DESK STUDY & BASEMENT IMPACT ASSESSMENT REPORT

13 Prince Albert Road
London NW1

Client: Richard Tant Associates

Engineer: Sharon Waterman

J11186

December 2016




GEA Geotechnical & Environmental Associates

Document Control

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Report prepared by	Juliet Fuller BSc MSc DIC FGS		
With input from	Martin Cooper BEng CEng MICE FGS		
	John Evans MSc FGS CGeol		
	Rupert Evans MSc CEnv CWEM MCIWEM AIEMA		
Report checked and approved for issue by	Steve Branch BSc MSc CGeol FGS FRGS MIEnvSc		

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This report has been issued by the GEA office indicated below. Any enquiries regarding the report should be directed to the office indicated or to Steve Branch in our Herts office.

☑	Hertfordshire	tel 01727 824666	mail@gea-ltd.co.uk
☐	Nottinghamshire	tel 01509 674888	midlands@gea-ltd.co.uk

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EXECUTIVE SUMMARY

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

BRIEF

This report describes the findings of a desk study and Basement Impact Assessment carried out by Geotechnical and Environmental Associates (GEA), on the instructions of Richard Tant Associates on behalf of Sharon Waterman. The purpose of the work has been to determine the history of the site, to assess the potential for contamination, to provide preliminary information on foundation options and to review any possible impact on the local soil and groundwater regime with respect to the proposed redevelopment of this site through the construction of an additional basement level and swimming pool constructed from the existing lower ground floor level. This report provides an updated version of the desk study and BIA which was completed in November 2011 in light of the revised development scheme.

A separate ground investigation of this site was undertaken by GEA in October 2012, the findings of which are discussed herein and copies of the borehole records are included in the appendix. A full ground investigation report is being prepared as a stand-alone document and has not yet been completed. The report also includes information required to comply with the London Borough of Camden (LBC) Planning Guidance CPG4, relating to the requirement for a Basement Impact Assessment (BIA) including a ground movement assessment.

DESK STUDY FINDINGS

Greenwood's Map of London, dated 1827, shows Prince Albert Road to have been developed and labelled as Primrose Hill Road at that time, although no houses had been constructed. By 1859, John Snow's map shows the site to have been developed and the outline of the existing house can clearly be seen on the earliest OS map studied, dated 1876. Very little change is shown on subsequent maps throughout the 20th Century.

GROUND CONDITIONS

The boreholes encountered the expected ground conditions in that, beneath a moderate thickness of made ground, which extended to depths of between 0.5 m and 1.8 m, London Clay was encountered and extended to 20.0 m, the maximum depth investigated. Seepage of groundwater was recorded at a depth of 4.0 m in one of the window sampler boreholes advanced from lower ground floor level. No inflows were recorded in the cable percussion borehole at the front of the site. A standpipe was installed to a depth of 7.0 m at the front of the site and was recorded to be dry to a depth of 2.0 m, a couple of days after installation, where the pipe was noted to be blocked.

CONCLUSIONS

On the basis of the desk study findings, the contamination risk has been assessed as very low. It would, however, be prudent to carry out a ground investigation to provide a preliminary assessment of the presence of contamination. The expected ground conditions at the site indicate that spread or piled foundations bearing on the London Clay should be a suitable solution for the anticipated moderately light loads. A ground investigation should be carried out to confirm the ground profile and strength of the soils.

BASEMENT IMPACT ASSESSMENT

Five potential impacts were identified as a result of the screening exercise but the majority of these impacts can be mitigated by appropriate design and standard construction practice. The canal is at sufficient distance and depth to be unaffected by the development. Monitoring of the standpipe should be continued to determine the equilibrium water level and protection from groundwater inflows may be required in the basement excavation. Any inflows from within the London Clay would be expected at a very slow rate which could be suitably controlled by sump pumping.

1.0 INTRODUCTION

Geotechnical and Environmental Associates (GEA) was commissioned in 2011 by Richard Tant Associates on behalf of Sharon Waterman, to carry out a desk study and Basement impact assessment at 13 Prince Albert Road, London NW1 7SR. A ground investigation was also undertaken at the time with the findings and recommendations reported separately; however a copy of the borehole records are included and discussed herein. Following the initial work in 2011, planning consent was gained for a scheme that comprised extending the existing property and the building works have now been completed. The finished scheme differs slightly to that originally described in 2011 and this report has therefore been updated to reflect the changes.

This Basement Impact Assessment (BIA) has been carried out in accordance with guidelines from the London Borough of Camden (LBC) in support of a planning application.

1.1 Proposed Development

Consideration is being given to the redevelopment of this site through the construction of a basement to a depth of 3.6 m below the existing lower ground floor level and a swimming pool constructed from basement level. The underside of the pool excavation will extend to approximately 5.5 m below existing lower ground floor level. The proposed basement will extend beneath the existing house and the front driveway.

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

1.2 Purpose of Work

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

- to determine the history of the site and surrounding area, particularly with respect to any previous or present potentially contaminative uses;
- to research the geology and hydrogeology of the site;
- to check records of data on groundwater, surface water and other publicly available environmental data;
- to use the information obtained in the above searches to carry out a qualitative risk assessment with respect to subsurface contamination; and
- to provide preliminary comments on foundation options and recommendations for appropriate ground investigation; and
- to provide an assessment of the impact of the proposed development on groundwater, surface water and land stability.

1.3 Scope of Work

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

- a review of readily available geological maps;
- a review of publicly available environmental data sourced from the Landmark Envirocheck database;

- a review of historical Ordnance Survey (OS) maps supplied by Landmark;
- a review of the GEA archive; and
- provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

In addition, a ground investigation has previously been undertaken at this site by GEA and borehole records are included; the findings are discussed herein.

1.3.1 Basement Impact Assessment

The work carried out also 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.

1.3.2 Qualifications

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

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.

1.4 Limitations

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

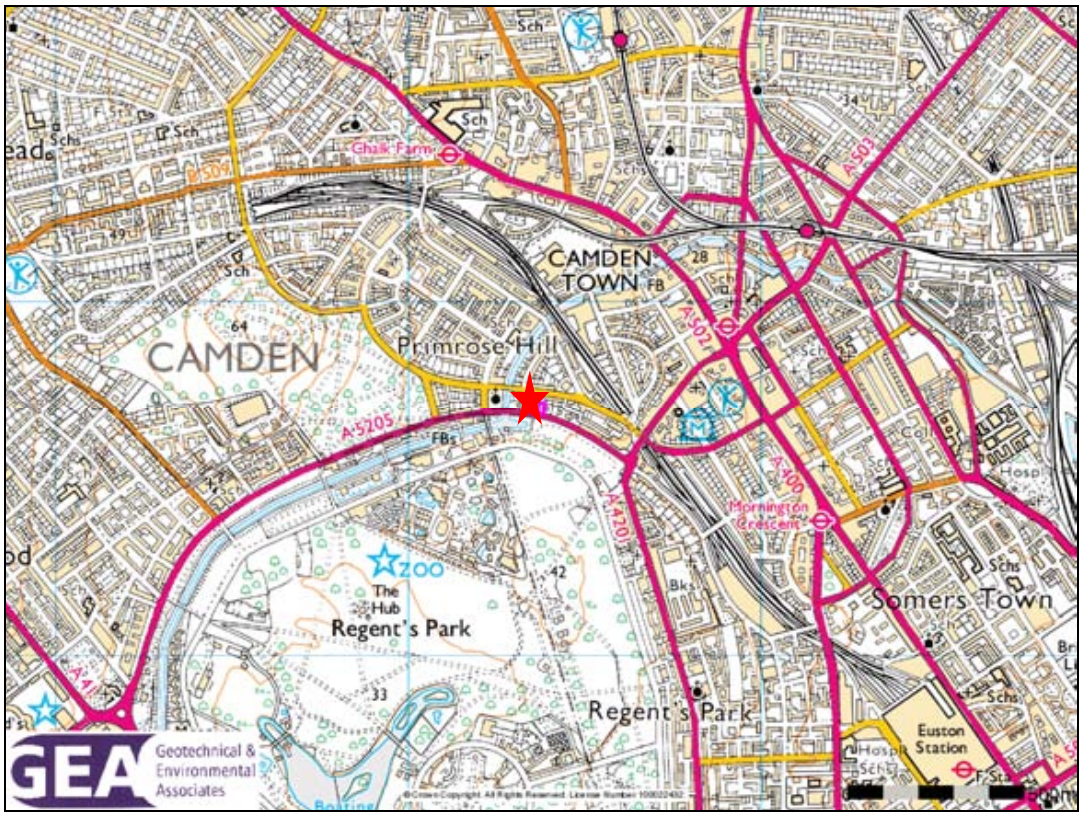
1 London Borough of Camden Planning Guidance CPG4 *Basements and lightwells*
2 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010

2.0 THE SITE

2.1 Site Description

The site is located 1200 m to the northwest of Euston railway station and may be additionally located by National Grid Reference 528350, 183700.

The site fronts onto Prince Albert Road to the south and is bordered by semi-detached villas to the east and west, and semi-detached townhouses to the north. The site is roughly rectangular in shape, measuring approximately 30 m by 15 m. It is occupied by a semidetached Regency villa of five storeys, including a lower ground level. The house is centrally positioned on the site with a hard covered driveway to the front and garden at the rear. The rear garden is at lower ground floor level; is accessed by steps on the western side of the house and comprises a central lawn with bushes along the northern and western boundaries; a paved path runs along the back of the house and a small patio area is present in the east of the garden. There are two semi-mature silver birch trees located on the southern boundary of the site.



The site and surrounding area are essentially level at an Ordnance datum (OD) level of approximately 34.0 m OD according to the most recent Ordnance Survey (OS) map.

2.2 Site History

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

Greenwood's Map of London, date d 1827, shows Prince Albert Road to have been developed and labelled as Primrose Hill Road at that time, although no houses had been constructed. By 1859, John Snow's map shows the site to have been developed and the outline of the existing house can clearly be seen on the earliest OS map studied, dated 1876. Very little change is shown on subsequent maps throughout the 20th Century.

2.3 Other Information

A search of public registers and databases has been made via the Envirocheck database and a summary of the results of this search is included in the Appendix. More detailed information relating to the search can be provided on request.

No operational or historic landfills are recorded within 250 m of the site and there are no licensed waste transfer, treatment or disposal sites within 250 m. There are no controlled processes operating within 250 m of the site.

A minor pollution incident is recorded to have occurred 48 m to the west of the site in 1999, but this is unlikely to have had a detrimental impact on the site.

The site is located in an area where less than 1% of homes are affected by radon emissions; therefore no radon protective measures will be necessary.

The site is at low risk of potential stability hazards, including landslides and dissolution.

3.0 GROUND CONDITIONS

3.1 Soil Conditions

The British Geological Survey (BGS) map of the area (Sheet 256) shows the site to be directly underlain by London Clay.

A single cable percussion borehole was advanced to a depth of 20 m at the front of the site on 24 November 2011. The deep borehole was supplemented by two window sampler boreholes which extended to a maximum depth of 6.0 m. The boreholes encountered the expected ground conditions in that beneath a moderate thickness of made ground, which extended to depths of between 0.5 m and 1.8 m, London Clay was encountered. The made ground comprised topsoil and clay with gravel, brick, concrete and charcoal in the rear garden, whereas 'Type 1' aggregate was recorded beneath the driveway at the front of the site. The London Clay initially comprised firm brown mottled grey fissured clay which extended to the base of the window sampler boreholes and to 13.0 m in Borehole No 1. Below the weathered clay, stiff grey fissured clay was encountered and extended to the maximum depth investigated of 20.0 m.

3.2 Surface and Groundwater Conditions

The Regent's Canal lies in a relatively steep sided cutting roughly 30 m to the south of the site. The canal forms part of the Grand Union Canal and connects with the River Thames at Limehouse, 8.5 km to the southeast.

The underlying London Clay is classified as Unproductive Strata. The site does not lie within an Environment Agency designated Source Protection Zone (SPZ). The site is not within an area indicated by the Environment Agency to be at risk from flooding.

Seepage of groundwater was recorded at a depth of 4.0 m in one of the window sampler boreholes advanced from lower ground floor level. No inflows were recorded in the cable percussion borehole at the front of the site. A standpipe was installed to a depth of 7.0 m at the front of the site and has been monitored on a single occasion. The standpipe was recorded to be dry to a depth of 2.0 m, but the pipe was noted to be blocked at that depth. Nearby investigations did not encounter groundwater within the London Clay.

The southern part of the site is currently covered by buildings or hard standing, and the adjacent land is covered in essentially the same arrangement. Infiltration of rain water therefore generally only occurs in the rear garden, with the majority of surface runoff likely to drain into combined sewers in the road, or possibly into a soakaway.

4.0 RISK ASSESSMENT

4.1 Environmental Risks

The desk study research has indicated this site to have been occupied by the existing house since at least 1859. As such, no potentially contaminative land uses have been identified on or within close vicinity to the site.

No landfill sites or areas of infilled ground have been identified within 250 m of the site and, therefore, a risk from soil gas is not envisaged.

Part IIA of the Environmental Protection Act 1990, which was inserted into that Act by Section 57 of the Environment Act 1995, provides a regulatory regime for the identification and remediation of contaminated land. As part of the new regime local authorities are required to carry out inspections of their area to identify sites that may be contaminated. The determination of contaminated sites is based on a "suitable for use" approach which involves investigating the risks posed by contaminated land by making risk-based decisions. This risk assessment is carried out on the basis of establishing one or more "pollution linkages"; a pollution linkage requires a source of contamination, a sensitive target or receptor that is at risk from the contamination and a pathway by which the contamination can travel from the source to the target.

For this site no sources of pollution have been identified and no new targets are at risk, there is therefore a VERY LOW risk of contamination.

4.2 Development Issues

The proposed redevelopment of the site includes the construction of a single level basement and a swimming pool constructed from basement level. On the basis of the information provided the formation level of the new basement is anticipated to be roughly 3.6 m below existing lower

ground floor, which is assumed to be approximately 6 m below the level of Prince Albert Road. The basement level will be locally deepened by another 2 m in the south of the site to accommodate the proposed swimming pool. The new basement will extend beneath the house and front drive, and partially below the rear garden. Formation level is therefore anticipated to be within the London Clay.

The foundation loads for the proposed development are unlikely to increase the existing loads of the house and no additional loads are proposed. It is understood that the current proposal is to support the structural loads by means of piled foundations, with mass concrete underpinning along the party wall. There may therefore be a small increase in loading along the party wall.

5.0 SCREENING ASSESSMENT

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.

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.

5.1 Subterranean (groundwater) Screening Assessment

Question	Response for 13 Prince Albert Road
1a. Is the site located directly above an aquifer?	The site is underlain by the London Clay which is designated Unproductive Strata
1b. Will the proposed basement extend beneath the water table surface?	Unlikely. The London Clay cannot generally support groundwater flow due to its very low permeability and cohesive nature and therefore cannot support a continuous groundwater table
2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line?	No. The Regent's Canal is located roughly 30 m to the south of the site. However, this is a man-made watercourse and is not dependent on local groundwater flow.
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. it is proposed to keep the proportion of hardstanding roughly the same
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. Run-off from hardstanding will drain to the sewer system, as it does currently.
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	No.

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

Q1b The excavation may extend below the groundwater level.

5.2 Stability Screening Assessment

Question	Response for 13 Prince Albert Road
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No.
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	No.
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	No.
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	No.
5. Is the London Clay the shallowest strata at the site?	No.
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.
7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site?	Yes – the area is prone to these effects as a result of the presence of shrinkable London Clay and abundant mature trees
8. Is the site within 100 m of a watercourse or potential spring line?	No. The Regent's Canal is located roughly 30 m to the south of the site. However, this is a man-made watercourse.
9. Is the site within an area of previously worked ground?	No.
10. Is the site within an aquifer?	No
11. Is the site within 50 m of Hampstead Heath ponds?	No.
12. Is the site within 5 m of a highway or pedestrian right of way?	Yes. Prince Albert Road and the associated footway is parallel to the southern boundary.
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Yes – the development will include new piled foundations and it is understood that adjacent properties have shallow foundations
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	No.

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

Q7 The site is in an area of seasonal shrink-swell.
Q12 The site is within 5 m of a public highway.
Q13 The development will increase the foundation depths relative to the neighbouring properties to a relatively significant extent.

5.3 Surface Flow and Flooding Screening Assessment

Question	Response for 13 Prince Albert 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. The basement will be beneath the footprint of the existing building and hardstanding, 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 across these areas.
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.
4. Will the proposed basement development result in changes to the profile of the iflows (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. The basement will be beneath the footprint of the existing building and hardstanding, 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 across these areas.
5. Will the proposed basement result in changes to the quality of surface water being received by adjacent properties or downstream watercourses?	No. The proposed basement is very unlikely to result in any changes to the quality of surface water being received by adjacent properties or downstream watercourses as the surface water drainage regime will be unchanged and the land uses will remain the same.
6. Is the site in an area identified to have surface water flood risk according to either the Local Flood Risk Management Strategy or the Strategic Flood Risk Assessment or is it at risk of flooding, for example because the proposed basement is below the static water level of nearby surface water feature?	No. The findings of this BIA together with the Camden Flood Risk Management Strategy dated 2013 and Figures 3ii, 4e, 5a and 5b of the SFRA dated 2014, in addition to the Environment Agency online flood maps show that the site has a low flooding risk from surface water, sewers, reservoirs (and other artificial sources), groundwater and fluvial/tidal watercourses. It is possible that the basement will be constructed within a perched water table and the recommendations outlined in the BIA with regards to water-proofing and tanking of the basement will reduce the risk to acceptable levels. In accordance with paragraph 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 site is located within the Critical Drainage Area Group03_003 and the Primrose Hill Local Flood Risk Zone, as identified in the Camden SWMP and Updated SFRA Figure 6/Rev 2.

The above assessment has not identified any potential issues that need further assessment, although the hydrological setting is discussed further within this report.

6.0 SCOPING ASSESSMENT

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

6.1 Potential Impacts

The following potential impacts have been identified by the screening process and the consequence or mitigation measures to limit the impact are detailed in the table below.

Potential Impact	Consequence/ Mitigation
The basement may extend below the groundwater level	The investigation recorded seepage of groundwater in the London Clay at a depth of 4.0 m below lower ground floor level. The proposed excavation for the swimming pool will extend to a depth of 5.5 m below lower ground floor level and as such groundwater may be encountered. The seepage of groundwater at one location may be attributable to perched groundwater associated with a claystone or pocket of sand and as such may not represent a true groundwater level. Any inflows from within the London Clay would be expected at a very slow rate which could be suitably controlled by sump pumping.
The underlying London Clay will be subject to seasonal shrink-swell	The proposed development involves deepening the foundations to below what would be expected as a depth of influence of tree roots on the basis of the trees present on the site. If any trees are removed consideration would need to be given to the effects of clay swelling, but similarly the foundations are to be placed at depths that should not be affected. Subject to inspection of foundation excavations in the normal way to ensure that there is not significant unexpectedly deep root growth, it is not considered that the occurrence of shrink-swell issues in the local area has any bearing on the proposed development.
Is the site located within 5 m of a public highway	We understand that retaining walls have been designed to maintain the stability of the adjacent road and associated infrastructure. There is nothing unusual or exceptional in the proposed development that gives rise to any concerns with regard to stability over and above any development of this nature.
The new development is likely to increase the founding depths relative to the neighbours	It is proposed to utilise mass concrete underpins to support the party wall between the two semi-detached houses. The excavations can be readily managed using standard engineering solutions to ensure that the stability of the adjacent foundations is maintained. These solutions include preventing excavation within a zone that would lead to instability, and constructing retaining walls in limited panel widths to ensure that no more general stability problems arise.

7.0 CONCLUSIONS

Consideration is being given to the redevelopment of this site through the excavation of a basement to a depth of 3.6 m below the existing lower ground floor level and a swimming pool constructed from basement level which will extend to roughly 5.5 m.

A Basement Impact Assessment has been carried out following the information and guidance published by the London Borough of Camden. Five potential impacts were identified as a result of the screening exercise. It has been concluded that the majority of these impacts can be mitigated

by appropriate design and standard construction practice, particularly with respect to seasonal shrink / swell, the founding depth relative to the neighbours, and the stability of the highway. The canal is at sufficient distance and depth to be unaffected by the development. Monitoring of the standpipe should be continued to determine the equilibrium water level and protection from groundwater inflows may be required in the basement excavation. Any inflows from within the London Clay would be expected at a very slow rate which could be suitably controlled by sump pumping.

It is concluded that standard safe working practices and measures that will be adopted to construct the basement mean that the proposed development is unlikely to result in any specific groundwater, surface water, land or slope stability issues.

APPENDIX

Borehole Records

Envirocheck Report

Historical Maps

Site Plan

GEA Geotechnical & Environmental Associates	Tyttenhanger House Coursers Road St Albans AL4 0PG	**Site** 13 Prince Albert Road, London NW1 7SR	**Borehole Number** **BH1**

Boring Method	**Casing Diameter**	**Ground Level (mOD)**	**Client**	**Job Number**
Cable Percussion	150mm cased to 1.50m		Ms Sharon Waterman	J11186
	Location	**Dates** 24/11/2011	**Engineer** Richard Tant Associates	**Sheet** 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(0.20)	Made ground (granite setts over sand and cement)		
						0.20	Made ground (crushed aggregate over dark brown clayey sand with gravel, brick and tarmac fragments)		
0.40	D1								
						(0.90)			
0.90	D2								
						1.10	Firm orange-brown mottled grey medium strength CLAY with carbonaceous fragments. Discoloured with a slight malodour from 2.4 m to 3.4 m		
1.20-1.65	U3								
1.60	D4								
2.00-2.45	SPT N=7	1.50	DRY	1,1/1,2,2,2					
2.00	D5								
2.80	D6								
3.00-3.45	U7								
						(4.40)			
3.50	D8								
4.00-4.45	SPT N=12	1.50	DRY	2,2/2,3,3,4					
4.00	D9								
4.80	D10								
5.00-5.45	U11								
						5.50	Stiff brown mottled grey high strength fissured silty CLAY with occasional partings of orange-brown silt and selenite crystals		
5.50	D12								
6.00-6.45	SPT N=15	1.50	DRY	2,3/3,4,4,4					
6.00	D13								
7.50-7.95	U14								
8.00	D15								
9.00-9.45	SPT N=21	1.50	DRY	3,4/4,5,6,6					
9.00	D16								
						(7.50)			

Remarks
Services inspection pit excavated to 1.2 m for 1 hour 30 mins
Groundwater monitoring standpipe installed to a depth of 6.0 m on completion
Groundwater not encountered

Scale (approx)	**Logged By**
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Figure No.
J11186.BH1

Geotechnical & Environmental Associates	Tyttenhanger House Coursers Road St Albans AL4 0PG	**Site** 13 Prince Albert Road, London NW1 7SR	**Borehole Number** **BH1**

Boring Method	**Casing Diameter**	**Ground Level (mOD)**	**Client**	**Job Number**
Cable Percussion	150mm cased to 1.50m		Ms Sharon Waterman	J11186
	Location	**Dates** 24/11/2011	**Engineer** Richard Tant Associates	**Sheet** 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50-10.95	U17								
11.00	D18					(7.50)			
12.00-12.45	SPT N=23	1.50	DRY	4,5/5,5,6,7					
12.00	D19								
						13.00			
13.10	D20						Stiff grey very high strength fissured locally silty CLAY		
13.50-13.95	U21								
14.00	D22								
15.00-15.45	SPT N=25	1.50	DRY	4,5/5,6,7,7					
15.00	D23								
16.50-16.95	U24					(7.00)			
17.00	D25								
18.00-18.45	SPT N=28	1.50	DRY	5,5/6,7,7,8					
18.00	D26								
19.50-19.95	U27								
20.00	D28					20.00			

Remarks

Scale (approx)	**Logged By**
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Figure No.
J11186.BH1

Geotechnical & Environmental Associates	Tyttenhanger House Coursers Road St Albans AL4 0PG	**Site** 13 Prince Albert Road, London NW1 7SR	**Number** **BH2**
Excavation Method Drive-in Window Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** Ms Sharon Waterman	**Job Number** J11186
	Location	**Dates** 28/11/2011	**Engineer** Richard Tant Associates	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50	D1				(1.00)	Made Ground (topsoil overlying dark brown silty sandy clay with rootlets, gravel, charcoal and brick fragments)		
1.00	D2				1.00			
1.50	D3				(0.80)	Made Ground (orange-brown mottled grey clay with pockets of sand, chalk fragments, black carbonaceous deposits and rare brick fragments)		
1.80	D4				1.80			
					(1.20)	Firm brown mottled grey fissured CLAY with roots and a layer of grey fine to coarse sand at 2.76 m		
3.00	D5				3.00			
					(0.10)	Grey fine to coarse SAND		
3.50	D6				3.10	Firm brown mottled grey fissured CLAY		
			seepage(1) at 4.00m.					▽1
4.50	D7				(2.90)			
6.00	D8				6.00			
						Complete at 6.00m		

Remarks

Scale (approx)	Logged By
1:50	AV

Figure No.
J11186.BH2

GEA Geotechnical & Environmental Associates	Tyttenhanger House Coursers Road St Albans AL4 0PG	**Site** 13 Prince Albert Road, London NW1 7SR	**Number** **BH3**
Excavation Method Drive-in Window Sampler	**Dimensions**	**Ground Level (mOD)**	**Client** Ms Sharon Waterman	**Job Number** J11186
	Location	**Dates** 28/11/2011	**Engineer** Richard Tant Associates	**Sheet** 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.50)	Made Ground (topsoil overlying dark brown silty sandy clay with brick, mortar, charcoal, concrete rubble, roots and rootlets)		
0.30	D1				0.50			
						Firm orange-brown mottled grey fissured CLAY with partings of orange-brown sand and rare selenite crystals		
1.20	D2							
1.80	D3							
3.00	D4				(5.50)			
4.00	D5							
5.00	D6							
6.00	D7				6.00			
						Complete at 6.00m		

Remarks
Groundwater was not encountered

Scale (approx)	Logged By
1:50	AV

Figure No.
J11186.BH3

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
35932322_1_1

Customer Reference:
J11186

National Grid Reference:
528350, 183700

Slice:
A

Site Area (Ha):
0.01

Search Buffer (m):
1000

Site Details:

13 Prince Albert Road
LONDON
NW1 7SR

Client Details:

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

Prepared For:

Sharon Waterman

Contents

Introduction

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

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

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Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v47.0

GEA Geotechnical & Environmental Associates

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	2	1
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			6	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3		1	1	1
Prosecutions Relating to Authorised Processes	pg 4		1		
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 4			7	2
River Quality	pg 5		1		1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6				1
Water Abstractions	pg 6			5	2 (*26)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 14	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 14			1	2
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
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 15			1	
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 15			2	1
Registered Waste Treatment or Disposal Sites	pg 16			1	

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 Recorded Mineral Sites					
BGS 1:625,000 Solid Geology	pg 17	Yes	n/a	n/a	n/a
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 17	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 17	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 17	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 18		3	20	159
Fuel Station Entries	pg 33			2	3

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: National Grid Company Plc. Property Type: Production & Distribution Of Electricity Location: Fitzroy Bridge Outlet, Primrosehill, Camden, London Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTMR.0387 Permit Version: 1 Effective Date: 28th March 1980 Issued Date: 28th March 1980 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Canal Receiving Water: Grand Unioncanal **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A13NE (N)	218	1	528360 183920
2	**Discharge Consents** Operator: The Jim Henson Studio Property Type: Recreational & Cultural Location: 30 Oval Road, Camden Town, London, Nw1 7de Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.2853 Permit Version: 1 Effective Date: 1st April 1997 Issued Date: 1st April 1997 Revocation Date: 30th September 2005 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Canal Receiving Water: Guc - Paddington Arm **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	430	1	528600 184050
2	**Discharge Consents** Operator: Rushes Motion Control Property Type: Recreational & Cultural Location: 30 Oval Road, Camden Town, London, Nw1 7de Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Cntm.1566 Permit Version: 1 Effective Date: 1st September 1994 Issued Date: 1st September 1994 Revocation Date: 1st October 1996 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Freshwater Stream/River Receiving Water: Guc - Paddington Arm **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	430	1	528600 184050
3	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: Reservoir/Borehole Site Location: Barrow Hill Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0018 Permit Version: 1 Effective Date: 15th September 1989 Issued Date: 15th September 1989 Revocation Date: 5th October 2000 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: River Thames **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A12SW (W)	755	1	527600 183600
4	**Local Authority Pollution Prevention and Controls** Name: Jet Petrol Station Location: 120 Parkway, LONDON, NW1 7NY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: 11th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	315	2	528655 183640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Local Authority Pollution Prevention and Controls** Name: Smart Dry Cleaners Location: 104 Parkway, London, Nw1 7an Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC20 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	A14SW (E)	339	2	528685 183676
6	**Local Authority Pollution Prevention and Controls** Name: London Zoo Location: Regents Park, LONDON, NW1 4RY Authority: Westminster City Council, Environmental Health Department Permit Reference: Not Given Dated: 1st November 1992 Process Type: Local Authority Air Pollution Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour **Status: Authorisation has expiredExpired** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	400	3	528016 183480
7	**Local Authority Pollution Prevention and Controls** Name: Paradise Cleaners Ltd Location: 58 Parkway, London, Nw1 7ah Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC39 Dated: 12th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	410	2	528753 183762
8	**Local Authority Pollution Prevention and Controls** Name: Wm Morrisons Supermarkets Plc Location: Chalk Farm Road, London, Nw1 8aa Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC1 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	A18SE (N)	453	2	528439 184146
9	**Local Authority Pollution Prevention and Controls** Name: Lex Volvo Location: 1 Dumpton Place, Gloucester Avenue, Chalk Farm, LONDON, NW1 8JB Authority: London Borough of Camden, Pollution Projects Team Permit Reference: Not Given Dated: 7th January 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	472	2	528165 184138
10	**Local Authority Pollution Prevention and Controls** Name: Wm Morrisons Supermarkets Plc Location: Chalk Farm Road, LONDON, NW1 8AA Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC19 Dated: 22nd December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	603	2	528426 184300
11	**Local Authority Pollution Prevention and Controls** Name: Primrose Valet Location: 91 Regent'S Park Road, London, Nw1 8ur Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC53 Dated: 28th January 2009 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	624	2	527917 184155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Local Authority Pollution Prevention and Controls** Name: Esso Location: 29 Chalk Farm Road, LONDON, NW1 8AG Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC15 Dated: 24th December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	628	2	528567 184291
13	**Local Authority Pollution Prevention and Controls** Name: Texaco Location: 81-85 Chalk Farm Road, LONDON, NW1 8AR Authority: London Borough of Camden, Pollution Projects Team Permit Reference: NOT GIVEN Dated: 24th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Site Closed** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	683	2	528269 184381
14	**Local Authority Pollution Prevention and Controls** Name: W Starling Location: 9 -11 Leybourne Road, CAMDEN, NW1 8QY Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC1 Dated: 9th January 1996 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	686	2	528811 184208
15	**Local Authority Pollution Prevention and Controls** Name: Camden Dry Cleaners Location: 27 Camden High Street, London, Nw1 7je Authority: London Borough of Camden, Pollution Projects Team Permit Reference: PPC/DC22 Dated: 25th 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	A14SE (E)	832	2	529141 183454
	Nearest Surface Water Feature	A13SW (SW)	45	-	528328 183662
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Prince Albert Road Authority: Environment Agency, Thames Region Pollutant: Not Given Note: Confirmed incident Incident Date: 4th April 1999 Incident Reference: THNE1999043097 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A13SW (W)	48	1	528300 183700
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Hampstead Road Lock, CAMDEN TOWN Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 17th December 1998 Incident Reference: THNE1998041401 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	457	1	528000 184000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: LONDON Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 15th January 1996 Incident Reference: SE960036 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	931	1	529100 184250
19	**Prosecutions Relating to Authorised Processes** Location: Regents Park Road, London, Nw1 Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 6th September 2007 Verdict: Guilty Fine: 85000 Costs: 8836 Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	167	1	528192 183763
20	**Registered Radioactive Substances** Name: Institute Of Zoology Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY Authority: Environment Agency, Thames Region Permit Reference: AQ9405 Dated: 30th August 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A13SW (SW)	397	1	528016 183485
20	**Registered Radioactive Substances** Name: Institute Of Zoology Location: London Zoo, Regents Park, LONDON, Greater London, NW1 4RY Authority: Environment Agency, Thames Region Permit Reference: AS7515 Dated: 21st December 1995 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Unknown	A13SW (SW)	403	1	528016 183475
20	**Registered Radioactive Substances** Name: Institute Of Zoology Location: Regents Park, London, NW1 4RY Authority: Environment Agency, Thames Region Permit Reference: Bw7007 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	404	1	528011 183480
20	**Registered Radioactive Substances** Name: Institute Of Zoology Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY Authority: Environment Agency, Thames Region Permit Reference: AC7596 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A13SW (SW)	404	1	528011 183480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Registered Radioactive Substances** Name: Institute Of Zoology Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY Authority: Environment Agency, Thames Region Permit Reference: AC7588 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Unknown	A13SW (SW)	407	1	528011 183475
21	**Registered Radioactive Substances** Name: Omnilabs (Uk) Ltd Location: Bewlay House, 32 Jamestown Road, LONDON, Greater London, NW1 7BY Authority: Environment Agency, Thames Region Permit Reference: AE8755 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Unknown	A13NE (NE)	435	1	528642 184022
21	**Registered Radioactive Substances** Name: Unilabs Clinical Pathology Location: Bewlay House, 32 Jamestown Road, LONDON, Greater London, NW1 7BY Authority: Environment Agency, Thames Region Permit Reference: BC2742 Dated: 21st October 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Application made in error** Positional Accuracy: Unknown	A13NE (NE)	452	1	528671 184018
22	**Registered Radioactive Substances** Name: Spirogen Ltd Location: 2, Royal College Street, London, NW1 0NH Authority: Environment Agency, Thames Region Permit Reference: CA5052 Dated: 20th December 2006 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A14NW (E)	626	1	528965 183798
22	**Registered Radioactive Substances** Name: Spirogen Ltd Location: 2, Royal College Street, London, NW1 0NH Authority: Environment Agency, Thames Region Permit Reference: CA5079 Dated: 20th December 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A14NW (E)	626	1	528965 183798
	River Quality Name: Guc (Paddington Arm) GQA Grade: River Quality E Reach: Canal Feeder - Camden Road Estimated Distance (km): 10.5 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (W)	91	1	528259 183722
	River Quality Name: Guc (Regent'S Canal) GQA Grade: River Quality C Reach: Camden Road - Hertford Union Estimated Distance (km): 7.1 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A14NE (E)	885	1	529172 184024

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Substantiated Pollution Incident Register** Authority: Environment Agency - Thames Region, North East Area Incident Date: 9th February 2008 Incident Reference: 562771 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Smoke	A19SW (NE)	578	1	528712 184151
24	**Water Abstractions** Operator: British Waterways Licence Number: 28/39/39/0164B Permit Version: Not Supplied Location: Southampton Bridge, LONDON, Nw8 Authority: Environment Agency, Thames Region Abstraction: Industrial Cooling (Cegb) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 3840 Yearly Rate (m3): 1 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	334	1	528500 184000
24	**Water Abstractions** Operator: British Waterways Board Licence Number: 28/39/39/0173 Permit Version: 100 Location: Oval Road, Camden - Grand Union Regents Canal Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 7000 Details: Land At Oval Road, Camden, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th December 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	348	1	528490 184020
24	**Water Abstractions** Operator: British Waterways Board Licence Number: 28/39/39/0164 Permit Version: 101 Location: Southampton Bridge, London, Nw8 - Regents Canal Authority: Environment Agency, Thames Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pipeline Alongside The Regents Canal, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	352	1	528500 184020
24	**Water Abstractions** Operator: British Waterways Board Licence Number: 28/39/39/0164 Permit Version: 100 Location: Southampton Bridge, London, Nw8 - Regents Canal Authority: Environment Agency, Thames Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3840 Yearly Rate (m3): 1 Details: Pipeline Alongside The Regents Canal, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	352	1	528500 184020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Water Abstractions** Operator: Zoological Society Of London Licence Number: 28/39/39/0035 Permit Version: 100 Location: Borehole At Regent'S Park, London Nw1 Authority: Environment Agency, Thames Region Abstraction: Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 59 Yearly Rate (m3): 681 Details: Regent'S Park, London Nw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	461	1	528000 183400
26	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 28/39/39/0231 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	708	1	527640 183690
26	**Water Abstractions** Operator: Thames Water Utilities Ltd Licence Number: 28/39/39/0202 Permit Version: 1 Location: Barrow Hill Pumping Station - Borehole Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Barrow Hill Pumping Station Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	708	1	527640 183690
	Water Abstractions Operator: London Borough Of Camden Licence Number: 28/39/39/0091 Permit Version: 100 Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 605 Yearly Rate (m3): 76509 Details: Kentish Town Sports Centre, Prince Of Wales Road, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	1095	1	528800 184700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board Licence Number: 28/39/39/0164 Permit Version: 100 Location: Maiden Lane Bridge, London, Nw1 - Regents Canal Authority: Environment Agency, Thames Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3840 Yearly Rate (m3): 1 Details: Pipeline Alongside The Regents Canal, London Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1972	1	530310 183520
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000	A13NE (W)	0	1	528347 183703
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	A13NE (W)	0	4	528347 183703
	Superficial Aquifer Designations No Data Available				
27	**Source Protection Zones** Name: Barrow Hill Source: Environment Agency, Head Office Reference: Th405 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A12NE (W)	463	1	527886 183736
28	**Source Protection Zones** Name: Barrow Hill Source: Environment Agency, Head Office Reference: Th405 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A12NE (W)	529	1	527819 183719
29	**Source Protection Zones** Name: Barrow Hill Source: Environment Agency, Head Office Reference: Th405 Type: Groundwater Source	A12SW (W)	708	1	527640 183690
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Licensed Waste Management Facilities (Locations)** Licence Number: 80482 Location: 28 Jamestown Road, London, NW1 7BY Operator Name: Camden London Borough Council Operator Location: Not Supplied Authority: Environment Agency - South East Region, North East Thames Area Site Category: Household Waste Amenity Sites **Licence Status: Surrendered** Issued: 15th October 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 25th July 1997 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	461	1	528667 184035
	Local Authority Landfill Coverage Name: London Borough of Camden - Has no landfill data to supply		0	6	528347 183703
	Local Authority Landfill Coverage Name: Westminster City Council - Has supplied landfill data		132	3	528222 183665
31	**Registered Waste Transfer Sites** Licence Holder: L.B. of Camden Licence Reference: DL251 Site Location: Jamestown Road Recycling Centre, 28 Jamestown Road, CAMDEN, London, NW1 Operator Location: Old Town Hall, Haverstock Hill, CAMDEN, London, NW3 4QP Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence has completion certificateSurrendered Dated: 5th October 1994 Preceded By Licence: DL251 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Lead/Acid Batteries Lwra Cat. A = Inert Wastes Lwra Cat. Bi Gen.Non-Putresc Mineral Oils Mostlwra Cat. C 'Putresc' Some Lwra Cat Bii Gen. Scrap Metal W. W.For Recyling (Cats A, Bi, C) Prohibited Waste: Clinical - As In Coll/Disp.Regs Of '88 Special Wastes N.O.S. Waste N.O.S.	A14NW (NE)	467	1	528690 184020
31	**Registered Waste Transfer Sites** Licence Holder: L.B. of Camden Licence Reference: DL251 Site Location: 28 Jamestown Road, CAMDEN, London, NW1 Operator Location: Old Town Hall, Haverstock Hill, CAMDEN, London, NW3 4QP 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 April 1987 Preceded By Licence: CR/018 Superseded By Licence: DL251 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste Max.Waste Permitted By Licence(Stated) Metal Scrap Waste Mineral Oil Prohibited Waste: Clinical Wastes Notifiable Wastes Special Wastes	A14NW (NE)	467	1	528690 184020

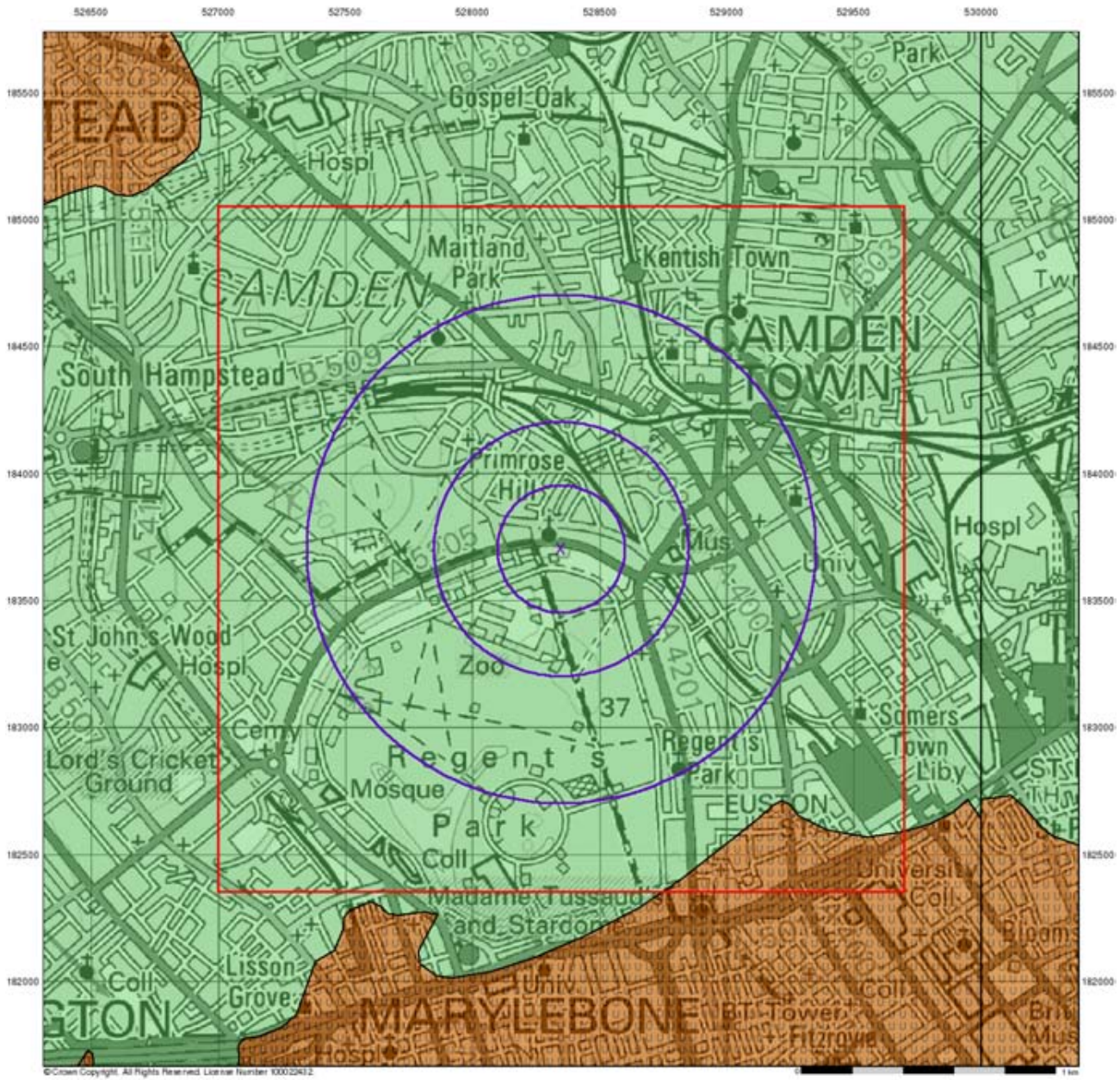
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Registered Waste Transfer Sites** Licence Holder: N.L.W.A. Licence Reference: CR/018 Site Location: Jamestown Road, CAMDEN, London, NW1 Operator Location: Camden Town Hall, Euston Road, CAMDEN, London, NW1 2RU Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer - Road Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st June 1977 Preceded By Licence: Not Given Superseded By Licence: DL251 Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste House, Com + Ind.Waste Waste Oil Prohibited Waste: Clinical Wastes Difficult Waste N.O.S	A14NW (NE)	501	1	528750 184000
33	**Registered Waste Treatment or Disposal Sites** Licence Holder: The Zoological Society Licence Reference: DL124 Site Location: Regents Park Zoo, WESTMINSTER, London, NW1 4RY Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Incineration Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: Only waste produced on site Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1983 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Alcohols Animal And Food Wastes Aromatic Hydrocarbons Halogenated Cleaning Cmpds Prohibited Waste: Notifiable Wastes Special Wastes	A13SW (SW)	392	1	528100 183400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: London Clay	A13NE (W)	0	4	528347 183703
	Coal Mining Affected Areas In an area which may 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	A13NE (W)	0	4	528347 183703
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	4	528347 183703
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	4	528347 183703
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	4	528347 183703
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	4	528347 183703
	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	A13NE (W)	0	4	528347 183703
	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	A13NE (W)	0	4	528347 183703

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**Contemporary Trade Directory Entries** Name: Siciliana Location: 27, Princess Road, London, NW1 8JR Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	204	-	528239 183875
35	**Contemporary Trade Directory Entries** Name: Lightning Graphics Location: 1, Centric Close, Oval Road, London, NW1 7EP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	239	-	528529 183857
35	**Contemporary Trade Directory Entries** Name: Imedia Print (City) Ltd Location: 2, Centric Close, Oval Road, London, NW1 7EP Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	240	-	528521 183868
36	**Contemporary Trade Directory Entries** Name: Parkway Filling Station Location: Oval Rd, London, NW1 7EB Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	280	-	528580 183858
37	**Contemporary Trade Directory Entries** Name: H & I Toiletries Location: Unit 1c,Utopia Village,Chalcot Rd, London, NW1 8LH Classification: Toiletries **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	295	-	528192 183954
37	**Contemporary Trade Directory Entries** Name: Movers & Shapers Location: 9, Chalcot Road, London, NW1 8LH Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	300	-	528187 183956
37	**Contemporary Trade Directory Entries** Name: Saf (Uk) Ltd Location: Studio 1, Utopia Village, 7, Chalcot Road, London, NW1 8LH Classification: T-Shirts **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	312	-	528198 183977
37	**Contemporary Trade Directory Entries** Name: 78 International Location: Studio 1, Utopia Village, 7, Chalcot Road, London, NW1 8LH Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	312	-	528198 183977
38	**Contemporary Trade Directory Entries** Name: Overland Shoes Location: Unit 6/A, The Courtyard, 44, Gloucester Avenue, London, NW1 8JD Classification: Footwear Manufacturers & Wholesale **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	315	-	528311 184016
39	**Contemporary Trade Directory Entries** Name: Cleaners Camden Location: 121, Parkway, London, NW1 7PS Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	341	-	528659 183565
40	**Contemporary Trade Directory Entries** Name: Smart Dry Cleaners Location: 104, Parkway, London, NW1 7AN Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	346	-	528692 183671
40	**Contemporary Trade Directory Entries** Name: Smarts Location: 104, Parkway, London, NW1 7AN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	346	-	528692 183671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**Contemporary Trade Directory Entries** Name: National Tyres And Autocare Location: 107, Parkway, London, NW1 7PP Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	377	-	528714 183615
42	**Contemporary Trade Directory Entries** Name: R R Mobile Tyre Location: 61, Parkway, London, NW1 7PP Classification: Tyre Repairs & Retreading **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	406	-	528753 183705
42	**Contemporary Trade Directory Entries** Name: It Green Location: Unit5 Parkway, London, NW1 7AH Classification: Computer Recycling & Disposal **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	425	-	528769 183750
43	**Contemporary Trade Directory Entries** Name: Paradise Location: 58, Parkway, London, NW1 7AH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	413	-	528756 183759
43	**Contemporary Trade Directory Entries** Name: Service Point Location: 46-52, Parkway, London, NW1 7AH Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	429	-	528770 183777
44	**Contemporary Trade Directory Entries** Name: H R Owen Location: 46-50, Gloucester Avenue, London, NW1 8JD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	419	-	528218 184101
45	**Contemporary Trade Directory Entries** Name: Butcher Ltd Location: 8, Fitzroy Road, London, NW1 8TX Classification: Plaster Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	472	-	528090 184099
46	**Contemporary Trade Directory Entries** Name: Volvo Cars Regents Park Location: 1, Dumpton Place, London, NW1 8JB Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	472	-	528166 184138
47	**Contemporary Trade Directory Entries** Name: Serviceteam Ltd Location: 28 Jamestown Rd, London, NW1 7BY Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	473	-	528708 184008
48	**Contemporary Trade Directory Entries** Name: World Panorama Ltd Location: West Yard,Camden Lock Pl, London, NW1 8AF Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	474	-	528630 184083
49	**Contemporary Trade Directory Entries** Name: Switch Clothing Co Ltd Location: 22, Inverness Street, London, NW1 7HJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	494	-	528785 183932
50	**Contemporary Trade Directory Entries** Name: 2m Design Location: 2 Camon Lock Market, London, NW1 8AH Classification: Mirrors & Decorative Glass **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	505	-	528523 184176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	**Contemporary Trade Directory Entries** Name: Camden Bike Breakers Location: 178b, Royal College Street, London, NW1 0SP Classification: Motor Cycle Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	988	-	529212 184179
127	**Contemporary Trade Directory Entries** Name: Blaire Air Conditioning Location: 176, Royal College Street, London, NW1 0SP Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	991	-	529223 184166
128	**Fuel Station Entries** Name: Parkway Filling Station Location: 120 Parkway, Camden Town, LONDON, NW1 7AN Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Approximate location provided by supplier	A13NE (NE)	300	-	528582 183889
129	**Fuel Station Entries** Name: Morrisons Camden Location: Chalk Farm Road, Chalk Farm, London, Greater London, NW1 8AA Brand: Morrisons Premises Type: Hypermarket **Status: Open** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	491	-	528547 184151
130	**Fuel Station Entries** Name: Chalk Farm Service Station Location: 32-33, Chalk Farm Road, London, NW1 8AJ Brand: ESSO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	628	-	528567 184291
131	**Fuel Station Entries** Name: Star Chalk Farm Location: 81-85 Chalk Farm Road, Chalk Farm, LONDON, NW1 8AR Brand: Texaco Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Approximate location provided by supplier	A18NW (N)	797	-	528174 184481
132	**Fuel Station Entries** Name: St Georges Service Station Location: 47 Mornington Crescent, Regents Park, LONDON, NW1 7RB Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	799	-	529094 183419



GEA Geotechnical & Environmental Associates

Groundwater Vulnerability

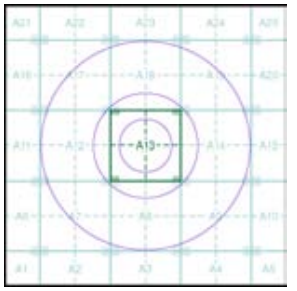
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



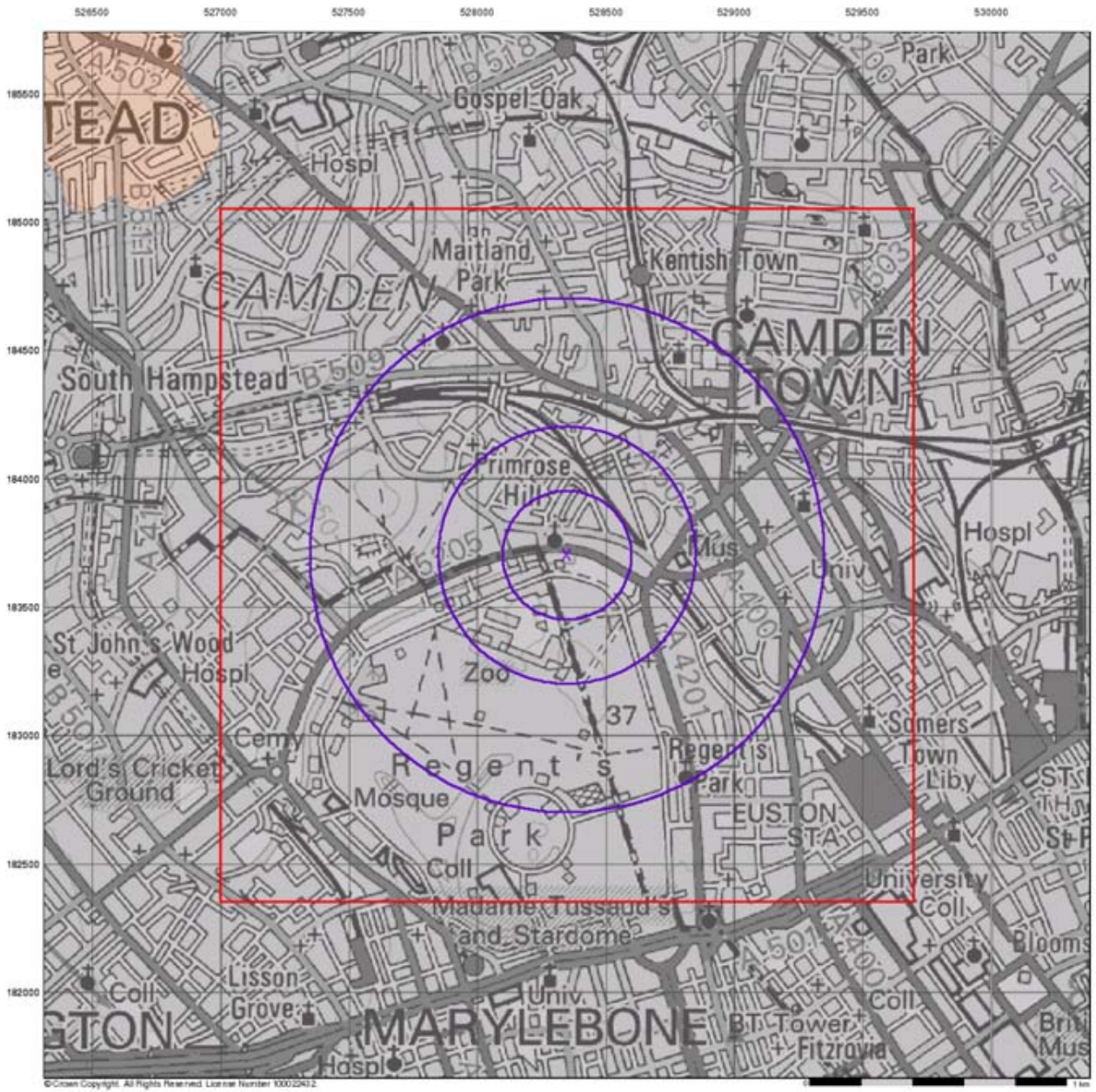
Order Details

Order Number:	35932322_1_1
Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

13 Prince Albert Road, LONDON, NW1 7SR

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



GEA Geotechnical & Environmental Associates

Bedrock Aquifer Designation

General

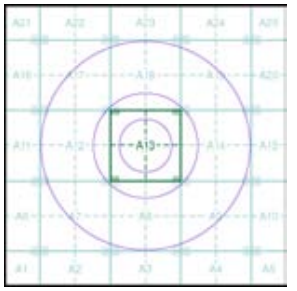
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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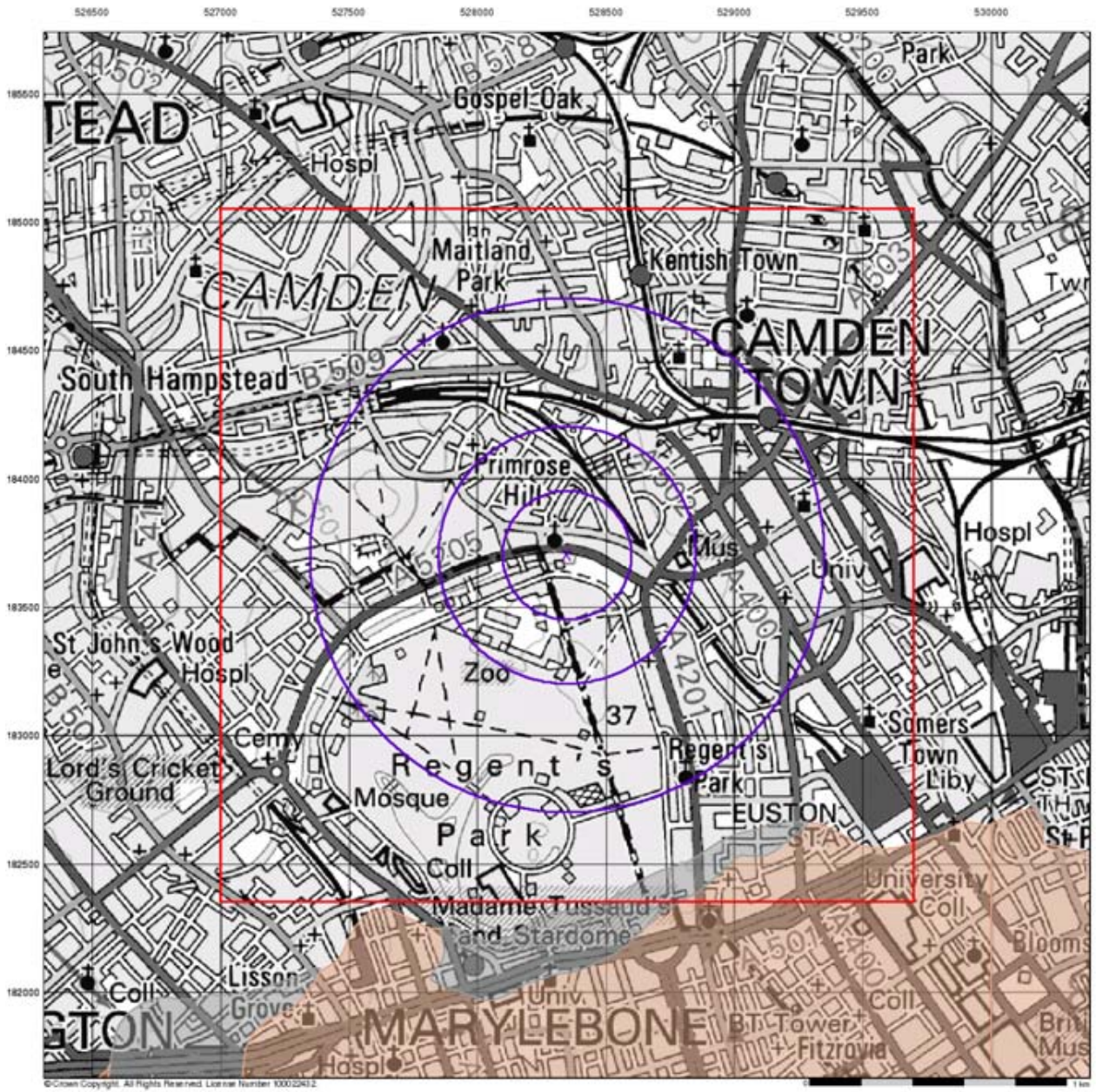


GEA Geotechnical & Environmental Associates

Superficial Aquifer Designation

General

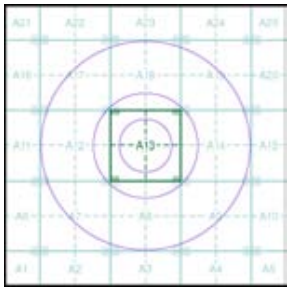
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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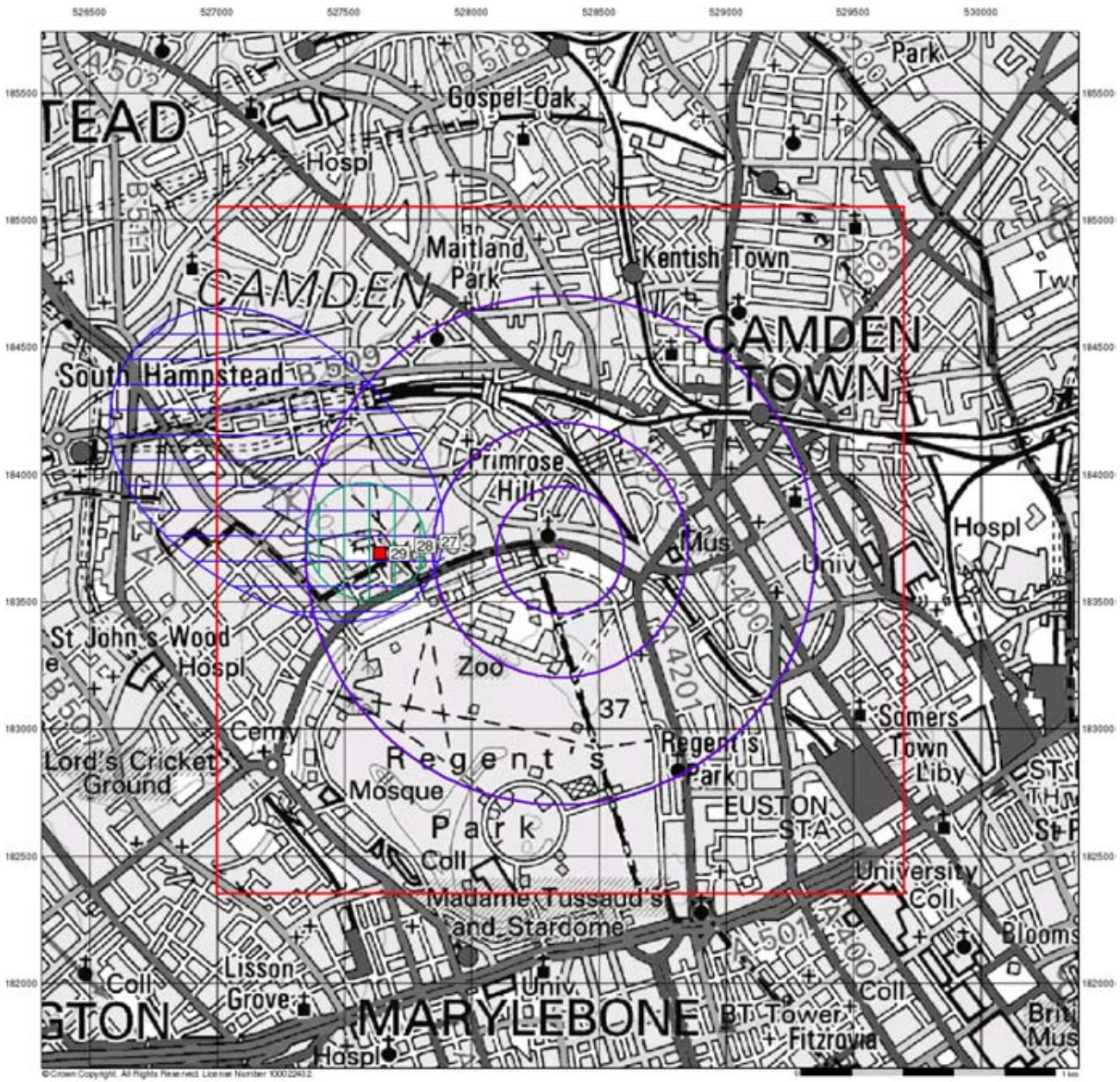


GEA Geotechnical & Environmental Associates

Source Protection Zones

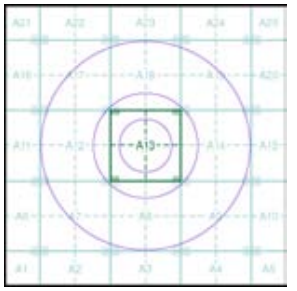
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	35932322_1_1
Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

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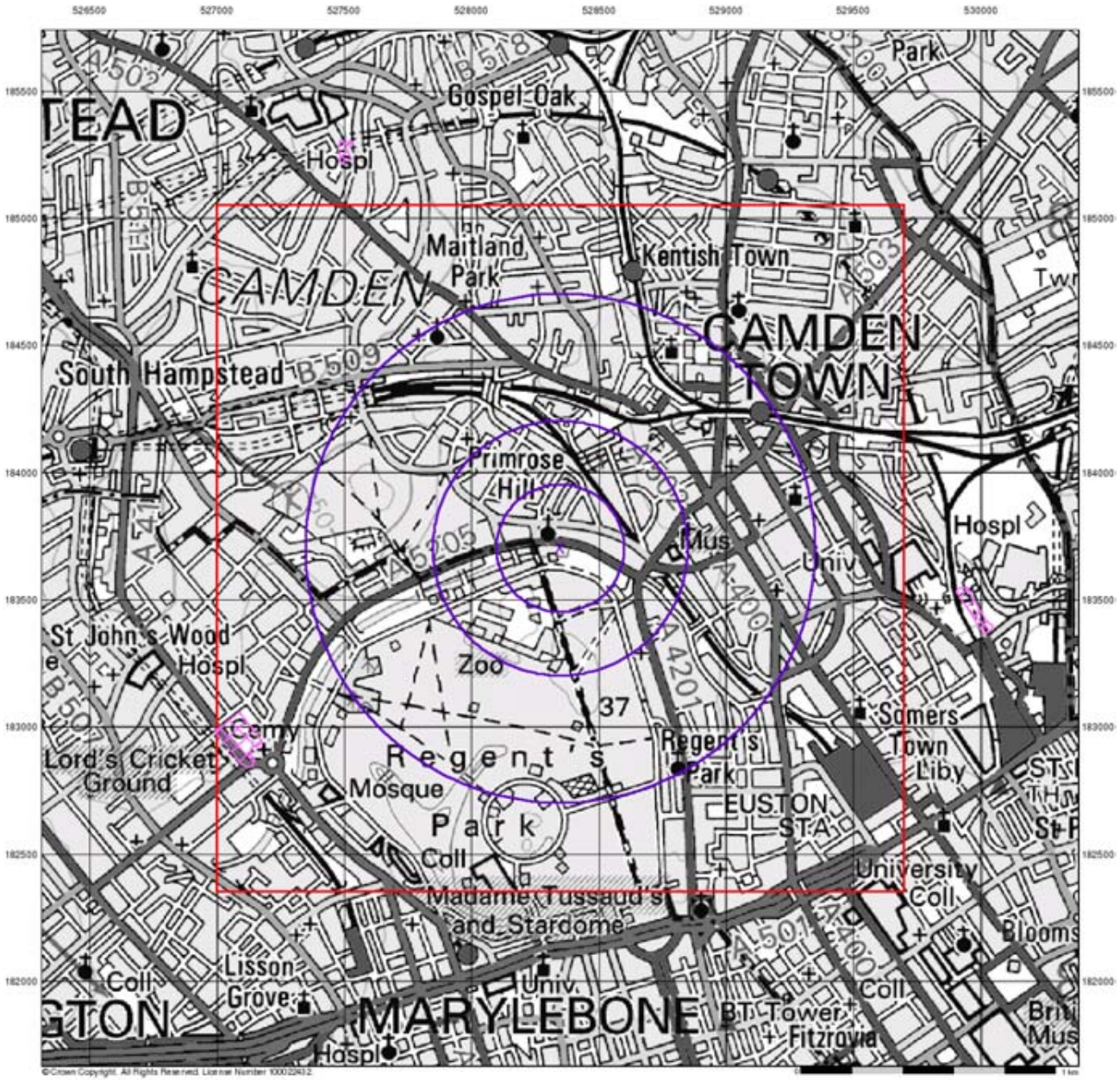


GEA Geotechnical & Environmental Associates

Sensitive Land Uses

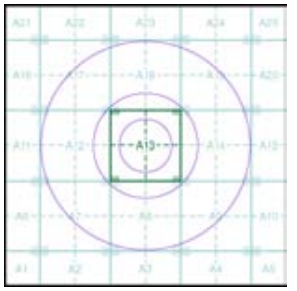
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	35932322_1_1
Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

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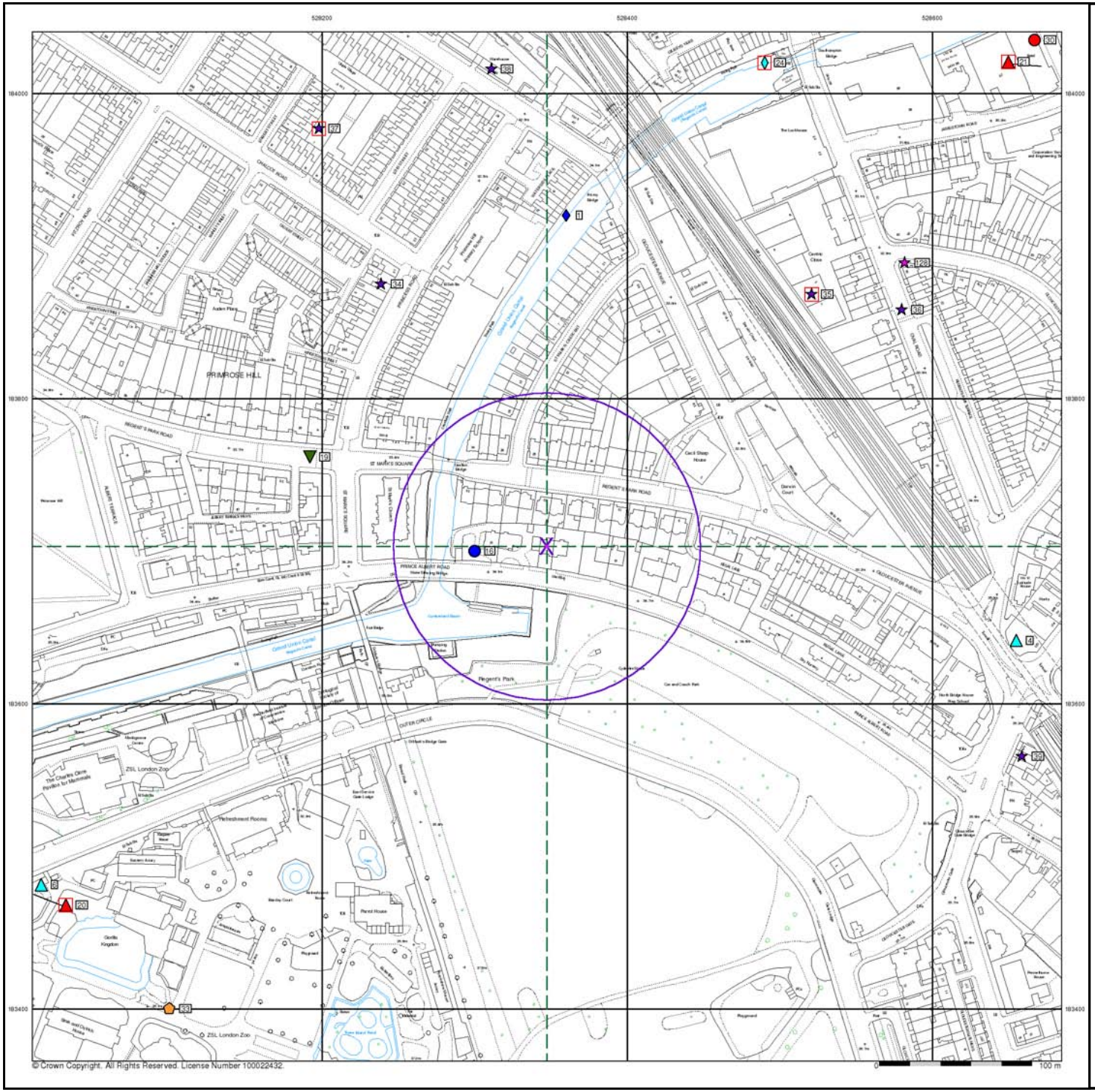

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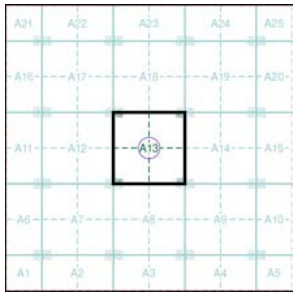
Site Sensitivity Map - Segment A13



Order Details

Order Number:	35932322_1_1
Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Plot Buffer (m):	100

Site Details

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Historical Mapping Legends

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

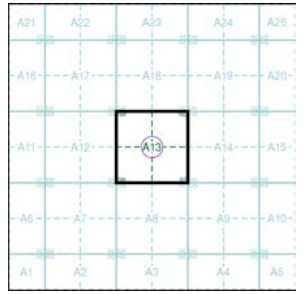
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

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

Geotechnical & Environmental Associates

Historical Mapping & Photography included:

Historical Map - Segment A13



Order Details

Order Number: 35932322_1_1
Customer Ref: J11186
National Grid Reference: 528350, 183700
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

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GEA Geotechnical & Environmental Associates

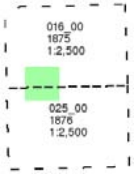
London

Published 1875 - 1876

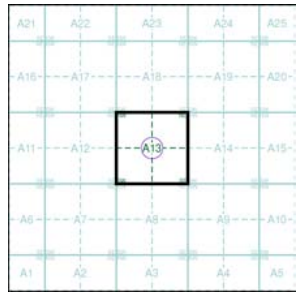
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

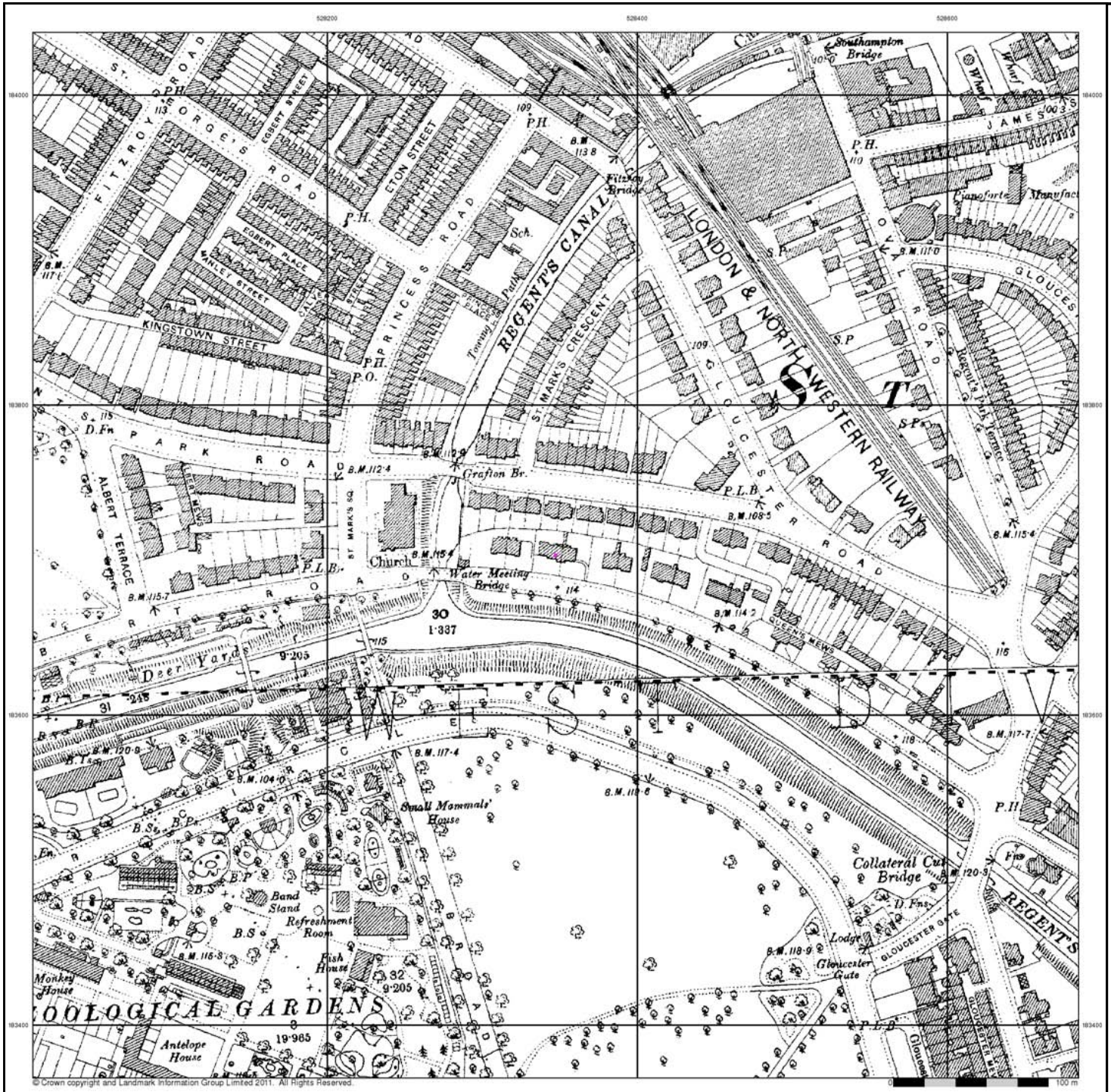


Order Details

Order Number:	35932322_1_1
Customer Ref:	J11186
National Grid Reference:	528350, 183700
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	100

Site Details

13 Prince Albert Road, LONDON, NW1 7SR



GEA Geotechnical & Environmental Associates

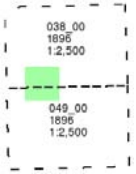
London

Published 1896

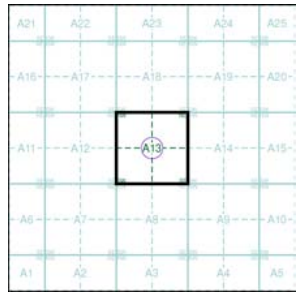
Source map scale - 1:2,500

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 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



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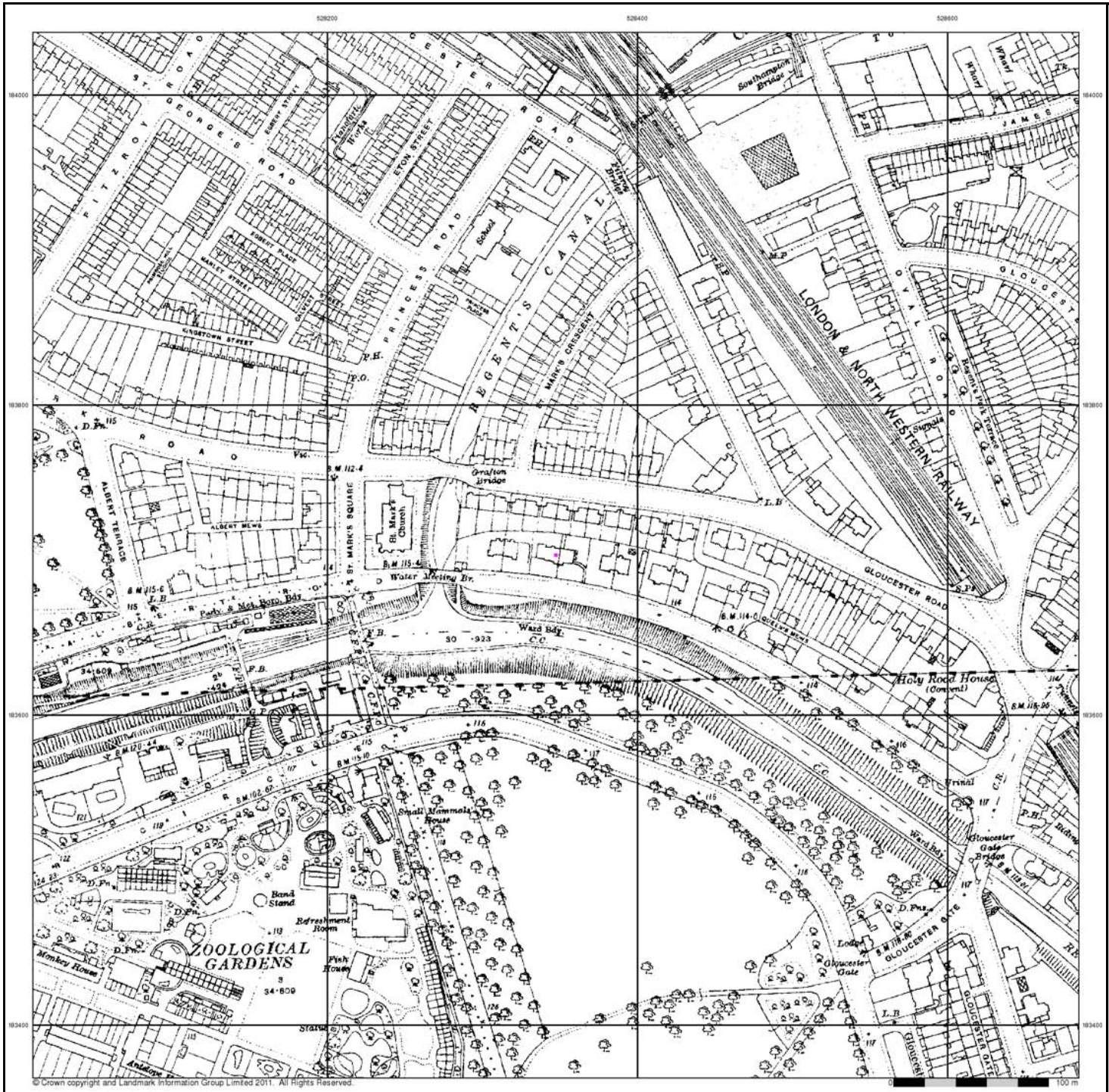
Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



GEA Geotechnical & Environmental Associates

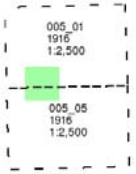
London

Published 1916

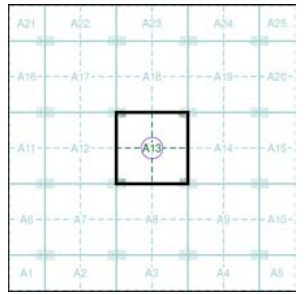
Source map scale - 1:2,500

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 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



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Historical Aerial Photography

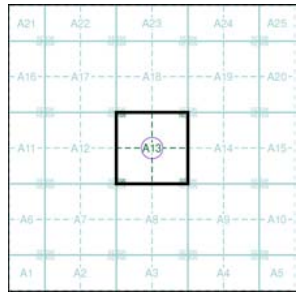
Published 1946

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

Historical Aerial Photography - Segment A13



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