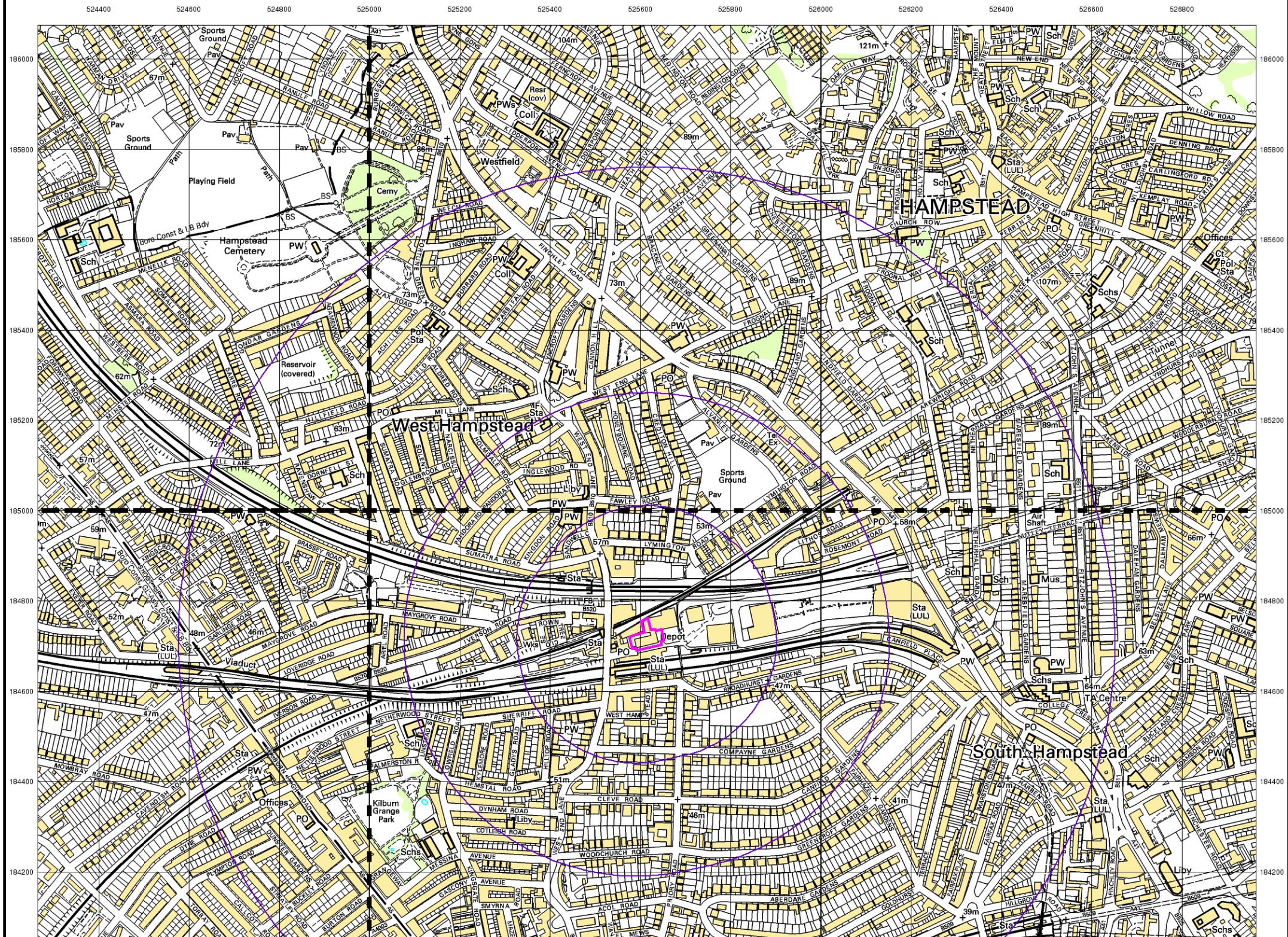


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The history of the area, which is highly detailed, includes roads, transport, and relevant landmarks.

Map

History

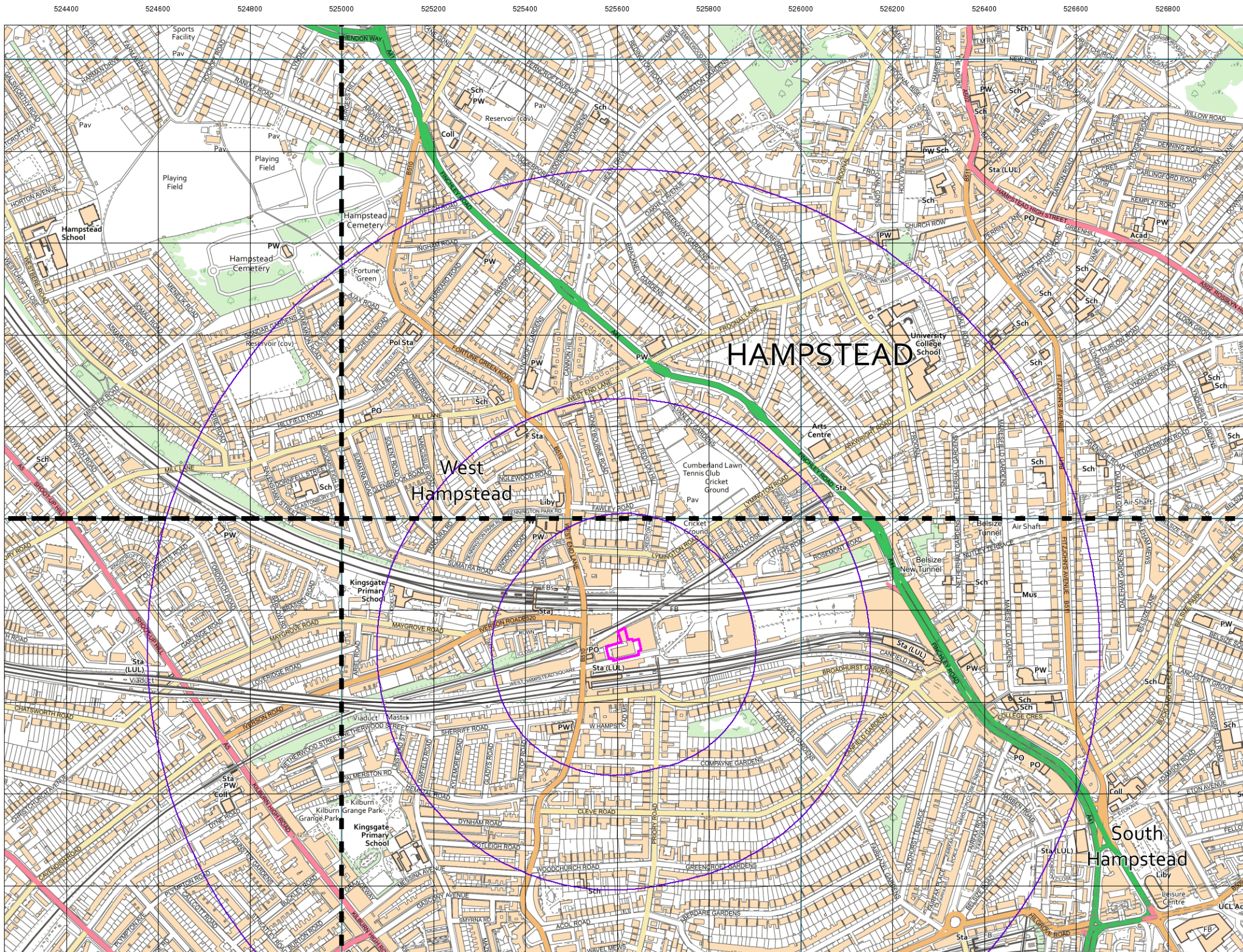


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Express Preliminary UXO Risk Assessment

Client	GEA Ltd
Project	Blackburn Road
Site Address	13 Blackburn Road, London, NW6 1RZ
Report Reference	EP10053-00
Date	05/11/19
Originator	EL

Assessment Objective

This preliminary risk assessment is a qualitative screening exercise to assess the likely potential of encountering unexploded ordnance (UXO) at the Blackburn Road site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

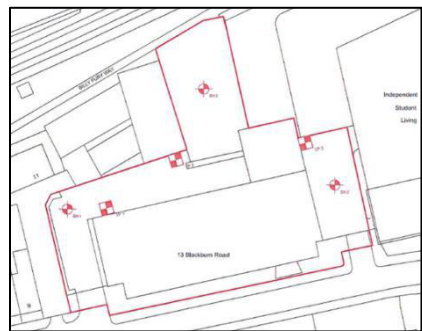
Background

This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

Risk Assessment Considerations	
<p>Site location and description/current use</p>	<p>The site is located in West Hampstead, in the London Borough of Camden.</p> <p>The site is comprised of multi storey residential properties known as <i>The Clockwork Factory Apartments</i>, and car parking spaces. The site is bound by Billy Fury Way in the north, and Blackburn Road in the south. Structures on the south side of Blackburn Road separate the site from West Hampstead Tube Station. Immediately east of the site is multi storey student accommodation, and west of the site are terraced houses.</p> <p>The site is approximately centred on the OS grid reference: TQ 25614 84714</p> 
<p>Are there any indicators of current/historical military activity on/close to the site?</p>	<p>Available in-house records do not indicate that the proposed site has any previous military use. There is no evidence to suggest any features such as WWII defensive positions, encampments or firing ranges were located on or near the sites. Furthermore, no evidence presents itself that shows ordnance being stored, produced or disposed of within the site boundaries.</p> <p>The closest Heavy Anti-Aircraft (HAA) battery was situated approximately 3km north west of the site, in Gladstone Park. Conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded within the proposed site are analogous to that of German aerial delivered ordnance – see below.</p>
<p>What was the pre- and post-WWII history of the site?</p>	<p>Pre WWII OS mapping from 1935 shows the site to be comprised largely of open land. There is a structure of unspecified use in the north of the boundary.</p> <p>Post WWII OS mapping from 1954 indicates that the site remains comprised of open land. The structure present in pre WWII OS mapping in the north is now labelled as <i>Ruins</i>. A small structure is shown to have been developed in the south west corner of the site. Structures immediately north west of the site boundary are now labelled as <i>Tower Royal Works (Engineering)</i>.</p>
<p>Was the area subject to bombing during WWII?</p>	<p>During WWII the site was located in the Metropolitan Borough of Hampstead, which received an overall very high bombing density. 321 high explosive (HE) bombs, 6 parachute mines, 31 oil bombs, 5 phosphorous bombs, 10 V1 pilotless aircrafts, and 3 V2 rockets were recorded in the borough, totalling an average of 166 items of ordnance recorded per 1,000 acres.</p> <p>London Bomb Census mapping held in house does not record any strikes directly on site. However, several strikes are recorded in close proximity to the site. Furthermore, the Hampstead Bomb Map records one bomb strike on the site's southern boundary.</p>
<p>Is there any evidence of bomb damage on/close to the site?</p>	<p>Post WWII OS mapping from 1954 labels a structure in the north of the site boundary as <i>Ruins</i>. This may indicate damage due to bombing. Despite this, London County Council Bomb Damage Mapping does not record damage within the site; given the site was mostly undeveloped during the war, it is not thought damage may have been recorded within the site on this map.</p>



To what degree would the site have been subject to access?	It is likely that access to the site would have been limited due to its undeveloped nature during WWII. It is therefore considered likely that the site would not have been subject to post-raid checks for items of UXO.
To what degree has the site been developed post-WWII?	Post WWII the site has been developed from open land to include a multi storey residential property, <i>The Clockwork Factory Apartments</i> , and its associated car parking spaces.
What is the nature and extent of the intrusive works proposed?	The nature and extent of works proposed are thought to include two 25m boreholes and one 35m borehole. As well as window sampling and hand excavating three trial pits.

Summary and Conclusions

During WWII the site was located in the Municipal Borough of Hampstead, which received an overall very high bomb density with 166 items of ordnance recorded per 1,000 acres.

Whilst no bomb strikes are recorded on site according to London Bomb Census Mapping, one strike is recorded on the site's southern boundary in local bomb mapping. The building in the north of the site is recorded as 'ruins' on post-war historic OS mapping, which may indicate bomb damage.

At this preliminary stage, given the lack of detailed records, it is not possible to ascertain the degree of damage the site sustained, and whether the site was directly affected by bombing.

Recommendations

Further research is recommended in the form of a **Detailed UXO Risk Assessment** in accordance with CIRIA guidelines. Further investigation would entail the analysis of data such as WWII-era aerial photography and historical OS mapping as well as any available written records. The report would also outline work-specific UXO risk mitigation measures.

Prior to or in lieu of a Detailed Assessment, it is recommended that appropriate UXO Risk Mitigation Measures are provided for intrusive works proposed.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.



APPENDIX – PART 1B

Ground Investigation

Site Plan

Borehole Records

Trial Pit Records

Monitoring Records

Laboratory Testing

Geotechnical Laboratory Test Results

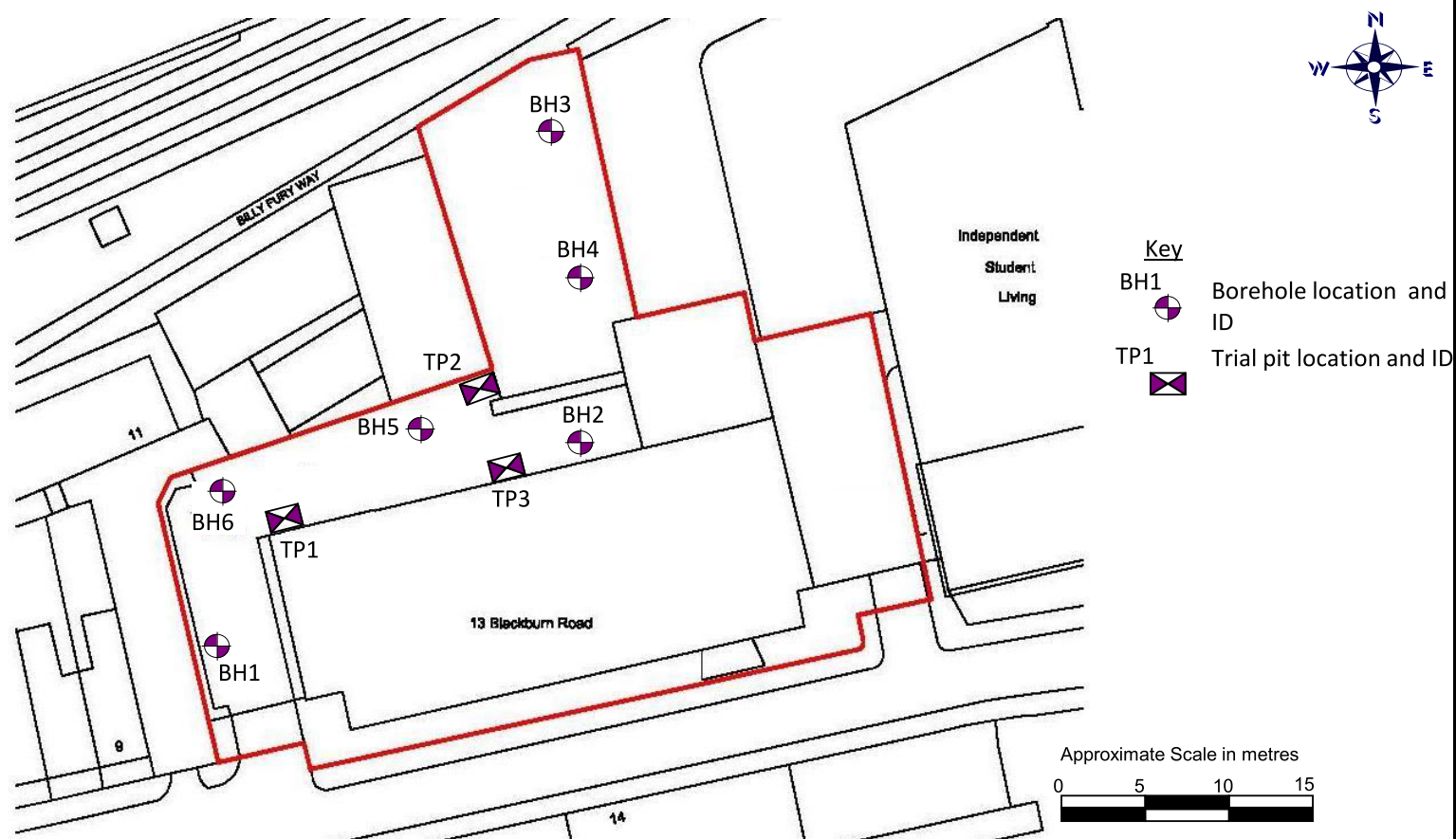
Chemical Analyses (Soil)

Generic Risk Based Screening Values

Site 13 Blackburn Road, London NW6 1RZ
Client West Hampstead Investment Partnership
Engineer Elliott Wood

Job Number
J19295

Sheet
1 / 1





GEA

Geotechnical &
Environmental Associates

Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH1
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,582.0 N 184,703.0	
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 4


SAMPLES & TESTS			Water	STRATA			Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.40	D1	1,0/1,0,0,1 N60 = 2				0.10	
1.00	D2					(1.30)	
1.20	D3					1.40	
1.90	D4	1,1/2,2,2,3 N60 = 10					
2.00	U1001						
2.50	D5						
2.80	D6						
3.00	D7						
3.70	D8	2,3/4,4,4,5 N60 = 18					
4.00	U1002						
4.50	D9						
4.80	D10						
5.00	D11						
6.00	U1003	3,3/4,5,5,6 N60 = 21					
6.50	D12					(10.20)	
7.50	D13						

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Dia. mm	Water Depth	
						1 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.5 m plain and 3.5 m slotted. Groundwater seepage encountered at a depth of 9.0 m and rising to a depth of 8.8 m after a period of 20 minutes; likely to be associated with the presence of claystones at this depth.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable Percussion	Logged By JW
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Report ID: CABLE PERCUSSION || Project: J19295 - 13 BLACKBURN ROAD, LONDON.GPJ || Library: GEA LIBRARY.GLB || Date: 3 April 2020

Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH1	
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,582.0 N 184,703.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 2 of 4	

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
9.90 10.00	D14 U1004	3,4/5,5,6,7 N60 = 25					Firm becoming stiff fissured moderate strength becoming high strength brown CLAY with occasional grey mottling and selenite crystals.(continued)	
10.40 10.50	D15 D16							
11.70	D17							
12.00	U1005							
12.50	D18	4,5/5,6,7,7 N60 = 27				11.60	Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.	
13.50	D19							
15.00	U1006							
15.50	D20							

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.5 m plain and 3.5 m slotted. Groundwater seepage encountered at a depth of 9.0 m and rising to a depth of 8.8 m after a period of 20 minutes; likely to be associated with the presence of claystones at this depth.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable Percussion	Logged By JW
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GEA

Geotechnical &
Environmental Associates

Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH1
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,582.0 N 184,703.0	
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 3 of 4

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
16.50	D21	5,5/6,6,7,8 N60 = 29					Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.(continued)	
18.00	U1007					(13.40)		
18.50	D22							
19.50	D23	5,5/6,7,8,8 N60 = 31						
21.00	U1008							
21.50	D24							
22.50	D25	6,7/8,8,9,10 N60 = 37						


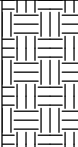
Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.5 m plain and 3.5 m slotted. Groundwater seepage encountered at a depth of 9.0 m and rising to a depth of 8.8 m after a period of 20 minutes; likely to be associated with the presence of claystones at this depth.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable Percussion	Logged By JW
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Report ID: CABLE PERCUSSION || Project: J19295 - 13 BLACKBURN ROAD, LONDON.GPJ || Library: GEA LIBRARY.GLB || Date: 3 April 2020



Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH1
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,582.0 N 184,703.0	
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 4 of 4

SAMPLES & TESTS			Water	STRATA			Instrument / Backfill	
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION
24.50	U1009					25.00	Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.(continued)	
25.00	D26							

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Depth	Casing Dia. mm	Water Depth	
						1 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.5 m plain and 3.5 m slotted. Groundwater seepage encountered at a depth of 9.0 m and rising to a depth of 8.8 m after a period of 20 minutes; likely to be associated with the presence of claystones at this depth.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable Percussion	Logged By JW
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Report ID: CABLE PERCUSSION || Project: J19295 - 13 BLACKBURN ROAD, LONDON.GPJ || Library: GEA LIBRARY.GLB || Date: 3 April 2020



Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH2	
Job No J19295	Date 15-11-19 18-11-19	Ground Level (m OD)	Co-Ordinates () E 525,618.0 N 184,722.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 5	

SAMPLES & TESTS			STRATA				Instrument / Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	
0.50	D1					0.10	
						(0.80)	
						0.90	
1.00	D2						
1.20	U1001						
1.70	D3						
2.00	D4	1,1/2,2,2,3 N60 = 10					
2.70	D5						
3.00	U1002						
3.50	D6						
3.80	D7						
4.00	D8	1,1/2,2,3,3 N60 = 11					
4.70	D9						
5.00	U1003					(8.00)	
5.50	D10						
6.00	D11	3,4/4,5,5,6 N60 = 21					
7.50	U1004						

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Dia. mm	Water Depth	
						1.5 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.2 m plain and 3.8 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable percussion	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH2	
Job No J19295	Date 15-11-19 18-11-19	Ground Level (m OD)	Co-Ordinates () E 525,618.0 N 184,722.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 2 of 5	

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
8.00	D12	4,4/5,6,7,7 N60 = 27				Firm becoming stiff fissured moderate strength becoming high strength brown CLAY with occasional grey mottling.(continued)		
8.90 9.00	D13 D14				8.90	Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.		
10.50	U1005							
11.00	D15							
12.00	D16	4,5/6,6,7,8 N60 = 29						
13.50	U1006							
14.00	D17							
15.00	D18	5,5/6,7,8,8 N60 = 31						

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1.5 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.2 m plain and 3.8 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable percussion	Logged By JW
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Geotechnical &
Environmental Associates

Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH2	
Job No J19295	Date 15-11-19 18-11-19	Ground Level (m OD)	Co-Ordinates () E 525,618.0 N 184,722.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 3 of 5	

SAMPLES & TESTS			STRATA				Instrument / Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	
16.50	U1007						Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.(continued)
17.00	D19						
18.00	D20	6,6/7,8,8,9 N60 = 34					
19.50	U1008						
20.00	D21						
21.00	D22	6,7/8,9,10,10 N60 = 39					
22.50	U1009					(26.10)	
23.00	D23						

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1.5 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.2 m plain and 3.8 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable percussion	Logged By JW
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Report ID: CABLE PERCUSSION || Project: J19295 - 13 BLACKBURN ROAD, LONDON.GPJ || Library: GEA LIBRARY.GLB || Date: 3 April 2020

Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH2	
Job No J19295	Date 15-11-19 18-11-19	Ground Level (m OD)	Co-Ordinates () E 525,618.0 N 184,722.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 4 of 5	

SAMPLES & TESTS			STRATA				Instrument / Backfill
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thickness)	
24.00	D24	7,8/9,10,11,12 N60 = 45					Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.(continued)
25.50	U10010						
26.00	D25						
27.00	D26	8,8/10,11,12,14 N60 = 50					
28.50	U10011						
29.00	D27						
31.50	U10012	8,8/10,12,13,14 N60 = 52					

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1.5 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.2 m plain and 3.8 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable percussion	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH2	
Job No J19295	Date 15-11-19 18-11-19	Ground Level (m OD)	Co-Ordinates () E 525,618.0 N 184,722.0		
Client West Hampstead Investments Partnership			Engineer Elliott Wood		Sheet 5 of 5

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
32.00	D28	8,9/11,13,13,15 N60 = 55					Stiff becoming very stiff fissured very high becoming extremely high strength grey CLAY.(continued)	
33.00	D29							
34.50	U10013							
35.00	D30					35.00		

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						1.5 hour spent tidying up and bagging spoil. Standpipe installed to a depth of 5.0 m; 1.2 m plain and 3.8 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Cable percussion	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH3	
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,614.0 N 184,752.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.50	D1	1,1/2,3,2,3 N60 = 11				0.21	Concrete slab, 213 mm thick.	
						0.35	Concrete fill, weak and fine clasts of concrete.	
						0.60	Possible MADE GROUND (reworked soft orange-brown sandy clay with a single fragment of plastic).	
0.80	D2	1,1/2,3,2,3 N60 = 11					Initially soft, then firm becoming stiff fissured orange brown occasionally mottled light grey slightly silty CLAY with occasional fine selenite.	
1.50	D3							
		1,2/2,3,3,4 N60 = 14						
2.40	D4	1,2/3,3,4,4 N60 = 16					2.40 - 3.80 ...light grey mottling more frequent between depths of 2.40 m and 3.80 m.	
3.50	D5	2,3/3,3,5,5 N60 = 18					3.80 ...silt absent from a depth of 3.80 m.	
4.50	D6	2,3/4,5,6,6 N60 = 24						
						5.00		

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						Standpipe installed to a depth of 5.00 m; 0.50 m plain and 4.50 m slotted. Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Opendrive Sampler	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH4
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,617.0 N 184,740.0	
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 1

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.40	D1	1,1/0,1,2,2 N60 = 6				0.22	Concrete slab, 215 mm thick.	
						0.40	MADE GROUND (slightly clayey sandy gravel with occasional fine brick fragments. Gravel is fine to coarse of flint).	
						(0.40) 0.80	Possible MADE GROUND (reworked orange brown sandy clay). Initially soft, then firm becoming stiff fissured orange brown occasionally mottled light grey slightly silty CLAY with occasional fine selenite.	
1.20	D2	1,1/1,1,1,2 N60 = 6						
1.70	D3							
2.20	D4	1,3/4,4,3,3 N60 = 16						
2.70	D5							
3.70	D6	1,2/1,2,3,4 N60 = 11				(4.20)		
		2,2/3,3,4,4 N60 = 16					3.50 ...decayed rootlets absent from a depth of 3.50 m. 3.80 ...silt absent from a depth of 3.80 m.	
4.70	D7	2,3/4,4,6,5 N60 = 22				5.00		

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Opendrive Sampler	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH5	
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,603.0 N 184,725.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA				Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
						0.22	Concrete slab, 225 mm thick.	
						0.25	MADE GROUND (whole brick and brick fragments).	
0.50	D1					(0.55)	MADE GROUND (dark greyish green, reworked sandy gravelly clay with brick fragments. Gravel of subangular to rounded, fine to coarse flint. Sand is fine to coarse).	
0.80	D2					0.80	0.50 - 0.80 ...possible hydrocarbon odour between depths of 0.50 m and 0.80 m.	
						(0.80)	Firm orange-brown fissured silty very gravelly CLAY. Gravel of angular to subrounded, fine to medium flint.	
1.50	D3					1.60	0.80 - 1.10 ...clayey GRAVEL between depths of 0.80 m and 1.10 m.	
							1.40 - 1.60 ...clayey GRAVEL between depths of 1.40 m and 1.60 m.	
2.50	D4					(3.40)	Firm becoming stiff fissured orange brown slightly silty CLAY with occasional fine selenite crystals and occasional decayed rootlets.	
3.50	D5						3.50 ...decayed rootlets absent from a depth of 3.50 m.	
4.50	D6					5.00		

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Casing Dia. mm	Water Depth	
						Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Opendrive Sampler	Logged By JW
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Project 13 Blackburn Road, London NW6 1RZ				BOREHOLE No BH6	
Job No J19295	Date 14-11-19	Ground Level (m OD)	Co-Ordinates () E 525,582.0 N 184,718.0		
Client West Hampstead Investments Partnership		Engineer Elliott Wood		Sheet 1 of 1	

SAMPLES & TESTS			Water	STRATA			Instrument / Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.50	D1	2,1/2,3,5,5 N60 = 17			0.20	Concrete slab, 200 mm thick.	
					(0.50)	MADE GROUND (reworked orange brown, occasionally dark greyish black sandy gravelly clay with occasional fine brick and concrete fragments and carbonaceous material). Firm becoming stiff fissured orange brown mottled light grey silty CLAY.	
					0.70		
1.20	D2						
2.20	D3	1,3/3,4,3,4 N60 = 16					
3.20	D4	1,2/3,3,4,4 N60 = 16			(4.30)	3.00 ...occasional very fine selenite crystals from a depth of 3.00 m, becoming coarser with depth. 3.40 ...light grey mottling absent from a depth of 3.40 m.	
4.20	D5	1,3/3,4,4,5 N60 = 18					
		3,3/4,4,5,5 N60 = 20			5.00		

Boring Progress and Water Observations						GENERAL REMARKS
Depth	Date	Time	Casing Depth	Dia. mm	Water Depth	
						Groundwater not encountered.

All dimensions in metres Scale 1:50	Method/ Plant Used Opendrive Sampler	Logged By JW
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Site 13 Blackburn Road, London NW6 1RZ

Client West Hampstead Investments Partnership

Engineer Elliott Wood

Job Number
J19295

Sheet
1/3

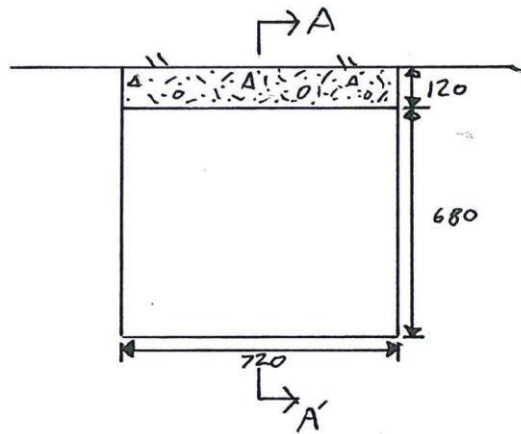
Dates
15/11/2019

Excavation Method

Manual

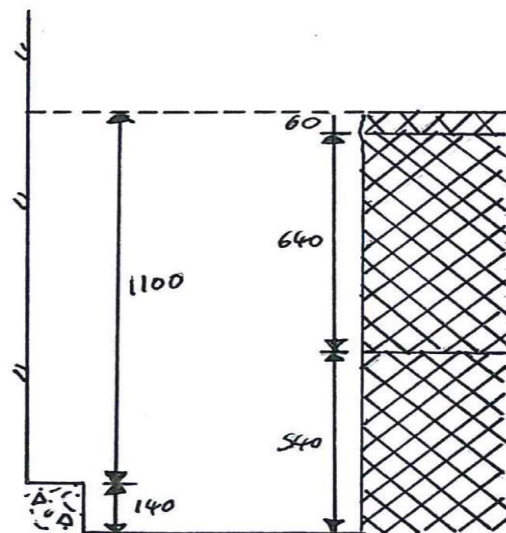
Dimensions

800 x 720 x 1240

Ground Level (mOD)
Location
Plan

Section A - A'

Brick wall

Concrete



Made ground (gravel)
Made ground (dark brown gravelly sand with whole brick and smaller brick fragments. Gravel of fine to coarse flint, sand is coarse).

Made ground (reworked orange brown mottled grey gravelly sandy clay. Gravel of fine to medium flint, sand is fine to coarse. Occasional fine brick fragments).

Remarks:

All dimensions in millimetres

All sides of the excavation remained stable during the investigation

Groundwater encountered at a depth of 1.1 m

Scale:

1:20

Logged by:

JW