| Project No. 1760 | Revision [-]: July 2019 |
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# 25 Meadowbank

# Basement Impact Assessment & Structural Method Statement

constructure

Structural Designers

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## 1. INTRODUCTION

Constructure Ltd were appointed in October 2018 for structural advice on the proposed refurbishment and extension of 25 Meadowbank. This Basement Impact Assessment report has been produced to accompany the Planning Application submission by Lucy Marston, describing the scope and nature of the structural works. It details the outline approach that will be taken to safeguard the integrity of adjacent buildings, highways and services, in particular with the construction of the proposed lower ground floor structures. It should also be read in conjunction with the initial Desk Study and Basement Impact Assessment Report produced by Geotechnical & Environmental Associates (GEA) Ltd, ref J19141, dated 10th July 2019.

Local ground conditions have been assessed through desktop studies, the results of which have been used to reliably inform the structural design and construction sequence. This has been conducted to support the assessment of the lower ground floor extension works.

Please refer to the appendix for a list of structural engineering drawings which support this report and show the shell and core works in detail.

### 1.1 THE EXISTING PROPERTY

Situated within a residential area of Camden, the property was built in 1971, used as a single dwelling unit. The ground slopes across the house from back to front (the back facing Pimrose Hill Park). The lower ground floor is level with the front garden but is below the ground level to the rear. The building is slightly set back from the pavement.

The neighbouring buildings to the east and west are of the same type and were constructed at the same time. The road tends downhill towards the east, however the neighbouring buildings have the same floor level.

Currently the front garden to 25 Meadowbank is as originally built, generally on the same level as the highway footpath.

### 1.2 THE PROPOSED WORKS

It is proposed to construct a new single storey rear internal lightwell leading off from the current lower ground floor. The level of the existing lower ground floor is to stay unaltered. The lightwell is to be covered with a walk-on roof light.

The layout of the existing habitable lower ground floor is also to be altered to improve the comfort for the occupiers. This will result in the removal of the garage on the lower ground floor and adaptation of the wall adjacent to it.

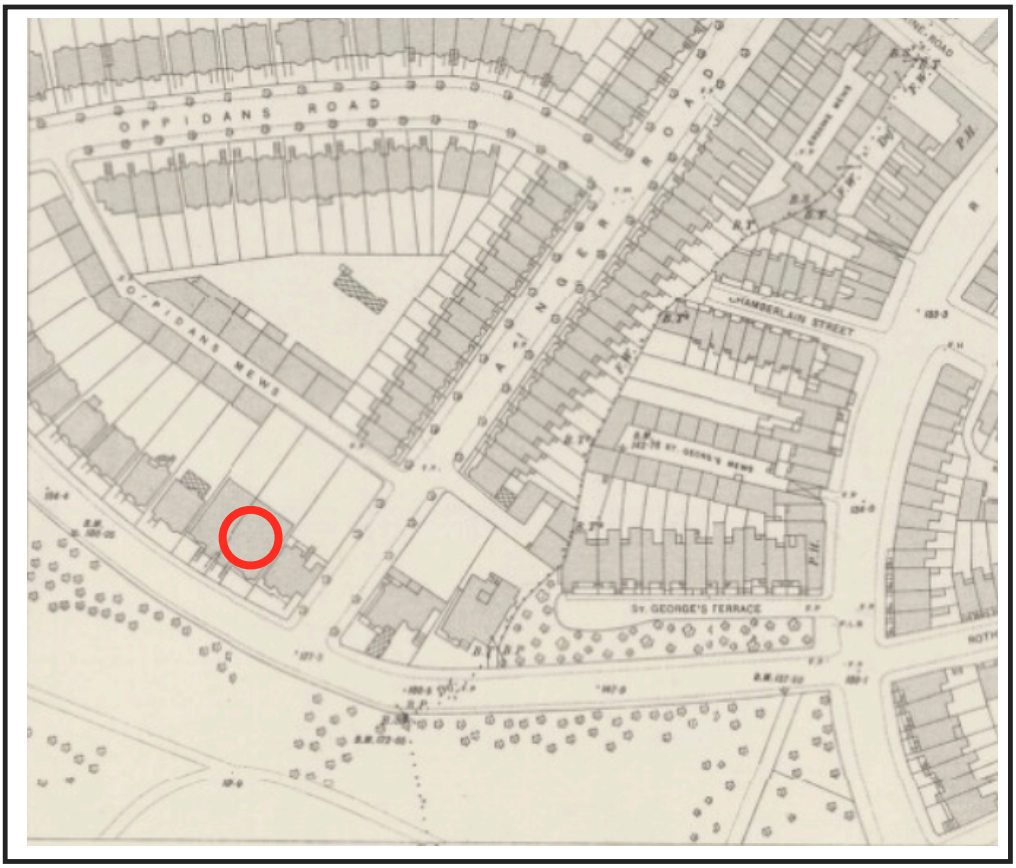
It is also proposed to introduce new french doors to replace the existing garage doors. The new door line will be approximately 500mm further out. It is assumed that this alternation will not require any structural works including foundation works.

## 2. DESK STUDY

### 2.1 SITE HISTORY

Along with conducting a site walk-over to inspect the general site conditions and setting, a historic site usage search has been conducted.

The map of Figure 1, published in 1896, shows that the row of houses on Meadowbank didn't exist. However it is apparent that the land upon which 25 Meadowbank was constructed in circa 1971 was developed before. Meadowbank was possibly formed from the rearrangement of Oppidans Mews and the rear gardens of the buildings on Pimrose Hill Road.




[FIGURE 1] HISTORIC MAP SHOWING POSITION OF SITE IN 1896

## 2.2 LOCAL GEOLOGY AND HYDROLOGY

From geological maps for the area [Figure 2], the ground conditions are expected to comprise Made Ground onto Clayey Sands, onto London Clay, known from BGS records to extend some 30-45m below ground level.

## 2.3 LONDON UNDERGROUND AND RAILWAY LINES

From the map with underground lines overlaid [Figure 3] it can be seen that the site is sufficiently far from London Underground infrastructure, with the closest line being approximately 200m away from the site boundary to the north and south. Therefore no consultation with the London Underground or TfL Asset Protection team is considered to be necessary.

## 2.4 FLOOD RISK

With reference to the Environment Agency's Flood Risk map, and the Camden Flood Risk Management Strategy, it can be seen that the site lies outside any flood risk zones. The site is on higher ground than the areas that historically experienced flooding most recently in 1975. As such, a Flood Risk Assessment is not deemed required. Refer to section 5.1.

## 2.5 EXISTING UTILITIES AND UNDERGROUND SERVICES

Existing services including sewers and drainage runs will be identified prior to commencing the works. The proposed new drainage is anticipated to be connectable to the existing outfalls to the public system.

## 2.6 NEIGHBOURING PROPERTIES

25 Meadowbank is a mid-terrace property. It is understood that no other recent substructures have been formed to either of the adjoining no.23 or 26 Meadowbank.

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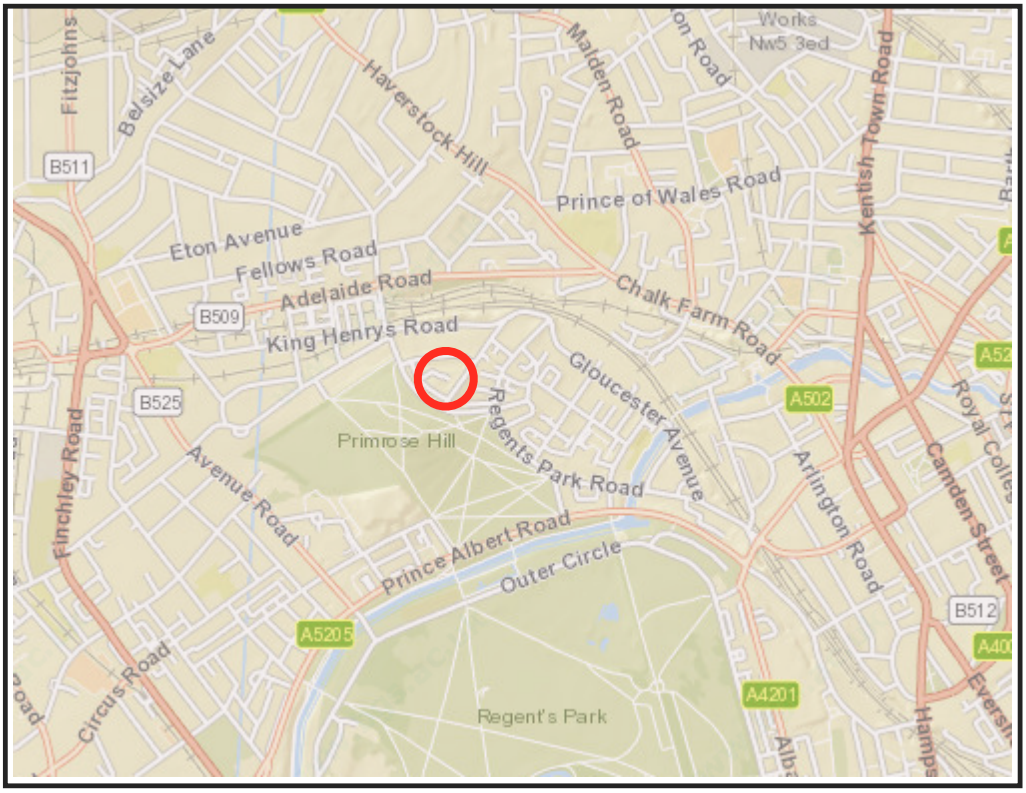
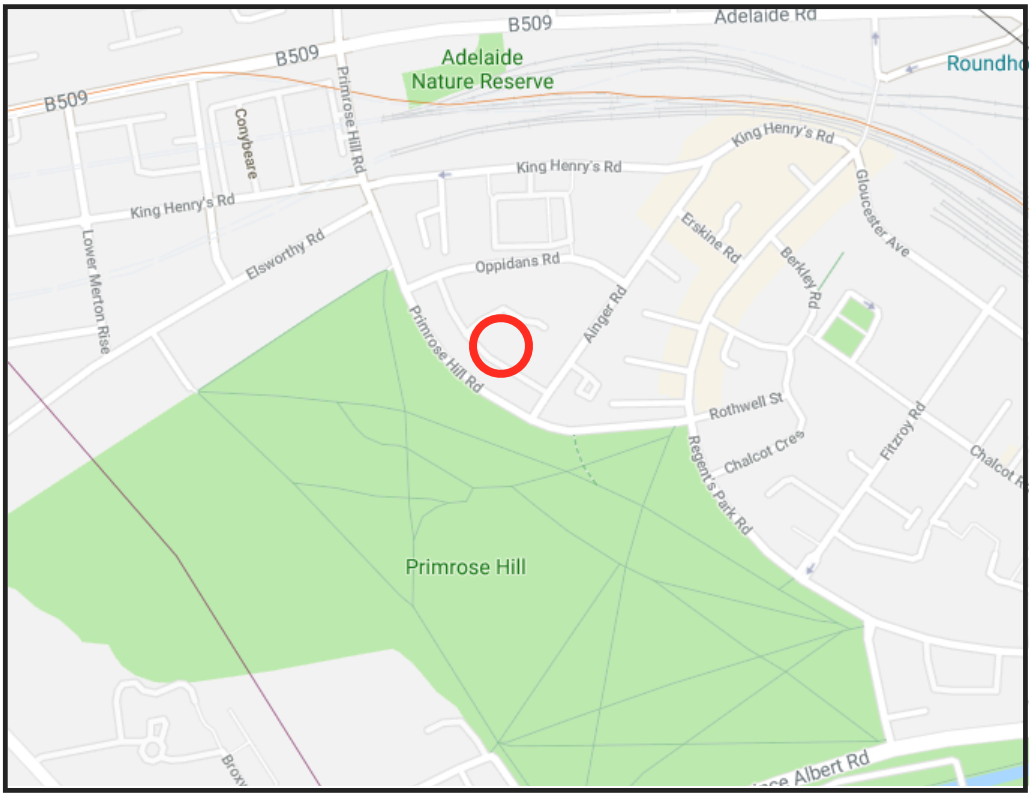



[FIGURE 2] LOCAL GEOLOGICAL MAP




[FIGURE 3] LOCAL TRANSPORT TUNNELS

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## 3. STAGES 1 & 2: SCREENING AND SCOPING ASSESSMENTS

Camden Planning Guidance CPG4 sets out the assessment requirements, the initial stages being a screening and scoping assessment, the checklists for which are addressed below. These inform the further desk study in subsequent sections.

### 3.1 STAGE 1: SCREENING

| SCREENING CHECKLIST: SUBTERRANEAN GROUNDWATER FLOW | | | |
|---|---|---|---|
| CONSIDERATION | | RESPONSE | JUSTIFICATION |
| 1A | Is the site located directly above an aquifer? | NO | BGS records indicate non water bearing London Clays to significant depths at least 30m below the ground level |
| 1B | Will the proposed basement extend beneath the water table surface? | NO | London Clay is not water-bearing. |
| 2 | Is the site within 100m of a watercourse, well (disused/ used), or potential spring line? | NO | No. Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report confirm this. |
| 3 | Is the site within the catchment of the pond chains on Hampstead Heath? | NO | The property is located topographically down-stream of the pond chain |
| 4 | Will the proposed basement development result in a change in the proportion of hard surfaced/paved areas? | NO | The works outside of the building footprint (the rear light well) do not add further drained hard areas (replacing hard paving with a roof light) |
| 5 | As part of the site drainage, will more surface water (eg rainwater and run-off) than at present be discharged to the ground (eg via soakaways and/or SUDS)? | NO | As per the above, no material additional hard paved areas are proposed. The site underlain with London Clay means that the drainage required to continue to be connected to the public sewer system |
| 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 man water level in any local pond (not just the pond chains on Hampstead Heath) or spring line? | NO | The excavation depth proposed is higher than the existing lower ground floor level, and will be similar therefore to original floor levels to the adjacent property. |

| SCREENING CHECKLIST: SLOPE STABILITY | | | |
|---|---|---|---|
| CONSIDERATION | | RESPONSE | JUSTIFICATION |
| 1 | Does the existing site include slopes, natural or man-made, greater than 7°, or 1 in 8? | YES | Yes, Figure 16 of the Arup report indicates that the site is located on a slope of 7-10°, with the rear of the property approximately one storey higher than the front where it meets Meadowbank. |
| 2 | Will the proposed re-profiling of the landscaping at site change slopes at the boundary to more than 7°, or 1 in 8? | NO | Existing lower ground level will be retained. |
| 3 | Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°, or 1 in 8? | YES | Primrose Hill immediately to the south of the site has a hillside setting with a slope angle of 7-10° and >10°. |
| 4 | Is the site within a wider hillside setting in which the slope is greater than 7°, or 1 in 8? | YES | Immediately south of the site is the Primrose Hill area, which Figure 16 of the Arup report indicates has areas of slope angle 7-10° and >10°. |
| 5 | Is the london clay the shallowest stratum at the site? | YES | As indicated on the geological map and Figures 3, 5 and 8 of the Arup report |
| 6 | Will any trees be felled as part of the proposed development, and/or any works proposed within 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 may prone to these effects as a result of the presence of shrinkable London Clay. Movement is not, however apparent to the existing and neighbouring properties. The upper stratum of soil is a sandy clay meaning typically less susceptible |
| 8 | Is the site within 100m of a watercourse? | NO | Not according to Figure 12 of the Arup report, extracts from the Envirocheck report and Ordnance Survey maps. |

| | | | |
|---|---|---|---|
| 9 | Is the site within an area of previously worked ground? | NO | A small amount of overlying fill indicating rationalising and terracing of the land longitudinally across the property |
| 10 | Is the site within an aquifer? If so will the proposed basement extend beneath the water table such that dewatering may be required during the construction? | NO | BGS records indicate non water bearing London Clays to significant depths at least 30m below the ground level |
| 11 | Is the site within 50m of the Hampstead Heath ponds? | NO | Ponds are some 2000+m away |
| 12 | Is the site within 5m of a highway or pedestrian right of way? | YES | The lightwell extension to the rear is 15m away from the highway. |
| 13 | Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties? | NO | The proposed foundations are slightly shallower (or at the same level) to the existing |
| 14 | Is the site over (or within exclusion zone of) any tunnels e.g. railway lines? | NO | Railways are underground and overground and 150m to the north |

| **SCREENING CHECKLIST: SURFACE FLOW AND FLOODING IMPACT IDENTIFICATION** | | | |
|---|---|---|---|
| CONSIDERATION | | RESPONSE | JUSTIFICATION |
| 1 | Is the site in the catchment of the pond chains in Hampstead Heath | NO | The property is located topographically down-stream of the pond chain |
| 2 | As part of the proposed site drainage, will surface water flows (eg volume of rainfall and peak run-off) be materially changed from the existing route? | NO | The existing drainage routes and rainwater catchment will be unchanged |
| 3 | Will the proposed basement development result in a change in the proportion of hard surfaced/paved external areas? | NO | The works outside of the building footprint (the front light well) do not add further drained hard areas. |

| | | | |
|---|---|---|---|
| 4 | Will the proposed basement result in changes to the profile of the inflows (instantaneous and long term) of the surface water being received by adjacent properties or downstream watercourses? | NO | The front light well will neither increase or decrease the natural surface water flows |
| 5 | Will the proposed basement development result in changes to the quality of of surface water being received by adjacent properties or downstream watercourses? | NO | All hard paved areas will discharge run-off to existing sewers as currently |
| 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 a nearby surface water feature? | NO | The findings of this BIA together with the Camden Flood Risk Management Strategy dated 2013 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. The adjacent surface water flood risk is classified as low (1000 year return). |

### 3.2 STAGE 2: SCOPING

The screening assessment identifies the following matters, which are required to be studied and justified or discussed further.

- Stiff sandy clay is the shallowest stratum on the site (the excavations would occur within this clay stratum): What are the geotechnical implications?
- The site and proposed works occur within 5m of the public highway: What are the constructional implications?

These aspects are considered further in Stage 4 (see section 4) and elaborated upon in section 5 (detailed design considerations).

## 4. STAGE 4: IMPACT ASSESSMENT

### 4.1 SURFACE FLOW AND FLOODING IMPACT

With reference to the Environment Agency's Flood Risk map, it can be seen that the site lies outside any flood risk zones. The site is on higher ground than the areas that

historically experienced flooding most recently in 1975, as is indicated on the map below, [Figure 4]. As such, no detailed Flood Risk Assessment is deemed required.

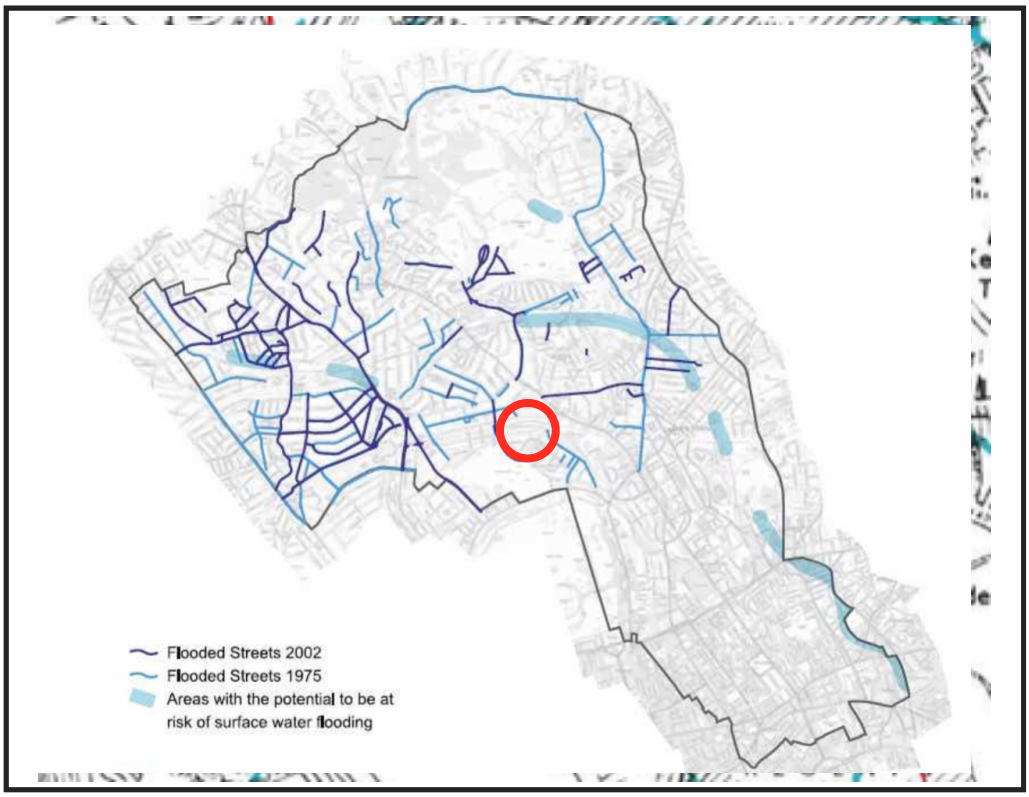
The hard-standing and roof areas combined do not materially increase in the proposed scheme, and so the outflows into the public sewer system from the site due to surface waters will be comparable to the existing site.

**4.2 SUBTERRANEAN GROUNDWATER FLOW IMPACT**

The existing subsoils are of London Clay. It is assumed there is a nominal build-up of made ground underlain by a sandy clay, upon which the original foundations are situated.

The local natural watercourse has been historically culverted (as identified in the historic mapping study (ref section 2.1 and figure 1, along with figure 5, below), and is a suitable distance away to not be impacted by the proposed excavations.

Because the property has structural foundations already extending to the depth (or deeper) of the proposed excavations the penetration of the building structures will not be increased in depth by the proposed development. The proposed extensions also have a negligible volumetric impact upon the subsoils. The clay subsoils are relatively impermeable and so any lateral ground water flows would be minimal. As such the proposed extension is deemed to have no significant effect on the local hydrogeology.




[FIGURE 4] CAMDEN FLOODING MAP

### 4.3 PUBLIC HIGHWAY BOUNDARY PROXIMITY IMPACT

The implications of this matter are related to the design and construction of suitable retaining structures. This is therefore discussed and addressed in section 5, which details the considerations of how the structures will be built against the existing boundaries, and section 6, which addresses the works sequence.

### 4.4 STABILITY OF EXCAVATIONS

Excavations in made ground are more likely to be unstable and so may require temporary support.

Excavations within the firm silty clay are expected to be stable in the short term.

The predominant excavation of the rear lightwell will be into the firm clayey soils which have inherent local temporary stability but the depth of the excavation will exceed 1.2m. Therefore temporary restraint to the excavations will be necessary for safety compliance. However it would appear likely that the made ground may be less stable, and so temporary restraint to the deeper excavations to the light well will also be required for this reason.

For the underpin excavations under the existing garden wall, the majority of the excavation will be into the firm clayey soils. The depth of the excavation will exceed 1.2m, therefore temporary restraint to the excavations will be necessary for safety compliance.

#### 4.5.1 UNDERPINNING

Neighbouring building stability is to be assured by proper sequencing of the underpins to the garden wall.

The proposed underpinning is 3m deep. It is reasonably judged that only a very minor increase in load due to the concrete in place of the soil will be experienced, and with the slightly increased bearing area the difference in ground bearing pressure is zero to negligible. The soils at the proposed bearing level have been subjected to the existing building loadings for an extended period of over 40 years. In consideration of these factors, the risk of settlement of the underpins themselves, as a result of vertically applied ground bearing load, is considered to be negligible and therefore of no considerable consequence particularly in view of the greater influence presented by the lower ground floor excavation itself.

## 5. DETAILED PROPOSALS AND DESIGN CONSIDERATIONS

### 5.1 REAR LIGHTWELL TO ACCOMMODATION

The protection of the neighbouring properties and boundary structures has been carefully considered, such to ensure that during the works the boundary and neighbouring structures are protected from ground movement. The techniques proposed therefore are designed to conform with this.

#### 5.1.1 UNDERPINNING

The existing side walls on the boundary lines in the rear garden will be underpinned in 1.0m bays to approximately 3m of depth. Underpinning will be sequenced as shown on the plans, to avoid excavating immediately adjacent freshly curing concrete. The underpinning will be pinned-up with compacted dry pack mortar.

### 5.2 REAR LIGHTWELL EXTENSION

#### 5.2.1 RETAINING WALLS

The rear garden will be excavated locally to be near the level of the existing lower ground floor level, and the boundary to the north, west and east will be retained using a new reinforced concrete cantilever retaining wall.

#### 5.2.2 HIGHWAYS

The front and the rear of the property are adjacent to the public highway. However, the new rear lightwell extension falls outside the zone affected by the highway. The surcharge recommended by the Highways Agency Design Manual for Roads and Bridges Volume 1, Section 3, Part 14 does not need to be considered. Therefore, the proposed rear retaining wall is to be designed to resist 2.5KN/m2. A calculation for this wall is appended to this report.

### 5.3 PARTY WALLS

The proposed development falls within the scope of the Party Wall Act 1996. Procedures under the Act will be dealt with in full by the Employer's Party Wall Surveyor. The Party Wall Surveyor will prepare and serve necessary notices under the provisions of the Act and agree Party Wall Awards in the event of disputes. The Contractor will be required to provide the Party Wall Surveyor with appropriate drawings, Method Statements and other relevant information covering the works that are notifiable under the Act. The resolution of matter under the Act and provision of the Party Wall Awards will protect the interests of all owners.

The scheme for 25 Meadowbank will be developed so as not to preclude or inhibit similar, or indeed any, works on the adjoining properties in the street. The Surveyors will verify this as part of the process under the Act.

### 5.4 DESIGN CODES

The following design codes will be followed during the detailed design stage:

The Building Regulations 2010 - Approved Document A

- BS 648 - Weights of building materials
- BS 5950:1 - Structural use of steelwork in building
- BS 5268 - Structural use of timber
- BS 5628-1:2005 - Code of practise for the use of masonry
- BS 6399:1 - Loadings for buildings (Dead and imposed loads)
- BS 6399:2 - Loadings for buildings (Wind loads)
- BS 8000:Section 2.2:1990 - Workmanship on building sites
- BS 8002 - Earth retaining structures
- BS 8004 - Foundations
- BS 8102 - Protection of structures against water from the ground
- BS 8110:1 - Structural use of Concrete

## 6. CONSTRUCTION METHODOLOGY

### 6.1 SEQUENCE OF WORKS

The outline construction sequence and temporary works assumed in the design and described in this report will be superseded by the Contractor's construction proposals. The Contractor will be required to provide full proposals, method statements and calculations to the engineer prior to the commencement of any works on site and these will be considered in conjunction with the permanent structures and verified as suitable before the works are implemented.

The appointed contractor will be required to provide a detailed works sequence with their tender submission. An outline sequence of the substructures works is likely to be as follows:

- Secure site, erect hoardings, establish welfare facilities, and divert on-site services.
- Enabling works, demolition and stripping out works.  Detailed sequence by specialist contractor. Remove debris and excavation arisings from site via the highway, in accordance with agreed management plan.
- Excavate underpins for garden wall adjoining the neighbouring properties in sequenced bays 1.0m wide. Cast mass concrete against soil to the rear and formwork to the front face with a “letterbox” at the top. Terminate concrete 75mm below the underside of the existing footing.
- 24 hours after casting concrete, ram dry-pack mortar onto the gap between pre-existing footing and new underpin.
- Continue until walls have been underpinned following standard timings for underpinning, ensuring no excavation is carried out until at least 48 hours after casting an adjacent underpin.
- Excavate soil for the lightwell reinforced walls. Place lateral propping at lower ground level, which may involve a thickening in the lightwell slab to ensure it meets the slab of the existing lower ground floor.
- Temporary propping to be installed as the excavation progresses
- Lay and compact 150mm hardcore + 50mm blinding to provide suitable working surface
- Arrange reinforcement for slab then cast concrete slab with a 150mm tall kicker containing a waterstop bar. New slab is to be dowelled into the existing one (through the thickening if required).
- Attach wall reinforcement to starter bars from kicker then erect front formwork, propped onto new slab, and cast concrete walls
- Construct retaining walls, progressively, removing shoring as this progresses
- Once cured, remove temporary props

**6.2 MOVEMENT CONTROL**

The techniques proposed are proven to produce minimal or negligible movement effects to the party walls, and the deflection of the retaining walls can be practically limited so as to avoid disturbance to the retained ground.

It has been demonstrated that the excavations made and the works being conducted using normal techniques it is practical to achieve a level of 1 [very slight damage] on the Burland Scale, such to limit any damage to ‘slight’.

A heave response, due to the relatively minor overburden relief, is not considered to represent a practical risk.

**6.3 MONITORING OF ADJACENT STRUCTURES**

It is proposed that the integrity of the adjacent properties is safeguarded by a system of movement monitoring. The Contractor shall appoint a specialist survey company to establish monitoring positions (targets) to key elements of the neighbouring buildings as deemed required.

The external facades and Party Walls will be monitored at these positions and the targets shall be firmly attached to allow 3D location measurement for the duration of the work, to a continuous and uninterrupted accuracy of +/- 1mm. Suitable remote reference bases unaffected by the works will be adopted.

Two series of baseline readings shall be taken before the work begins then readings shall be taken shortly after the start of excavation then at weekly intervals during the basement construction until the RC shell is complete and propped after which point the frequency will be reduced to then a final reading 6 months after completion.

All measurements will be plotted graphically, clearly indicating any movements over time. Results shall be submitted and circulated to all relevant parties including the appointed Party Wall Surveyors within 24 hours of being measured.

Trigger levels are to be as set out below. In the event of a 'red' value being reached the Contractor must immediately stop, make safe the works, notify the Party Wall Surveyors and only recommence when agreed by the appointed Surveyors.

Trigger Levels for movement:

Vertical movement of Party Walls (including garden walls):

| | |
|---|---|
| Amber +/- 5mm | All parties notified |
| Red +/- 8mm | Work stopped and reviewed |

Lateral movement of Party Walls (including garden walls):

| | |
|---|---|
| Amber +/- 5mm | All parties notified |
| Red +/- 8mm | Work stopped and reviewed |

Lateral or vertical movement of facades:

| | |
|---|---|
| Amber +/- 5mm | All parties notified |
| Red +/- 8mm | Work stopped and reviewed |

**6.4 NOISE, DUST AND VIBRATION**

All demolition and construction works will be carried out by a competent and qualified contractor, who should be required to accord with the Considerate Constructors Scheme, and take all necessary measures to minimise the short term disturbances in terms of noise, vibration and dust which might impact on the local environment and the neighbouring residents and businesses.

The following measures and actions will be implemented:

**Noise** – Neighbours will be notified in advance of noisy activity, in particular where these are on or near boundary structures. Where there is particular sensitivity, activity will be restricted to 09:00-17:00 Monday to Friday.

In all cases where possible, electrically operation tools will be used in preference to engine driven machinery.

The use of site radios will be considered carefully in terms of their locations and volume levels, and if any neighbour complaints are received, a firm prohibition of their use will be enforced.

**Vibration** – While the use or percussive, powered machinery upon hard construction materials in many situations will likely give rise to inevitable vibration, wherever possible and in accordance with CCS Code, unnecessary vibration will be avoided and mitigated. This will take the form of the careful planning and consideration of the hardness of the material being demolished, and the works planned and notified accordingly, and where considered particularly unavoidable, the 09:00-17:00 working hours principle be observed.

**Dust** – Most of the works will be internal and so can be relatively easily isolated from becoming airborne and dispersing to neighbours and the local environment. External activity shall be contained as best as possible using suitable hoardings and sheeting.

Materials stored externally would be covered or contained to avoid wind and weather disturbance to granular and particulate materials. Structural concrete will be typically mixed off-site and delivered, but where small quantities or mortar are to be site mixed, this can be done in an enclosed area to limit cement dust from becoming airborne.

Deliveries of materials shall be covered where potential for dust is prevalent. Waste skips and excavated soils are to be covered whenever practicable.

For activities that generate dust, surface wetting-down, and water misting will be used to suppress dusting. Rotary cutters will use water as a dust suppressant.

**Housekeeping** – Shared driveways, external pavements on the site and in front of, will be regular swept, and should vehicles or windows become soiled, the contractor shall arrange cleaning as the neighbour so desires.

## 7. TEMPORARY WORKS

Temporary works design and coordination is to be carried out by a suitably qualified and experienced specialist and full design details (drawings and calculations) will be submitted to the engineer for comment. This specialist will be appointed by the Contractor who will be responsible for the design, erection and maintenance of all temporary works to ensure the stability of the existing structure, excavations and adjacent structures at all times.

An indicative temporary works to forming the rear light well would be typically as follows.

1. Underpin the main house garden walls first

2. Excavate the garden locally in approx 1.2m drops. Conduct the first drop, installing trench sheeting against excavated soil face, driving trench sheets into floor of excavation by hand, to some 400mm embedment.

3. Install waling beam to head of trench sheets, and secure to rear wall, and connect securely at corners, to permit beams to span laterally.

4. Install waling beam at floor of excavation and secure similarly.

5. Progress to second excavation drop for further 1.2m, and repeat steps 2, 3, and 4. Ensure trench sheets are lapped at each waling restraint.

6. Repeat for third drop to formation level.

7. Install base slab, with starter bars.

8. Form RC retaining walls in approx 1.2m lifts, removing waling beams after each lift has cured sufficiently.

## 8. SUMMARY

During construction, lateral and vertical stability of the building will be maintained by directly underpinning and temporarily propping, such that no significant adverse movement is expected.

Environmental impacts have been assessed, and the response to geotechnical and hydrological aspects have been considered. The proposals are deemed to not have any adverse impact in this respect.

Once complete, the new structure will provide a robust and secure support for both new and existing structure without detriment to the overall stability of the building or adjoining property.

None of the proposed superstructure alterations will fundamentally affect the integrity and stability of the original structures upon and adjacent the site. The front (southern boundary) of the property is adjacent to the public highway of Meadowbank. However, the proposed retaining structures is not in the vicinity of this highway therefore it doesn't need to be designed to accommodate the loads recommended by the Highways Agency Design Manual for Roads and Bridges Volume 1, Section 3, Part 14. in addition to the loadings imposed by the ground.

for Constructure Ltd

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## APPENDICES.

**APPENDIX A: DRAWINGS**

1760_SK-01: Lower Ground Floor Plan

1760_SK-02: Upper Ground Floor Plan

**APPENDIX B: RETAINING WALL CALCULATION**

**APPENDIX C: SITE INVESTIGATION REPORT**

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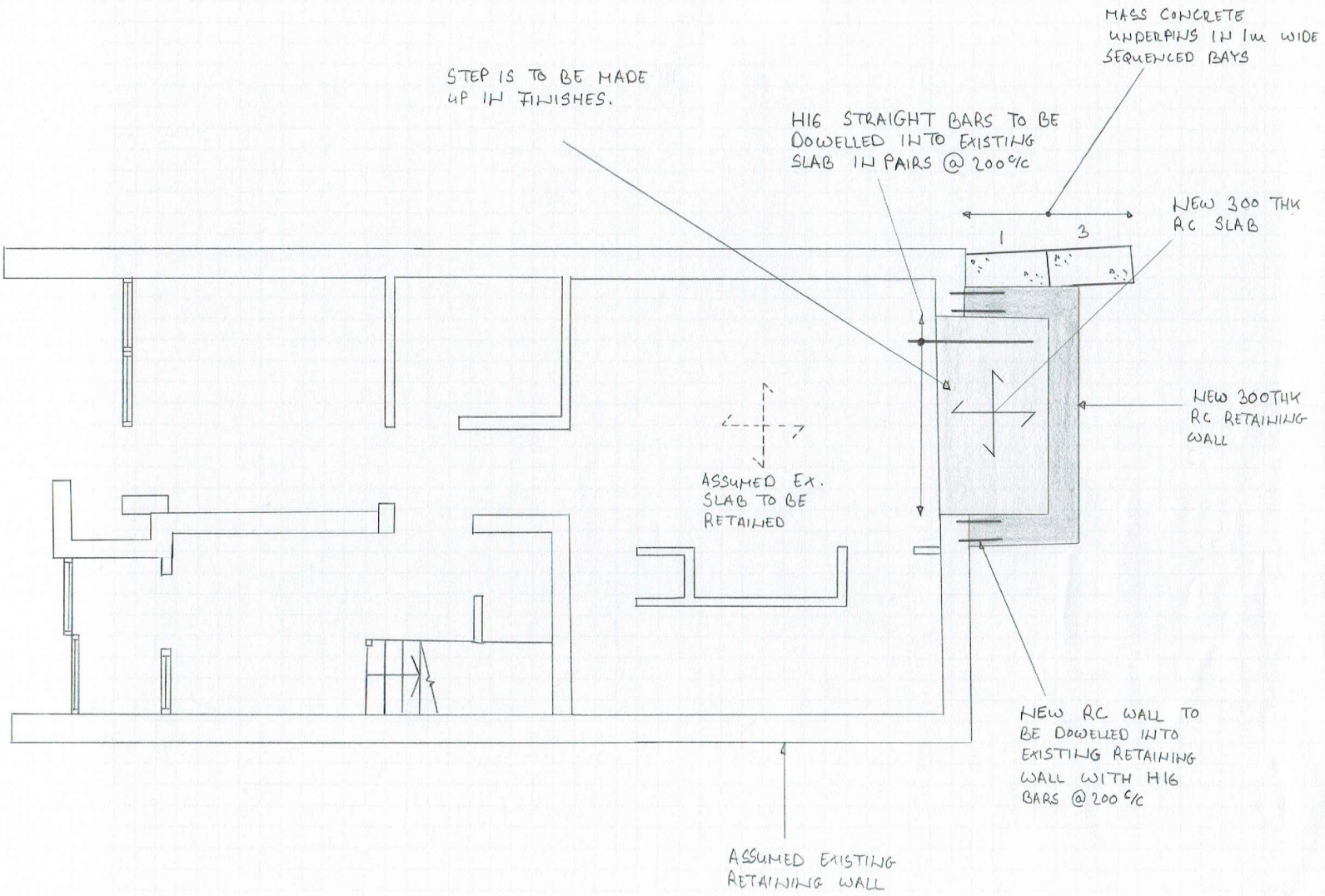
NOTE:
ALL TEMPORARY WORKS TO CONTRACTOR'S DESIGN.




LOWER GROUND FLOOR

1:50 @ A3
(DO NOT SCALE)

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|---|---|---|---|
| Project No. 760 | Sheet SK-01 | Revision | 25 MEADOWBANK |
| Date 22.10.2018 | Engineer KT | Checked | Project |

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NOTE:
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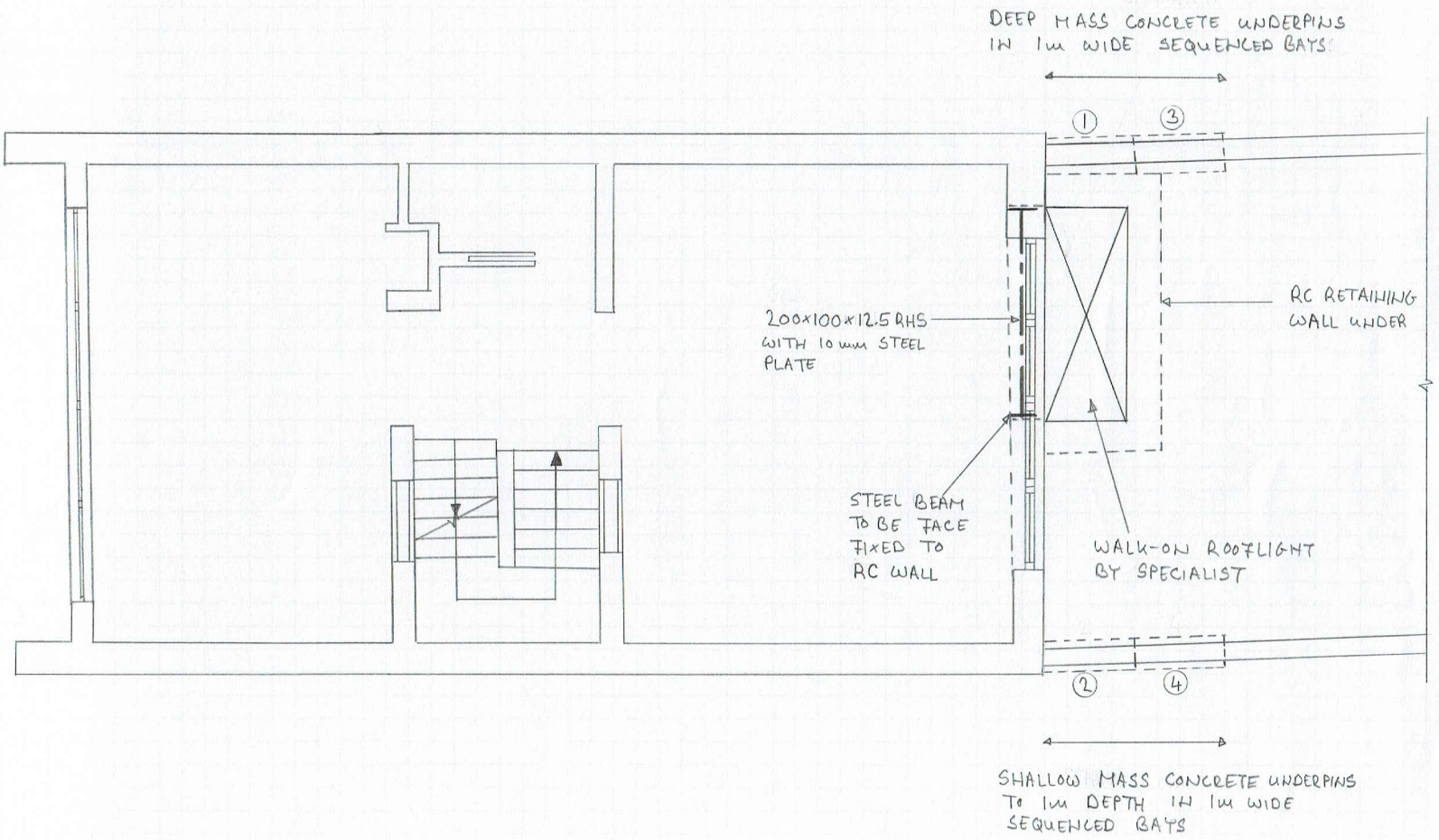


UPPER GROUND FLOOR

1:50 @ A3
DO NOT SCALE

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| Project No. 1760 | Sheet SK-02 | Revision | 25 MEADOW BANK |
| Date 22.10.2018 | Engineer KT | Checked | Project |

| Project No. 1760 | November 2018 |
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# 25 Meadowbank
# Structural Calculations

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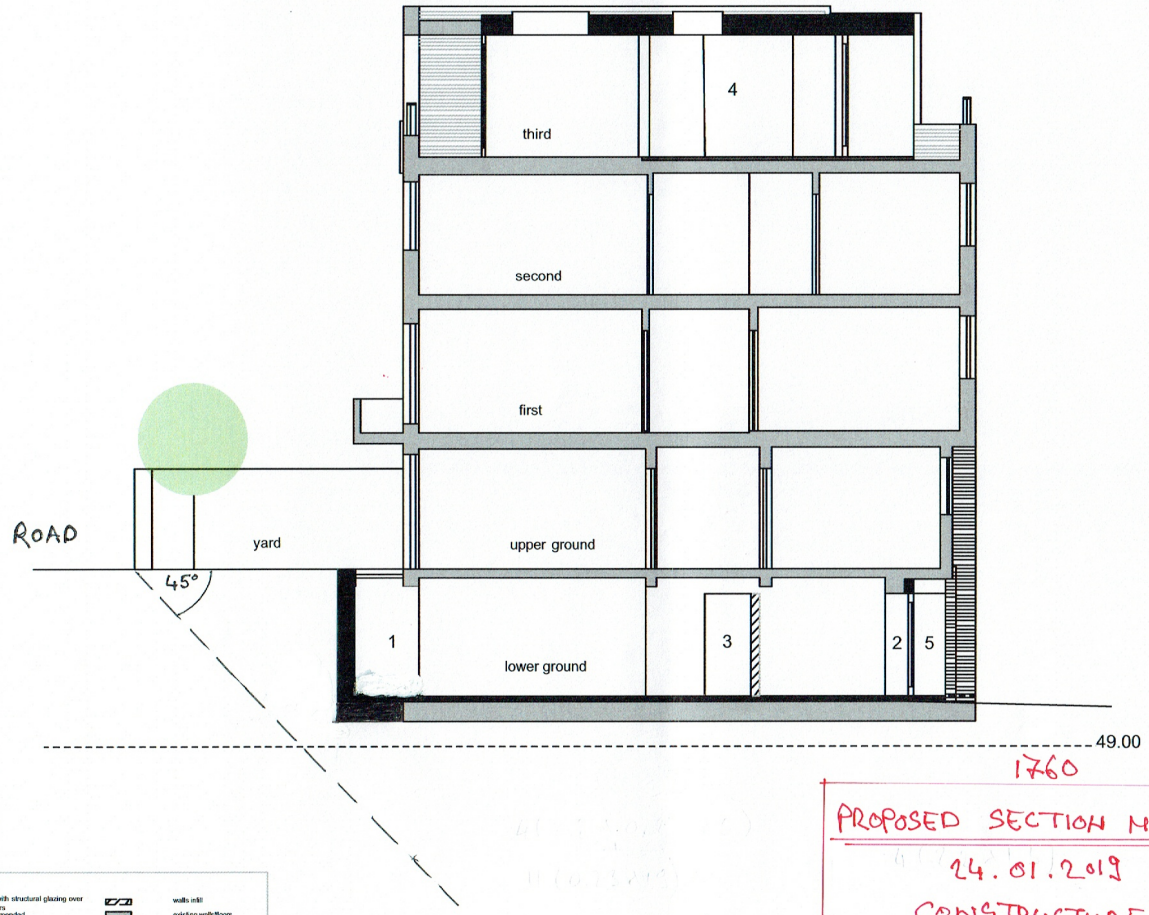
PROPOSED SECTION 1:100




KEY

| | | | |
|---|---|---|---|
| 1 | new lightwell, with structural glazing over | | walls infill |
| 2 | new bifold doors | | existing walls/floors |
| 3 | door position amended | | new walls/floors |
| 4 | new roof extension | | new wall lining |
| 5 | new door to meter cupboard | | |

1760

PROPOSED SECTION MARK-UP

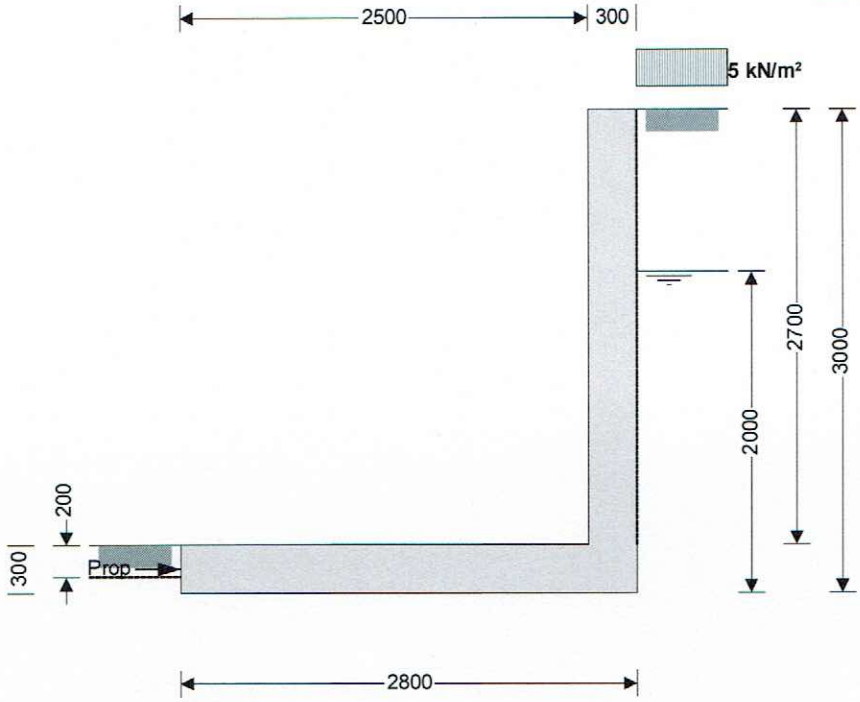
24.01.2019

CONSTRUCTURE LTD

LUCY MARSTON

## RETAINING WALL ANALYSIS (BS 8002:1994)

TEDDS calculation version 1.2.01.06




**Wall details**

| | |
|---|---|
| Retaining wall type | **Cantilever propped at base** |
| Height of retaining wall stem | $h_{stem}$ = **2700** mm |
| Thickness of wall stem | $t_{wall}$ = **300** mm |
| Length of toe | $l_{toe}$ = **2500** mm |
| Length of heel | $l_{heel}$ = **0** mm |
| Overall length of base | $l_{base} = l_{toe} + l_{heel} + t_{wall}$ = **2800** mm |
| Thickness of base | $t_{base}$ = **300** mm |
| Depth of downstand | $d_{ds}$ = **0** mm |
| Position of downstand | $l_{ds}$ = **750** mm |
| Thickness of downstand | $t_{ds}$ = **300** mm |
| Height of retaining wall | $h_{wall} = h_{stem} + t_{base} + d_{ds}$ = **3000** mm |
| Depth of cover in front of wall | $d_{cover}$ = **0** mm |
| Depth of unplanned excavation | $d_{exc}$ = **200** mm |
| Height of ground water behind wall | $h_{water}$ = **2000** mm |
| Height of saturated fill above base | $h_{sat} = \max(h_{water} - t_{base} - d_{ds}, 0\ mm)$ = **1700** mm |
| Density of wall construction | $\gamma_{wall}$ = **23.6** kN/m³ |
| Density of base construction | $\gamma_{base}$ = **23.6** kN/m³ |
| Angle of rear face of wall | $\alpha$ = **90.0** deg |
| Angle of soil surface behind wall | $\beta$ = **0.0** deg |
| Effective height at virtual back of wall | $h_{eff} = h_{wall} + l_{heel} \times \tan(\beta)$ = **3000** mm |

**Retained material details**

| | |
|---|---|
| Mobilisation factor | M = **1.5** |
| Moist density of retained material | $\gamma_m$ = **18.0** kN/m³ |

Saturated density of retained material $\gamma_s$ = **21.0** kN/m$^3$

Design shear strength $\phi'$ = **24.2** deg

Angle of wall friction $\delta$ = **18.6** deg

**Base material details**

Moist density $\gamma_{mb}$ = **18.0** kN/m$^3$

Design shear strength $\phi'_b$ = **24.2** deg

Design base friction $\delta_b$ = **18.6** deg

Allowable bearing pressure $P_{bearing}$ = **100** kN/m$^2$

**Using Coulomb theory**

Active pressure coefficient for retained material

$$K_a = \sin(\alpha + \phi')^2 / (\sin(\alpha)^2 \times \sin(\alpha - \delta) \times [1 + \sqrt{(\sin(\phi' + \delta) \times \sin(\phi' - \beta) / (\sin(\alpha - \delta) \times \sin(\alpha + \beta)))}]^2) = \mathbf{0.369}$$

Passive pressure coefficient for base material

$$K_p = \sin(90 - \phi'_b)^2 / (\sin(90 - \delta_b) \times [1 - \sqrt{(\sin(\phi'_b + \delta_b) \times \sin(\phi'_b) / (\sin(90 + \delta_b)))}]^2) = \mathbf{4.187}$$

**At-rest pressure**

At-rest pressure for retained material $K_0 = 1 - \sin(\phi') = \mathbf{0.590}$

**Loading details**

Surcharge load on plan Surcharge = **5.0** kN/m$^2$

Applied vertical dead load on wall $W_{dead}$ = **0.0** kN/m

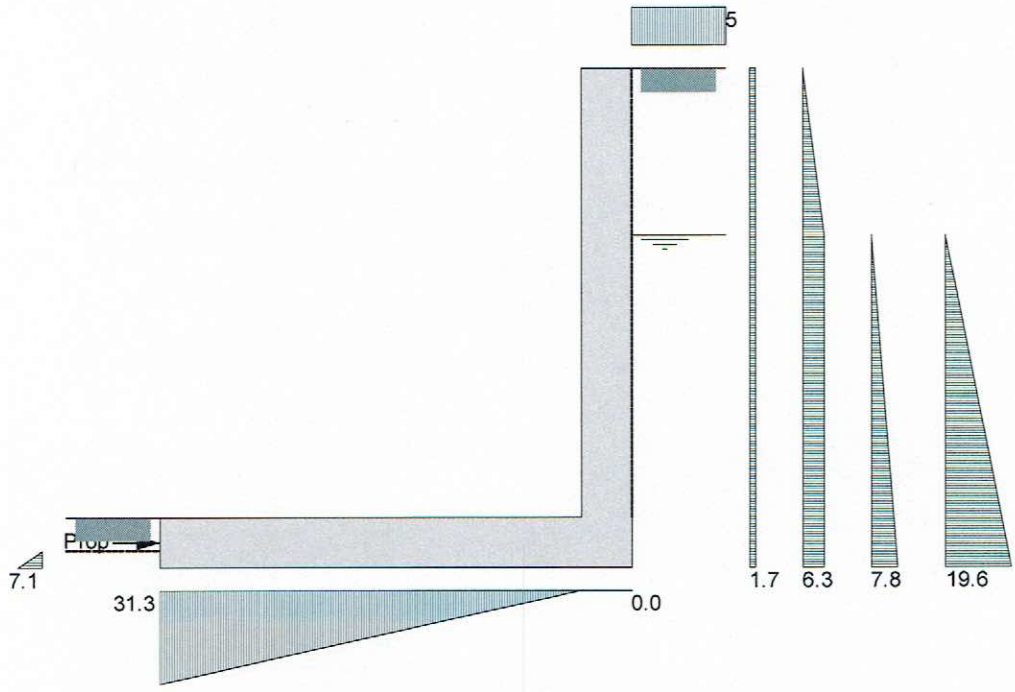
Applied vertical live load on wall $W_{live}$ = **0.0** kN/m

Position of applied vertical load on wall $l_{load}$ = **0** mm

Applied horizontal dead load on wall $F_{dead}$ = **0.0** kN/m

Applied horizontal live load on wall $F_{live}$ = **0.0** kN/m

Height of applied horizontal load on wall $h_{load}$ = **0** mm




Loads shown in kN/m, pressures shown in kN/m$^2$

**Vertical forces on wall**

Wall stem $w_{wall} = h_{stem} \times t_{wall} \times \gamma_{wall}$ = **19.1** kN/m

Wall base $w_{base} = l_{base} \times t_{base} \times \gamma_{base}$ = **19.8** kN/m

Total vertical load $W_{total} = w_{wall} + w_{base}$ = **38.9** kN/m

**Horizontal forces on wall**

Surcharge $F_{sur} = K_a \times \cos(90 - \alpha + \delta) \times \text{Surcharge} \times h_{eff}$ = **5.2** kN/m

Moist backfill above water table $F_{m\_a} = 0.5 \times K_a \times \cos(90 - \alpha + \delta) \times \gamma_m \times (h_{eff} - h_{water})^2$ = **3.1** kN/m

Moist backfill below water table $F_{m\_b} = K_a \times \cos(90 - \alpha + \delta) \times \gamma_m \times (h_{eff} - h_{water}) \times h_{water}$ = **12.6** kN/m

Saturated backfill $F_s = 0.5 \times K_a \times \cos(90 - \alpha + \delta) \times (\gamma_s - \gamma_{water}) \times h_{water}^2$ = **7.8** kN/m

Water $F_{water} = 0.5 \times h_{water}^2 \times \gamma_{water}$ = **19.6** kN/m

Total horizontal load $F_{total} = F_{sur} + F_{m\_a} + F_{m\_b} + F_s + F_{water}$ = **48.4** kN/m

**Calculate propping force**

Passive resistance of soil in front of wall $F_p = 0.5 \times K_p \times \cos(\delta_b) \times (d_{cover} + t_{base} + d_{ds} - d_{exc})^2 \times \gamma_{mb}$ = **0.4** kN/m

Propping force $F_{prop} = \max(F_{total} - F_p - (W_{total}) \times \tan(\delta_b), 0 \text{ kN/m})$

$F_{prop}$ = **35.0** kN/m

**Overturning moments**

Surcharge $M_{sur} = F_{sur} \times (h_{eff} - 2 \times d_{ds}) / 2$ = **7.9** kNm/m

Moist backfill above water table $M_{m\_a} = F_{m\_a} \times (h_{eff} + 2 \times h_{water} - 3 \times d_{ds}) / 3$ = **7.3** kNm/m

Moist backfill below water table $M_{m\_b} = F_{m\_b} \times (h_{water} - 2 \times d_{ds}) / 2$ = **12.6** kNm/m

Saturated backfill $M_s = F_s \times (h_{water} - 3 \times d_{ds}) / 3$ = **5.2** kNm/m

Water $M_{water} = F_{water} \times (h_{water} - 3 \times d_{ds}) / 3$ = **13.1** kNm/m

Total overturning moment $M_{ot} = M_{sur} + M_{m\_a} + M_{m\_b} + M_s + M_{water}$ = **46.1** kNm/m

**Restoring moments**

Wall stem $M_{wall} = w_{wall} \times (l_{toe} + t_{wall} / 2)$ = **50.7** kNm/m

Wall base $M_{base} = w_{base} \times l_{base} / 2$ = **27.8** kNm/m

Total restoring moment $M_{rest} = M_{wall} + M_{base}$ = **78.4** kNm/m

**Check bearing pressure**

Total moment for bearing $M_{total} = M_{rest} - M_{ot}$ = **32.3** kNm/m

Total vertical reaction $R = W_{total}$ = **38.9** kN/m

Distance to reaction $x_{bar} = M_{total} / R$ = **829** mm

Eccentricity of reaction $e = \text{abs}((l_{base} / 2) - x_{bar})$ = **571** mm

***Reaction acts outside middle third of base***

Bearing pressure at toe $p_{toe} = R / (1.5 \times x_{bar})$ = **31.3** kN/m$^2$

Bearing pressure at heel $p_{heel}$ = 0 kN/m$^2$ = **0** kN/m$^2$

***PASS - Maximum bearing pressure is less than allowable bearing pressure***

## RETAINING WALL DESIGN (BS 8002:1994)

TEDDS calculation version 1.2.01.06

### Ultimate limit state load factors

| | |
|---|---|
| Dead load factor | $\gamma_{f\_d}$ = **1.4** |
| Live load factor | $\gamma_{f\_l}$ = **1.6** |
| Earth and water pressure factor | $\gamma_{f\_e}$ = **1.4** |

### Factored vertical forces on wall

| | |
|---|---|
| Wall stem | $w_{wall\_f} = \gamma_{f\_d} \times h_{stem} \times t_{wall} \times \gamma_{wall}$ = **26.8** kN/m |
| Wall base | $w_{base\_f} = \gamma_{f\_d} \times l_{base} \times t_{base} \times \gamma_{base}$ = **27.8** kN/m |
| Total vertical load | $W_{total\_f} = w_{wall\_f} + w_{base\_f}$ = **54.5** kN/m |

### Factored horizontal at-rest forces on wall

| | |
|---|---|
| Surcharge | $F_{sur\_f} = \gamma_{f\_l} \times K_0 \times \text{Surcharge} \times h_{eff}$ = **14.2** kN/m |
| Moist backfill above water table | $F_{m\_a\_f} = \gamma_{f\_e} \times 0.5 \times K_0 \times \gamma_m \times (h_{eff} - h_{water})^2$ = **7.4** kN/m |
| Moist backfill below water table | $F_{m\_b\_f} = \gamma_{f\_e} \times K_0 \times \gamma_m \times (h_{eff} - h_{water}) \times h_{water}$ = **29.7** kN/m |
| Saturated backfill | $F_{s\_f} = \gamma_{f\_e} \times 0.5 \times K_0 \times (\gamma_s - \gamma_{water}) \times h_{water}^2$ = **18.5** kN/m |
| Water | $F_{water\_f} = \gamma_{f\_e} \times 0.5 \times h_{water}^2 \times \gamma_{water}$ = **27.5** kN/m |
| Total horizontal load | $F_{total\_f} = F_{sur\_f} + F_{m\_a\_f} + F_{m\_b\_f} + F_{s\_f} + F_{water\_f}$ = **97.3** kN/m |

### Calculate propping force

| | |
|---|---|
| Passive resistance of soil in front of wall kN/m | $F_{p\_f} = \gamma_{f\_e} \times 0.5 \times K_p \times \cos(\delta_b) \times (d_{cover} + t_{base} + d_{ds} - d_{exc})^2 \times \gamma_{mb}$ = **0.5** |
| Propping force | $F_{prop\_f} = \max(F_{total\_f} - F_{p\_f} - (W_{total\_f}) \times \tan(\delta_b), 0 \text{ kN/m})$<br>$F_{prop\_f}$ = **78.4** kN/m |

### Factored overturning moments

| | |
|---|---|
| Surcharge | $M_{sur\_f} = F_{sur\_f} \times (h_{eff} - 2 \times d_{ds}) / 2$ = **21.2** kNm/m |
| Moist backfill above water table | $M_{m\_a\_f} = F_{m\_a\_f} \times (h_{eff} + 2 \times h_{water} - 3 \times d_{ds}) / 3$ = **17.3** kNm/m |
| Moist backfill below water table | $M_{m\_b\_f} = F_{m\_b\_f} \times (h_{water} - 2 \times d_{ds}) / 2$ = **29.7** kNm/m |
| Saturated backfill | $M_{s\_f} = F_{s\_f} \times (h_{water} - 3 \times d_{ds}) / 3$ = **12.3** kNm/m |
| Water | $M_{water\_f} = F_{water\_f} \times (h_{water} - 3 \times d_{ds}) / 3$ = **18.3** kNm/m |
| Total overturning moment | $M_{ot\_f} = M_{sur\_f} + M_{m\_a\_f} + M_{m\_b\_f} + M_{s\_f} + M_{water\_f}$ = **99** kNm/m |

### Restoring moments

| | |
|---|---|
| Wall stem | $M_{wall\_f} = w_{wall\_f} \times (l_{toe} + t_{wall} / 2)$ = **70.9** kNm/m |
| Wall base | $M_{base\_f} = w_{base\_f} \times l_{base} / 2$ = **38.9** kNm/m |
| Total restoring moment | $M_{rest\_f} = M_{wall\_f} + M_{base\_f}$ = **109.8** kNm/m |

### Factored bearing pressure

| | |
|---|---|
| Total moment for bearing | $M_{total\_f} = M_{rest\_f} - M_{ot\_f}$ = **10.8** kNm/m |
| Total vertical reaction | $R_f = W_{total\_f}$ = **54.5** kN/m |
| Distance to reaction | $x_{bar\_f} = M_{total\_f} / R_f$ = **198** mm |
| Eccentricity of reaction | $e_f = \text{abs}((l_{base} / 2) - x_{bar\_f})$ = **1202** mm |
| | ***Reaction acts outside middle third of base*** |
| Bearing pressure at toe | $p_{toe\_f} = R_f / (1.5 \times x_{bar\_f})$ = **183.3** kN/m$^2$ |
| Bearing pressure at heel | $p_{heel\_f}$ = 0 kN/m$^2$ = **0** kN/m$^2$ |
| Rate of change of base reaction | rate = $p_{toe\_f} / (3 \times x_{bar\_f})$ = **308.28** kN/m$^2$/m |
| Bearing pressure at stem / toe | $p_{stem\_toe\_f} = \max(p_{toe\_f} - (\text{rate} \times l_{toe}), 0 \text{ kN/m}^2)$ = **0** kN/m$^2$ |
| Bearing pressure at mid stem | $p_{stem\_mid\_f} = \max(p_{toe\_f} - (\text{rate} \times (l_{toe} + t_{wall} / 2)), 0 \text{ kN/m}^2)$ = **0** kN/m$^2$ |

Bearing pressure at stem / heel $p_{stem\_heel\_f} = \max(p_{toe\_f} - (\text{rate} \times (l_{toe} + t_{wall})), 0\ kN/m^2) = \mathbf{0}\ kN/m^2$

## Design of reinforced concrete retaining wall toe (BS 8002:1994)

### Material properties

Characteristic strength of concrete $f_{cu} = \mathbf{40}\ N/mm^2$

Characteristic strength of reinforcement $f_y = \mathbf{500}\ N/mm^2$

### Base details

Minimum area of reinforcement $k = \mathbf{0.13}\ \%$

Cover to reinforcement in toe $c_{toe} = \mathbf{50}\ mm$

### Calculate shear for toe design

Shear from bearing pressure $V_{toe\_bear} = 3 \times p_{toe\_f} \times x_{bar\_f} / 2 = \mathbf{54.5}\ kN/m$

Shear from weight of base $V_{toe\_wt\_base} = \gamma_{f\_d} \times \gamma_{base} \times l_{toe} \times t_{base} = \mathbf{24.8}\ kN/m$

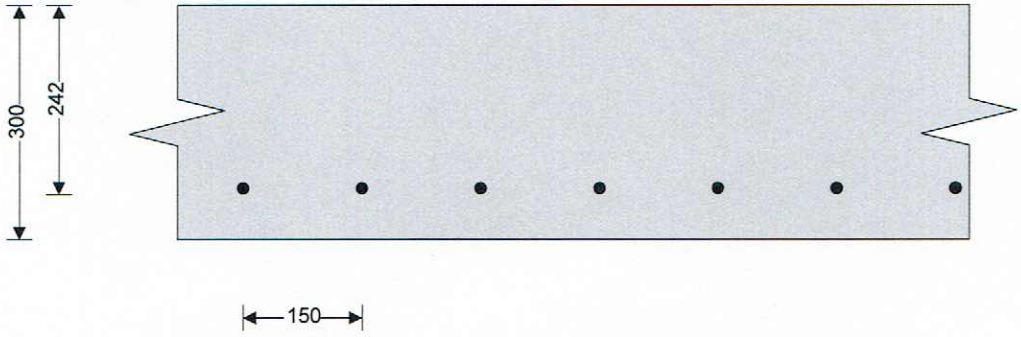
Total shear for toe design $V_{toe} = V_{toe\_bear} - V_{toe\_wt\_base} = \mathbf{29.7}\ kN/m$

### Calculate moment for toe design

Moment from bearing pressure $M_{toe\_bear} = 3 \times p_{toe\_f} \times x_{bar\_f} \times (l_{toe} - x_{bar\_f} + t_{wall} / 2) / 2 = \mathbf{133.7}\ kNm/m$

Moment from weight of base $M_{toe\_wt\_base} = (\gamma_{f\_d} \times \gamma_{base} \times t_{base} \times (l_{toe} + t_{wall} / 2)^2 / 2) = \mathbf{34.8}\ kNm/m$

Total moment for toe design $M_{toe} = M_{toe\_bear} - M_{toe\_wt\_base} = \mathbf{98.9}\ kNm/m$




### Check toe in bending

Width of toe $b = \mathbf{1000}\ mm/m$

Depth of reinforcement $d_{toe} = t_{base} - c_{toe} - (\phi_{toe} / 2) = \mathbf{242.0}\ mm$

Constant $K_{toe} = M_{toe} / (b \times d_{toe}^2 \times f_{cu}) = \mathbf{0.042}$

***Compression reinforcement is not required***

Lever arm $z_{toe} = \min(0.5 + \sqrt{(0.25 - (\min(K_{toe}, 0.225) / 0.9))}, 0.95) \times d_{toe}$

$z_{toe} = \mathbf{230}\ mm$

Area of tension reinforcement required $A_{s\_toe\_des} = M_{toe} / (0.87 \times f_y \times z_{toe}) = \mathbf{989}\ mm^2/m$

Minimum area of tension reinforcement $A_{s\_toe\_min} = k \times b \times t_{base} = \mathbf{390}\ mm^2/m$

Area of tension reinforcement required $A_{s\_toe\_req} = \max(A_{s\_toe\_des}, A_{s\_toe\_min}) = \mathbf{989}\ mm^2/m$

Reinforcement provided **16 mm dia.bars @ 150 mm centres**

Area of reinforcement provided $A_{s\_toe\_prov} = \mathbf{1340}\ mm^2/m$

***PASS - Reinforcement provided at the retaining wall toe is adequate***

### Check shear resistance at toe

Design shear stress $v_{toe} = V_{toe} / (b \times d_{toe}) = \mathbf{0.123}\ N/mm^2$

Allowable shear stress $v_{adm} = \min(0.8 \times \sqrt{(f_{cu} / 1\ N/mm^2)}, 5) \times 1\ N/mm^2 = \mathbf{5.000}\ N/mm^2$

***PASS - Design shear stress is less than maximum shear stress***

**From BS8110:Part 1:1997 – Table 3.8**

Design concrete shear stress $v_{c\_toe} = \mathbf{0.688}\ N/mm^2$

***$v_{toe}$ < $v_{c\_toe}$ - No shear reinforcement required***

## Design of reinforced concrete retaining wall stem (BS 8002:1994)

### Material properties

| | |
|---|---|
| Characteristic strength of concrete | $f_{cu}$ = **40** N/mm$^2$ |
| Characteristic strength of reinforcement | $f_y$ = **500** N/mm$^2$ |

### Wall details

| | |
|---|---|
| Minimum area of reinforcement | k = **0.13** % |
| Cover to reinforcement in stem | $c_{stem}$ = **50** mm |
| Cover to reinforcement in wall | $c_{wall}$ = **50** mm |

### Factored horizontal at-rest forces on stem

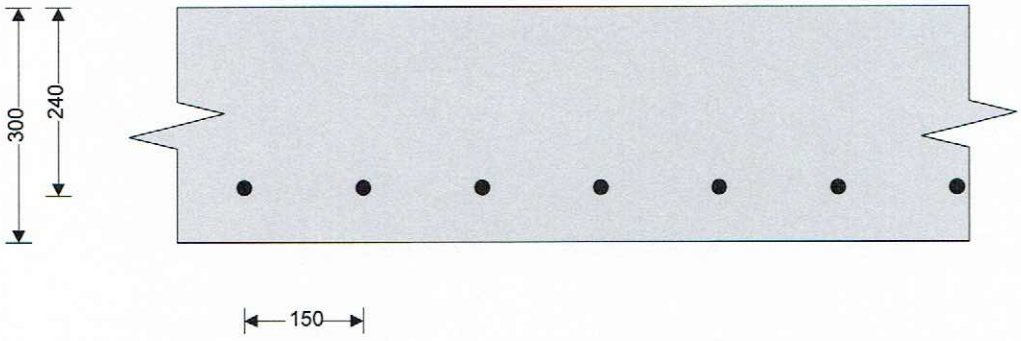
| | |
|---|---|
| Surcharge | $F_{s\_sur\_f} = \gamma_{f\_l} \times K_0 \times \text{Surcharge} \times (h_{eff} - t_{base} - d_{ds})$ = **12.7** kN/m |
| Moist backfill above water table | $F_{s\_m\_a\_f} = 0.5 \times \gamma_{f\_e} \times K_0 \times \gamma_m \times (h_{eff} - t_{base} - d_{ds} - h_{sat})^2$ = **7.4** kN/m |
| Moist backfill below water table | $F_{s\_m\_b\_f} = \gamma_{f\_e} \times K_0 \times \gamma_m \times (h_{eff} - t_{base} - d_{ds} - h_{sat}) \times h_{sat}$ = **25.3** kN/m |
| Saturated backfill | $F_{s\_s\_f} = 0.5 \times \gamma_{f\_e} \times K_0 \times (\gamma_s - \gamma_{water}) \times h_{sat}^2$ = **13.4** kN/m |
| Water | $F_{s\_water\_f} = 0.5 \times \gamma_{f\_e} \times \gamma_{water} \times h_{sat}^2$ = **19.8** kN/m |

### Calculate shear for stem design

| | |
|---|---|
| Shear at base of stem | $V_{stem} = F_{s\_sur\_f} + F_{s\_m\_a\_f} + F_{s\_m\_b\_f} + F_{s\_s\_f} + F_{s\_water\_f} - F_{prop\_f}$ = **0.2** kN/m |

### Calculate moment for stem design

| | |
|---|---|
| Surcharge | $M_{s\_sur} = F_{s\_sur\_f} \times (h_{stem} + t_{base}) / 2$ = **19.1** kNm/m |
| Moist backfill above water table | $M_{s\_m\_a} = F_{s\_m\_a\_f} \times (2 \times h_{sat} + h_{eff} - d_{ds} + t_{base} / 2) / 3$ = **16.2** kNm/m |
| Moist backfill below water table | $M_{s\_m\_b} = F_{s\_m\_b\_f} \times h_{sat} / 2$ = **21.5** kNm/m |
| Saturated backfill | $M_{s\_s} = F_{s\_s\_f} \times h_{sat} / 3$ = **7.6** kNm/m |
| Water | $M_{s\_water} = F_{s\_water\_f} \times h_{sat} / 3$ = **11.2** kNm/m |
| Total moment for stem design | $M_{stem} = M_{s\_sur} + M_{s\_m\_a} + M_{s\_m\_b} + M_{s\_s} + M_{s\_water}$ = **75.7** kNm/m |




### Check wall stem in bending

| | |
|---|---|
| Width of wall stem | b = **1000** mm/m |
| Depth of reinforcement | $d_{stem} = t_{wall} - c_{stem} - (\phi_{stem} / 2)$ = **240.0** mm |
| Constant | $K_{stem} = M_{stem} / (b \times d_{stem}^2 \times f_{cu})$ = **0.033** |
| | ***Compression reinforcement is not required*** |
| Lever arm | $z_{stem} = \min(0.5 + \sqrt{(0.25 - (\min(K_{stem}, 0.225) / 0.9))}, 0.95) \times d_{stem}$ |
| | $z_{stem}$ = **228** mm |
| Area of tension reinforcement required | $A_{s\_stem\_des} = M_{stem} / (0.87 \times f_y \times z_{stem})$ = **763** mm$^2$/m |
| Minimum area of tension reinforcement | $A_{s\_stem\_min} = k \times b \times t_{wall}$ = **390** mm$^2$/m |
| Area of tension reinforcement required | $A_{s\_stem\_req} = \text{Max}(A_{s\_stem\_des}, A_{s\_stem\_min})$ = **763** mm$^2$/m |
| Reinforcement provided | **20 mm dia.bars @ 150 mm centres** |

Area of reinforcement provided $A_{s\_stem\_prov}$ = **2094** mm²/m

***PASS - Reinforcement provided at the retaining wall stem is adequate***

**Check shear resistance at wall stem**

Design shear stress $v_{stem} = V_{stem} / (b \times d_{stem})$ = **0.001** N/mm²

Allowable shear stress $v_{adm} = \min(0.8 \times \sqrt{(f_{cu} / 1\ N/mm^2)}, 5) \times 1\ N/mm^2$ = **5.000** N/mm²

***PASS - Design shear stress is less than maximum shear stress***

**From BS8110:Part 1:1997 – Table 3.8**

Design concrete shear stress $v_{c\_stem}$ = **0.803** N/mm²

***$v_{stem} < v_{c\_stem}$ - No shear reinforcement required***

**Check retaining wall deflection**

Basic span/effective depth ratio $ratio_{bas}$ = **7**

Design service stress $f_s = 2 \times f_y \times A_{s\_stem\_req} / (3 \times A_{s\_stem\_prov})$ = **121.4** N/mm²

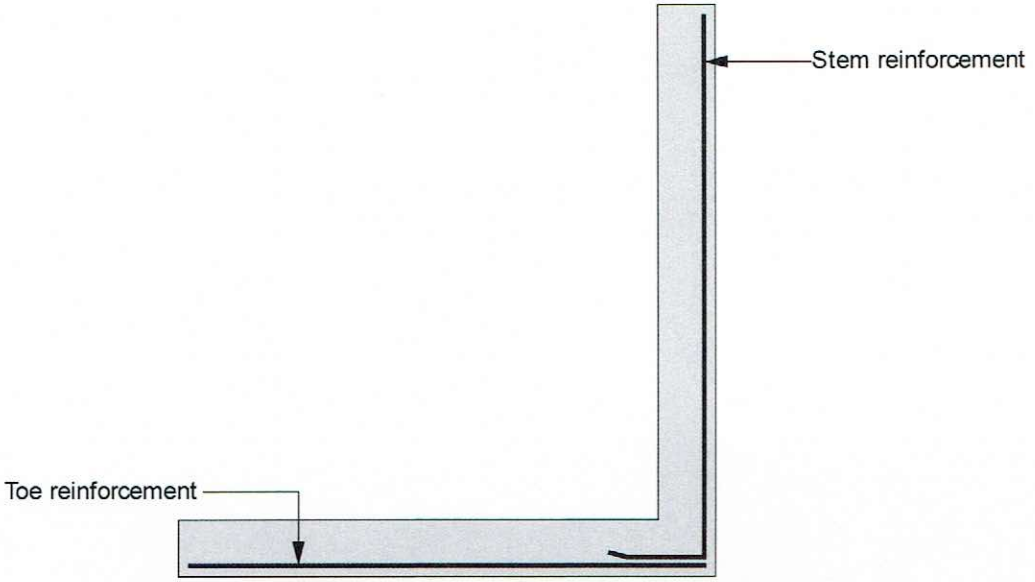
Modification factor $factor_{tens} = \min(0.55 + (477\ N/mm^2 - f_s)/(120 \times (0.9\ N/mm^2 + (M_{stem}/(b \times d_{stem}^2)))),2)$ = **1.89**

Maximum span/effective depth ratio $ratio_{max} = ratio_{bas} \times factor_{tens}$ = **13.22**

Actual span/effective depth ratio $ratio_{act} = h_{stem} / d_{stem}$ = **11.25**

***PASS - Span to depth ratio is acceptable***

**Indicative retaining wall reinforcement diagram**




Toe bars - 16 mm dia.@ 150 mm centres - (1340 $mm^2/m$)
Stem bars - 20 mm dia.@ 150 mm centres - (2094 $mm^2/m$)

| Project No. 1760 | Sheet | Revision | 25 MEADOWBANK |
|---|---|---|---|
| Date 22.10.2018 | Engineer KT | Checked | Project |

## GROUND FLOOR STEEL BEAM DESIGN:

$$w = 1.4\{[2.2m \times 0.2m \times 25kN/m^3] + [0.75kN/m^2 \times 2.2m]\} + 4 + \frac{11m \times 0.23m \times 19kN/m^3}{2} + 1.6[4(2.2m \times 1.5kN/m^2]$$

$$= 1.4[75] + 1.6[13.2] = 126.2kN/m$$

SPAN: 2.3m

$$R = \frac{wL}{2} = 145.2kN$$

$$M = \frac{wL^2}{8} = 84kNm$$

TRY 200×100×12.5 RHS

$$Z_{xx} = 408\ cm^3$$

$$I_{xx} = 3136\ cm^4$$

$$\sigma_A = \frac{M}{Z_{xx}} = \frac{84 \times 10^3}{408} = 206\ N/mm^2 < 355 \Rightarrow OK!$$

$$\delta = \frac{5wL^4}{384EI_{xx}} = \frac{5 \times 91 \times 2.3^4}{(384 \times 205 \times 3136) \times 10^{-2}} = 5.2mm$$

$$5.2m < L/360 = 6.3mm \Rightarrow OK!$$

# DESK STUDY AND BASEMENT IMPACT ASSESSMENT REPORT

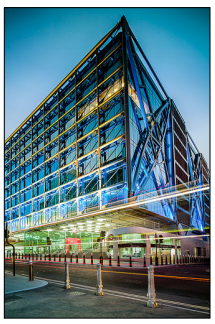
25 Meadowbank
London
NW3 3AY

Client: Constructure

J19141

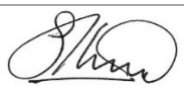
July 2019



GEA

## Document Control

| | | | |
|---|---|---|---|
| **Project title** | 25 Meadowbank, London NW3 3AY | **Project ref** | J19141 |
| **Report prepared by** |  | | |
| | Katie Mansion<br>Assistant Geotechnical Engineer | | |
| **Report checked and approved for issue by** |  | | |
| | Steve Branch BSc MSc CGeol FGS FRGS<br>Managing Director | | |

| Issue No | Status | Amendment Details | Date | Approved for Issue |
|---|---|---|---|---|
| 1 | Final | | 10 July 2019 |  |

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

| | | |
|---|---|---|
| ✓ | **Hertfordshire** | tel 01727 824666 |
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| | **Manchester** | tel 0161 209 3032 |

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## CONTENTS

# EXECUTIVE SUMMARY

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

## BRIEF

This report describes the findings of a desk study carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of Lucy Kelsey. The purpose of the work has been to determine the history of the site and to assess the potential for contamination with respect to the proposed extension of the existing lower ground floor lightwell beneath the yard at the rear of the property. The report also includes the screening and scoping elements of a Basement Impact Assessment (BIA) in accordance with London Borough of Camden guidance.

## DESK STUDY FINDINGS

The earliest map studied, dated 1851, shows the site and surrounding area to have been undeveloped at that time. By 1895, the site was occupied by part of what was presumably a house, fronting onto Primrose Hill Road to the south and bounded by Oppidans Mews to the northeast, which extended beyond the existing site boundaries. The surrounding road networks had been established and were lined with residential properties to the north, east and west, with the Primrose Hill parkland area to the south of the site. By 1963, the Hillview Tower Block had been constructed on the corner of Ainger Road and Primrose Hill Road, 30 m away at the closest point. In 1971, the properties on Meadowbank were demolished and replaced with terraced housing, with two properties built on each of the previous plots, increasing the number of houses on the row to 26. The map dated 1974 shows the site and surrounding area in their existing configuration.

## CONTAMINATION RISK ASSESSMENT

The site has been in residential use since 1895. There are no registered or historic landfill sites within 1 km and no licensed waste transfer, treatment or disposal sites within 250 m. There are no other controlled processes within 250 m. The nearest fuel station is 750 m north of the site. There is a single pollution incident to controlled waters 295 m east of the site, labelled a ‘minor incident’ involving an unknown oil pollutant.

## CONCLUSIONS

The Geological Survey map of the area (BGS sheet 256) indicates that the site is underlain by the London Clay Formation. The London Clay is designated as an unproductive aquifer, so contaminants are unlikely to travel through the strata. There are no sources of contamination on the site or in the surrounding area, so the contamination risk is LOW.

## BASEMENT IMPACT ASSESSMENT

It has been concluded that the majority of the impacts identified can be mitigated by appropriate design and standard construction practice, particularly with respect to the founding depth relative to the neighbours, and the stability of the highway. Groundwater monitoring should be undertaken following the fieldwork to determine the water level and determine if protection from groundwater inflows may be required in the basement excavation. Any inflows from within the London Clay would be expected to be at a very slow rate which could be suitably controlled by sump pumping.

The proposed works are not considered likely to have any detrimental effect on the local groundwater regime.

# 1.0 INTRODUCTION

Geotechnical and Environmental Associates Limited (GEA) has been commissioned by Constructure, on behalf of Lucy Kelsey, to carry out a desk study at 25 Meadowbank, London, NW3 3AY.

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

## 1.1 Proposed Development

Consideration is being given to the lateral extension of the existing lower ground floor level, to form a lightwell extension outside the existing building footprint.

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

## 1.2 Purpose of Work

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

- to 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 determine the risk of encountering unexploded ordnance (UXO);
- to check records of data on groundwater, surface water and other publicly available environmental data; and
- to use the information obtained in the above searches to carry out a qualitative risk assessment with respect to subsurface contamination.

## 1.3 Scope of Work

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

- a review of readily available geological maps;
- a review of publicly available environmental data sourced from Envirocheck;
- a review of historical Ordnance Survey (OS) maps available online and supplied by Envirocheck;
- commissioning and review of a Preliminary UXO Risk Assessment; and
- a review of the planning records for the site, and provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

The report includes a contaminated land assessment which has been undertaken in accordance with the methodology presented in Contaminated Land Report (CLR) 11 and involves identifying, making decisions on, and taking appropriate action to deal with, land contamination in a way that is consistent with government policies and legislation within the United Kingdom. The risk assessment is thus divided into three stages comprising Preliminary Risk Assessment, Generic Quantitative Risk Assessment, and Site-Specific Risk Assessment, with the first two stages presented in this report.

### 1.3.1 Basement Impact Assessment

The work carried out includes a Hydrological and Hydrogeological Assessment and Land Stability Assessment (also referred to as Slope Stability Assessment). These assessments form part of the BIA procedure specified in the London Borough of Camden (LBC) Planning Guidance CPG[1] and their Guidance for Subterranean Development[2] prepared by Arup (the "Arup report") in accordance with Policy A5 of the Camden Local Plan 2017. The aim of the work is to provide information on surface water, groundwater and land stability and in particular to assess whether the development will affect neighbouring properties or groundwater movements and whether any identified impacts can be appropriately mitigated by the design of the development.

## 1.4 Limitations

The conclusions and recommendations made in this report are limited to those that can be made on the basis of the research carried out. The results of the research should be viewed in the context of the work that has been carried out and no liability can be accepted for matters outside the stated scope of the research. Any comments made on the basis of information obtained from third parties are given in good faith on the assumption that the information is accurate. No independent validation of third-party information has been made by GEA.

# 2.0 THE SITE

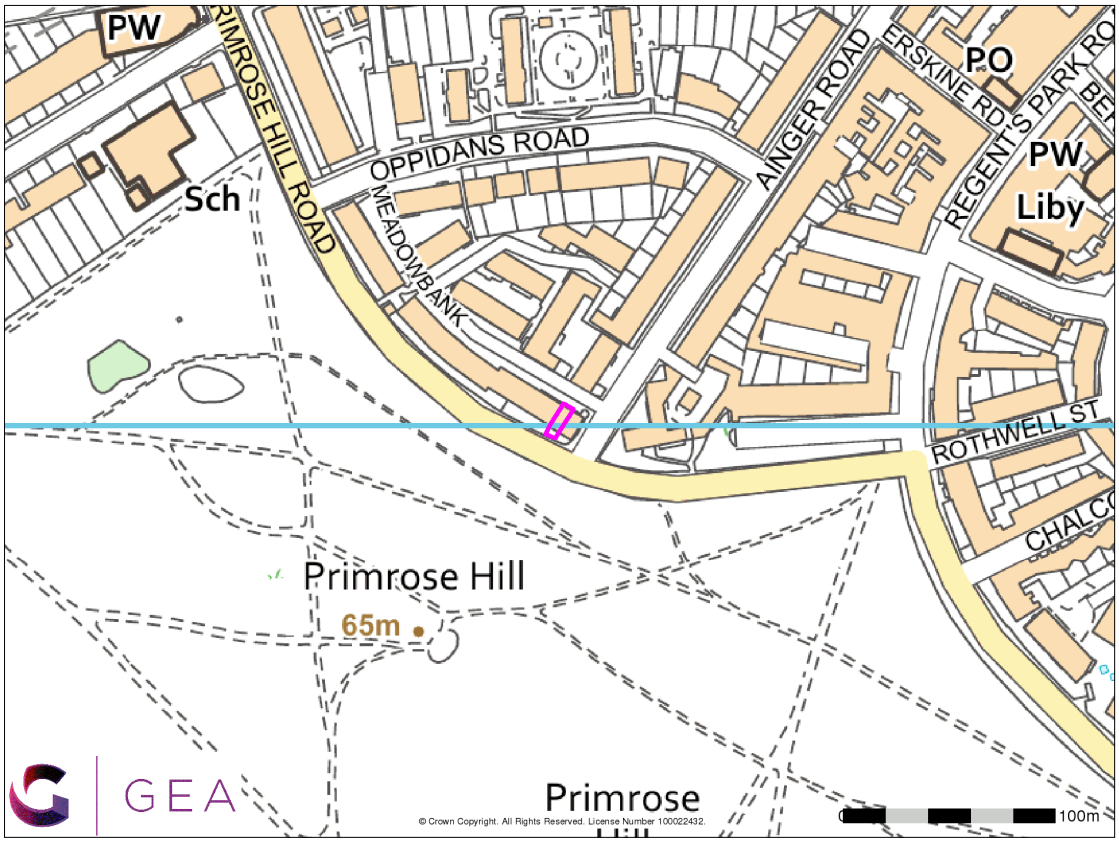
## 2.1 Site Description

The site is located within the London Borough of Camden, approximately 1.2 km west of Camden London Underground Station and 2.5 km north east of St John's Wood London Underground station. It is rectangular in shape, measuring approximately 5 m east to west by 14 m north to south and fronts onto Meadowbank to the northeast, and is bounded by Primrose Hill Road to the southwest.

The site is occupied by a five-storey house, including a lower ground floor, and is bounded by terraced properties to the northwest and southeast. The entire row of properties fronts onto Meadowbank.

The site may be additionally located by National Grid Reference 527700, 184000 and is shown on the map extract overleaf.

1 London Borough of Camden Planning Guidance CPG (March 2018) *Basements*
2 Ove Arup & Partners (2010) *Camden geological, hydrogeological and hydrological study. Guidance for Subterranean Development.* For London Borough of Camden November 2010




The site is occupied by a five-storey private house. There is hardstanding on the northern side of the property with a driveway leading to the basement garage, and a yard with hardstanding on the south side of the property.

## 2.2 Site History

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

The earliest map available, dated 1851, is a town plan that shows the site to be undeveloped at this time.

The earliest map showing buildings constructed on the site, dated 1895, shows that by this time the site was occupied by part of a house, fronting onto Primrose Hill Road to the south and bounded by Oppidans Mews to the northeast, which no longer exists, and was removed between 1968 and 1973. The residential property extended further beyond the existing site boundaries. The surrounding road networks had been established by this time and were lined with residential properties to the north, east and west.The land to the south of the site was Primrose Hill parkland, which remains the same today.

Between 1955 and 1963, the Hillview Tower Block was constructed, a residential site on the corner of Ainger Road and Primrose Hill Road, 30 m away at the closest point.

In 1971, each of the properties on Meadowbank were demolished and replaced with terraced housing, with two properties built on each of the previous plots, increasing the number of properties on the street to 26. This period of construction work occurred directly over and around the present day site.

The map dated 1974 is the earliest to show the site and surrounding area in the existing configuration. Oppidans Mews is no longer present, as it was built over and a new road put in as an offshoot of Meadowbank. However, the 1974 map does not give an indication of property boundaries. These were changed between 1968 and 1972 map (partial).

The site and surrounding area have remained essentially unchanged since 1974.

## 2.3 Other Information

A search of public registers and databases has been made via the Envirocheck database and relevant extracts from the search are appended. Full results of the search can be provided if required.

The Envirocheck report indicates that there are no registered or historic landfill sites within 1 km and no licensed waste transfer, treatment or disposal sites within 250 m. There are two sites of potentially infilled land within 1 km, both listed as infilled water. They are both located within ZLS London Zoo, 650 m and 685 m to the southeast. There are no controlled processes operating within 250 m of the site.

A dry cleaners that is the subject of a local pollution prevention and control permit is recorded 500 m to the northeast of the site and a second is listed 950 m northeast of the site. There are six contemporary trade directory entries within 500 m of the site, including a dry cleaners, stained glass producers, bottle manufacturers and suppliers, and aesthetics laboratories.

The nearest fuel station is 750 m northeast from the site.

A single pollution incident to controlled waters has been recorded within 500 m of the site, located 295 m east, a category 3 (minor incident), involving an unknown oil pollutant.

Reference to records compiled by the Health Protection Agency (formerly the National Radiological Protection Board) indicates that the site falls within an area where less than 1% of homes are affected by radon emissions and therefore radon protective measures will not be necessary.

There are no sink holes, natural or man-made cavities within 300 m of the site.

## 2.4 Unexploded Ordnance (UXO)

A Preliminary UXO Risk Assessment has been completed by 1st Line Defence (report ref EP8876-00, dated 30 May 2019) and is included in the appendix. The risk assessment has been carried out in accordance with the guidelines provided by CIRIA[3], which state that the likelihood of encountering and detonating Unexploded Ordnance (UXO) below a site should be assessed along with establishing the consequences that may arise. The first phase comprises a preliminary risk assessment, which should be undertaken at an early stage of the development planning. If such an assessment identifies an above average level of risk then a detailed risk assessment should be carried out by a UXO specialist, which will identify an appropriate course of action with regard to risk mitigation. It is estimated that 10 % of German high explosive bombs failed to explode as designed and this therefore represents a risk of encountering items of UXO during intrusive works.

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

The report indicates that during World War II, the Metropolitan borough of Hampstead (now London Borough of Camden) sustained a very high intensity bombing campaign, with an average of 166 items per 1,000 acres. The London Bomb Census does not record any bomb strikes directly on site, but there was one incident recorded southwest of the site on the edge of Primrose Hill park, and Incendiary Bombing was recorded immediately south of the site. There was also a V-1 strike recorded north of the site near Oppidans Road. The London County Council bomb damage map does not indicate any damaged structures within the site boundary. There was damage east of the site, east of Ainger road, where 'blast damage' and 'seriously damaged' were recorded. Imagery from 1946 indicate that the site did not sustain severe damage, as the structures have not altered significantly or show signs of damage. The site appears to have remained accessible due to the residential nature, and UXO events are unlikely to have gone unnoticed and unrecorded in such a frequently accessed area. The report concluded that there was a minimal / low risk of encountering UXO beneath the site and therefore no further action is required with respect to this work.

# 3.0 GROUND CONDITIONS

## 3.1 Soil Conditions

The Geological Survey map of the area (sheet 256) indicates that the site is underlain by the London Clay Formation. The site is very close to an area of "head propensity". The British Geological Survey (BGS) defines areas of head propensity as areas possibly covered by Quaternary head deposits, interpreted from digital slope analysis and confirmed by borehole data. However, they have not been verified by fieldwork.

The London Clay Formation is defined by the British Geological Formation as being part of the Thames Group, of Eocene to Palaeocene in age. It is clay, silty in part and the lower part of the strata is sandy. The nearest BGS borehole, 250 m east at National Grid Reference 527950, 184000 recorded the London Clay Formation beginning at a depth of 0.46 m and continuing until the base of the borehole at 43.59 m.

The London Clay was initially a firm brown mottled clay, which extended to a depth of 2.7 m. Following this, stiff brown fissured clay was observed. Below 24 m, the clay was noted to be stiff grey blue fissured silty clay until the maximum depth investigated of 43.5 m.

## 3.2 Groundwater Conditions

The London Clay Formation is classified by the Environment Agency as unproductive strata, which are defined as rock layers with low permeability that have negligible significance for the water supply or river base flow.

The nearest surface water feature is a canal 1 km to the southeast. Surface water flow would be expected to be in the northeast direction due to the surrounding topography.

Environment Agency mapping indicates that the site is not at high risk from flooding, but Primrose Hill Road immediately to the south of the site has a low risk (1000 year return) of flooding from surface water. The site is not within a designated flood zone.

# 4.0 SCREENING

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

## 4.1 Screening Assessment

A number of screening tools are included in the Arup document and for the purposes of this report reference has been made to Appendices E1, E2 and E3 which include a series of questions within screening flowcharts for surface flow and flooding, subterranean (groundwater) flow and land stability. The flowchart questions and responses to these questions are tabulated below.

### 4.1.1 Subterranean (groundwater) Screening Assessment

| Question | Response for 25 Meadowbank |
|---|---|
| 1a. Is the site located directly above an aquifer? | No. The site is directly underlain by the London Clay, which is classified as an unproductive stratum. |
| 1b. Will the proposed basement extend beneath the water table surface? | No. The London Clay cannot support a water table and is classified as an unproductive stratum. However, if an upper weathered layer is present, this may have a higher permeability and could have the potential to collect groundwater if the stratum has a predominantly granular matrix, which is unlikely in this setting. |
| 2. Is the site within 100 m of a watercourse, well (used/ disused) or potential spring line? | No. Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report confirm this. |
| 3. Is the site within the catchment of the pond chains on Hampstead Heath? | No. Figure 14 of the Arup report confirms that the site is not located within this catchment area. |
| 4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas? | *Yes. The area of hardstanding marked on the proposed plans will reduce after the works.* |
| 5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)? | No. It is not considered feasible that the ground would be sufficiently permeable to allow for a soakaway discharge design, nor do the details of the proposed development indicate the use of soakaway drainage. |
| 6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line? | No. Topographical maps acquired as part of the desk study and Figures 11 and 12 of the Arup report confirm this. |

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

Q4 The proposed plans will reduce the area of hardstanding in the yard.

### 4.1.2 Stability Screening Assessment

| Question | Response for 25 Meadowbank |
|---|---|
| 1. Does the existing site include slopes, natural or manmade, greater than 7°? | *Yes, Figure 16 of the Arup report indicates that the site is located on a slope of 7-10°, with the rear of the property approximately one storey higher than the front where it meets Meadowbank.* |
| 2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°? | No. The site is not to be significantly re-profiled as part of the development. |

| Question | Response for 25 Meadowbank |
|---|---|
| 3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°? | *Yes, Primrose Hill immediately to the south of the site has a hillside setting with a slope angle of 7-10° and >10°.* |
| 4. Is the site within a wider hillside setting in which the general slope is greater than 7°? | *Yes, immediately south of the site is the Primrose Hill area, which Figure 16 of the Arup report indicates has areas of slope angle 7-10° and >10°.* |
| 5. Is the London Clay the shallowest strata at the site? | *Yes. As indicated on the geological map and Figures 3, 5 and 8 of the Arup report* |
| 6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained? | No. There is a tree present on the southwest corner of the site, 50 cm to 1 m away from the edge of the hardstanding. The council does not have a Tree Preservation Order on the site. |
| 7. Is there a history of seasonal shrink-swell subsidence in the local area and / or evidence of such effects at the site? | *Yes. The area is prone to these effects as a result of the presence of shrinkable London Clay.* |
| 8. Is the site within 100 m of a watercourse or potential spring line? | No. Not according to Figure 12 of the Arup report, extracts from the Envirocheck report and Ordnance Survey maps. |
| 9. Is the site within an area of previously worked ground? | No. Not according to Figure 3 of the Arup report. |
| 10a. Is the site within an aquifer? | No. The site is located above an unproductive stratum. |
| 10b. Will the proposed basement extend beneath the water table such that dewatering may be required during construction? | No. The London Clay cannot support a water table and is classified as an unproductive stratum. |
| 11. Is the site within 50 m of Hampstead Heath ponds? | No. Figure 14 of the Arup report confirms that the site is not located within this catchment area. |
| 12. Is the site within 5 m of a highway or pedestrian right of way? | *Yes, the site fronts onto Meadowbank, and backs onto Primrose Hill Road.* |
| 13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties? | No. The proposal is to laterally extend the lower ground floor level. |
| 14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines? | No. Not according to Figure 18 of the Arup report and information provided by London Underground. |

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

Q1 The site is an area with a slope angle greater than 7°.
Q3 The development neighbours land with a slope angle greater than 7°.
Q4 The site is located within a wider hillside setting with a slope angle greater than 7°.
Q5 The London Clay is the shallow stratum on the site.
Q7 The site is in an area likely to be affected by seasonal shrink-swell.
Q12 The site is within 5 m of Meadowbank and Primrose Hill Road.

### 4.1.3 Surface Flow and Flooding Screening Assessment

| Question | Response for 25 Meadowbank |
|---|---|
| 1. Is the site within the catchment of the pond chains on Hampstead Heath? | No. Figure 14 of Arup report confirms that the site is not located within this catchment area. |
| 2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route? | No. There will not be an increase in impermeable area across the ground surface above the basement, so the surface water flow regime will be unchanged.<br>The basement extension is beneath the existing yard, which aerial photography indicates to be hard-surfaced. |

| Question | Response for 25 Meadowbank |
|---|---|
| 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 inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses? | No. The location of the hardstanding will change, but the cumulative area will not increase across the ground surface above the basement, so the surface water flow regime will be unchanged.<br>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 in para 2.16 of the CPG (Basements and Lightwells) 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 a nearby surface water feature? | No. The findings of this BIA together with the Camden Flood Risk Management Strategy dated 2013 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. The adjacent surface water flood risk is classified as low (1000 year return). |

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

# 5.0 SCOPING

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

## 5.1 Potential Impacts

The following potential impacts have been identified by the screening process

| Potential Impact | Potential Consequence |
|---|---|
| London Clay is the shallowest stratum at the site. | The London Clay is prone to seasonal shrink-swell (subsidence and heave). |
| The site and wider hillside setting have a slope angle of over 7°. | Excavation and / or loading into or onto slopes can lead to slope movements that could lead to structural damage. |
| Seasonal shrink-swell can result in foundation movements. | Multiple potential impacts depending on the specific setting of the basement development. For example, in terraced properties, the implications of a deepened basement/foundation system on neighbouring properties should be considered. |
| The site is located within 5 m of a highway or pedestrian right of way | Excavation of a basement may result in structural damage to the road or footway. |

## 6.0 BASEMENT IMPACT ASSESSMENT

The screening and scoping identified a number of potential impacts. The desk study information has been used below to review the potential impacts, to assess the likelihood of them occurring and the scope for reasonable engineering mitigation

*London Clay is the shallowest stratum*

London Clay is a high plasticity clay, which means that changes in moisture content can lead to changes in volume – shrinkage and / or swelling – that can result in structural damage. However, at this site, the foundations are already at lower ground floor level and it is therefore likely that they are at or below the depth to which tree root effects are likely to extend. This will need to be checked by reference to published guidance on the basis of the closest trees and their species, but is not considered to be of any significant concern.

*The site and wider hillside setting have a slope angle of over 7°.*

The site is towards the upper part of a general slope, such that the small amount of additional excavation that is proposed will not have the effect of reducing the overall stability of the slope.

*There is a history of seasonal shrink-swell subsidence in the local area*

As noted above – the foundations should be below the depth that will be affected.

*The site is located within 5 m of a public highway*

There is nothing unusual about the proposed single level basement such that it would fall outside the scope of standard engineering practice and design. Provided that the design of the retaining walls takes into account any loading from the adjacent highway and the construction work is carried out in accordance with best practice, resulting ground movements should be within normal tolerable limits.

It would be recommended that a trial pitting exercise is carried out to confirm the configuration of the foundations to inform the final design and it is likely that a programme of monitoring will be required during the groundwork to monitor ground movements associated with the underpinning and excavation, as part of party wall agreements. It is anticipated that these matters can be dealt with by way of conditions on the planning consent.

# 7.0 RISK ASSESSMENT

Consideration is given to the extension of the lower ground floor lightwell.

## 7.1 Environmental Risks

Part IIA of the Environmental Protection Act 1990, which was inserted into that Act by Section 57 of the Environment Act 1995, provides the main regulatory regime for the identification and remediation of contaminated land. As part of the 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 managing 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.

A risk assessment should be carried out for consideration by the Local Planning Authority (LPA) before the planning application is determined. Where unacceptable risks are identified proposals will need to be made to address these risks as part of the development process. The guidance recognises the benefits of a phased approach and the desk study is the first phase in the process of investigating and identifying contamination to assist in the determination of a planning application.

### 7.1.1 Source

The desk study has indicated that there the site does not have a contaminative history, as it has only had a residential usage.

### 7.1.2 Receptor

The use of the site for residential purposes could result in exposure to the soil and therefore has high sensitivity end-use. However, the site is already a residential property, so this represents a continuation of the existing use. Buried services are likely to come into contact with any contaminants present within the soils through which they pass and site workers are likely to come into contact with any contaminants present in the soils during construction works. Being underlain by unproductive London Clay, groundwater is not considered to be a sensitive receptor.

### 7.1.3 Pathway

As the site is underlain by unproductive strata, there is not considered to be a pathway to deeper groundwater in the underlying chalk aquifer. There could be a pathway for perched groundwater flow through any shallow made ground deposits. End users will come into contact with soils within the garden, although such pathways are already in existence. Notwithstanding the risk to site workers and buried services, there is considered to be a low potential for a significant contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

### 7.1.4 Preliminary Risk Appraisal

In accordance with the guidelines provided by CIRIA[4], the following table summarises possible pollution linkages for the site.

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

| SOURCE | RECEPTOR | PATHWAY | PROBABILITY | CONSEQUENCE |
|---|---|---|---|---|
| Inorganic and organic contamination within near surface soils resulting from past activities on site | End users | Ingestion of contaminated soil or dust, through skin contact or inhalation | Unlikely | Medium |
| | | Vapours | Unlikely | Mild |
| | Groundwater | Surface run off | Unlikely | Medium |
| | Adjacent sites | Shallow perched water or drain runs | Unlikely | Mild |
| | Site workers | Direct contact | Unlikely | Mild |
| | Buried plastic services | Direct contact | Unlikely | Minor |

This method of risk evaluation involves classification of the magnitude of the potential consequence (severity) and probability (likelihood) of the risk. The method by which these factors are classified is detailed in the Appendix. On the basis of the consequence and probability the site can be attributed a level of risk, ranging from very low to very high and the procedure for making this assessment is shown in the Appendix, together with a description of each level of assessed risk and the actions that may be required to mitigate the risk.

On the basis of this qualitative rating system, the site has been assessed as having a low risk of contamination.

## 8.0 CONCLUSIONS

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

The BIA has indicated that the relatively minor lateral extension of the existing lower ground floor level should not have any impact. A limited ground investigation would be prudent prior to commencement, but it is anticipated that it should be possible to make this a condition of planning in view of the small scale of the proposal.

## APPENDIX

Envirocheck Report

Historical Maps

Risk Assessment Description

Risk Assessment Classification

Preliminary UXO Risk Assessment

Site Plan

# Envirocheck® Report:

## Datasheet

### Order Details:

**Order Number:**
204573665_1_1

**Customer Reference:**
J19141

**National Grid Reference:**
527700, 184000

**Slice:**
A

**Site Area (Ha):**
0.01

**Search Buffer (m):**
1000

### Site Details:

25 Meadowbank
London
NW3 3AY

### Client Details:

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

GEA

# Contents



**Introduction**

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.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**Report Version v53.0**

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Agency & Hydrological** | | | | | |
| BGS Groundwater Flooding Susceptibility | | | | | n/a |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 1 | | | 1 | 3 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | | | | | |
| Integrated Pollution Prevention And Control | | | | | |
| Local Authority Integrated Pollution Prevention And Control | | | | | |
| Local Authority Pollution Prevention and Controls | pg 1 | | | 2 | 9 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 3 | | | Yes | |
| Pollution Incidents to Controlled Waters | pg 3 | | | 1 | 2 |
| Prosecutions Relating to Authorised Processes | pg 4 | | | | 1 |
| Registered Radioactive Substances | pg 4 | | | | 7 |
| River Quality | pg 5 | | | | 1 |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | | | | | |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 5 | | | 3 | 9 (*18) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 13 | Yes | n/a | n/a | n/a |
| Groundwater Vulnerability - Soluble Rock Risk | | | n/a | n/a | n/a |
| Groundwater Vulnerability - Local Information | | | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 13 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | | | n/a | n/a | n/a |
| Source Protection Zones | pg 13 | 1 | 1 | | |
| Extreme Flooding from Rivers or Sea without Defences | | | | n/a | n/a |
| Flooding from Rivers or Sea without Defences | | | | n/a | n/a |
| Areas Benefiting from Flood Defences | | | | n/a | n/a |
| Flood Water Storage Areas | | | | n/a | n/a |
| Flood Defences | | | | n/a | n/a |
| OS Water Network Lines | pg 13 | | | 1 | 3 |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Waste** | | | | | |
| BGS Recorded Landfill Sites | | | | | |
| Historical Landfill Sites | | | | | |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | pg 15 | | | | 2 |
| Local Authority Landfill Coverage | | 1 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | | | | | |
| Potentially Infilled Land (Non-Water) | | | | | |
| Potentially Infilled Land (Water) | pg 15 | | | | 6 |
| Registered Landfill Sites | | | | | |
| Registered Waste Transfer Sites | pg 16 | | | | 2 |
| Registered Waste Treatment or Disposal Sites | pg 16 | | | | 1 |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 17 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | | | | | |
| BGS Recorded Mineral Sites | | | | | |
| BGS Urban Soil Chemistry | pg 17 | | Yes | Yes | Yes |
| BGS Urban Soil Chemistry Averages | pg 20 | Yes | | | |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | | | n/a | n/a | n/a |
| Mining Instability | | | n/a | n/a | n/a |
| Man-Made Mining Cavities | | | | | |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | | | | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 20 | 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 20 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 20 | Yes | | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 20 | 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 22 | | 19 | 18 | 111 |
| Fuel Station Entries | pg 34 | | | | 4 |
| Points of Interest - Commercial Services | pg 34 | | | 3 | 33 |
| Points of Interest - Education and Health | | | | | |
| Points of Interest - Manufacturing and Production | pg 37 | | | 12 | 15 |
| Points of Interest - Public Infrastructure | pg 40 | | | | 7 |
| Points of Interest - Recreational and Environmental | pg 40 | | 1 | 2 | 37 |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | pg 43 | | 14 | 20 | 47 |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Sensitive Land Use** | | | | | |
| Ancient Woodland | | | | | |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | pg 52 | | | 1 | |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | | | | | |
| National Parks | | | | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | | | | | |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | | | | | |
| Special Areas of Conservation | | | | | |
| Special Protection Areas | | | | | |
| World Heritage Sites | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **Discharge Consents**<br>Operator: Thames Water Utilities Ltd<br>Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY<br>Location: Barrow Hill<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Temp.0018<br>Permit Version: 1<br>Effective Date: 15th September 1989<br>Issued Date: 15th September 1989<br>Revocation Date: 5th October 2000<br>Discharge Type: Trade Effluent<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Thames<br>**Status: Authorisation revoked**<br>Positional Accuracy: Located by supplier to within 100m | A8NW (S) | 408 | 2 | 527600 183600 |
| 2 | **Discharge Consents**<br>Operator: National Grid Company Plc.<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Fitzroy Bridge Outlet, Primrosehill, Camden, London<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CTMR.0387<br>Permit Version: 1<br>Effective Date: 28th March 1980<br>Issued Date: 28th March 1980<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Canal<br>Receiving Water: Grand Unioncanal<br>**Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (E) | 655 | 2 | 528360 183920 |
| 3 | **Discharge Consents**<br>Operator: The Jim Henson Studio<br>Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA<br>Location: 30 Oval Road, Camden Town, London, Nw1 7de<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CATM.2853<br>Permit Version: 1<br>Effective Date: 1st April 1997<br>Issued Date: 1st April 1997<br>Revocation Date: 30th September 2005<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Canal<br>Receiving Water: Guc - Paddington Arm<br>**Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 890 | 2 | 528600 184050 |
| 3 | **Discharge Consents**<br>Operator: Rushes Motion Control<br>Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA<br>Location: 30 Oval Road, Camden Town, London, Nw1 7de<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: Cntm.1566<br>Permit Version: 1<br>Effective Date: 1st September 1994<br>Issued Date: 1st September 1994<br>Revocation Date: 1st October 1996<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Guc - Paddington Arm<br>**Status: Lapsed (under Environment Act 1995, Schedule 23)**<br>Positional Accuracy: Located by supplier to within 100m | A14NE (E) | 890 | 2 | 528600 184050 |
| 4 | **Local Authority Pollution Prevention and Controls**<br>Name: Primrose Valet<br>Location: 91 Regent'S Park Road, London, Nw1 8ur<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC53<br>Dated: 28th January 2009<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A13NE (NE) | 254 | 3 | 527917 184155 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 5 | **Local Authority Pollution Prevention and Controls**<br>Name: Lex Volvo<br>Location: 1 Dumpton Place, Gloucester Avenue, Chalk Farm, LONDON, NW1 8JB<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: Not Given<br>Dated: 7th January 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/34 Respraying of road vehicles<br>**Status:** **Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A14NW (E) | 473 | 3 | 528165 184138 |
| 6 | **Local Authority Pollution Prevention and Controls**<br>Name: London Zoo<br>Location: Regents Park, LONDON, NW1 4RY<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: Not Given<br>Dated: 1st November 1992<br>Process Type: Local Authority Air Pollution Control<br>Description: PG5/1Clinical waste incineration processes under 1 tonne an hour<br>**Status:** **Authorisation has expired**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 603 | 4 | 528016 183480 |
| 7 | **Local Authority Pollution Prevention and Controls**<br>Name: Chequers Textile Care Ltd<br>Location: 48 Englands Lane, London, Nw3 4ue<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC47<br>Dated: 5th December 2006<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status:** **Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A18SW (N) | 607 | 3 | 527498 184580 |
| 8 | **Local Authority Pollution Prevention and Controls**<br>Name: Texaco<br>Location: 81-85 Chalk Farm Road, LONDON, NW1 8AR<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: NOT GIVEN<br>Dated: 24th December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status:** **Site Closed**<br>Positional Accuracy: Manually positioned to the address or location | A19SW (NE) | 672 | 3 | 528269 184381 |
| 9 | **Local Authority Pollution Prevention and Controls**<br>Name: The Dry Cleaners Of Hampstead<br>Location: 80 Haverstock Hill, London, Nw3 2be<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC41<br>Dated: 25th June 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status:** **Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A18NE (N) | 695 | 3 | 527875 184684 |
| 10 | **Local Authority Pollution Prevention and Controls**<br>Name: Wm Morrisons Supermarkets Plc<br>Location: Chalk Farm Road, London, Nw1 8aa<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC/DC1<br>Dated: 26th January 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status:** **Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 741 | 3 | 528439 184146 |
| 10 | **Local Authority Pollution Prevention and Controls**<br>Name: Wm Morrisons Supermarkets Plc<br>Location: Chalk Farm Road, LONDON, NW1 8AA<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC19<br>Dated: 22nd December 1998<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br>**Status:** **Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 741 | 3 | 528439 184146 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 11 | **Local Authority Pollution Prevention and Controls**<br>Name: St John'S Wood Dry Cleaners<br>Location: 47 Charlbert Street, London, NW8 6JN<br>Authority: Westminster City Council, Environmental Health Department<br>Permit Reference: 09/53345/EE1EP<br>Dated: 10th November 2009<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A7SE (SW) | 888 | 4 | 527114 183327 |
| 12 | **Local Authority Pollution Prevention and Controls**<br>Name: Esso<br>Location: 29 Chalk Farm Road, LONDON, NW1 8AG<br>Authority: London Borough of Camden, Pollution Projects Team<br>Permit Reference: PPC15<br>Dated: 24th December 1998<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 902 | 3 | 528567 184291 |
| 13 | **Local Authority Pollution Prevention and Controls**<br>Name: Kings Dry Cleaners<br>Location: 25 Winchester Road, London, E4<br>Authority: London Borough of Waltham Forest, Environmental Health Department<br>Permit Reference: DC05<br>Dated: 6th July 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 940 | 5 | 526812 184310 |
| | **Nearest Surface Water Feature** | A13SE (SE) | 278 | - | 527960 183886 |
| 14 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Hampstead Road Lock, CAMDEN TOWN<br>Authority: Environment Agency, Thames Region<br>Pollutant: Oils - Unknown<br>Note: Not Supplied<br>Incident Date: 17th December 1998<br>Incident Reference: THNE1998041401<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A13SE (E) | 290 | 2 | 528000 184000 |
| 15 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Prince Albert Road<br>Authority: Environment Agency, Thames Region<br>Pollutant: Not Given<br>Note: Confirmed incident<br>Incident Date: 4th April 1999<br>Incident Reference: THNE1999043097<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Approximate location provided by supplier | A14SW (SE) | 665 | 2 | 528300 183700 |
| 16 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: LONDON, NW8<br>Authority: Environment Agency, Thames Region<br>Pollutant: Miscellaneous - Natural<br>Note: Not Supplied<br>Incident Date: 10th September 1996<br>Incident Reference: SE960481<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 890 | 2 | 527300 183200 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 17 | **Prosecutions Relating to Authorised Processes**<br>Location: Regents Park Road, London, Nw1<br>Prosecution Text: Failure to comply with packaging waste regulations<br>Prosecution Act: Pro97<br>Hearing Date: 6th September 2007<br>Verdict: Guilty<br>Fine: 85000<br>Costs: 8836<br>Positional Accuracy: Manually positioned to the road within the address or location | A14SW (SE) | 540 | 2 | 528192 183763 |
| 18 | **Registered Radioactive Substances**<br>Name: Institute Of Zoology<br>Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AQ9405<br>Dated: 30th August 1995<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Unknown | A8NE (SE) | 598 | 2 | 528016 183485 |
| 18 | **Registered Radioactive Substances**<br>Name: Institute Of Zoology<br>Location: Regents Park, London, NW1 4RY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: Bw7007<br>Dated: 1st December 2003<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Application has been authorised and any conditions apply to the operator**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 600 | 2 | 528011 183480 |
| 18 | **Registered Radioactive Substances**<br>Name: Institute Of Zoology<br>Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AC7596<br>Dated: 31st March 1991<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Unknown | A8NE (SE) | 600 | 2 | 528011 183480 |
| 18 | **Registered Radioactive Substances**<br>Name: Institute Of Zoology<br>Location: Zoological Society Of London, Regents Park, LONDON, Greater London, NW1 4RY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AC7588<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variation**<br>Positional Accuracy: Unknown | A8NE (SE) | 604 | 2 | 528011 183475 |
| 18 | **Registered Radioactive Substances**<br>Name: Institute Of Zoology<br>Location: London Zoo, Regents Park, LONDON, Greater London, NW1 4RY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AS7515<br>Dated: 21st December 1995<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Application has been authorised and any conditions apply to the operator**<br>Positional Accuracy: Unknown | A8NE (SE) | 607 | 2 | 528016 183475 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 19 | **Registered Radioactive Substances**<br>Name: Omnilabs (Uk) Ltd<br>Location: Bewlay House, 32 Jamestown Road, LONDON, Greater London, NW1 7BY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: AE8755<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation either revoked or cancelled**<br>Positional Accuracy: Unknown | A14NE (E) | 932 | 2 | 528642 184022 |
| 19 | **Registered Radioactive Substances**<br>Name: Unilabs Clinical Pathology<br>Location: Bewlay House, 32 Jamestown Road, LONDON, Greater London, NW1 7BY<br>Authority: Environment Agency, Thames Region<br>Permit Reference: BC2742<br>Dated: 21st October 1998<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Application made in error**<br>Positional Accuracy: Unknown | A14NE (E) | 960 | 2 | 528671 184018 |
| | **River Quality**<br>Name: Guc (Paddington Arm)<br>GQA Grade: River Quality E<br>Reach: Canal Feeder - Camden Road<br>Estimated Distance (km): 10.5<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A8NE (S) | 521 | 2 | 527904 183514 |
| 20 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: Th/039/0039/058<br>Permit Version: 1<br>Location: Borehole At Barrow Hill<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13SW (S) | 305 | 2 | 527636 183697 |
| 20 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: 28/39/39/0231<br>Permit Version: 1<br>Location: Barrow Hill Pumping Station - Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Barrow Hill Pumping Station<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13SW (S) | 311 | 2 | 527640 183690 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 20 | **Water Abstractions**<br>Operator: Thames Water Utilities Ltd<br>Licence Number: 28/39/39/0202<br>Permit Version: 1<br>Location: Barrow Hill Pumping Station - Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Barrow Hill Pumping Station<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 26th September 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13SW (S) | 311 | 2 | 527640 183690 |
| 21 | **Water Abstractions**<br>Operator: Zoological Society Of London<br>Licence Number: 28/39/39/0035<br>Permit Version: 100<br>Location: Borehole At Regent'S Park, London Nw1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 59<br>Yearly Rate (m3): 681<br>Details: Regent'S Park, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 4th April 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A8NE (SE) | 665 | 2 | 528000 183400 |
| 22 | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0173<br>Permit Version: 100<br>Location: Oval Road, Camden - Grand Union Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 20<br>Yearly Rate (m3): 7000<br>Details: Land At Oval Road, Camden, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 8th December 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 780 | 2 | 528490 184020 |
| 22 | **Water Abstractions**<br>Operator: British Waterways<br>Licence Number: 28/39/39/0164B<br>Permit Version: Not Supplied<br>Location: Southampton Bridge, LONDON, Nw8<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial Cooling (Cegb)<br>Abstraction Type: Not Supplied<br>Source: River<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes.<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A14SE (E) | 789 | 2 | 528500 184000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 22 | **Water Abstractions**<br>Operator: Canal And River Trust<br>Licence Number: 28/39/39/0164<br>Permit Version: 101<br>Location: Southampton Bridge, London, Nw8 - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th December 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 790 | 2 | 528500 184020 |
| 22 | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0164<br>Permit Version: 100<br>Location: Southampton Bridge, London, Nw8 - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th April 1983<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 790 | 2 | 528500 184020 |
| 23 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0219<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London.<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 942 | 2 | 526800 184280 |
| 24 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 984 | 2 | 526750 184261 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 24 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: General Washing/Process Washing<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 984 | 2 | 526750 184261 |
| 24 | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: Th/039/0039/087<br>Permit Version: 1<br>Location: Swiss Cottage Open Space- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Municipal Grounds: Lake And Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Swiss Cottage Open Space, Winchester Road, London<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12NW (W) | 984 | 2 | 526750 184261 |
| | **Water Abstractions**<br>Operator: Greenwich Leisure Limited<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Kentish Town Sports Centre, Prince Of Wales Road, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A20NW (NE) | 1291 | 2 | 528800 184700 |
| | **Water Abstractions**<br>Operator: Greenwich Leisure Limited<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A20NW (NE) | 1291 | 2 | 528800 184700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Greenwich Leisure Ltd<br>Licence Number: 28/39/39/0091<br>Permit Version: 101<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 5th April 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A20NW (NE) | 1291 | 2 | 528800 184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 605<br>Yearly Rate (m3): 76509<br>Details: Kentish Town Sports Centre, Prince Of Wales Road, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A20NW (NE) | 1291 | 2 | 528800 184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A20NW (NE) | 1291 | 2 | 528800 184700 |
| | **Water Abstractions**<br>Operator: London Borough Of Camden<br>Licence Number: 28/39/39/0091<br>Permit Version: 100<br>Location: Two Bores At Kentish Town Sports Centre, Prince Of Wales St<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: St. Pancras Public Baths, Prince Of Wales Road, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th June 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A20NW (NE) | 1291 | 2 | 528800 184700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Water Abstractions**<br>Operator: Marylebone Cricket Club<br>Licence Number: Th/039/0039/116<br>Permit Version: 1<br>Location: Lords Cricket Ground, London.<br>Authority: Environment Agency, Thames Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 17th May 2017<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2NW (SW) | 1378 | 2 | 526902 182872 |
| | **Water Abstractions**<br>Operator: Abbey Lodge Rtm Company Limited<br>Licence Number: 28/39/39/0115<br>Permit Version: 101<br>Location: Abbey Lodge, Park Road, London Nw8-Two Boreholes<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Abbey Lodge, Park Road, London Nw8<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st June 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A3SW (S) | 1403 | 2 | 527420 182620 |
| | **Water Abstractions**<br>Operator: Wood Management Trustees Ltd<br>Licence Number: 28/39/39/0115<br>Permit Version: 100<br>Location: Two Boreholes At Abbey Lodge, Park Road, London Nw8<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 100<br>Yearly Rate (m3): 28640<br>Details: Abbey Lodge, Park Road, London Nw8<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 28th November 1991<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A3SW (S) | 1403 | 2 | 527420 182620 |
| | **Water Abstractions**<br>Operator: Canal And River Trust<br>Licence Number: 28/39/39/0164<br>Permit Version: 101<br>Location: St John'S Wood, London - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th December 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2SE (SW) | 1667 | 2 | 527050 182460 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 28/39/39/0164<br>Permit Version: 100<br>Location: St John'S Wood, London - Regents Canal<br>Authority: Environment Agency, Thames Region<br>Abstraction: Amenity: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 3840<br>Yearly Rate (m3): 1<br>Details: Pipeline Alongside The Regents Canal, London<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th April 1983<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A2SE (SW) | 1667 | 2 | 527050 182460 |
| | **Water Abstractions**<br>Operator: British Waterways<br>Licence Number: 28/39/39/0164A<br>Permit Version: Not Supplied<br>Location: St Johns Wood, LONDON, Nw1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Industrial Cooling (Cegb)<br>Abstraction Type: Not Supplied<br>Source: River<br>Daily Rate (m3): 1920<br>Yearly Rate (m3): 1<br>Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes.<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A2SW (SW) | 1742 | 2 | 527000 182400 |
| | **Water Abstractions**<br>Operator: Abbey National Plc<br>Licence Number: 28/39/39/0070<br>Permit Version: 101<br>Location: Borehole At Abbey House, Baker Street, London Nw1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 91<br>Yearly Rate (m3): 2273<br>Details: Abbey House, Baker Street, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 2nd May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (S) | 1897 | 2 | 527800 182100 |
| | **Water Abstractions**<br>Operator: Baskerville Estates (Gp) Limited<br>Licence Number: 28/39/39/0070<br>Permit Version: 102<br>Location: Abbey House, Baker Street- Borehole<br>Authority: Environment Agency, Thames Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Abbey House, Baker Street, London Nw1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 19th December 2003<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (S) | 1900 | 2 | 527850 182100 |

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| | **Water Abstractions**<br>Operator: Sir Ritblat<br>Licence Number: Th/039/0039/022<br>Permit Version: 1<br>Location: Doric Villa, York Terrace East, London<br>Authority: Environment Agency, Thames Region<br>Abstraction: Production of Energy: Electricity: Heat Pump<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 26th February 2010<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (S) | 1907 | 2 | 528407<br>182223 |
| | **Water Abstractions**<br>Operator: Dorset House Residential Limited<br>Licence Number: 28/39/39/0021<br>Permit Version: 103<br>Location: Dorset House, London- 2 Boreholes<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Dorset House, Gloucester Place, London W1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 20th November 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (S) | 1997 | 2 | 527800<br>182000 |
| | **Water Abstractions**<br>Operator: Bellnorth Limited<br>Licence Number: 28/39/39/0021<br>Permit Version: 102<br>Location: Dorset House, London- 2 Boreholes<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Dorset House, Gloucester Place, London W1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 8th August 2005<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (S) | 1997 | 2 | 527800<br>182000 |
| | **Water Abstractions**<br>Operator: Bellnorth Limited<br>Licence Number: 28/39/39/0021<br>Permit Version: 101<br>Location: Two Boreholes At Dorset House, Gloucester Place, London. W1<br>Authority: Environment Agency, Thames Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 318<br>Yearly Rate (m3): 56370<br>Details: Dorset House, Gloucester Place, London W1<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (S) | 1997 | 2 | 527800<br>182000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Groundwater Vulnerability Map**<br>Combined Classification: Unproductive Aquifer (may have productive aquifer beneath)<br>Combined Vulnerability: Unproductive<br>Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Mixed<br>Dilution: 300-550 mm/year<br>Baseflow Index: 40-70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: <3m<br>Superficial Recharge: No Data | A13SW (NW) | 0 | 6 | 527704 184002 |
| | **Groundwater Vulnerability Map**<br>Combined Classification: Unproductive Aquifer (may have productive aquifer beneath)<br>Combined Vulnerability: Unproductive<br>Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Mixed<br>Dilution: 300-550 mm/year<br>Baseflow Index: 40-70%<br>Superficial Patchiness: <90%<br>Superficial Thickness: <3m<br>Superficial Recharge: No Data | A13SW (S) | 0 | 6 | 527704 184000 |
| | **Groundwater Vulnerability - Soluble Rock Risk**<br>None | | | | |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Unproductive Strata | A13SW (NW) | 0 | 6 | 527704 184002 |
| | **Superficial Aquifer Designations**<br>No Data Available | | | | |
| 25 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater. | A13SW (NW) | 0 | 2 | 527704 184002 |
| 26 | **Source Protection Zones**<br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source. | A13SW (SW) | 58 | 2 | 527676 183942 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |
| 27 | **OS Water Network Lines**<br>Watercourse Form: Canal<br>Watercourse Length: 2244.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Grand Union Canal<br>Catchment Name: Trent<br>Primacy: 1 | A8NE (SE) | 494 | 7 | 527902 183543 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 28 | **OS Water Network Lines**<br>Watercourse Form: Inland river<br>Watercourse Length: 5204.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: The Fountains<br>Catchment Name: Thames<br>Primacy: 1 | A12NE (W) | 529 | 7 | 527169 184021 |
| 29 | **OS Water Network Lines**<br>Watercourse Form: Canal<br>Watercourse Length: 35.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Thames<br>Primacy: 1 | A14NE (E) | 939 | 7 | 528644 184104 |
| 30 | **OS Water Network Lines**<br>Watercourse Form: Canal<br>Watercourse Length: 135.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Grand Union Canal<br>Catchment Name: Trent<br>Primacy: 1 | A14NE (E) | 958 | 7 | 528666 184081 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 31 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 401853<br>Location: Regents Park Office, The Store Yard, Inner Circle, Regents Park, London, NW1 4NR<br>Operator Name: The Royal Parks<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Thames Region, North East Area<br>Site Category: Composting<br>**Licence Status: Issued**<br>Issued: 24th February 2015<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S) | 886 | 2 | 527538 183124 |
| 32 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 80482<br>Location: 28 Jamestown Road, London, NW1 7BY<br>Operator Name: Camden London Borough Council<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Thames Region, North East Area<br>Site Category: Household Waste Amenity Sites<br>**Licence Status: Surrendered**<br>Issued: 15th October 1994<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 25th July 1997<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 957 | 2 | 528667 184035 |
| | **Local Authority Landfill Coverage**<br>Name: London Borough of Camden<br>- Has no landfill data to supply | | 0 | 8 | 527704 184002 |
| | **Local Authority Landfill Coverage**<br>Name: Westminster City Council<br>- Has supplied landfill data | | 348 | 4 | 527681 183647 |
| 33 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A9NW (SE) | 648 | 10 | 528126 183504 |
| 34 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A9NW (SE) | 687 | 10 | 528200 183522 |
| 35 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A9NW (SE) | 713 | 10 | 528334 183663 |
| 36 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A14NE (E) | 894 | 10 | 528604 184029 |
| 37 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A14NE (E) | 916 | 10 | 528626 184037 |
| 38 | **Potentially Infilled Land (Water)**<br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1951 | A14NE (E) | 958 | 10 | 528668 184053 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 39 | **Registered Waste Transfer Sites**<br>Licence Holder: L.B. of Camden<br>Licence Reference: DL251<br>Site Location: Jamestown Road Recycling Centre, 28 Jamestown Road, CAMDEN, London, NW1<br>Operator Location: Old Town Hall, Haverstock Hill, CAMDEN, London, NW3 4QP<br>Authority: Environment Agency - Thames Region, North East Area<br>Site Category: Transfer<br>Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Licence has completion certificateSurrendered<br>Dated: 5th October 1994<br>Preceded By Licence: DL251<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Lead/Acid Batteries<br>Lwra Cat. A = Inert Wastes<br>Lwra Cat. Bi Gen.Non-Putresc<br>Mineral Oils<br>Mostlwra Cat. C 'Putresc'<br>Some Lwra Cat Bii Gen. Scrap Metal W.<br>W.For Recyling (Cats A, Bi, C)<br>Prohibited Waste: Clinical - As In Coll/Disp.Regs Of '88<br>Special Wastes N.O.S.<br>Waste N.O.S. | A14NE (E) | 980 | 2 | 528690 184020 |
| 39 | **Registered Waste Transfer Sites**<br>Licence Holder: L.B. of Camden<br>Licence Reference: DL251<br>Site Location: 28 Jamestown Road, CAMDEN, London, NW1<br>Operator Location: Old Town Hall, Haverstock Hill, CAMDEN, London, NW3 4QP<br>Authority: Environment Agency - Thames Region, North East Area<br>Site Category: Transfer<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Record supersededSuperseded<br>Dated: 1st April 1987<br>Preceded By Licence: CR/018<br>Superseded By Licence: DL251<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Civic Amenity/Refuse Amenity Waste<br>Max.Waste Permitted By Licence(Stated)<br>Metal Scrap<br>Waste Mineral Oil<br>Prohibited Waste: Clinical Wastes<br>Notifiable Wastes<br>Special Wastes | A14NE (E) | 980 | 2 | 528690 184020 |
| 40 | **Registered Waste Treatment or Disposal Sites**<br>Licence Holder: The Zoological Society<br>Licence Reference: DL124<br>Site Location: Regents Park Zoo, WESTMINSTER, London, NW1 4RY<br>Operator Location: As Site Address<br>Authority: Environment Agency - Thames Region, North East Area<br>Site Category: Incineration<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: Only waste produced on site<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st June 1983<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Alcohols<br>Animal And Food Wastes<br>Aromatic Hydrocarbons<br>Halogenated Cleaning Cmpds<br>Prohibited Waste: Notifiable Wastes<br>Special Wastes | A9NW (SE) | 715 | 2 | 528100 183400 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS 1:625,000 Solid Geology**<br>Description: Thames Group | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **BGS Estimated Soil Chemistry**<br>No data available | | | | |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527717, 184227<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 21.20 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 77.40 mg/kg<br>Lead Measured Concentration: 2046.50 mg/kg<br>Nickel Measured Concentration: 33.50 mg/kg | A13NE (N) | 217 | 1 | 527717 184227 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527766, 183762<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 17.80 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 86.20 mg/kg<br>Lead Measured Concentration: 432.00 mg/kg<br>Nickel Measured Concentration: 27.40 mg/kg | A13SE (S) | 241 | 1 | 527766 183762 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527263, 183792<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 15.40 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 110.30 mg/kg<br>Lead Measured Concentration: 2419.20 mg/kg<br>Nickel Measured Concentration: 40.00 mg/kg | A12SE (SW) | 481 | 1 | 527263 183792 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527207, 184291<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 13.10 mg/kg<br>Cadmium Measured Concentration: 0.70 mg/kg<br>Chromium Measured Concentration: 81.00 mg/kg<br>Lead Measured Concentration: 714.00 mg/kg<br>Nickel Measured Concentration: 26.50 mg/kg | A12NE (NW) | 573 | 1 | 527207 184291 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 528234, 183700<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 31.90 mg/kg<br>Cadmium Measured Concentration: 1.80 mg/kg<br>Chromium Measured Concentration: 81.40 mg/kg<br>Lead Measured Concentration: 1497.70 mg/kg<br>Nickel Measured Concentration: 46.30 mg/kg | A14SW (SE) | 607 | 1 | 528234 183700 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527678, 184753<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 19.10 mg/kg<br>Cadmium Measured Concentration: 0.70 mg/kg<br>Chromium Measured Concentration: 90.00 mg/kg<br>Lead Measured Concentration: 1533.10 mg/kg<br>Nickel Measured Concentration: 31.00 mg/kg | A18NW (N) | 743 | 1 | 527678 184753 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 528324, 184426<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 14.20 mg/kg<br>Cadmium Measured Concentration: 1.00 mg/kg<br>Chromium Measured Concentration: 70.70 mg/kg<br>Lead Measured Concentration: 1103.10 mg/kg<br>Nickel Measured Concentration: 29.00 mg/kg | A19SW (NE) | 743 | 1 | 528324 184426 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527775, 183248<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 15.60 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 86.10 mg/kg<br>Lead Measured Concentration: 203.10 mg/kg<br>Nickel Measured Concentration: 34.40 mg/kg | A8SE (S) | 750 | 1 | 527775 183248 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527278, 183302<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 31.70 mg/kg<br>Cadmium Measured Concentration: 0.90 mg/kg<br>Chromium Measured Concentration: 91.20 mg/kg<br>Lead Measured Concentration: 2587.50 mg/kg<br>Nickel Measured Concentration: 46.40 mg/kg | A7SE (SW) | 812 | 1 | 527278 183302 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 528240, 184781<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 16.70 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 73.90 mg/kg<br>Lead Measured Concentration: 994.20 mg/kg<br>Nickel Measured Concentration: 26.20 mg/kg | A19NW (NE) | 937 | 1 | 528240 184781 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 528266, 183233<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 24.60 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 53.80 mg/kg<br>Lead Measured Concentration: 92.10 mg/kg<br>Nickel Measured Concentration: 21.90 mg/kg | A9SW (SE) | 948 | 1 | 528266 183233 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526761, 183848<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 23.60 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 78.40 mg/kg<br>Lead Measured Concentration: 572.40 mg/kg<br>Nickel Measured Concentration: 37.60 mg/kg | A12SW (W) | 949 | 1 | 526761 183848 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 527169, 184808<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 20.70 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 83.40 mg/kg<br>Lead Measured Concentration: 2153.80 mg/kg<br>Nickel Measured Concentration: 34.90 mg/kg | A17NE (NW) | 962 | 1 | 527169 184808 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 526761, 184231<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured Concentration: 7.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 20.70 mg/kg<br>Lead Measured Concentration: 38.00 mg/kg<br>Nickel Measured Concentration: 6.70 mg/kg | A12NW (W) | 966 | 1 | 526761 184231 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Urban Soil Chemistry Averages**<br>Source: British Geological Survey, National Geoscience Information Service<br>Sample Area: London<br>Count Id: 7209<br>Arsenic Minimum Concentration: 1.00 mg/kg<br>Arsenic Average Concentration: 17.00 mg/kg<br>Arsenic Maximum Concentration: 161.00 mg/kg<br>Cadmium Minimum Concentration: 0.10 mg/kg<br>Cadmium Average Concentration: 0.90 mg/kg<br>Cadmium Maximum Concentration: 165.20 mg/kg<br>Chromium Minimum Concentration: 13.00 mg/kg<br>Chromium Average Concentration: 79.00 mg/kg<br>Chromium Maximum Concentration: 2094.00 mg/kg<br>Lead Minimum Concentration: 11.00 mg/kg<br>Lead Average Concentration: 280.00 mg/kg<br>Lead Maximum Concentration: 10000.00 mg/kg<br>Nickel Minimum Concentration: 2.00 mg/kg<br>Nickel Average Concentration: 28.00 mg/kg<br>Nickel Maximum Concentration: 506.00 mg/kg | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Coal Mining Affected Areas**<br>In an area that might not be affected by coal mining | | | | |
| | **Non Coal Mining Areas of Great Britain**<br>No Hazard | | | | |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (SW) | 0 | 1 | 527698 183996 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 232 | 1 | 527649 184235 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 250 | 1 | 527714 184260 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 250 | 1 | 527592 184232 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |
| | **Radon Potential - Radon Protection Measures**<br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW) | 0 | 1 | 527704 184002 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 41 | **Contemporary Trade Directory Entries**<br>Name: Layal<br>Location: 10, St. Georges Terrace, London, NW1 8XH<br>Classification: Lingerie & Hosiery Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 90 | - | 527800 184012 |
| 42 | **Contemporary Trade Directory Entries**<br>Name: Cork & Bottle Wines Ltd<br>Location: 47, Ainger Road, London, NW3 3AH<br>Classification: Bottle Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 159 | - | 527797 184141 |
| 42 | **Contemporary Trade Directory Entries**<br>Name: Fabric Lab<br>Location: 54, Ainger Road, London, NW3 3AH<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 201 | - | 527822 184175 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: New Brooms<br>Location: 11, Chamberlain Street, London, NW1 8XB<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 161 | - | 527846 184095 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: R Danzig & Sons Ltd<br>Location: 65, Regents Park Road, London, NW1 8XD<br>Classification: Furriers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 162 | - | 527862 184066 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: Gale Furs<br>Location: 65, Regents Park Road, London, NW1 8XD<br>Classification: Furriers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 162 | - | 527862 184066 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: Andrew Moor Associates<br>Location: 14, Chamberlain Street, London, NW1 8XB<br>Classification: Stained Glass Designers & Producers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 173 | - | 527862 184093 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: T M K Aesthetics Lab Ltd<br>Location: 128 Regents Park Road, London, NW1 8XL<br>Classification: Laboratories<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 180 | - | 527890 184026 |
| 43 | **Contemporary Trade Directory Entries**<br>Name: Bearoak Ltd<br>Location: 73, Regents Park Road, London, NW1 8UY<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 183 | - | 527872 184093 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Fara Kids Charity Shop<br>Location: 83 Park Road,Primrose Hill, London, NW1 8UY<br>Classification: Mechanical Engineers<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NE (NE) | 201 | - | 527881 184114 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Northern Extremes Ltd<br>Location: 4, Erskine Road, London, NW3 3AJ<br>Classification: Footwear Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 217 | - | 527860 184166 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: D & Mc Automobiles<br>Location: A, 89, Regents Park Road, London, NW1 8UY<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 225 | - | 527890 184144 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 44 | **Contemporary Trade Directory Entries**<br>Name: R J Welsh<br>Location: 156, Regents Park Road, London, NW1 8XN<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 235 | - | 527922 184111 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Mel-Art Graphics<br>Location: 158, Regents Park Road, London, NW1 8XN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 240 | - | 527925 184115 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Blossom & Browne Sycamore<br>Location: 160, Regents Park Road, London, NW1 8XN<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 245 | - | 527928 184120 |
| 44 | **Contemporary Trade Directory Entries**<br>Name: Clothing Co<br>Location: 6, Erskine Road, London, NW3 3AJ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NE (NE) | 246 | - | 527883 184184 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: Komodo<br>Location: 77c, King Henrys Road, London, NW3 3QU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 204 | - | 527629 184199 |
| 45 | **Contemporary Trade Directory Entries**<br>Name: Komodo<br>Location: 77, King Henrys Road, London, NW3 3QU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 204 | - | 527629 184199 |
| 46 | **Contemporary Trade Directory Entries**<br>Name: Spellbound Entertainment Ltd<br>Location: 6, Primrose Mews, Sharpleshall Street, London, NW1 8YW<br>Classification: Television & Video Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (E) | 215 | - | 527925 184028 |
| 47 | **Contemporary Trade Directory Entries**<br>Name: The Studio<br>Location: 170, Regents Park Road, London, NW1 8XN<br>Classification: Perfume Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 270 | - | 527946 184141 |
| 47 | **Contemporary Trade Directory Entries**<br>Name: P H Factor<br>Location: 172, Regents Park Road, London, NW1 8XN<br>Classification: Toiletries<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 275 | - | 527949 184145 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Modern Motors Ltd<br>Location: 95, Adelaide Road, London, NW3 3XX<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 338 | - | 527628 184339 |
| 48 | **Contemporary Trade Directory Entries**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Rd, London, NW3 3QB<br>Classification: Mot Testing Centres<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (N) | 338 | - | 527628 184339 |
| 49 | **Contemporary Trade Directory Entries**<br>Name: Butcher Ltd<br>Location: 8, Fitzroy Road, London, NW1 8TX<br>Classification: Plaster Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 390 | - | 528090 184099 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 50 | **Contemporary Trade Directory Entries**<br>Name: Mercantile Radio Services Ltd<br>Location: 134a, Gloucester Avenue, London, NW1 8JA<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (NE) | 394 | - | 528056 184199 |
| 50 | **Contemporary Trade Directory Entries**<br>Name: London Communications Plc<br>Location: 134-136, Gloucester Avenue, London, NW1 8JA<br>Classification: Radio Communication Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (NE) | 394 | - | 528056 184199 |
| 50 | **Contemporary Trade Directory Entries**<br>Name: London Communications Plc<br>Location: 134-136, Gloucester Avenue, London, NW1 8JA<br>Classification: Radio Communication Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (NE) | 394 | - | 528056 184199 |
| 51 | **Contemporary Trade Directory Entries**<br>Name: Ireson Associates<br>Location: 110, Gloucester Avenue, London, NW1 8HX<br>Classification: Stained Glass Designers & Producers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 423 | - | 528106 184158 |
| 52 | **Contemporary Trade Directory Entries**<br>Name: H R Brook<br>Location: Flat 7, 7-8, St. Edmunds Terrace, London, NW8 7QP<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NW (S) | 427 | - | 527594 183582 |
| 53 | **Contemporary Trade Directory Entries**<br>Name: Primrose Carpet Cleaners Ltd<br>Location: 4a, Manley Street, London, NW1 8LT<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 430 | - | 528134 183938 |
| 54 | **Contemporary Trade Directory Entries**<br>Name: Primrose Scaffolders<br>Location: 3, Fitzroy Road, London, NW1 8TU<br>Classification: Scaffolding & Work Platforms<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 445 | - | 528154 184044 |
| 55 | **Contemporary Trade Directory Entries**<br>Name: Oven Cleaning Primrose Hill<br>Location: 90, Gloucester Avenue, London, NW1 8HX<br>Classification: Oven cleaning<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 463 | - | 528158 184128 |
| 55 | **Contemporary Trade Directory Entries**<br>Name: Volvo Cars Regents Park<br>Location: 1, Dumpton Place, London, NW1 8JB<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 474 | - | 528166 184138 |
| 56 | **Contemporary Trade Directory Entries**<br>Name: Tom Thumb<br>Location: 52, Auden Place, London, NW1 8ND<br>Classification: Homefurnishings - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 479 | - | 528162 183849 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Movers & Shapers<br>Location: 9, Chalcot Road, London, NW1 8LH<br>Classification: Leisure & Sportswear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 480 | - | 528187 183956 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Saf (Uk) Ltd<br>Location: Studio 1, Utopia Village, 7, Chalcot Road, London, NW1 8LH<br>Classification: T-Shirts<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14SW (E) | 488 | - | 528198 183977 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 57 | **Contemporary Trade Directory Entries**<br>Name: 78 International<br>Location: Studio 1, Utopia Village, 7, Chalcot Road, London, NW1 8LH<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14SW (E) | 488 | - | 528198 183977 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: Heathcote & Ivory<br>Location: Unit 1c, Utopia Village, 7, Chalcot Road, London, NW1 8LH<br>Classification: Perfume Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 511 | - | 528221 183987 |
| 57 | **Contemporary Trade Directory Entries**<br>Name: H & I Toiletries<br>Location: Unit 1c, Utopia Village, 7, Chalcot Road, London, NW1 8LH<br>Classification: Toiletries<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 511 | - | 528221 183987 |
| 58 | **Contemporary Trade Directory Entries**<br>Name: H R Owen<br>Location: 46-50, Gloucester Avenue, London, NW1 8JD<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 516 | - | 528218 184101 |
| 59 | **Contemporary Trade Directory Entries**<br>Name: Arrow Enterprises (Uk) Ltd<br>Location: 13, Lower Merton Rise, London, NW3 3RA<br>Classification: Chemicals & Allied Products<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 519 | - | 527235 184231 |
| 59 | **Contemporary Trade Directory Entries**<br>Name: Swan Dry Cleaners<br>Location: 19, Lower Merton Rise, London, NW3 3RA<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 540 | - | 527226 184259 |
| 60 | **Contemporary Trade Directory Entries**<br>Name: Kara Services<br>Location: 38, Fellows Road, London, NW3 3LH<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 534 | - | 527417 184459 |
| 61 | **Contemporary Trade Directory Entries**<br>Name: Siciliana Dry Cleaners<br>Location: 27, Princess Road, London, NW1 8JR<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 545 | - | 528239 183875 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: American Dry Cleaners<br>Location: 4, Chalk Farm Parade, Adelaide Road, LONDON, NW3 2BN<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 550 | - | 528085 184411 |
| 62 | **Contemporary Trade Directory Entries**<br>Name: Chalk Farm<br>Location: 18 Haverstock Hill, London, NW3 2BL<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A19SW (NE) | 584 | - | 528117 184427 |
| 63 | **Contemporary Trade Directory Entries**<br>Name: Scotts<br>Location: Flat 15, Bray, Fellows Road, London, NW3 3JX<br>Classification: Cabinet Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 564 | - | 527247 184337 |
| 64 | **Contemporary Trade Directory Entries**<br>Name: Chase Dry Cleaners<br>Location: 74 Whittom,Primrose Hill Rd, London, NW3 4AB<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SW (N) | 566 | - | 527493 184534 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 64 | **Contemporary Trade Directory Entries**<br>Name: R K P Hardware D I Y<br>Location: 51, Englands Lane, LONDON, NW3 4YD<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 578 | - | 527517 184557 |
| 64 | **Contemporary Trade Directory Entries**<br>Name: Chequers Dry Cleaners<br>Location: 48, Englands Lane, London, NW3 4UE<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 604 | - | 527502 184579 |
| 65 | **Contemporary Trade Directory Entries**<br>Name: 1 A Pest Control<br>Location: Call Centre,Regents Pk Rd, London, NW1 8BB<br>Classification: Pest & Vermin Control<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A19SW (NE) | 578 | - | 528166 184364 |
| 65 | **Contemporary Trade Directory Entries**<br>Name: 365 Cleaning Camden<br>Location: 155 Regents Park Road, London, NW1 8BB<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 590 | - | 528167 184382 |
| 66 | **Contemporary Trade Directory Entries**<br>Name: Kajima Community<br>Location: 24, Haverstock Hill, London, NW3 2BQ<br>Classification: Catering Equipment<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 614 | - | 528081 184497 |
| 67 | **Contemporary Trade Directory Entries**<br>Name: Allchin Pharmacy<br>Location: 28, Englands Lane, London, NW3 4UE<br>Classification: Pharmaceutical Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 640 | - | 527536 184627 |
| 67 | **Contemporary Trade Directory Entries**<br>Name: Red Grey Ltd<br>Location: 32, Englands Lane, London, NW3 4UE<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 642 | - | 527522 184625 |
| 68 | **Contemporary Trade Directory Entries**<br>Name: Marine Ices<br>Location: 8, Haverstock Hill, London, NW3 2BL<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 642 | - | 528197 184426 |
| 68 | **Contemporary Trade Directory Entries**<br>Name: Marine Ices<br>Location: 8, Haverstock Hill, London, NW3 2BL<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 642 | - | 528197 184426 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: Browns Industrial Group Ltd<br>Location: 75, Haverstock Hill, London, NW3 4SL<br>Classification: Sheet Metal Work<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18SE (N) | 664 | - | 527831 184662 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: Dry Cleaners Of Hampstead<br>Location: 80, Haverstock Hill, London, NW3 2BE<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 694 | - | 527875 184684 |
| 69 | **Contemporary Trade Directory Entries**<br>Name: The Ranelagh Press<br>Location: 84, Haverstock Hill, London, NW3 2BD<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 699 | - | 527864 184691 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 70 | **Contemporary Trade Directory Entries**<br>Name: Mark One Motors<br>Location: 5-6, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 669 | - | 527339 184570 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Hmc Fleet Maintenance Centre<br>Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 678 | - | 527346 184585 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Little & Pace<br>Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 678 | - | 527346 184585 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Little & Pace<br>Location: 3, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 678 | - | 527346 184585 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Little & Pace Motors<br>Location: 2-3 Eton Garages,Lambolle Pl, London, NW3 4PE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 688 | - | 527346 184596 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Rayden<br>Location: 17, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 698 | - | 527326 184596 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Beta Lighting Ltd<br>Location: 19, Eton Garages, Lambolle Place, London, NW3 4PE<br>Classification: Lighting Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 707 | - | 527332 184610 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Belsize Motors<br>Location: 3, Lambolle Place, London, NW3 4PD<br>Classification: Car Engine Tuning & Diagnostic Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 717 | - | 527299 184600 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Autotech Hamstead<br>Location: 3, Lambolle Place, London, NW3 4PD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 717 | - | 527299 184600 |
| 70 | **Contemporary Trade Directory Entries**<br>Name: Porsheworx Engineering Ltd<br>Location: 2, Lambolle Place, London, NW3 4PD<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 720 | - | 527303 184607 |
| 71 | **Contemporary Trade Directory Entries**<br>Name: Abbas<br>Location: 85, Haverstock Hill, London, NW3 4RL<br>Classification: Brass & Copper Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 682 | - | 527792 184687 |
| 72 | **Contemporary Trade Directory Entries**<br>Name: A Aspinall Rubbish Clearance<br>Location: 62, Juniper Crescent, London, NW1 8HQ<br>Classification: Waste Disposal Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 686 | - | 528350 184255 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 73 | **Contemporary Trade Directory Entries**<br>Name: Chalk Farm Ford<br>Location: 74-77, Chalk Farm Road, London, NW1 8AN<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 698 | - | 528314 184358 |
| 73 | **Contemporary Trade Directory Entries**<br>Name: Chalk Farm Tyres<br>Location: 66, Chalk Farm Road, London, NW1 8AN<br>Classification: Tyre Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 733 | - | 528359 184350 |
| 74 | **Contemporary Trade Directory Entries**<br>Name: Morrisons Petrol Station<br>Location: Chalk Farm Road, London, NW1 8AA<br>Classification: Petrol Filling Stations<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 708 | - | 528412 184102 |
| 75 | **Contemporary Trade Directory Entries**<br>Name: Beacon Scaffolding Ltd<br>Location: 36, Gloucester Avenue, London, NW1 7BB<br>Classification: Scaffolding & Work Platforms<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 722 | - | 528426 183907 |
| 76 | **Contemporary Trade Directory Entries**<br>Name: Ariel Medical Ltd<br>Location: 4, Maitland Park Road, London, NW3 2ES<br>Classification: Medical Equipment Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SE (NE) | 724 | - | 527991 184676 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: J A Harnett<br>Location: 4, Lancaster Stables, Lambolle Place, London, NW3 4PH<br>Classification: Antiques - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 729 | - | 527379 184661 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: Haywood Motors<br>Location: A, 23, Lambolle Place, London, NW3 4PG<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 738 | - | 527361 184663 |
| 77 | **Contemporary Trade Directory Entries**<br>Name: Belsize Motors<br>Location: A, 23, Lambolle Place, London, NW3 4PG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 738 | - | 527361 184663 |
| 78 | **Contemporary Trade Directory Entries**<br>Name: S B Z Foods<br>Location: 10a Belmont St, London, NW1 8HH<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SW (NE) | 745 | - | 528344 184399 |
| 78 | **Contemporary Trade Directory Entries**<br>Name: Austrian Sausage Centre<br>Location: 10a, Belmont Street, London, NW1 8HH<br>Classification: Meat Product Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 745 | - | 528344 184399 |
| 78 | **Contemporary Trade Directory Entries**<br>Name: Infectious Distribution<br>Location: 25, Ferdinand Street, London, NW1 8EU<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 784 | - | 528387 184403 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: Select Canvas<br>Location: The Stables Market,Chalk Farm Rd, London, NW1 8AH<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A14NE (NE) | 747 | - | 528392 184314 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 79 | **Contemporary Trade Directory Entries**<br>Name: Marine Ices<br>Location: 61, Chalk Farm Road, London, NW1 8AN<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (NE) | 751 | - | 528386 184337 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: Reject Pot Shop<br>Location: 56, Chalk Farm Road, London, NW1 8AN<br>Classification: Catering Equipment<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (NE) | 767 | - | 528407 184330 |
| 79 | **Contemporary Trade Directory Entries**<br>Name: Reject Pot Shop<br>Location: 56, Chalk Farm Road, London, NW1 8AN<br>Classification: Tableware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (NE) | 768 | - | 528408 184330 |
| 80 | **Contemporary Trade Directory Entries**<br>Name: Cedo Ltd<br>Location: 32, Eton Avenue, London, NW3 3HL<br>Classification: Plastic Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 752 | - | 527135 184498 |
| 81 | **Contemporary Trade Directory Entries**<br>Name: Morrisons Petrol Station<br>Location: Chalk Farm Road, London, NW1 8AA<br>Classification: Petrol Filling Stations<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 760 | - | 528420 184280 |
| 82 | **Contemporary Trade Directory Entries**<br>Name: Cleaners Of Camden<br>Location: 34, Primrose Gardens, London, NW3 4TN<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 775 | - | 527485 184753 |
| 83 | **Contemporary Trade Directory Entries**<br>Name: Gayle Mcvay<br>Location: 52, Belsize Park Gardens, London, NW3 4ND<br>Classification: Hats & Caps - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (NW) | 789 | - | 527379 184728 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Hazara Enterprise<br>Location: 14D The Stables Market,Chalk Farm Rd, London, NW1 8AH<br>Classification: Furniture - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 800 | - | 528478 184234 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Hard Floor Cleaning Camden<br>Location: Unit 90, The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Floor Cleaning & Polishing Equipment - Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 802 | - | 528483 184223 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: 2m Design<br>Location: 2 Camon Lock Market, London, NW1 8AH<br>Classification: Mirrors & Decorative Glass<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 830 | - | 528523 184176 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Marquel<br>Location: Unit 521, The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 842 | - | 528524 184225 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Eye On Design<br>Location: The Stables Market,Chalk Farm Rd, London, NW1 8AH<br>Classification: Homefurnishings - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 842 | - | 528524 184224 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 84 | **Contemporary Trade Directory Entries**<br>Name: Hooky<br>Location: The Stables Market,Chalk Farm Rd, London, NW1 8AH<br>Classification: Printers Textile<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 842 | - | 528524 184224 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: X-Ray Fog<br>Location: Unit 711,The Stables Market,Chalk Farm Rd, London, NW1 8AH<br>Classification: T-Shirts<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 842 | - | 528524 184225 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Cactus London<br>Location: The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Leather Merchants & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 864 | - | 528545 184230 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Tribu<br>Location: Unit 99e, The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 864 | - | 528545 184230 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Printzxpres<br>Location: The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 864 | - | 528545 184230 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Expert Leather Products Uk Ltd<br>Location: Unit 93, The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Leather Garments & Products<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 864 | - | 528545 184230 |
| 84 | **Contemporary Trade Directory Entries**<br>Name: Urban Clothing<br>Location: The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Printers Textile<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 864 | - | 528545 184230 |
| 85 | **Contemporary Trade Directory Entries**<br>Name: 24 Hr Waste Disposal<br>Location: St. Johns Wood Ter, London, NW8 6LP<br>Classification: Waste Disposal Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A7NE (SW) | 820 | - | 527122 183412 |
| 86 | **Contemporary Trade Directory Entries**<br>Name: Imedia Print (City) Ltd<br>Location: 2, Centric Close, Oval Road, London, NW1 7EP<br>Classification: Copying & Duplicating Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 822 | - | 528521 183868 |
| 86 | **Contemporary Trade Directory Entries**<br>Name: Lightning Graphics<br>Location: 1, Centric Close, Oval Road, London, NW1 7EP<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 832 | - | 528529 183857 |
| 87 | **Contemporary Trade Directory Entries**<br>Name: Stonegate Cleaning<br>Location: Flat 4, Stonegate, St. Silas Place, London, NW5 3QP<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 835 | - | 528235 184657 |
| 88 | **Contemporary Trade Directory Entries**<br>Name: Soap Opera The<br>Location: 8, Winchester Road, London, NW3 3NT<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 858 | - | 526882 184260 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 89 | **Contemporary Trade Directory Entries**<br>Name: Fax Repair Co<br>Location: Flat 25, Beauvale, Ferdinand Street, London, NW1 8EY<br>Classification: Fax Machines<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 868 | - | 528467 184433 |
| 90 | **Contemporary Trade Directory Entries**<br>Name: Max Fordham Llp<br>Location: 42-43, Gloucester Crescent, London, NW1 7PE<br>Classification: Engineering Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14SE (E) | 874 | - | 528580 183918 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Hope & Piaget<br>Location: Unit 12/13, Burmarsh Workshops, 71, Marsden Street, London, NW5 3JA<br>Classification: Antiques - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 875 | - | 528192 184738 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Jayne Ormonde Ltd<br>Location: Unit 14, Burmarsh Workshops, 71, Marsden Street, London, NW5 3JA<br>Classification: Candle Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 875 | - | 528192 184738 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Stop The Press<br>Location: Unit 2, Burmarsh Workshops, 71, Marsden Street, London, NW5 3JA<br>Classification: Screen Process Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19NW (NE) | 875 | - | 528192 184738 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Parkway Filling Station<br>Location: Oval Rd, London, NW1 7EB<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A14SE (E) | 882 | - | 528580 183858 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: For Your Ears Only Ltd<br>Location: Unit 88, The Stables Market, Chalk Farm Road, London, NW1 8AH<br>Classification: Radio Communication Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 883 | - | 528574 184192 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: Unique Home London<br>Location: Unit 53, The Stables Market, Chalk Farm Road, LONDON, NW1 8AH<br>Classification: Lighting Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 883 | - | 528574 184192 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: Big Teezar<br>Location: Unit 406, The Stables Market, Chalk Farm Road, LONDON, NW1 8AH<br>Classification: T-Shirts<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 883 | - | 528574 184192 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Plycraft Industries<br>Location: 7, Parkhill Road, London, NW3 2YH<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 883 | - | 527746 184892 |
| 95 | **Contemporary Trade Directory Entries**<br>Name: Chalcot House Services<br>Location: Flat 1, 51, Belsize Park Gardens, London, NW3 4JL<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 885 | - | 527202 184737 |
| 96 | **Contemporary Trade Directory Entries**<br>Name: Johns Wood<br>Location: 47 Charlbert St, London, NW8 6JN<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 886 | - | 527116 183328 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 96 | **Contemporary Trade Directory Entries**<br>Name: Majestic Hardware<br>Location: 49, Charlbert Street, London, NW8 6JN<br>Classification: Hardware<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 888 | - | 527107 183334 |
| 96 | **Contemporary Trade Directory Entries**<br>Name: Parks<br>Location: 76-78, Allitsen Road, London, NW8 7BG<br>Classification: Candle Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 904 | - | 527121 183301 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Camden Cleaners<br>Location: 2, Malden Road, London, NW5 3HR<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 891 | - | 528339 184640 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Malden Dry Cleaner<br>Location: 8, Malden Road, London, NW5 3HR<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 898 | - | 528331 184656 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Cam Autos Ltd<br>Location: 4, Newbury Mews, London, NW5 3HP<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 912 | - | 528350 184658 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Antique Restorations<br>Location: 13-15, Newbury Mews, London, NW5 3HP<br>Classification: Antiques - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A19SW (NE) | 919 | - | 528352 184665 |
| 98 | **Contemporary Trade Directory Entries**<br>Name: The Belsize Plumbing Co Ltd<br>Location: 24, Belsize Grove, London, NW3 4TR<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 901 | - | 527399 184857 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: Chalk Farm Service Station<br>Location: 29 Chalk Farm Rd, London, NW1 8AJ<br>Classification: Petrol Filling Stations - 24 Hour<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 902 | - | 528567 184291 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: A B R Carpets<br>Location: 73 West Yard, Camden Lock Place, London, NW1 8AF<br>Classification: Breakdown and Recovery<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 917 | - | 528624 184092 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Car Scraping Scrap Yards In North West London<br>Location: 94, West Yard, Camden Lock Place, London, NW1 8AF<br>Classification: Car Breakers & Dismantlers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 923 | - | 528630 184084 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Scrap Yard In Camden Town<br>Location: Camden Lock Place, London, nw1 8af<br>Classification: Car Breakers & Dismantlers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NE (E) | 923 | - | 528630 184084 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: World Panorama Ltd<br>Location: West Yard,Camden Lock Pl, London, NW1 8AF<br>Classification: Photo & Digital Imaging Bureaus<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 923 | - | 528630 184083 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 100 | **Contemporary Trade Directory Entries**<br>Name: Silk Shop<br>Location: 45/46, Middle Yard, Camden Lock Place, London, NW1 8AF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 947 | - | 528651 184124 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 936 | - | 527245 183177 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 936 | - | 527245 183177 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: Oslo Court Garage Ltd<br>Location: Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 936 | - | 527245 183177 |
| 101 | **Contemporary Trade Directory Entries**<br>Name: C D Carriage<br>Location: Flat 2, Oslo Court, Prince Albert Road, London, NW8 7EN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 936 | - | 527245 183177 |
| 102 | **Contemporary Trade Directory Entries**<br>Name: Pink Piranha<br>Location: 21, Chalk Farm Road, London, NW1 8AG<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 940 | - | 528622 184238 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Pearl & Black English Originals<br>Location: 13, Belsize Grove, London, NW3 4UX<br>Classification: Stationery Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 942 | - | 527340 184878 |
| 104 | **Contemporary Trade Directory Entries**<br>Name: Danico<br>Location: 31-35, Winchester Road, London, NW3 3NR<br>Classification: Hardware<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 954 | - | 526803 184325 |
| 105 | **Contemporary Trade Directory Entries**<br>Name: Georgiou Bros<br>Location: 1-5, Harmood Grove, London, NW1 8DH<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (E) | 960 | - | 528607 184350 |
| 105 | **Contemporary Trade Directory Entries**<br>Name: Lead & Light<br>Location: 35a, Hartland Road, London, NW1 8DB<br>Classification: Stained Glass Designers & Producers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SE (E) | 983 | - | 528626 184366 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Crystal Express Services<br>Location: 46, Malden Road, London, NW5 3HG<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 962 | - | 528270 184790 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: R P M Motors<br>Location: Malden Rd, London, NW5 3HP<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A19NW (NE) | 967 | - | 528235 184820 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 107 | **Contemporary Trade Directory Entries**<br>Name: Rileys Electricians Ltd<br>Location: 210, Camden High Street, London, NW1 8QR<br>Classification: Domestic Appliances - Servicing, Repairs & Parts<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 977 | - | 528679 184140 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: Serviceteam Ltd<br>Location: Offices and Premises at 3rd Floor Rear, Camden Wharf, 28, Jamestown Road, London, NW1 7BY<br>Classification: Waste Disposal Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NE (E) | 983 | - | 528693 184024 |
| 109 | **Contemporary Trade Directory Entries**<br>Name: Groom 'N' Zoom<br>Location: 106, Allitsen Road, London, NW8 7AY<br>Classification: Pet Foods & Animal Feeds<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7SE (SW) | 991 | - | 527048 183248 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Remapol<br>Location: Flat 18, Hornbeam House, Maitland Park Villas, London, NW3 2EJ<br>Classification: Furniture - Repairing & Restoring<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 998 | - | 527890 184991 |
| 111 | **Fuel Station Entries**<br>Name: Star Chalk Farm<br>Location: 81-85, Chalk Farm Road , Chalk Farm , London, Inner London, NW1 8AR<br>Brand: Texaco<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Approximate location provided by supplier | A19SW (NE) | 662 | - | 528174 184481 |
| 112 | **Fuel Station Entries**<br>Name: Morrisons Camden<br>Location: Chalk Farm Road , Chalk Farm , London, Inner London, NW1 8AA<br>Brand: Morrisons<br>Premises Type: Hypermarket<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 760 | - | 528420 184281 |
| 113 | **Fuel Station Entries**<br>Name: Parkway Filling Station<br>Location: 120, Parkway , Camden Town , London, Inner London, NW1 7AN<br>Brand: Obsolete<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Approximate location provided by supplier | A14SE (E) | 880 | - | 528582 183889 |
| 114 | **Fuel Station Entries**<br>Name: Chalk Farm Service Station<br>Location: 29-33, Chalk Farm Road , Chalk Farm , London, Inner London, NW1 8AJ<br>Brand: ESSO<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Manually positioned to the address or location | A14NE (E) | 902 | - | 528567 184291 |
| 115 | **Points of Interest - Commercial Services**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Rd, London, NW3 3QB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (N) | 338 | 9 | 527628 184339 |
| 115 | **Points of Interest - Commercial Services**<br>Name: Modern Motors Ltd<br>Location: 95 Adelaide Road, London, NW3 3XX<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (N) | 338 | 9 | 527628 184339 |
| 116 | **Points of Interest - Commercial Services**<br>Name: Atton Fleet Care Ltd<br>Location: 45 Quickswood, London, NW3 3SA<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13NW (NW) | 404 | 9 | 527433 184308 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 117 | **Points of Interest - Commercial Services**<br>Name: H R Owen<br>Location: 46-50 Gloucester Avenue, London, NW1 8JD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A14NW (E) | 516 | 9 | 528218 184101 |
| 118 | **Points of Interest - Commercial Services**<br>Name: Browns Industrial Group Ltd<br>Location: 75 Haverstock Hill, London, NW3 4SL<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location | A18SE (N) | 663 | 9 | 527831 184662 |
| 118 | **Points of Interest - Commercial Services**<br>Name: Browns Industrial Group Ltd<br>Location: 75 Haverstock Hill, London, NW3 4SL<br>Category: Construction Services<br>Class Code: Metalworkers Including Blacksmiths<br>Positional Accuracy: Positioned to address or location | A18SE (N) | 664 | 9 | 527831 184662 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Blue Team<br>Location: 5-6 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 665 | 9 | 527336 184562 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Camden M O T Garage<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 678 | 9 | 527346 184585 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Hmc Fleet Maintenance Centre<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 678 | 9 | 527346 184585 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Little & Pace Motors<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 678 | 9 | 527346 184585 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Little & Pace<br>Location: 3 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 678 | 9 | 527345 184584 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Kassbet Ltd<br>Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 683 | 9 | 527349 184592 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Little & Pace Motors<br>Location: 2-3 Eton Garages, Lambolle Pl, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 688 | 9 | 527346 184596 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 698 | 9 | 527326 184596 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 698 | 9 | 527326 184596 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 119 | **Points of Interest - Commercial Services**<br>Name: Rayden Car Repairs<br>Location: 17 Eton Garages, Lambolle Place, London, NW3 4PE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 698 | 9 | 527326 184596 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Hampstead Motor Services Ltd<br>Location: 4 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 712 | 9 | 527295 184591 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Autotech Hamstead<br>Location: 3 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 716 | 9 | 527299 184599 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Autotech London Ltd<br>Location: 3 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 717 | 9 | 527299 184600 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Porsheworx Engineering Ltd<br>Location: 2 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 720 | 9 | 527303 184607 |
| 119 | **Points of Interest - Commercial Services**<br>Name: Porsheworx<br>Location: 2 Lambolle Place, London, NW3 4PD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 721 | 9 | 527303 184607 |
| 120 | **Points of Interest - Commercial Services**<br>Name: A Aspinall Rubbish Clearance<br>Location: 62 Juniper Crescent, London, NW1 8HQ<br>Category: Recycling Services<br>Class Code: Recycling, Reclamation and Disposal<br>Positional Accuracy: Positioned to address or location | A14NW (E) | 685 | 9 | 528349 184255 |
| 121 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors (Fleetmead)<br>Location: 23A Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184663 |
| 121 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184662 |
| 121 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors<br>Location: A 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184663 |
| 121 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: A 23 Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184663 |
| 121 | **Points of Interest - Commercial Services**<br>Name: Haywood Motors<br>Location: 23A Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184662 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 121 | **Points of Interest - Commercial Services**<br>Name: Belsize Motors<br>Location: 23a Lambolle Place, London, NW3 4PG<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 738 | 9 | 527361 184663 |
| 122 | **Points of Interest - Commercial Services**<br>Name: Abbey Asbestos Management Ltd<br>Location: Flat 50 Penshurst, Queens Crescent, London, NW5 3QH<br>Category: Recycling Services<br>Class Code: Recycling, Reclamation and Disposal<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 765 | 9 | 528090 184672 |
| 123 | **Points of Interest - Commercial Services**<br>Name: Autoglass<br>Location: 6 Centric Close, Oval Road, London, NW1 7EP<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A14SE (E) | 784 | 9 | 528489 183916 |
| 123 | **Points of Interest - Commercial Services**<br>Name: Autoglass<br>Location: 6 Centric Close, Oval Road, London, NW1 7EP<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A14SE (E) | 784 | 9 | 528489 183916 |
| 124 | **Points of Interest - Commercial Services**<br>Name: Megaone Distributors<br>Location: 6 Malden Road, London, NW5 3HR<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A19SW (NE) | 896 | 9 | 528334 184652 |
| 125 | **Points of Interest - Commercial Services**<br>Name: C D<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 936 | 9 | 527245 183177 |
| 125 | **Points of Interest - Commercial Services**<br>Name: Oslo Court Garage<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 936 | 9 | 527245 183177 |
| 125 | **Points of Interest - Commercial Services**<br>Name: C D Carriage Co<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 936 | 9 | 527245 183177 |
| 125 | **Points of Interest - Commercial Services**<br>Name: C D Carriage Ltd<br>Location: Prince Albert Road, London, NW8 7EN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A7SE (SW) | 937 | 9 | 527244 183177 |
| 126 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 321 | 9 | 527948 184223 |
| 126 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 323 | 9 | 527951 184224 |
| 126 | **Points of Interest - Manufacturing and Production**<br>Name: Factory<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 339 | 9 | 528008 184170 |

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| 126 | **Points of Interest - Manufacturing and Production**<br>Name: Factory<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to address or location | A13NE (NE) | 340 | 9 | 528007 184174 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 384 | 9 | 528086 184086 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 384 | 9 | 528086 184087 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 395 | 9 | 528096 184094 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 396 | 9 | 528097 184094 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: The Primrose Hill Business Centre<br>Location: 110 Gloucester Avenue, London, NW1 8HX<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A14NW (E) | 423 | 9 | 528106 184158 |
| 127 | **Points of Interest - Manufacturing and Production**<br>Name: Primrose Hill Business Centre<br>Location: 110 Gloucester Avenue, London, NW1 8HX<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A14NW (E) | 437 | 9 | 528117 184167 |
| 128 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (NE) | 429 | 9 | 528101 184185 |
| 129 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 484 | 9 | 528194 184024 |
| 130 | **Points of Interest - Manufacturing and Production**<br>Name: Vineyards<br>Location: 36 Gloucester Avenue, London, NW1 7BB<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location | A14SE (E) | 722 | 9 | 528426 183907 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 749 | 9 | 528362 184378 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 749 | 9 | 528362 184378 |

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| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (NE) | 763 | 9 | 528399 184337 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (NE) | 763 | 9 | 528399 184337 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 777 | 9 | 528401 184364 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 777 | 9 | 528401 184364 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 779 | 9 | 528398 184374 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 779 | 9 | 528398 184375 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 798 | 9 | 528435 184342 |
| 131 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 798 | 9 | 528435 184342 |
| 132 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E) | 867 | 9 | 528522 184313 |
| 132 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E) | 867 | 9 | 528522 184313 |
| 133 | **Points of Interest - Manufacturing and Production**<br>Name: The Ice Works<br>Location: NW1<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E) | 896 | 9 | 528606 184020 |
| 134 | **Points of Interest - Manufacturing and Production**<br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (E) | 962 | 9 | 528608 184353 |

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| 135 | **Points of Interest - Public Infrastructure**<br>Name: Belsize Fire Station<br>Location: Belsize Fire Station 36, Lancaster Grove, London, NW3 4PB<br>Category: Central and Local Government<br>Class Code: Fire Brigade Stations<br>Positional Accuracy: Positioned to address or location | A17SE (NW) | 705 | 9 | 527241 184539 |
| 136 | **Points of Interest - Public Infrastructure**<br>Name: W M Morrisons Petrol Station<br>Location: The Goods Yard, Chalk Farm Road, London, NW1 8AA<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 757 | 9 | 528418 184278 |
| 136 | **Points of Interest - Public Infrastructure**<br>Name: Morrisons Petrol Station<br>Location: Chalk Farm Road, London, NW1 8AA<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 760 | 9 | 528420 184281 |
| 137 | **Points of Interest - Public Infrastructure**<br>Name: Morrisons Camden<br>Location: Chalk Farm Road, Chalk Farm, London, NW1 8AA<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 849 | 9 | 528547 184151 |
| 138 | **Points of Interest - Public Infrastructure**<br>Name: Chalk Farm Service Station<br>Location: 29 Chalk Farm Rd, London, NW1 8AJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 902 | 9 | 528567 184291 |
| 138 | **Points of Interest - Public Infrastructure**<br>Name: Chalk Farm Service Station<br>Location: 32-33 Chalk Farm Road, London, NW1 8AJ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 902 | 9 | 528567 184291 |
| 138 | **Points of Interest - Public Infrastructure**<br>Name: Chalk Farm Service Station<br>Location: 29 Chalk Farm Road, London, NW1 8AG<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 903 | 9 | 528568 184292 |
| 139 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A13NE (N) | 166 | 9 | 527756 184168 |
| 140 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 415 | 9 | 527902 183631 |
| 140 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Prince Albert Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (SE) | 415 | 9 | 527902 183631 |
| 141 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18SE (NE) | 507 | 9 | 528011 184416 |
| 141 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Eton College Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A18SE (NE) | 508 | 9 | 528008 184419 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 142 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Fellows Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 585 | 9 | 527238 184361 |
| 142 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 586 | 9 | 527238 184362 |
| 143 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (NE) | 630 | 9 | 528293 184248 |
| 143 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Juniper Crescent, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A14NW (NE) | 630 | 9 | 528293 184249 |
| 143 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Juniper Crescent, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A14NW (E) | 646 | 9 | 528318 184227 |
| 143 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14NW (E) | 648 | 9 | 528320 184227 |
| 144 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 679 | 9 | 528099 184564 |
| 144 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 710 | 9 | 528161 184557 |
| 145 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A9NW (SE) | 714 | 9 | 528133 183425 |
| 145 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Outer Circle, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A9NW (SE) | 745 | 9 | 528194 183435 |
| 146 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E) | 758 | 9 | 528468 184030 |
| 146 | **Points of Interest - Recreational and Environmental**<br>Name: Play Area<br>Location: Gilbeys Yard, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A14NE (E) | 759 | 9 | 528469 184032 |

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| 147 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW) | 772 | 9 | 527177 183426 |
| 147 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: St John'S Wood Terrace, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW) | 772 | 9 | 527177 183426 |
| 147 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Allitsen Road, NW8<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW) | 777 | 9 | 527204 183396 |
| 147 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A7NE (SW) | 785 | 9 | 527195 183394 |
| 148 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 802 | 9 | 528386 184440 |
| 148 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Mead Close, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 802 | 9 | 528386 184440 |
| 149 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 858 | 9 | 527837 184858 |
| 149 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Parkhill Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 859 | 9 | 527837 184859 |
| 150 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 871 | 9 | 528108 184783 |
| 150 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Marsden Street, NW5<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 873 | 9 | 528109 184785 |
| 150 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Nr Queen'S Crescent, NW5<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 947 | 9 | 528146 184849 |
| 150 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 951 | 9 | 528153 184850 |

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| 151 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Marsden Street, NW5<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A19NW (NE) | 876 | 9 | 528221 184720 |
| 151 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 878 | 9 | 528224 184720 |
| 152 | **Points of Interest - Recreational and Environmental**<br>Name: Regent's Park<br>Location: London, NW1<br>Category: Recreational<br>Class Code: Municipal Parks And Gardens<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 885 | 9 | 527870 183126 |
| 153 | **Points of Interest - Recreational and Environmental**<br>Name: Ferdinand House Play Area<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A19SE (NE) | 901 | 9 | 528492 184456 |
| 154 | **Points of Interest - Recreational and Environmental**<br>Name: Regent's Park<br>Location: London, NW1<br>Category: Recreational<br>Class Code: Municipal Parks And Gardens<br>Positional Accuracy: Positioned to address or location | A8SE (S) | 915 | 9 | 527971 183120 |
| 155 | **Points of Interest - Recreational and Environmental**<br>Name: Adventure Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A12NW (W) | 938 | 9 | 526804 184281 |
| 155 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Avenue Road, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A12NW (W) | 954 | 9 | 526777 184244 |
| 156 | **Points of Interest - Recreational and Environmental**<br>Name: Adventure Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18NW (N) | 953 | 9 | 527689 184963 |
| 156 | **Points of Interest - Recreational and Environmental**<br>Name: Adventure Playground<br>Location: Fountain Mews, NW3<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A18NW (N) | 953 | 9 | 527689 184963 |
| 157 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Outer Circle, NW1<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location | A9NE (SE) | 984 | 9 | 528484 183397 |
| 157 | **Points of Interest - Recreational and Environmental**<br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A9NE (SE) | 992 | 9 | 528503 183409 |
| 158 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263003<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13NW (NW) | 177 | 10 | 527574 184127 |

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| 159 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266074<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13NW (NW) | 177 | 10 | 527573 184127 |
| 160 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266017<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13NW (NW) | 184 | 10 | 527567 184130 |
| 161 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262733<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13NW (NW) | 185 | 10 | 527567 184131 |
| 162 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263004<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13NW (NW) | 198 | 10 | 527528 184098 |
| 163 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266075<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13NW (NW) | 199 | 10 | 527527 184099 |
| 164 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266018<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13NW (NW) | 203 | 10 | 527525 184103 |
| 165 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262734<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13NW (NW) | 204 | 10 | 527524 184103 |
| 166 | **Underground Electrical Cables**<br>Unique Feature Identifier: 259475<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13SW (SW) | 239 | 10 | 527569 183796 |
| 167 | **Underground Electrical Cables**<br>Unique Feature Identifier: 264588<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13SW (SW) | 239 | 10 | 527569 183795 |
| 168 | **Underground Electrical Cables**<br>Unique Feature Identifier: 264578<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13SW (SW) | 242 | 10 | 527567 183793 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 169 | **Underground Electrical Cables**<br>Unique Feature Identifier: 259573<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13SW (SW) | 242 | 10 | 527567 183793 |
| 170 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263005<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13SW (S) | 248 | 10 | 527625 183759 |
| 171 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266076<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13SW (S) | 248 | 10 | 527625 183759 |
| 172 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262735<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13SW (S) | 259 | 10 | 527618 183750 |
| 173 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266019<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13SW (S) | 259 | 10 | 527618 183750 |
| 174 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262732<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A13NW (NW) | 354 | 10 | 527518 184310 |
| 175 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266016<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A13NW (NW) | 354 | 10 | 527518 184310 |
| 176 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263002<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A18SW (N) | 357 | 10 | 527681 184366 |
| 177 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266073<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A18SW (N) | 357 | 10 | 527681 184367 |
| 178 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263077<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A18SE (N) | 375 | 10 | 527720 184385 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 179 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266481<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A18SE (N) | 375 | 10 | 527720 184385 |
| 180 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263006<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A8NE (S) | 401 | 10 | 527723 183594 |
| 181 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266077<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NE (S) | 402 | 10 | 527723 183594 |
| 182 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266072<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A18SE (N) | 409 | 10 | 527732 184418 |
| 183 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263001<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A18SE (N) | 409 | 10 | 527732 184418 |
| 184 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266020<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 414 | 10 | 527616 183589 |
| 185 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262736<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A8NW (S) | 415 | 10 | 527616 183589 |
| 186 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265551<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 485 | 10 | 527899 183551 |
| 187 | **Underground Electrical Cables**<br>Unique Feature Identifier: 260204<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 485 | 10 | 527899 183552 |
| 188 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262079<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 486 | 10 | 527899 183551 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 189 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265571<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 486 | 10 | 527899 183550 |
| 190 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262078<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 487 | 10 | 527931 183564 |
| 191 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265570<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 489 | 10 | 527942 183569 |
| 192 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262228<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 501 | 10 | 528009 183598 |
| 193 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265552<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NE (SE) | 505 | 10 | 528019 183601 |
| 194 | **Underground Electrical Cables**<br>Unique Feature Identifier: 270627<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A8NW (S) | 543 | 10 | 527672 183452 |
| 195 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266078<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 543 | 10 | 527672 183453 |
| 196 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265550<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 547 | 10 | 527656 183449 |
| 197 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262214<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NW (S) | 552 | 10 | 527645 183445 |
| 198 | **Underground Electrical Cables**<br>Unique Feature Identifier: 270626<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A8NW (S) | 578 | 10 | 527609 183424 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 199 | **Underground Electrical Cables**<br>Unique Feature Identifier: 264579<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 578 | 10 | 527609 183424 |
| 200 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265569<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 593 | 10 | 527585 183413 |
| 201 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262076<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8NW (S) | 601 | 10 | 527575 183407 |
| 202 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262077<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A14SW (E) | 613 | 10 | 528280 183781 |
| 203 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262217<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A14SW (E) | 613 | 10 | 528285 183794 |
| 204 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265553<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A14SW (E) | 614 | 10 | 528289 183804 |
| 205 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265572<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A14SW (E) | 614 | 10 | 528281 183781 |
| 206 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265399<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12SE (W) | 631 | 10 | 527070 183928 |
| 207 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265546<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12SE (W) | 633 | 10 | 527069 183928 |
| 208 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266071<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A18SE (NE) | 636 | 10 | 527964 184592 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 209 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263000<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A18SE (NE) | 636 | 10 | 527963 184591 |
| 210 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266079<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8NW (S) | 683 | 10 | 527488 183346 |
| 211 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262999<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A19SW (NE) | 727 | 10 | 528126 184604 |
| 212 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266070<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A19SW (NE) | 727 | 10 | 528126 184605 |
| 213 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265400<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12NW (W) | 737 | 10 | 526968 184099 |
| 214 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265522<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12SW (W) | 738 | 10 | 526974 183849 |
| 215 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266021<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8SW (S) | 739 | 10 | 527440 183304 |
| 216 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265523<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12NW (W) | 742 | 10 | 526964 184102 |
| 217 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265398<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A12SW (W) | 743 | 10 | 526971 183843 |
| 218 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262080<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A14NE (E) | 771 | 10 | 528481 184020 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 219 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265574<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A14NE (E) | 782 | 10 | 528492 184023 |
| 220 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266482<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A19SW (NE) | 813 | 10 | 528245 184621 |
| 221 | **Underground Electrical Cables**<br>Unique Feature Identifier: 263079<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A19SW (NE) | 814 | 10 | 528245 184621 |
| 222 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262220<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A14NE (E) | 850 | 10 | 528560 184044 |
| 223 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265549<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A8SW (S) | 851 | 10 | 527380 183207 |
| 224 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262216<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A8SW (S) | 862 | 10 | 527374 183197 |
| 225 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265554<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A14NE (E) | 862 | 10 | 528572 184047 |
| 226 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266080<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A7SE (S) | 890 | 10 | 527365 183171 |
| 227 | **Underground Electrical Cables**<br>Unique Feature Identifier: 264587<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A19SE (NE) | 914 | 10 | 528384 184626 |
| 228 | **Underground Electrical Cables**<br>Unique Feature Identifier: 259474<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 15th August 2014 | A19SE (NE) | 914 | 10 | 528384 184625 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 229 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266494<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A7NW (SW) | 927 | 10 | 526936 183468 |
| 230 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265521<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A7NW (SW) | 929 | 10 | 526935 183467 |
| 231 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265568<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A7SE (S) | 932 | 10 | 527345 183134 |
| 232 | **Underground Electrical Cables**<br>Unique Feature Identifier: 262075<br>Cable Status: Commissioned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A7SE (S) | 943 | 10 | 527339 183124 |
| 233 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265402<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A17SW (NW) | 966 | 10 | 526894 184533 |
| 234 | **Underground Electrical Cables**<br>Unique Feature Identifier: 266022<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A7SE (S) | 967 | 10 | 527330 183102 |
| 235 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265524<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A17SW (NW) | 968 | 10 | 526893 184533 |
| 236 | **Underground Electrical Cables**<br>Unique Feature Identifier: 265401<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A17SW (W) | 968 | 10 | 526803 184365 |
| 237 | **Underground Electrical Cables**<br>Unique Feature Identifier: 264471<br>Cable Status: Commissioned<br>Cable Type: Pilot (Communication)<br>Record Last Updated: 4th June 2013 | A17SW (W) | 973 | 10 | 526799 184368 |
| 238 | **Underground Electrical Cables**<br>Unique Feature Identifier: 279509<br>Cable Status: Planned<br>Cable Type: Alternating Current<br>Record Last Updated: 4th June 2013 | A9SW (S) | 980 | 10 | 528072 183087 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 239 | **Local Nature Reserves**<br>Name: Adelaide<br>Multiple Area: N<br>Area (m2): 2767.76<br>Source: Natural England<br>Designation Date: Not Supplied | A13NW (N) | 308 | 11 | 527602 184300 |