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (NW)	0	2	529662 185204
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Licensed Waste Management Facilities (Locations)** Licence Number: 80349 Location: Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP Operator Name: LondonWaste Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Household Waste Amenity Sites **Licence Status: Transferred** Issued: 10th December 1996 Last Modified: 25th January 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	919	5	528740 185138
	Local Authority Landfill Coverage Name: London Borough of Camden - Has no landfill data to supply		0	8	529662 185204
	Local Authority Landfill Coverage Name: London Borough of Islington - Has no landfill data to supply		32	4	529700 185207
23	**Registered Waste Transfer Sites** Licence Holder: Personnel Hygiene Services Ltd Licence Reference: DL240 Site Location: Unit 1 North Road, HOLLOWAY, London, N7 Operator Location: Tack House, Longmore Street, WESTMINSTER, London, SW1V 1JJ Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st March 1993 Preceded By Licence: DL240 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical - As In Coll/Disp.Regs Of '88 Max.Waste Permitted By Licence Prescription Only Medical Products	A14SE (E)	747	5	530400 185050
23	**Registered Waste Transfer Sites** Licence Holder: Personnel Hygiene Services Ltd Licence Reference: DL240 Site Location: Unit 1 North Road, HOLLOWAY, London, N7 Operator Location: Tack House, Longmore Street, WESTMINSTER, London, SW1V 1JJ Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st November 1986 Preceded By Licence: Not Given Superseded By Licence: DL240 Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence-Stated Sanitary Towel/Tampon, Disp.Nappies Used Syringes, Blades, Sharps, Needles Prohibited Waste: Special Wastes Waste N.O.S.	A14SE (E)	747	5	530400 185050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Registered Waste Treatment or Disposal Sites** Licence Holder: Camden L.B.C Licence Reference: T/NE/0475090 (CAM070) Site Location: Regis Road Recycling Centre, CAMDEN, London, NW5 3EP Operator Location: Environment Department, Town Hall Extension, Argyle Street, London, Greater London, Wc1h 8eq Authority: Environment Agency - Thames Region, North East Area Site Category: Recycling / Reclamation Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 10th December 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Elec/Onic Compts/Fix/Fit/App/Photocopi Empty Used Containers Lead/Acid Batteries Lighting Lamps/Tubes/Fluorescents Lwra Cat Bii Gen. Scrap Metal Waste Lwra Cat. A = Inert Wastes Lwra Cat. Bi Gen.Non-Putresc Lwra Cat. C 'Putresc' Mineral Oils Prohibited Waste: Waste N.O.S.	A12SW (W)	959	5	528700 185140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SE (NW)	0	2	529662 185204
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A13SE (NW)	0	2	529662 185204
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A13SE (S)	194	2	529662 185000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A14SW (E)	333	2	530000 185204
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A14SW (SE)	385	2	530000 185000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A12SE (W)	657	2	529000 185204
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A12SE (W)	685	2	529000 185000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A18NE (N)	785	2	529662 186000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: London Arsenic Concentration: no data Cadmium Concentration: no data Chromium Concentration: no data Lead Concentration: no data Nickel Concentration: no data	A19NW (NE)	853	2	530000 186000
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529833, 185232 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 29.00 mg/kg Cadmium Measured Concentration: 3.70 mg/kg Chromium Measured Concentration: 119.00 mg/kg Lead Measured Concentration: 1057.00 mg/kg Nickel Measured Concentration: 73.00 mg/kg	A13NE (E)	167	2	529833 185232
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529825, 185580 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 19.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 98.00 mg/kg Lead Measured Concentration: 237.00 mg/kg Nickel Measured Concentration: 41.00 mg/kg	A18SE (NE)	398	2	529825 185580
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 529215, 185284 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 20.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 72.00 mg/kg Lead Measured Concentration: 536.00 mg/kg Nickel Measured Concentration: 33.00 mg/kg	A12NE (W)	448	2	529215 185284

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: 7189 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13SE (NW)	0	2	529662 185204
	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	A13SE (NW)	0	2	529662 185204
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 185000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	2	529662 185204
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 185000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	2	529662 185204
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 185000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	2	529662 185204
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 185000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	2	529662 185204
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 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	A13SE (NW)	0	2	529662 185204
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	194	2	529662 185000
	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	A13SE (NW)	0	2	529662 185204
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	2	529662 185204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Contemporary Trade Directory Entries** Name: Oilfield Production Consultants Ltd Location: Unit 1/2, Apollo Studios, Charlton Kings Road, London, NW5 2SB Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	59	-	529600 185227
25	**Contemporary Trade Directory Entries** Name: C Mcnicoll Location: Unit 3, Apollo Studios, Charlton Kings Road, London, NW5 2SB Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	70	-	529589 185225
26	**Contemporary Trade Directory Entries** Name: Mccrone Scientific Ltd Location: McCrone House, 155a, Leighton Road, London, NW5 2RD Classification: Laboratory Equipment, Instruments & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	111	-	529547 185219
27	**Contemporary Trade Directory Entries** Name: M P Snelling Refrigeration Ltd Location: 59, Torriano Avenue, London, NW5 2SG Classification: Refrigeration Equipment - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	128	-	529559 185112
28	**Contemporary Trade Directory Entries** Name: Key Production Location: 2, Hargrave Place, London, N7 0BP Classification: Record, Tape & CD Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	130	-	529707 185070
29	**Contemporary Trade Directory Entries** Name: Foamtec Location: 1-7, Hargrave Place, London, N7 0BP Classification: Foam Products - Rubber & Plastics **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	160	-	529713 185041
29	**Contemporary Trade Directory Entries** Name: Circa 48 Location: 17b, Brecknock Road, London, N7 0BL Classification: Picture & Picture Frame Renovating & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	176	-	529745 185036
29	**Contemporary Trade Directory Entries** Name: Alexander Ley & Son Location: 13, Brecknock Road, London, N7 0BL Classification: Antiques - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	192	-	529755 185023
29	**Contemporary Trade Directory Entries** Name: Universal Location: 11, Brecknock Road, London, N7 0BL Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	195	-	529762 185023
29	**Contemporary Trade Directory Entries** Name: Venus Laundry Location: 3, Hampshire Street, London, NW5 2TE Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	197	-	529735 185009
30	**Contemporary Trade Directory Entries** Name: Li Xin Location: 12, Brecknock Road, London, N7 0DD Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	197	-	529790 185040
30	**Contemporary Trade Directory Entries** Name: Select Shirt & Laundry Location: 9, Brecknock Road, London, N7 0BL Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	200	-	529764 185019

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Contemporary Trade Directory Entries** Name: Andrews Office Equipment Location: 229a, Camden Road, London, N7 0HR Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	224	-	529813 185024
31	**Contemporary Trade Directory Entries** Name: Larke Location: 1, Long Meadow, Torriano Avenue, London, NW5 2SU Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	205	-	529693 184990
31	**Contemporary Trade Directory Entries** Name: Starquest Ltd Location: 1, Hampshire Street, London, NW5 2TE Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (S)	228	-	529730 184975
31	**Contemporary Trade Directory Entries** Name: Camden Joinery Location: 3, Hampshire Street, London, NW5 2TE Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (S)	228	-	529730 184975
31	**Contemporary Trade Directory Entries** Name: Electricomms Ltd Location: 23 Hampshire St, London, NW5 2TE Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	228	-	529710 184970
31	**Contemporary Trade Directory Entries** Name: Andros Fashions Location: Hampshire St, London, NW5 2TE Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	240	-	529696 184956
32	**Contemporary Trade Directory Entries** Name: Ruth Stokes Location: 35b Hilldrop Rd, London, N7 0JE Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	208	-	529790 185383
33	**Contemporary Trade Directory Entries** Name: Conspel Ltd Location: Osborne House, 111-113, Bartholomew Road, LONDON, NW5 2BJ Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	234	-	529436 185119
33	**Contemporary Trade Directory Entries** Name: H & B Motor Engineers Ltd Location: 111-113, Bartholomew Road, London, NW5 2BJ Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SW (SW)	246	-	529432 185095
33	**Contemporary Trade Directory Entries** Name: Medical Optics Ltd Location: Unit 1, Dove Commercial Centre, 109, Bartholomew Road, London, NW5 2BJ Classification: Medical Equipment Maintenance & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	266	-	529426 185063
33	**Contemporary Trade Directory Entries** Name: Basis Lighting Location: Unit 3-4, Dove Commercial Centre, 109, Bartholomew Road, LONDON, NW5 2BJ Classification: Lighting Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	266	-	529426 185063

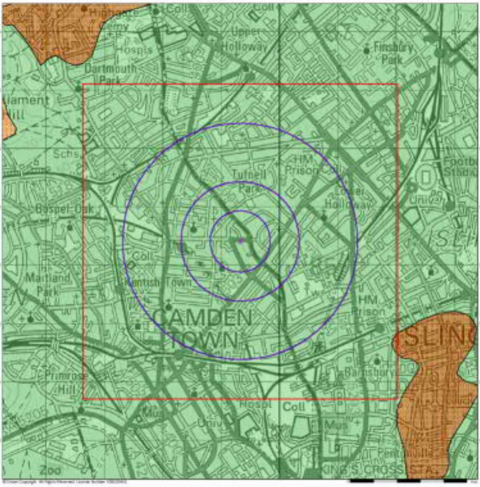
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	**Contemporary Trade Directory Entries** Name: Caraselle Location: Unit 4, Kentish Town Industrial Estate, Regis Road, London, NW5 3EW Classification: Clothing Accessory Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	987	-	528670 185201
153	**Contemporary Trade Directory Entries** Name: Caraselle Ltd Location: Unit 4, Kentish Town Industrial Estate, Regis Road, London, NW5 3EW Classification: Clothing Accessory Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	987	-	528670 185201
154	**Contemporary Trade Directory Entries** Name: Hss Lift & Shift Location: U1 Bush Ind Est,Station Rd, London, N19 5UW Classification: Lifting Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	987	-	529388 186164
154	**Contemporary Trade Directory Entries** Name: London Group Ltd Location: Unit 5,Station Rd, London, N19 5UN Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	998	-	529376 186172
155	**Contemporary Trade Directory Entries** Name: Michaels Garage Location: 11 Balmoral Gro, London, N7 9NQ Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	989	-	530532 184714
156	**Contemporary Trade Directory Entries** Name: Dewhirst Group Location: Flat 6, 106-110, Kentish Town Road, London, NW1 9PX Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SW (SW)	994	-	528987 184460
157	**Contemporary Trade Directory Entries** Name: Camden Cab Co Location: 5a, Agar Place, London, NW1 0RG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	995	-	529429 184226
158	**Fuel Station Entries** Name: Fairways Garage Location: 139-143 Camden Road, Sandal Road, Camden Town, LONDON, NW1 9HA Brand: Total Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	551	-	529530 184658
159	**Fuel Station Entries** Name: Shell Camden Town Location: 109-113, York Way, London, N7 9QE Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	582	-	529973 184699
160	**Fuel Station Entries** Name: Camden Express Location: 196-206, Camden Road, London, NW1 9HG Brand: ESSO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A8NW (S)	612	-	529541 184593
161	**Fuel Station Entries** Name: Atheneum Service Station Location: Camden Road, Holloway, LONDON, N7 0SH Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Approximate location provided by supplier	A19SW (NE)	850	-	530310 185771

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	**Fuel Station Entries** Name: Mark Kass Location: 85-89, Camden Road, Camden Town,, LONDON, Greater London, NW1 9EX Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	852	-	529285 184428
163	**Fuel Station Entries** Name: Whittington Service Station Location: 207 Junction Road, Tufnell Park, LONDON, N19 5QA Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	991	-	529220 186104

Useful Contacts

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**London Borough of Camden - Pollution Projects Team** Seventh Floor, Town Hall Extension, Argyle Street, London, WC1H 8EQ	Telephone: 020 7278 4444 Fax: 020 7860 5713 Website: www.camden.gov.uk
4	**London Borough of Islington - Environmental Health Department** 159 Upper Street, Islington, London, N1 1RE	Telephone: 020 7527 2000 Fax: 020 7477 3057 Website: www.islington.gov.uk
5	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
6	**Natural England** Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
8	**London Borough of Camden** Town Hall, Judd Street, London, WC1H 9JE	Telephone: 020 7974 4444 Fax: 020 7974 6866 Email: info@camden.gov.uk Website: www.camden.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Geotechnical & Environmental Associates

Groundwater Vulnerability

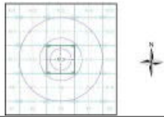
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



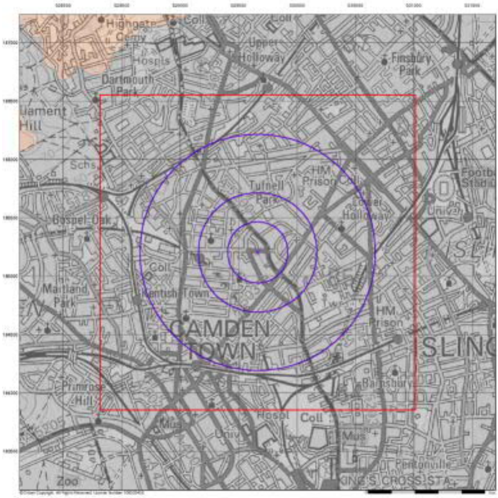
Order Details

Order Number: 81506236_1_1
Customer Ref: J16038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

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



Bedrock Aquifer Designation

General

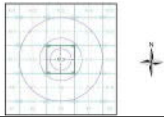
Specified Site — Specified Buffer(s) — Bearing Reference Point
Slice — Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark

Tel: 0844 844 9952
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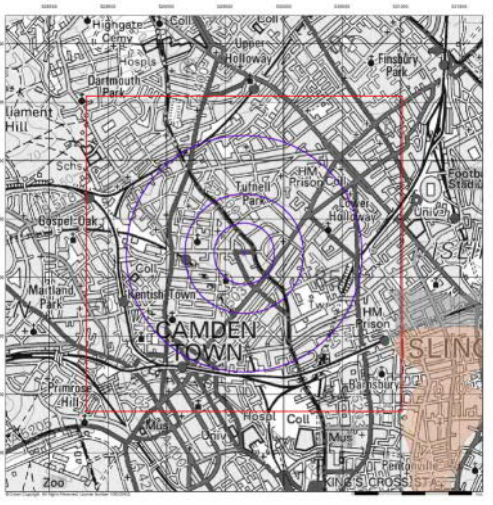


GEA Geotechnical & Environmental Associates

Superficial Aquifer Designation

General

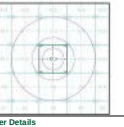
Specified Site | Specified Buffer(s) | X Bearing/Reference Point
Area | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

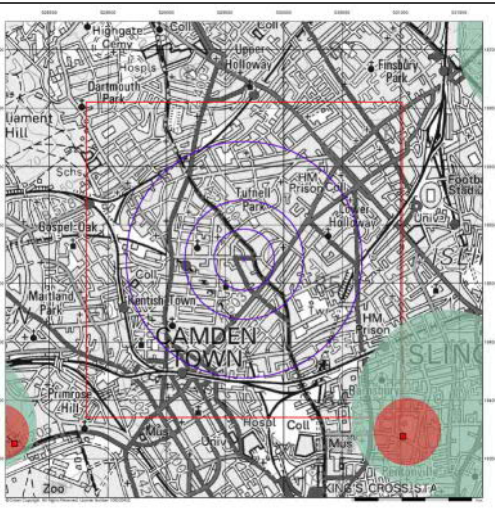


Order Details

Order Number:	B15052236_1_1
Customer Ref:	216038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Source Protection Zones

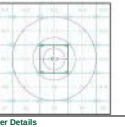
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1u)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2u)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3u)
- Special interest (Zone 4)
- Source Protection Zone Boreholes

Site Sensitivity Context Map - Slice A

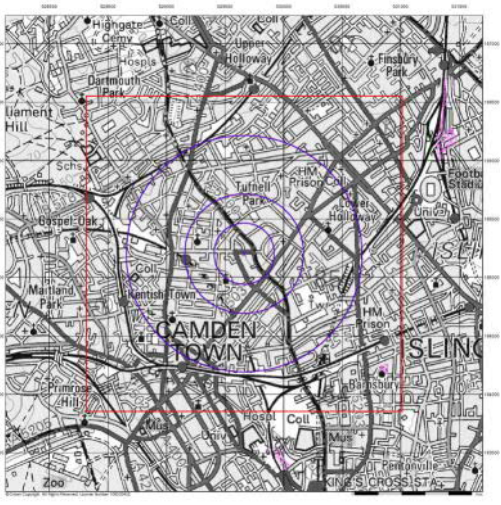


Order Details

Order Number:	B15052236_1_1
Customer Ref:	216038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Sensitive Land Uses

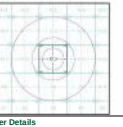
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

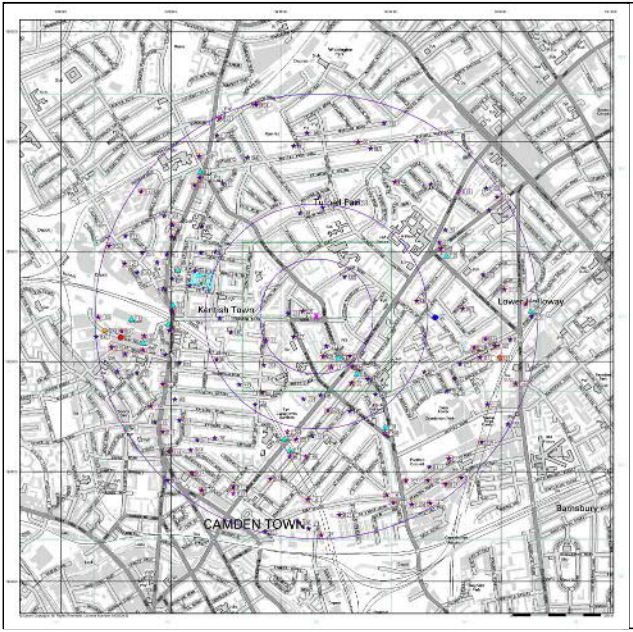


Order Details

Order Number:	81505236_1_1
Customer Ref:	216038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

General

Agency and Hydrological

Waste

Geological

Industrial Land Use

Hazardous Substances

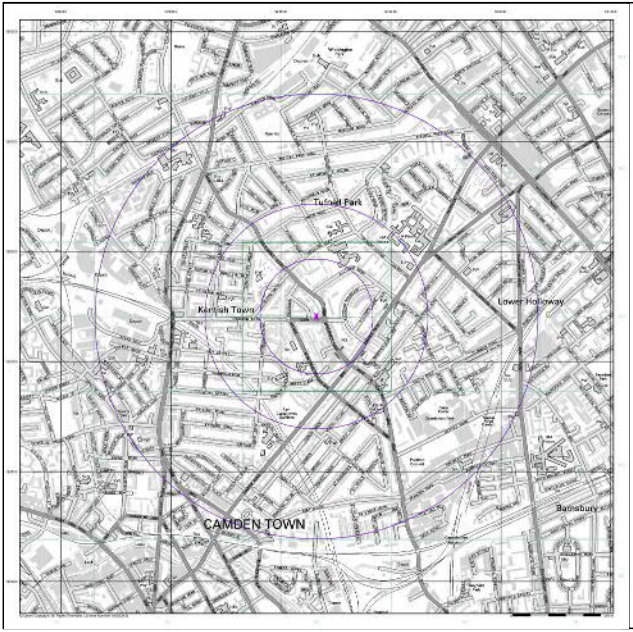
Site Sensitivity Map - Slice A

Order Details

Order Number: 8150623 6_1_1
Customer Ref: JI.6038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

General

Agency and Hydrological (Flood)

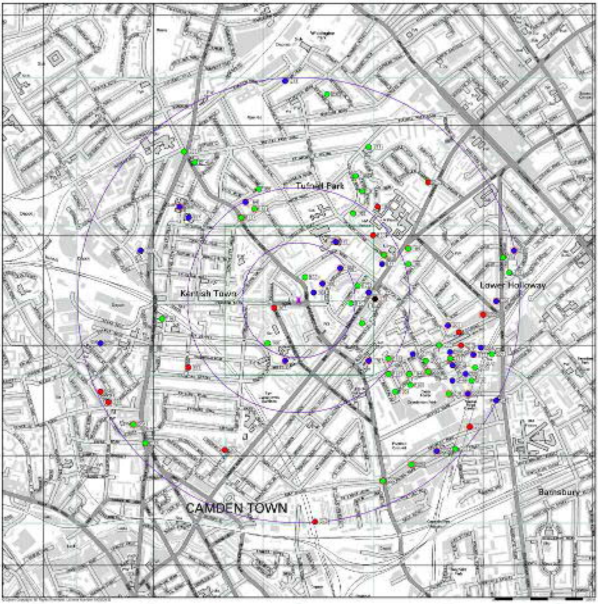
Flood Map - Slice A

Order Details

Order Number:	81506236_1_1
Customer Ref:	JL6038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



Geotechnical & Environmental Associates

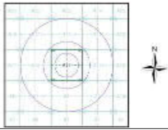
General

Agency and Hydrological (Boreholes)

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

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

Borehole Map - Slice A



Order Details

Order Number: 81506236_1_1
Customer Ref: J16038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark

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

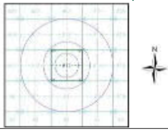
Geotechnical & Environmental Associates

General

Detailed River Network Data

Contours

EA/NRW Detailed River Network Map - Slice A



Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
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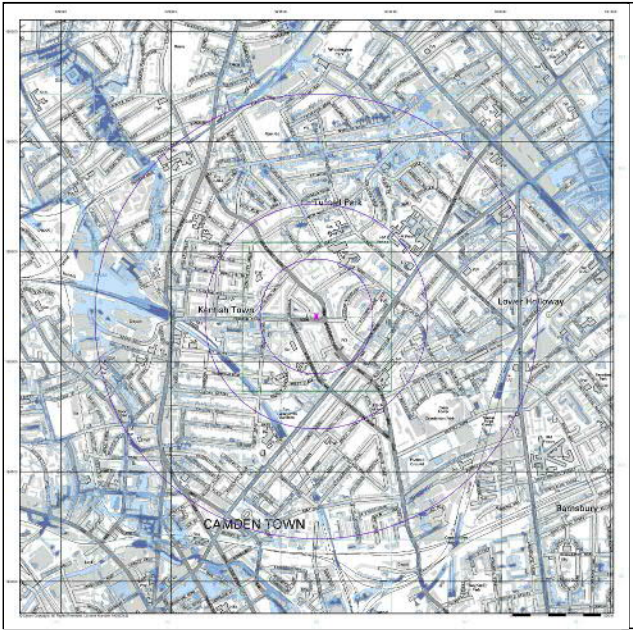
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



Geotechnical & Environmental Associates

General

Risk of Flooding from Surface Water

Suitability

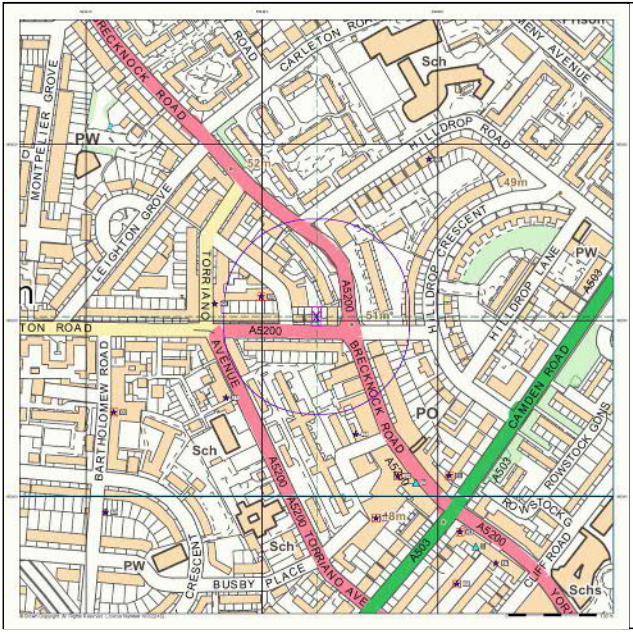
EA/NRW Suitability Map - Slice A

Order Details

Order Number:	81506236_1_1
Customer Ref:	J1 6038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

General

Agency and Hydrological

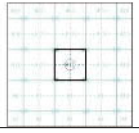
Waste

Geological

Industrial Land Use

Hazardous Substances

Site Sensitivity Map - Segment A13



Order Details

Order Number: 8150623 6_1_1
Customer Ref: J1 6038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03

Site Details

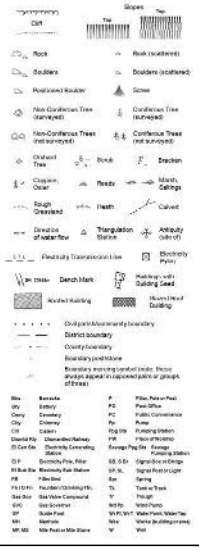
193 Leighton Road, LONDON, NW5 2RD

Historical Mapping Legends

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

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

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

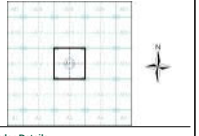


GEA Geotechnical & Environmental Associates

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Qty
London	1:2,500	1872 - 1875	2
London	1:2,500	1896	1
London	1:2,500	1915 - 1916	2
London	1:2,500	1936	1
Historical Aerial Photography	1:1,250	1946 - 1949	1
Ordnance Survey Plan	1:1,250	1953 - 1954	1
Ordnance Survey Plan	1:2,500	1954	1
Ordnance Survey Plan	1:1,250	1956 - 1969	4
Ordnance Survey Plan	1:1,250	1967 - 1979	10
Ordnance Survey Plan	1:2,500	1970	11
Ordnance Survey Plan	1:1,250	1972 - 1975	12
Supply of Unpublished Survey Information	1:1,250	1972 - 1976	14
Ordnance Survey Plan	1:1,250	1980	15
Additional SIMs	1:1,250	1982 - 1986	16
Large-Scale National Grid Data	1:1,250	1991	17
Large-Scale National Grid Data	1:1,250	1992 - 1995	17

Historical Map - Segment A13



Order Details

Order Number: 81506236_1_1
Customer Ref: J16038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

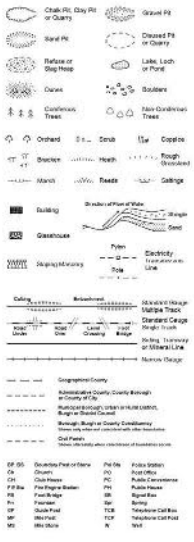
193 Leighton Road, LONDON, NW5 2RD

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

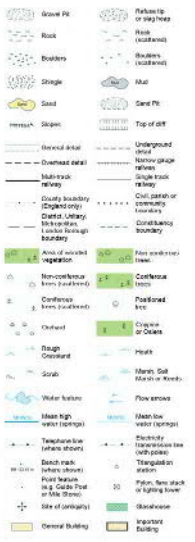
Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

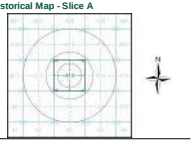


GEA Geotechnical & Environmental Associates

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:10,560	1872 - 1882	1
Middlesex	1:10,560	1879	4
London	1:10,560	1896	5
Essex	1:10,560	1920	6
London	1:10,560	1920	7
Essex	1:10,560	1938	8
London	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1948 - 1951	10
Historical Aerial Photography	1:10,560	1949 - 1950	11
Ordnance Survey Plan	1:10,000	1952 - 1958	12
Ordnance Survey Plan	1:10,000	1962 - 1968	13
Ordnance Survey Plan	1:10,000	1967	14
Ordnance Survey Plan	1:10,000	1972 - 1976	15
Ordnance Survey Plan	1:10,000	1979	16
Ordnance Survey Plan	1:10,000	1984	17
London	1:25,000	1988	18
Ordnance Survey Plan	1:10,000	1990 - 1996	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2016	21

Historical Map - Slice A



Order Details

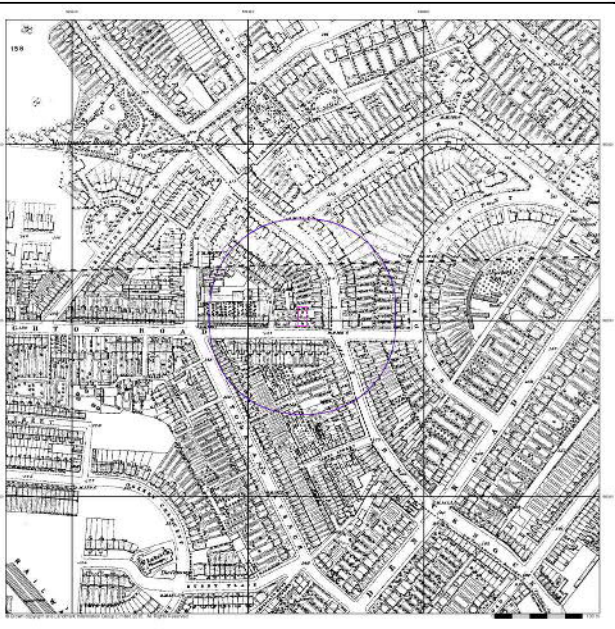
Order Number: 81506236_1_1
Customer Ref: JI6038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark Information Group

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



GEA Geotechnical & Environmental Associates

London

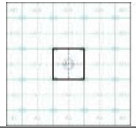
Published 1873 - 1875

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's, ie 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 1836, 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

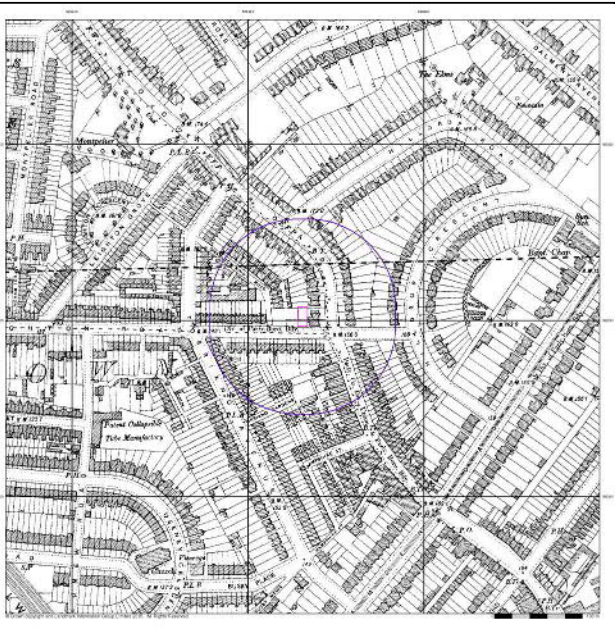


Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

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 1836, 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)

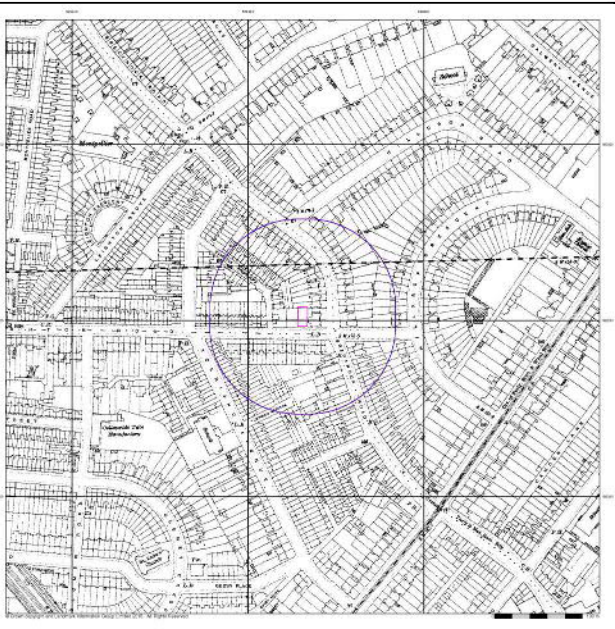
Historical Map - Segment A13

Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

London

Published 1915 - 1916

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 1830, 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)

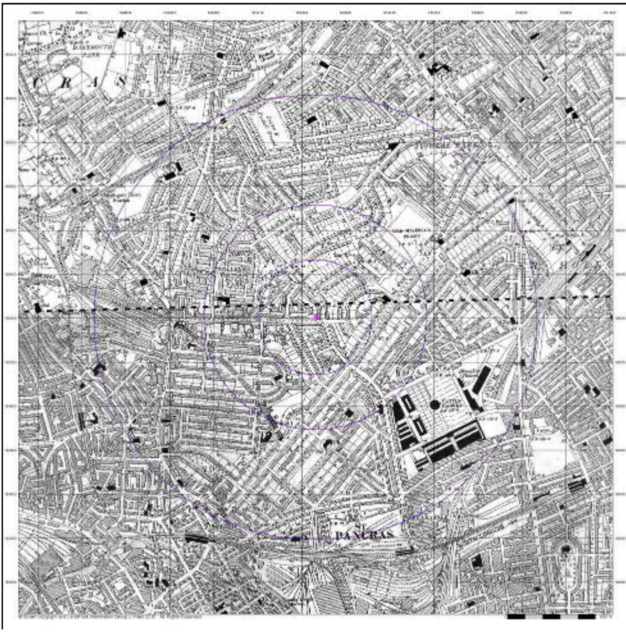
Historical Map - Segment A13

Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



Geotechnical & Environmental Associates

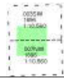
London

Published 1896

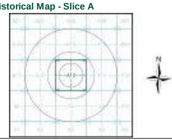
Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

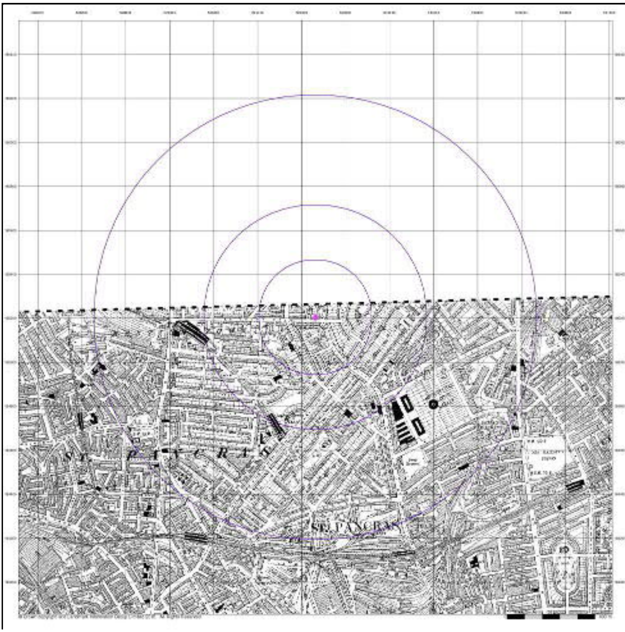
Order Number: 81506236_1_1
Customer Ref: J16038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark

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



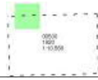
London

Published 1920

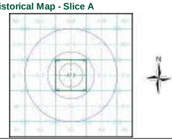
Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



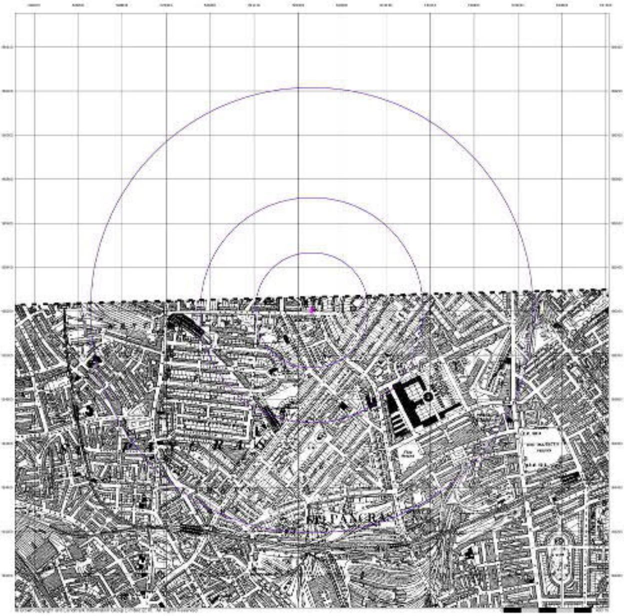
Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

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



Geotechnical & Environmental Associates

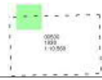
London

Published 1938

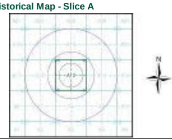
Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark

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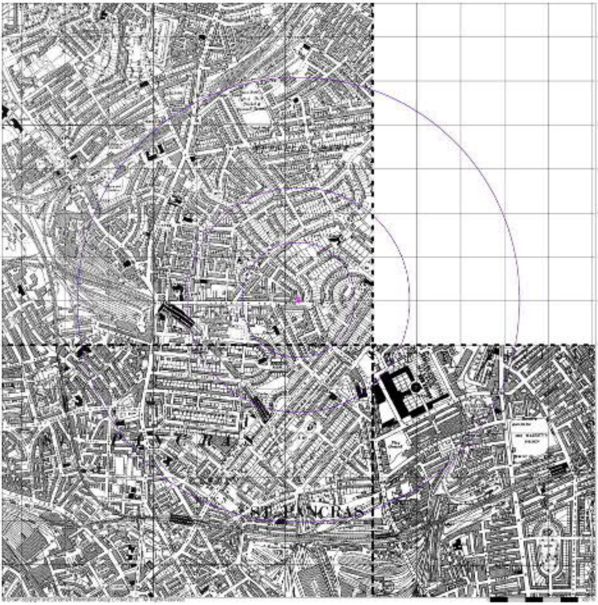


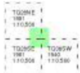
Ordnance Survey Plan

Published 1940 - 1951

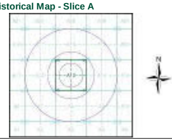
Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 81506236_1_1
Customer Ref: J16038
National Grid Reference: 529660, 185200
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

193 Leighton Road, LONDON, NW5 2RD

GEA Geotechnical & Environmental Associates

Historical Aerial Photography

Published 1946 - 1949

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)

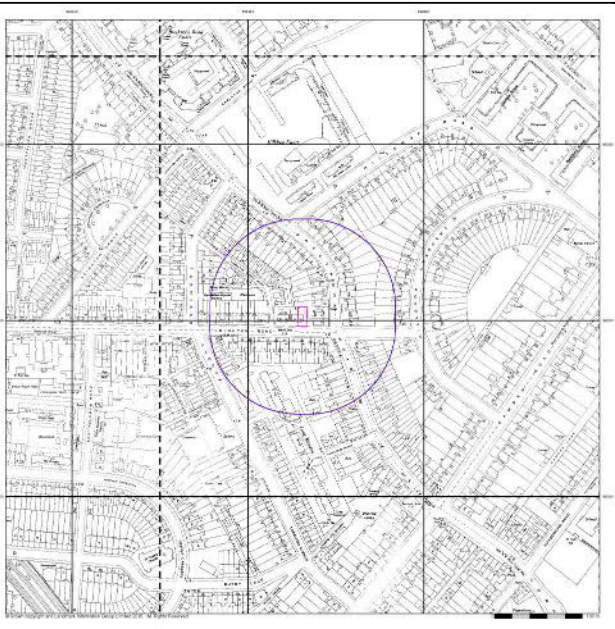
Historical Aerial Photography - Segment A13

Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



Geotechnical & Environmental Associates

Ordnance Survey Plan

Published 1953 - 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 1836, 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:	81506236_1_1
Customer Ref:	J16038
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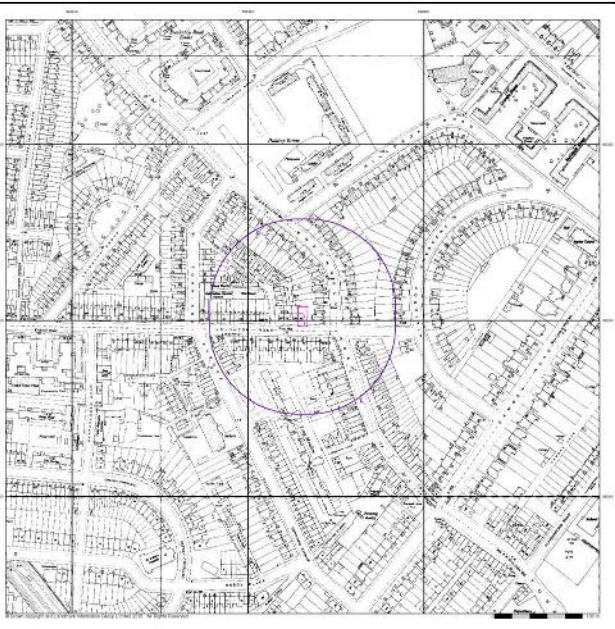
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD

Landmark Information Group

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



GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

Published 1954

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 1836, 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)

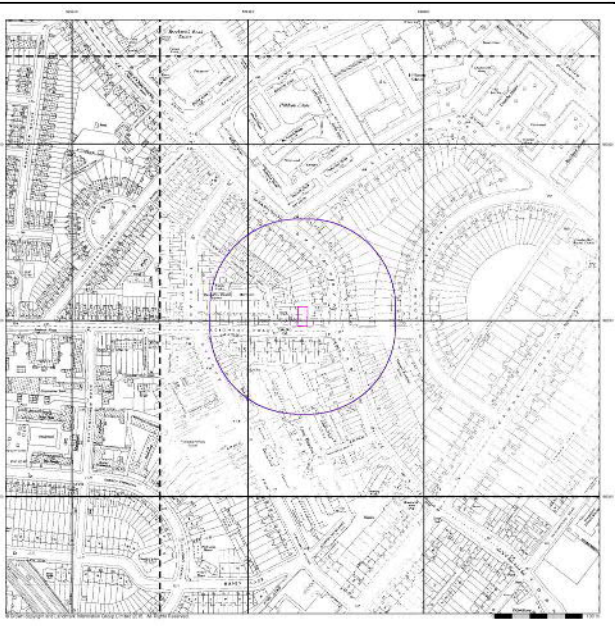
Historical Map - Segment A13

Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

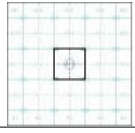
Published 1956 - 1969

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 1830, 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:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
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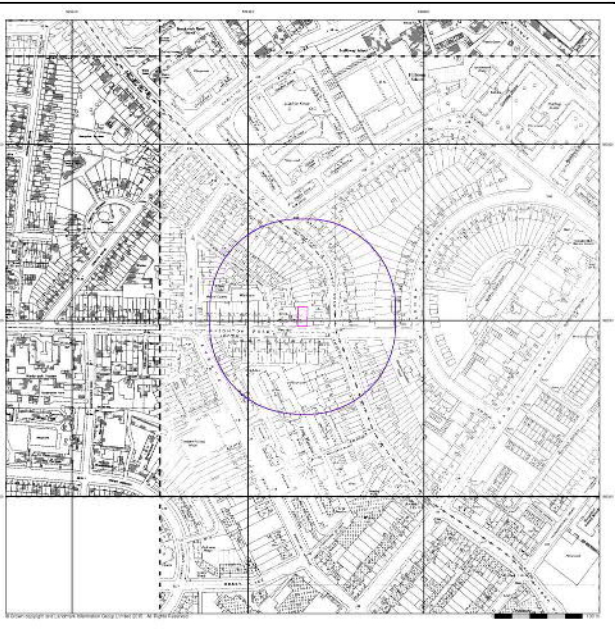
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

Published 1967 - 1979

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, ie 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 1836, 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)

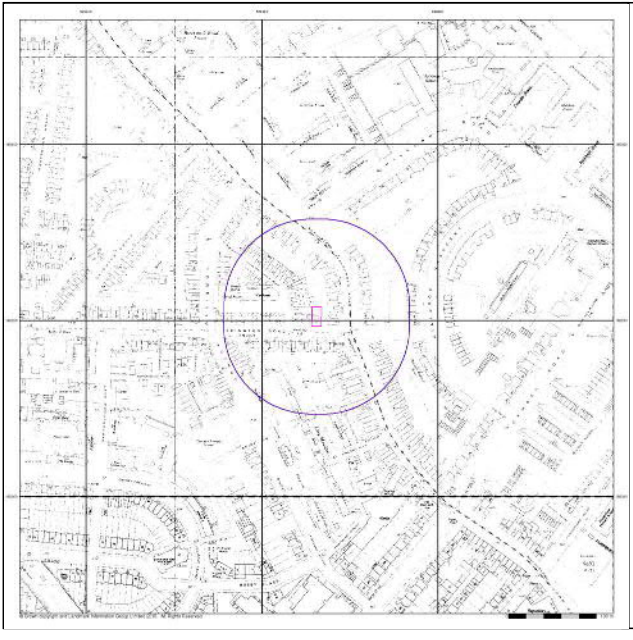
Historical Map - Segment A13

Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

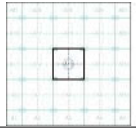
Published 1970

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, ie 1/2500 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 1836, 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:	81506236_1_1
Customer Ref:	J16038
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Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

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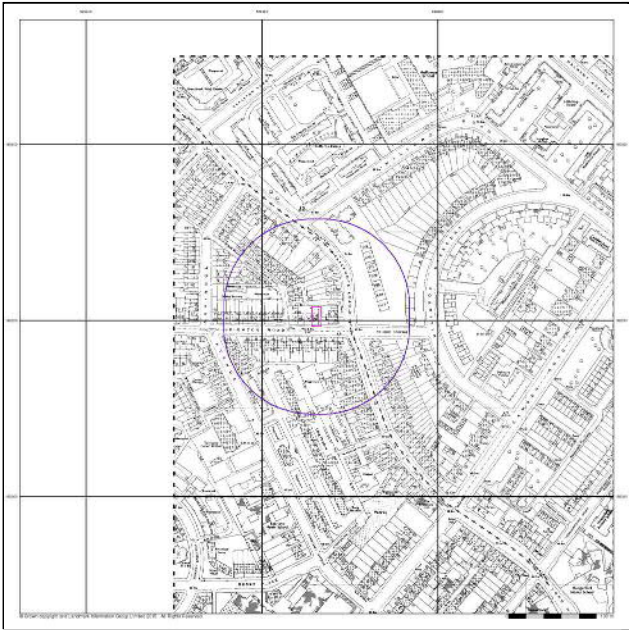


GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

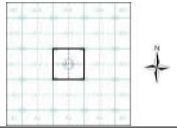
Published 1973 - 1975

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 1836, 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

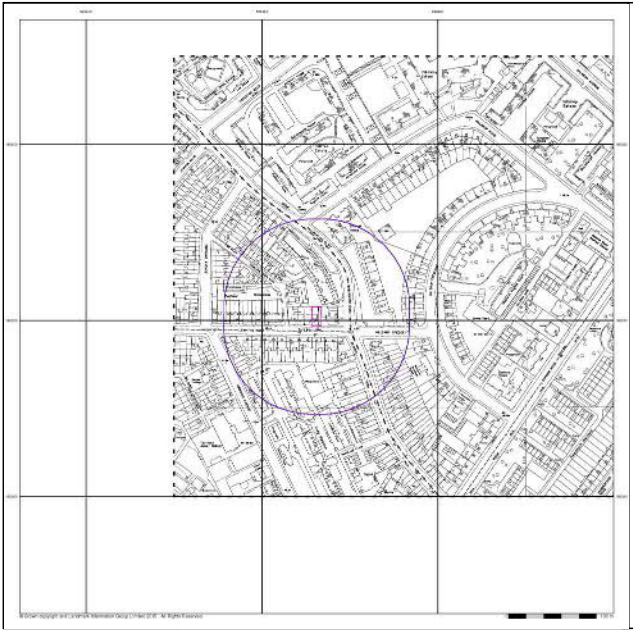


Order Details

Order Number:	81506236_1_1
Customer Ref:	J16038
National Grid Reference:	529660, 185200
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Ordnance Survey Plan

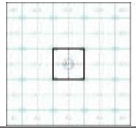
Published 1980

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 1830, 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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Search Buffer (m):	100

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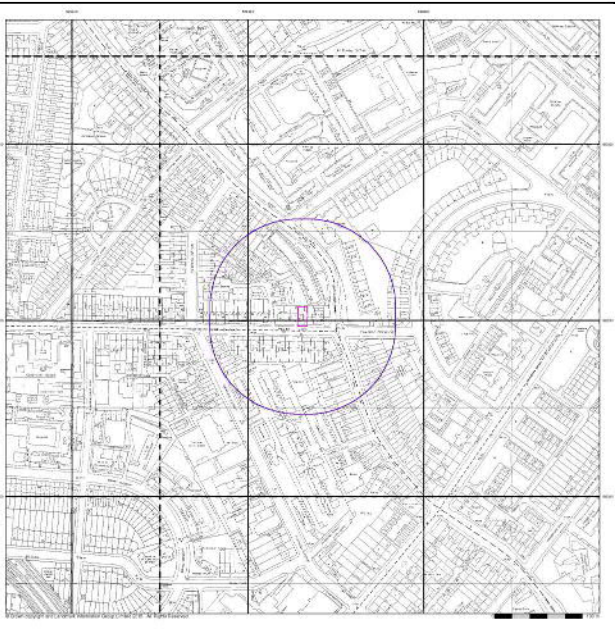
193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

Large-Scale National Grid Data

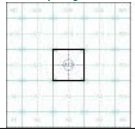
Published 1991

Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

Historical Map - Segment A13



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Site Details

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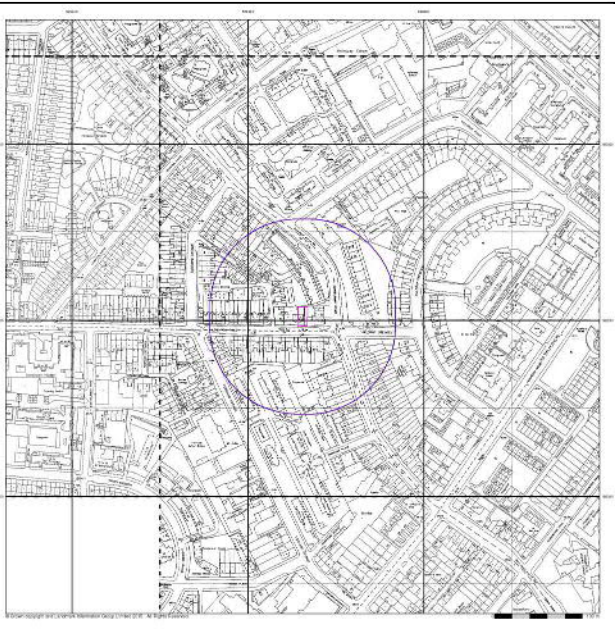


GEA Geotechnical & Environmental Associates

Large-Scale National Grid Data

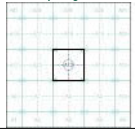
Published 1992 - 1995

Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1996. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

Historical Map - Segment A13



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Site Details

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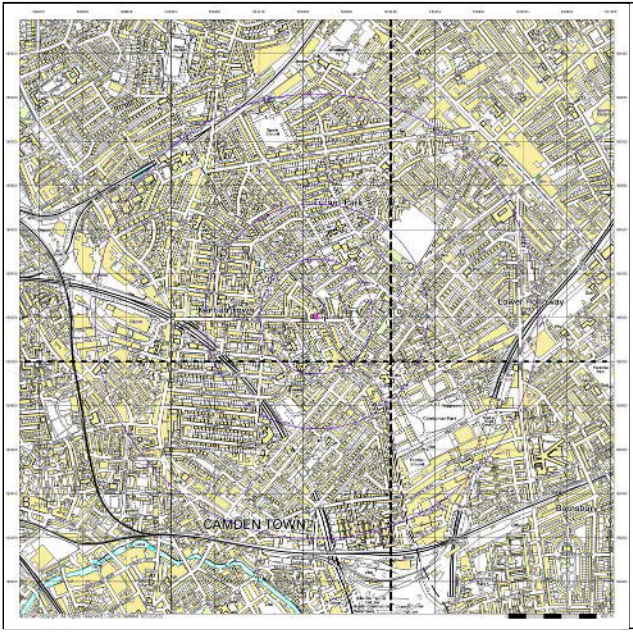


GEA Geotechnical & Environmental Associates

10k Raster Mapping

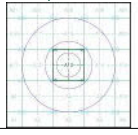
Published 2006

Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

Historical Map - Slice A



Order Details

Order Number:	81506236_1_1
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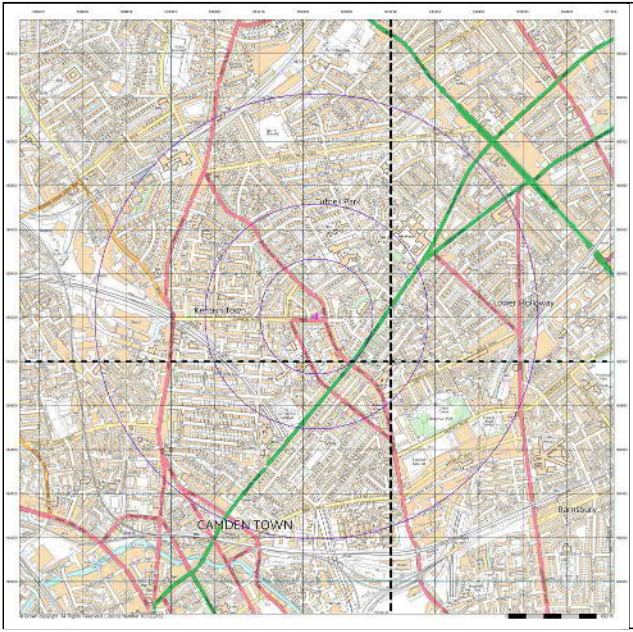
Site Details

193 Leighton Road, LONDON, NW5 2RD



GEA Geotechnical & Environmental Associates

VectorMap Local

Published 2016

Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

Historical Map - Slice A

Order Details

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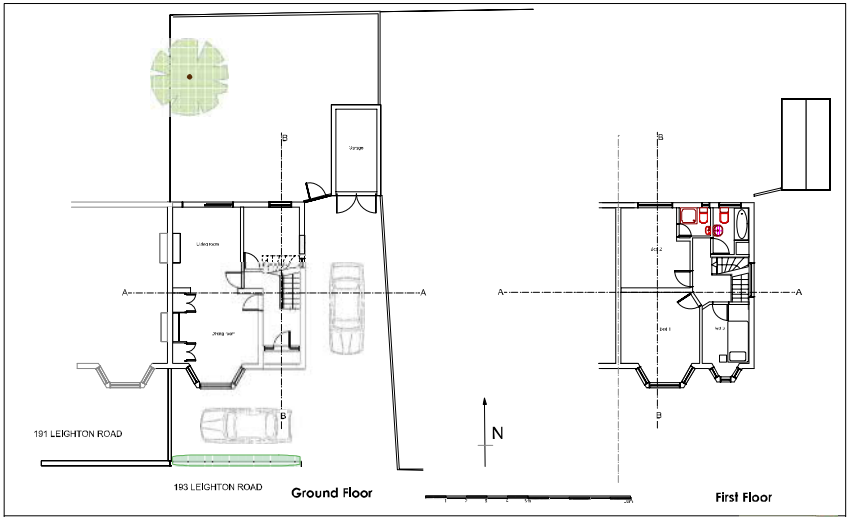
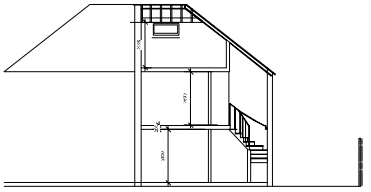


193 Leighton Road, NW5 2RD

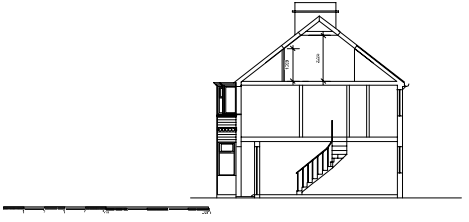
Existing Floorplans LR /P02

1/100 @ A3

Sam Stork Associates
tel: 07973555121
sam@samstork.com
www.samstork.com



Section AA



Cross Section BB

193 Leighton Road, NW5 2RD

Sections as Existing

LR /P04

1/100 @ A3

Sam Stork
Associates
tel: 07974555108
sam@samstork.com
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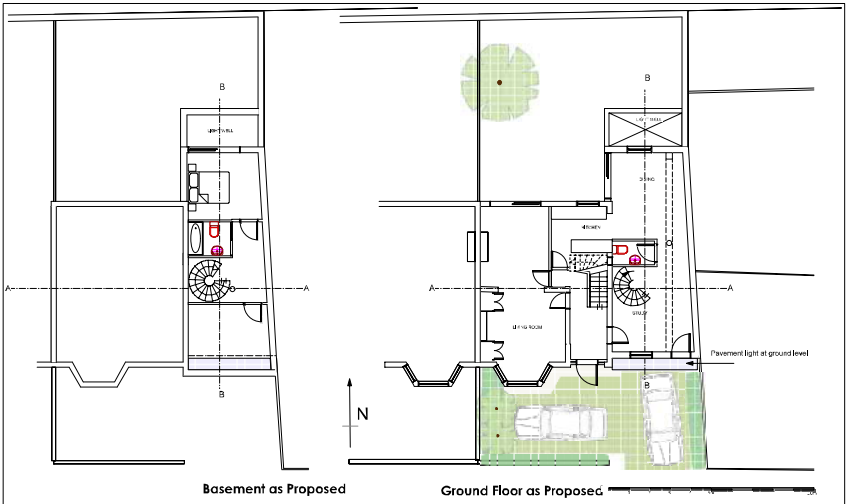

Basement as Proposed

Ground Floor as Proposed

193 Leighton Road, NW5 2RD

Proposed Basement and Ground Floor/ Site

LR /P11

1/100 @ A3

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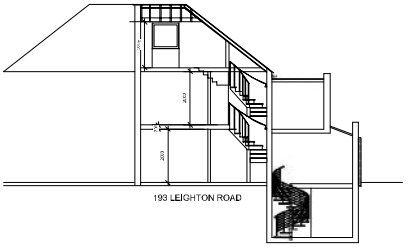
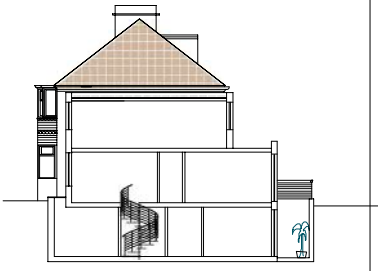


Section AA



Cross Section BB

193 Leighton Road, NW5 2RD | Sections as Proposed | LR /P14 | 1/100 @ A3

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N

193 Leighton Road, NW5 2RD

Location Map

LR /P01

1/1250 @ A3

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Geotechnical & Environmental Associates (GEA)
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