ARUP

Equinix UK Limited

LD14 Slough

Ground Contamination Desk Study and Preliminary Risk Assessment

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Executive summary

This ground contamination desk study and preliminary risk assessment report has been prepared for Equinix to support the proposed redevelopment of LD14, Slough Trading Estate. The report presents and assesses the latest desk-based and historical ground investigation information for the site and the surroundings, considering the historical and current land uses, the environmental setting and development proposals.

The site is located within the Slough Trading Estate and is mostly occupied by a two-storey commercial building which is subdivided into five industrial units. A single storey electricity substation is adjacent to the east and areas of hard standing for vehicle parking and loading are present in the north, east and at the rear of the building in the south. Some soft landscaping and tree planting is present along the northern and eastern boundaries.

The site was first developed in the 1920s as part of the wider Slough Trading Estate and is understood to have been occupied by a motor works. Historical onsite uses from the 1950s until the 1980s include wire fabric engineering works, general engineering works, die-casting and metal works, steel heat treatment engineering works, automatic plating works, metal engineering works and reinforced concrete works. Railway lines (and possibly railway sidings) were present along the northern boundary from the 1920s until the 1960s and an electricity substation has been present in the east since the mid-1950s. Partial demolition and refurbishment of the onsite industrial units was undertaken in the 1980s to provide offices, warehouse floorspace and vehicle parking. The surrounding Slough Trading Estate has been used for a variety of industrial uses from the 1920s until the present day.

The ground conditions at the site comprise Made Ground overlying the Langley Silt Member and Taplow Gravel Member superficial deposits. The bedrock geology comprises the Lambeth Group (reported by BGS) and the Seaford Chalk Formation and Newhaven Chalk Formation (undifferentiated). This is further underlain by a sequence of the Upper Greensand Group, Gault Formation and Lower Greensand Group. An upper principal aquifer is anticipated to be present within the Taplow Gravel Member and a lower aquifer is present within the lower granular layers of the Lambeth Group (secondary A aquifer) and the Chalk (principal aquifer). However, previous ground investigations undertaken onsite and nearby have not encountered the cohesive or granular layers of the Lambeth Group and there is anticipated to be a high degree of hydraulic conductivity between the upper Taplow Gravel and lower Chalk aquifer. The whole site is within a groundwater source protection zone 3 and the northern part of the site is within a zone 2. The majority of groundwater abstractions situated close to the site are believed to be from the deep Lower Greensand.

The proposed development comprises the construction of a data centre with peripheral areas of soft landscaping along the northern and eastern boundaries. No basement is proposed.

Potential onsite sources of contamination comprise site-wide Made Ground, an electricity substation, railway land and previous industrial uses which include engineering works, die-casting and metal works, automatic plating works and reinforced concrete works. Potential sources of offsite contamination in the surrounding Slough Trading Estate include various current works and historical factories, works and warehouses with associated railway lines, sidings, tanks and electricity substations. Recent onsite and offsite groundwater monitoring in the shallow Taplow Gravel aquifer and deeper Chalk aquifer has identified high concentrations of volatile organic compounds (VOC), including chlorinated solvents, which may be indicative of a wider plume within the groundwater.

This report presents an initial conceptual model setting out an assessment of contamination sources, pathways and receptors. The preliminary risk assessment is summarised below.

Description	Risk assessment (without mitigation)
Environmental sensitivity	High
Development sensitivity	Low
Potential for significant contamination	Moderate

Description	Risk assessment (without mitigation)
Risk of harm to human health (workers and site visitors) during construction	Moderate
Risk of harm to human health (neighbouring site users) during construction	Low to moderate
Risk of harm to human health (future site users) during operation	Low to moderate
Risk of harm to human health (maintenance workers) during operation	Moderate
Risk of pollution to groundwater (principal Taplow Gravel aquifer)	High
Risk of pollution to groundwater (principal Chalk aquifer)	High
Risk to onsite building materials and services	Low
Risk to planting in future soft landscaping areas	Low

It is recommended that a ground investigation is completed to characterise the ground conditions, to enable a quantitative risk assessment of the potential contaminant linkages identified in the conceptual site model and preliminary risk assessment, and to inform waste classification. The results of the ground investigation will inform the need for further detailed quantitative risk assessment, the subsequent remediation strategy and mitigation measures to be incorporated during construction and operation of the development.

It is anticipated that Slough Borough Council will place a typical staged ground contamination related planning condition on any future consent for development, including a requirement for ground investigation risk assessment, remediation (based on the outcome of the assessment) and verification.

1. Introduction

1.1 Background

Equinix UK Limited (Equinix) is planning to submit a planning application for the proposed redevelopment of plot LD14 on the Slough Trading Estate in Slough, SL1 4LH (the site). Ove Arup & Partners Limited (Arup) has been appointed to prepare a ground contamination desk study and preliminary risk assessment to support the redevelopment of the site.

The proposed development includes demolition of existing buildings and the construction of a five storey data centre building, with additional height to accommodate plant at roof level. Further details of the proposed development are included in Section 2.4.

The Slough Trading Estate is within a simplified planning zone (SPZ) [1]. The SPZ is a specialised planning permission which sets out conditions that must be met, allowing some types of development to be built without the need to apply for an individual planning permission. However, due to the height of the proposed data centre building, the development does not fall within the SPZ permission and therefore, a detailed planning application will be submitted to Slough Borough Council for approval.

1.2 Report objectives

The objectives of this report are to:

- identify and assess relevant sources of information concerning historical site uses, environmental setting, site sensitivity, ground conditions and the potential for ground contamination at the site and in the surrounding area;
- assess the potential for ground contamination and undertake a preliminary risk assessment based on a conceptual site model, considering risks associated with the construction and operational stages of the proposed development;
- identify next steps, including the requirement for ground investigation and further contamination assessment; and
- provide information sufficient to support the upcoming planning application and to satisfy the requirement for a preliminary risk assessment, which would be expected to comprise the first stage of any future contaminated land planning condition.

1.3 Scope of work

The scope of work for this report comprises:

- a review of desk based information collated for the site concerning historical and current site uses;
- a summary of the local geology, hydrogeology and hydrology, and an appraisal of the environmental setting and site sensitivity;
- a reconnaissance survey to establish the current site uses and assess the current site configuration and condition;
- a review of previous ground investigation data for the site and adjacent LD7 site to the west;
- an assessment of the potential for ground contamination and the nature of potential contamination sources;
- consideration of relevant information and details of the proposed development to inform an initial conceptual site model and preliminary risk assessment, to assess potential implications from ground contamination to the development; and
- provision of initial recommendations for the redevelopment of the site and identification of requirements for intrusive ground investigation.

This desk based ground contamination preliminary risk assessment has been prepared in general accordance with the National Planning Policy Framework [1], BS10175:2011+A2:2017 Investigation of potentially contaminated sites, Code of practice [3] and Environment Agency (EA) (2020) Land Contamination Risk Management (LCRM) guidance [4].

1.4 Information sources

The following sources of information and previous reports have been used in preparation of this report:

- Groundsure Enviro+Geo Insight [5] (reproduced as Appendix A);
- Google Maps [6];
- British Geological Survey GeoIndex website [7];
- MAGIC maps website [8];
- Zetica UXO risk maps website [9];
- a site reconnaissance survey undertaken by an Arup contaminated land consultant on 16 September 2022 (photographs included as Appendix B);
- previous ground investigation and interpretative reports prepared for the adjacent LD7.1 and LD7.2 site [10][11][12][13][17][18][19][20][21];
- borehole logs and laboratory results from the Delta Simons Slough Trading Estate groundwater monitoring programme [12];
- Slough Borough Council planning applications website [22];
- email correspondence with the Environment Agency (reproduced as Appendix D);
- historical building control plans and maps held by Berkshire Record Office and Slough Museum (reproduced as Appendix E); and
- Department of the Environment (1995), Industry Profiles [23].

1.5 Limitations

This report has been produced by Arup for the use of Equinix in connection with the proposed redevelopment of the site. It takes into account our client's particular instructions and requirements and addresses their priorities at the time. It is not intended for, and should not be relied upon by, any third party except as provided for in Arup's appointment with Equinix.

Arup has based this report on the sources of information detailed within the report text and believes them to be reliable, but cannot and does not guarantee the authenticity or reliability of third party information. Notwithstanding the efforts made by the professional team in undertaking this contamination assessment, it is possible that ground conditions and contamination other than that potentially indicated by this report may exist at the site.

This report has been prepared based on current legislation, statutory requirements, planning policy and industry good practice at the time of writing. Any subsequent changes or new guidance may require the findings, conclusions and recommendations made in this report to be reassessed in the light of the circumstances. Should the proposed layout or use of the site change, the assessments and conclusions presented in this report may need to be revised.

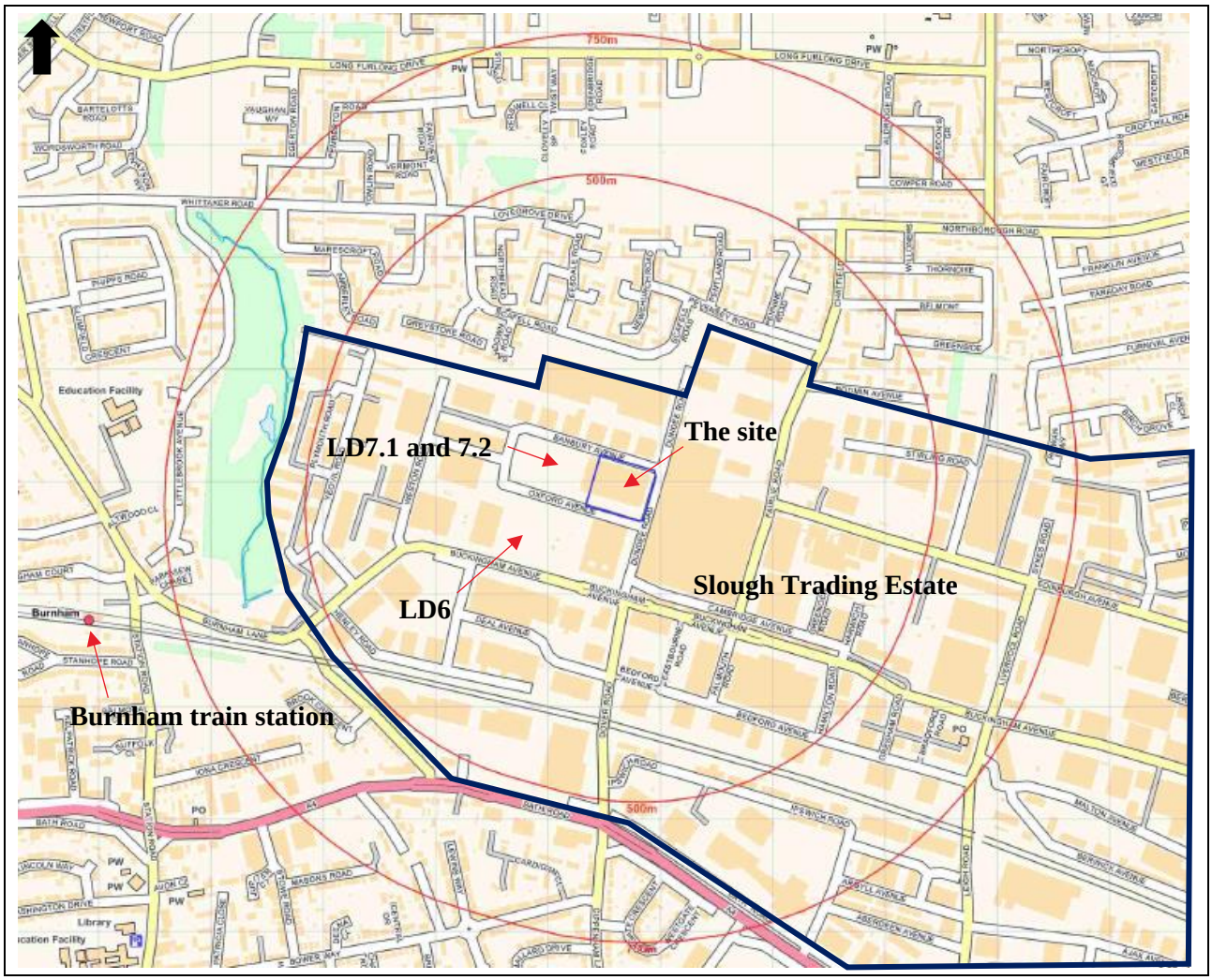
This report does not present a survey or assessment of the location, condition or liabilities associated with hazardous materials in the building fabric and the implications of those hazardous materials. Arup has not carried out a survey of hazardous materials in the buildings, for example asbestos containing materials or lead, as part of this assessment. This report does not assess geotechnical constraints and hazards.

2. The site

2.1 Site location

The site is located in the northwestern part of the Slough Trading Estate, approximately 3.2km northwest of Slough town centre. The site is bounded by Banbury Avenue to the north, Dundee Road to the east, Oxford Avenue to the south and the LD7 site to the west. The LD7 site is undergoing redevelopment by Equinix to provide a three storey data centre which was permitted under the SPZ. Construction of LD7.1 was completed in 2019 and construction of LD7.2 is nearing completion. The site location is illustrated in Figure 1.

Figure 1 Site location plan



2.2 Site description and current site use

The site is square in shape and approximately 1 hectare in size. The topography of the site is broadly flat, with an approximate elevation of 33m above ordnance datum (mOD). A site reconnaissance survey was undertaken by an Arup contaminated land consultant on 16 September 2022 to assess the current site use. Access was granted to all internal and external areas. A site layout plan is included as Drawing 1 and photographs are included as Appendix B.

The site comprises a detached two storey building, which is subdivided into five industrial units (bays 9 to 13, from west to east). The current uses of each unit are summarised in Table 1. The bays have an almost identical internal layout, comprising two storey office space at the front and a large double height warehouse at the rear. Each bay has a separate external loading bay and vehicle parking area to the south, with individual vehicular access onto Oxford Avenue. The rear external areas of each bay are separated by a brick wall or palisade fencing (between bays 11 and 12). Vehicle parking is also present at the front of the

building, adjacent to Banbury Avenue, and to the east, adjacent to Dundee Road. Drains are located at the front and rear within the parking areas. An electricity substation is adjacent to the east of the building.

Table 1 Summary of current site use

Bay no.	Current occupier	Current use and observations
9	Laing O'Rourke Limited	The office area at the front of the building is used for site offices and welfare provision for construction workers of the adjacent LD7 site. The warehouse and outside areas are used for the storage of construction materials and plant, including generators, a mobile elevating lifting platform, reels of cable, ladders, bins, fence panels and metal sheeting. A small area inside the warehouse is used for the storage of sodium hydrochloride containers and paint on wooden pallets. A small area of black staining was observed on the hardstanding to the rear of the building, which is likely to be a small oil leak from a vehicle or plant. A narrow strip of soft standing was present along the western boundary.
10	Mercury Limited	The warehouse and outside areas are used for the storage of construction materials for the adjacent LD7 site, including fence panels, wooden pallets, reels of cable and metal sheeting and bins.
11	Vacant	All internal and external areas are vacant. The unit was formerly occupied by Barry Controls Limited. Signage indicates that the warehouse was formerly used for assembly, spot welding, storage and packing of products for the control of vibration, shock and noise.
12	Vacant	Internal areas are mostly vacant apart from storage of some office furniture and homeware (eg chairs, desks, exercise equipment) and a former (empty) COSHH cabinet. External areas are vacant. The unit was formerly occupied by Mega-Pak Limited, a packaging materials manufacturer.
13	Vacant	All internal and external areas are vacant. The unit was formerly occupied by Hutchinson Stop-choc Limited for the design, development and production of illuminated display panels, anti vibration mounts and electronics racking. Signage indicates that a paint shop and paint store were present in the southwest corner. Pigeons (both alive and dead) and their droppings were observed within the warehouse area. Evidence of a former square structure was observed to the rear of the building in the northwest corner of the loading bay. A review of Google Maps and the Street View imagery from November 2020 shows two storage units for flammable materials in this area.

Most external areas are surfaced with hardstanding (asphalt or concrete), except for the parking area to the east which is surfaced with gravel. The hardstanding inside the warehouse and within external areas was noted to be in generally good condition. Some minor cracks were observed within the concrete in the rear outside areas along the route of the drains. Soft landscaping is present at the northern and southern ends of the eastern boundary and along the northern boundary; this mostly comprises grass with some trees and hedgerows. A narrow strip of soft standing is present along the western boundary in the south of Bay 9.

2.3 Surrounding area

The site is located within the Slough Trading Estate which is owned and managed by SEGRO Plc. It typically comprises single and two storey commercial and industrial buildings, as well as the Slough Heat and Power Plant (approximately 320m east of the site).

The closest current industrial land uses identified in the Groundsure report include:

- Robert Walpole and Partners – structural engineers (approximately 70m west);
- electricity substations (the closest are approximately 95m north and southwest);
- John Crane UK Ltd – production of seals, tapes, taps and vales (approximately 105m south);
- Mars Chocolate UK Ltd – baking and confectionary (chocolate factory) (approximately 110m southeast);
- Europcar – vehicle hire and rental (approximately 200m south); and

- Engineering Support Solutions UK Ltd – mechanical engineers (approximately 240m west).

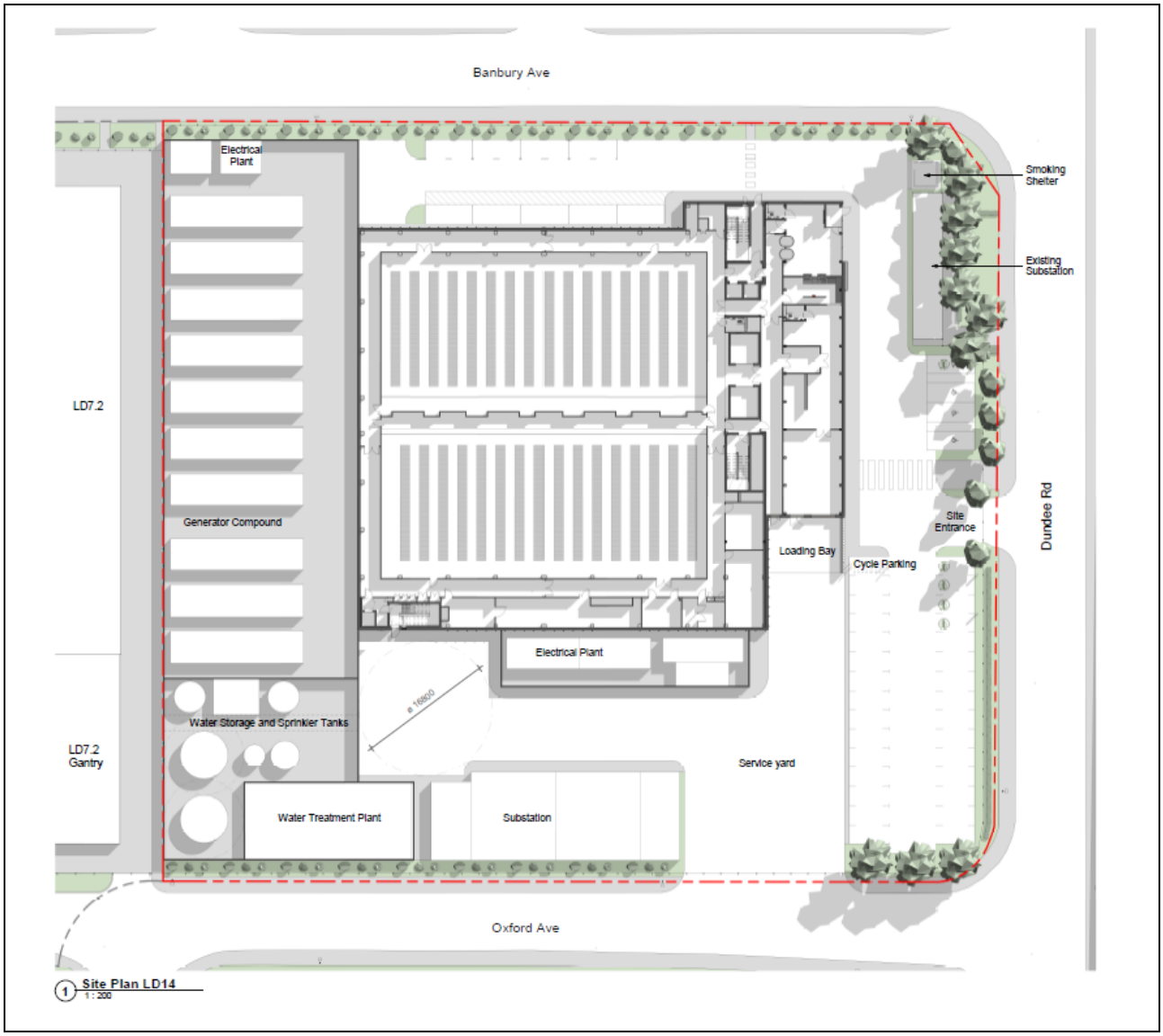
Within 250m of the site, there is one current licensed industrial activity for the treatment and processing of animal raw materials intended for food, and for the disposal of non-hazardous waste involving chemical treatment, associated with Mars UK Ltd (110m southeast). There is one current permit (Part B) for coating processes associated with Wartsila Propulsion (200m west).

The closest licensed waste site is Fibre Fuel Limited (approximately 310m east) which is listed as a physical treatment facility. The closest active or recent landfill is a household, commercial and industrial waste landfill, located approximately 480m north of the site at Kennedy Park. There are four waste exemption records within 250m of the site, for storage of waste in a secure place or in secure containers, use of waste in construction, sorting mixed waste and manual treatment of waste.

2.4 Proposed development

The proposed development comprises the demolition of the five bays and the construction of a five storey data centre building, with additional height to accommodate electrical plant on the roof level. The data centre building will contain data halls, offices, support facilities and plant rooms. No basement is proposed. The external areas will include diesel backup generators, a new substation, water storage silos and a water treatment plant, a service yard and small areas of soft landscaping along the northern, western and southern boundaries which will likely include some retained trees. The existing substation will be retained. The proposed development is illustrated in Figure 2.

Figure 2 Proposed site layout



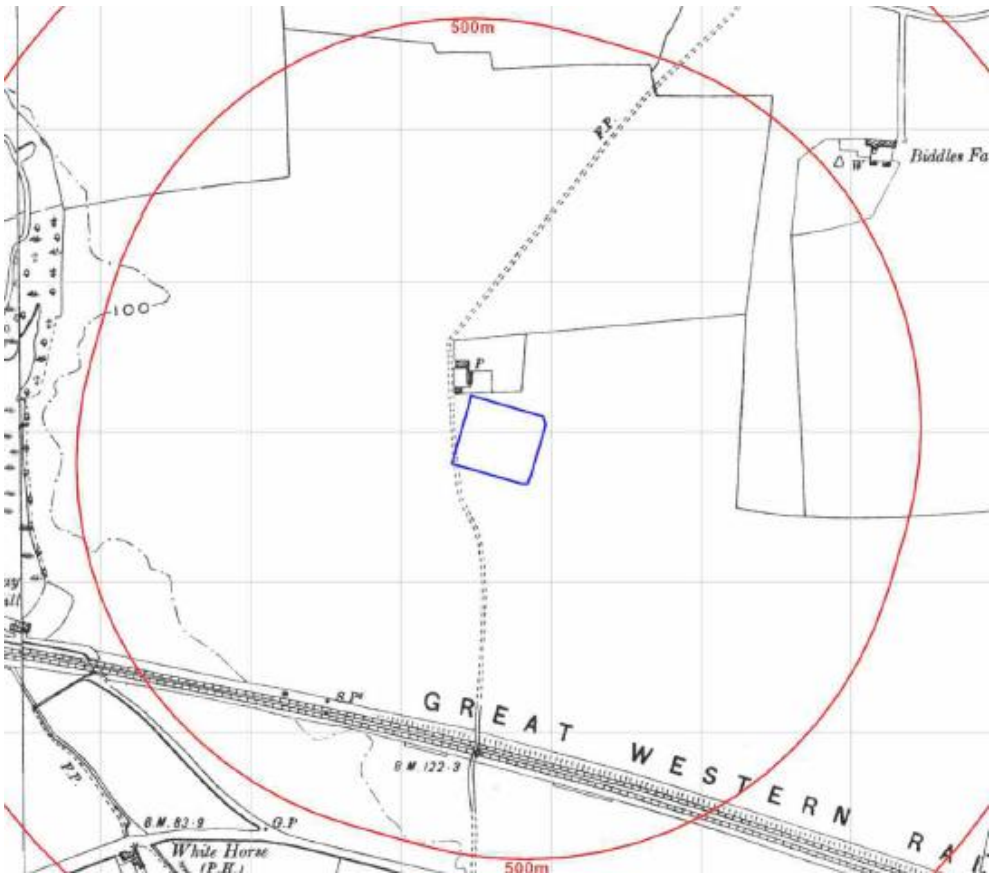
Extract from Reid Brewin Architects drawing LD140-RBA-00-ZZ-DR-A-SITE-1004

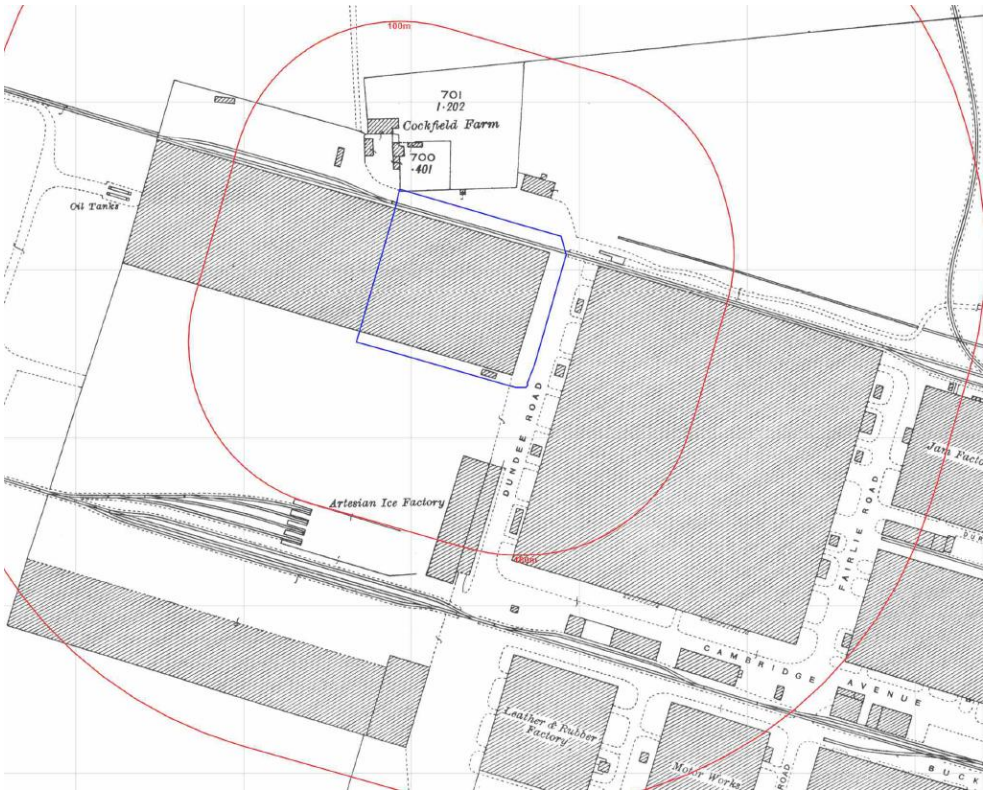
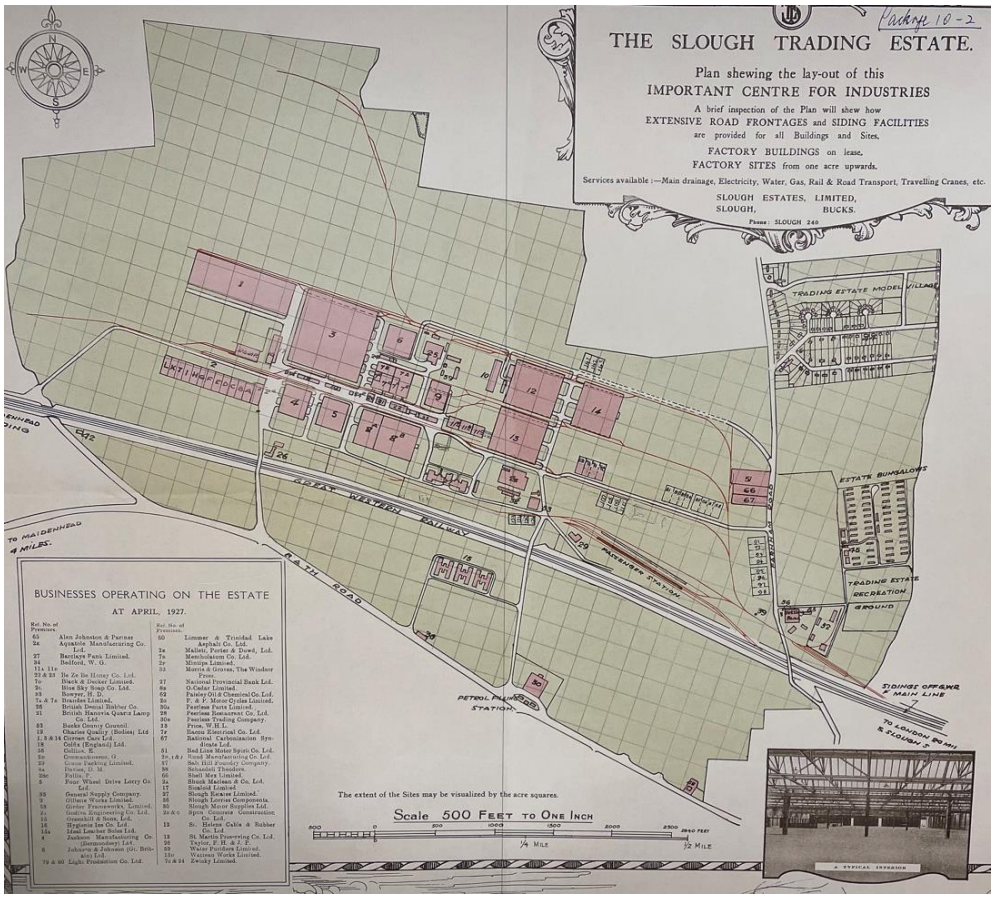
3. Historical land uses

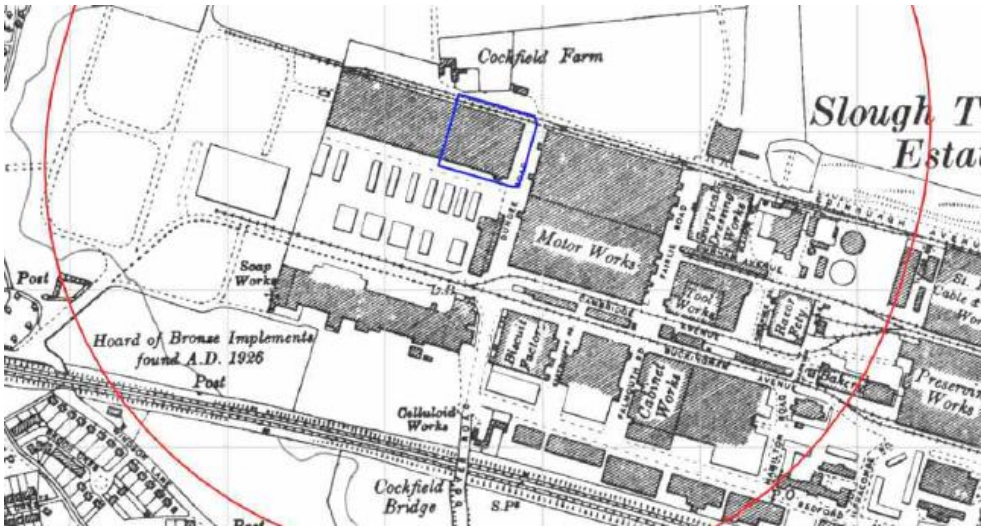
3.1 Site history

A review of historical maps and plans in the Groundsure report and at Berkshire Record Office and Slough Museum has been undertaken and the findings are summarised in Table 2. The table presents the general land uses identified onsite and within the surrounding area, and shows the site boundary in blue.

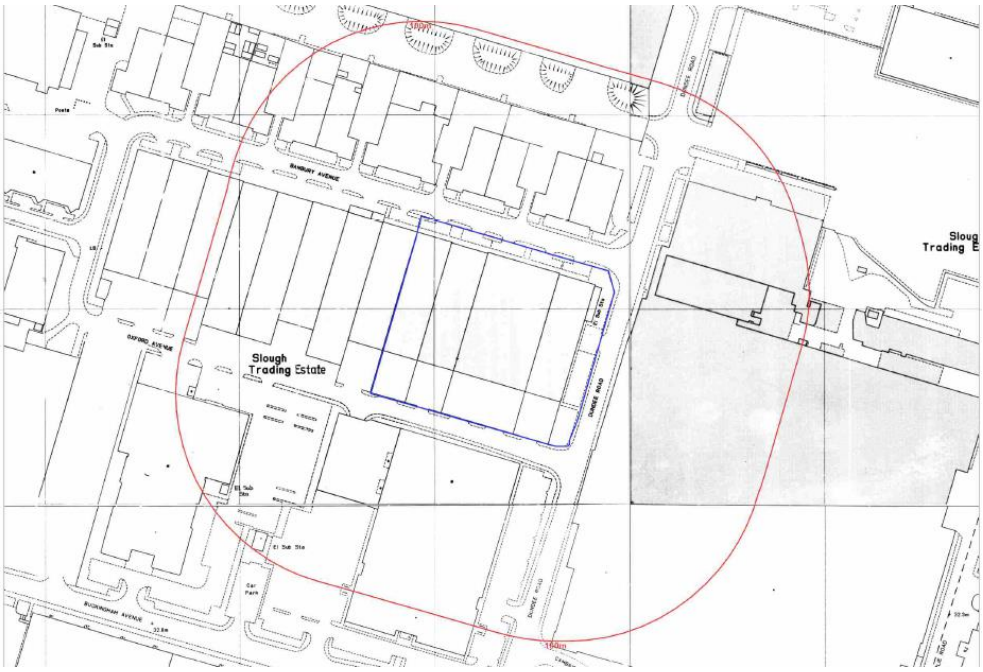
Table 2 Summary of site history

Map extract	Description
 1897 OS map 1:10,560	Pre-1882 to 1924 **Onsite:** The site is undeveloped and comprises agricultural fields. **Offsite:** The surrounding area is predominately undeveloped and comprises agricultural fields. Buildings associated with Cockfield Farm are adjacent to the north and the Great Western Railway line is present approximately 350m to the south.

Map extract	Description
 1924 OS map 1:2,500	**1924 to 1932** **Onsite:** Most of the site is occupied by an industrial building which extends offsite to the west (including current LD7 plot). It is part of the Slough Trading Estate. The 1927 Slough Trading Estate layout plan (viewed at Slough Museum) shows that the building is used by Citroen Cars Ltd. A railway line is present in the north which extends offsite to the east and northwest with associated sidings which may encroach onto the site. **Offsite:** Slough Trading Estate has been constructed and extends offsite to the east and south. It comprises various factories, works, a fire station, railway lines and sidings. The closest land uses include an ice factory (Hygienic Ice Co. Ltd), motor works (Citroen Cars Ltd and Four Wheel Drive Lorry Co. Ltd), leather and rubber factory, jam works and electricity works. Oil tanks are present approximately 150m to the west and railway sidings approximately 100m to the south.
 The Slough Trading Estate, April 1927	

Map extract	Description
 1938 OS map 1:10,560	**1932 to 1954** **Onsite:** No significant changes in layout. **Offsite:** The Slough Trading Estate has expanded. Land uses within 250m now include soap works, electric lamp works, engineering works, motor works, printing ink works, chewing gum works and a biscuit factory. Slough Power Station is approximately 400m east.
 1954 OS map 1:1,250	**1954 to 1969** **Onsite:** The building onsite is divided into four units. From west to east, these comprise a wire fabric engineering works, general engineering works, die-casting and metal works, and steel heat treatment engineering works. An electricity substation is present in the north east. **Offsite:** Adjacent to the west, the industrial units are occupied by general engineering works, battery works, transport depots, a warehouse, insulation works and electrical works. A paint works, metal container works and a magnetic recording tape factory are present to the south of Oxford Avenue. A sweet factory is present to the east of Dundee Avenue and a foundry is present to the north. A tank associated with an ice factory is located approximately 50m to the south.

Map extract	Description
 1969-1973 OS map 1:1,250	**1969 to 1981** **Onsite**: The units are now occupied by an automatic plating works, metal engineering works and reinforced concrete works. The railway lines in the north are no longer present. **Offsite**: The onsite reinforced concrete works extends offsite to the west. Banbury Avenue is present adjacent to the northern boundary with a joinery, engineering works, warehouse and printing works beyond, replacing the former farm buildings and foundry. By the mid 1970s, residential properties have been constructed approximately 400m to the northwest (not visible on the map extract included).
 1981-1984 OS map 1:1,250	**1981 to 1984** **Onsite:** The four industrial units are labelled 'Works'. Western-most unit (former concrete works) has been reconfigured reducing the building area and providing larger external space in the south. **Offsite:** The trading estate has expanded further to the north and a large warehouse has been constructed approximately 100m north, with residential properties beyond to the north and northwest. Buildings within the trading estate are now labelled as unspecified works, warehouses or factories. The ice factory 50m to the south is identified as a cold store.

Map extract	Description
 1998-1993 OS map 1:1,250	**1984 to 2012** **Onsite:** The three eastern most units have been reconfigured (copying previous changes to western unit) reducing building footprint and providing additional vehicle parking/ service yards in the south. **Offsite:** The smaller industrial units to the south of Oxford Avenue have been demolished and two new commercial buildings constructed.
 2019 Aerial photography	**2012 to present day** **Onsite:** The site is divided into five bays, instead of the previous four. **Offsite:** Buildings to the southwest (LD6) and west (LD7) have been demolished and data centres have been constructed in their place. Construction of LD7.1 was completed in 2019 and the construction of LD7.2 (immediately adjacent to the west) is nearing completion.

3.2 Historical industrial land uses

The Groundsure report identifies various past industrial land uses both onsite and in the surrounding area, many of which have been described in section 3.1. In addition to those identified on the maps, historical land uses in the surrounding area (within 250m) include, three records of unspecified heaps and oil tanks (160m west).

There are five individual records for historical tanks within 250m (including the oil tanks identified above). The closest is an unspecified tank approximately 50m south, which is likely to be the tank associated with

the ice factory in the 1950s/ 60s. There are no documented historical petrol stations or garages within 250m of the site. There is one record of a historical garage (motor service depot) approximately 350m south.

There are no historical landfill records within 250m of the site. The closest historical landfill is 450m north at Northborough Road and is recorded as having accepted inert, industrial and commercial waste from 1960 until 1984. It has since been redeveloped as Kennedy Park Recreation Ground. The second closest landfill is 460m northeast at Pennine Road and is recorded as having accepted inert and industrial waste from 1960 until 1970. It has since been redeveloped for residential housing. No further details are available.

3.3 Planning records and regulatory information

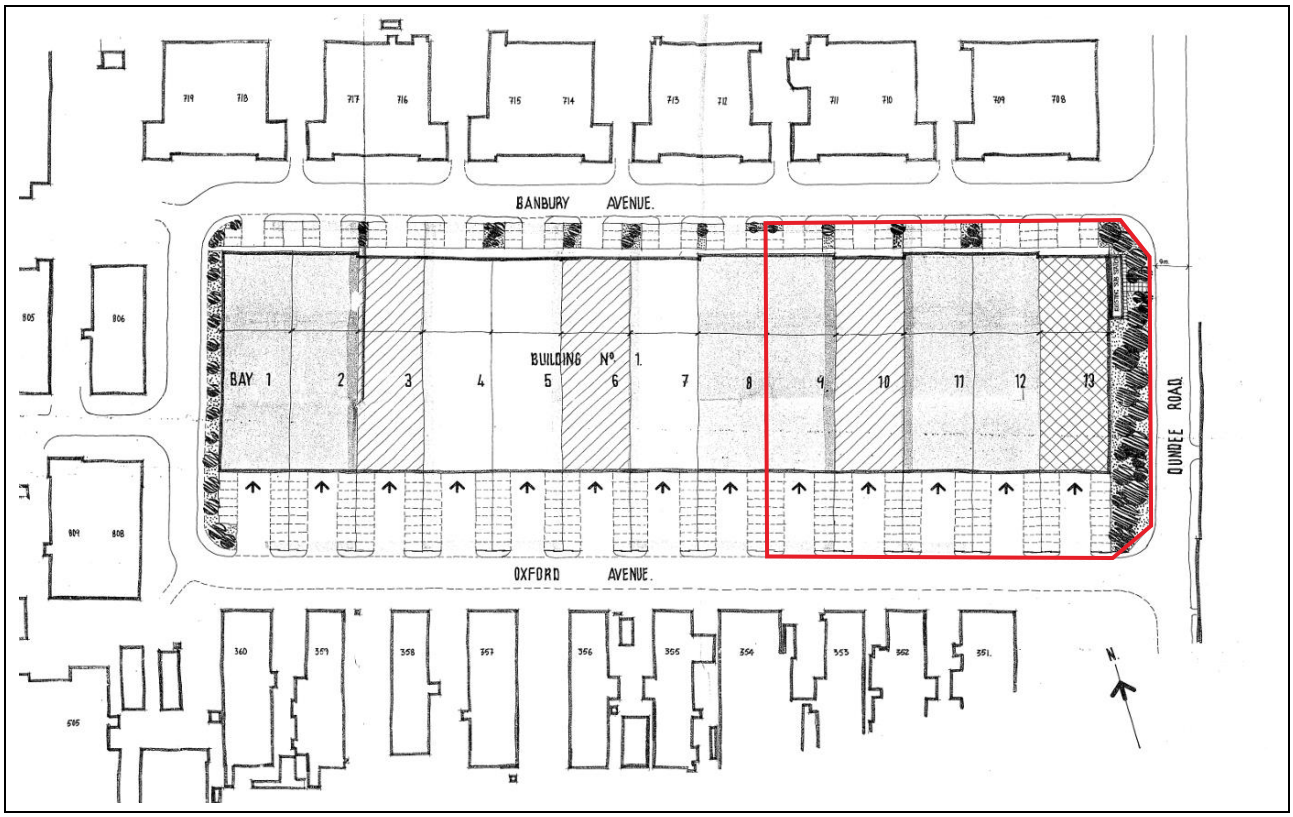
3.3.1 Planning applications

Historical planning records were reviewed on the Slough Borough Council website [22] to identify further potential sources of contamination or pertinent environmental information. A summary of the relevant onsite planning history is provided below:

- P/05688/000 Partial demolition & erection of new 2 storey office blocks facing Banbury Avenue & refurbishment of existing factory (December 1980, Building No. 1 Bays 11 and 12).
- P/00256/001 Refurbishment & part reconstruction of existing industrial unit to provide ancillary office & wc accommodation (February 1985, Building No. 1 Bay 13).
- P/04742/001 Redevelopment of existing industrial units to provide industrial units with ancillary office & toilet accommodation (April 1985, Building No. 1 Bays 3, 6 and 10).

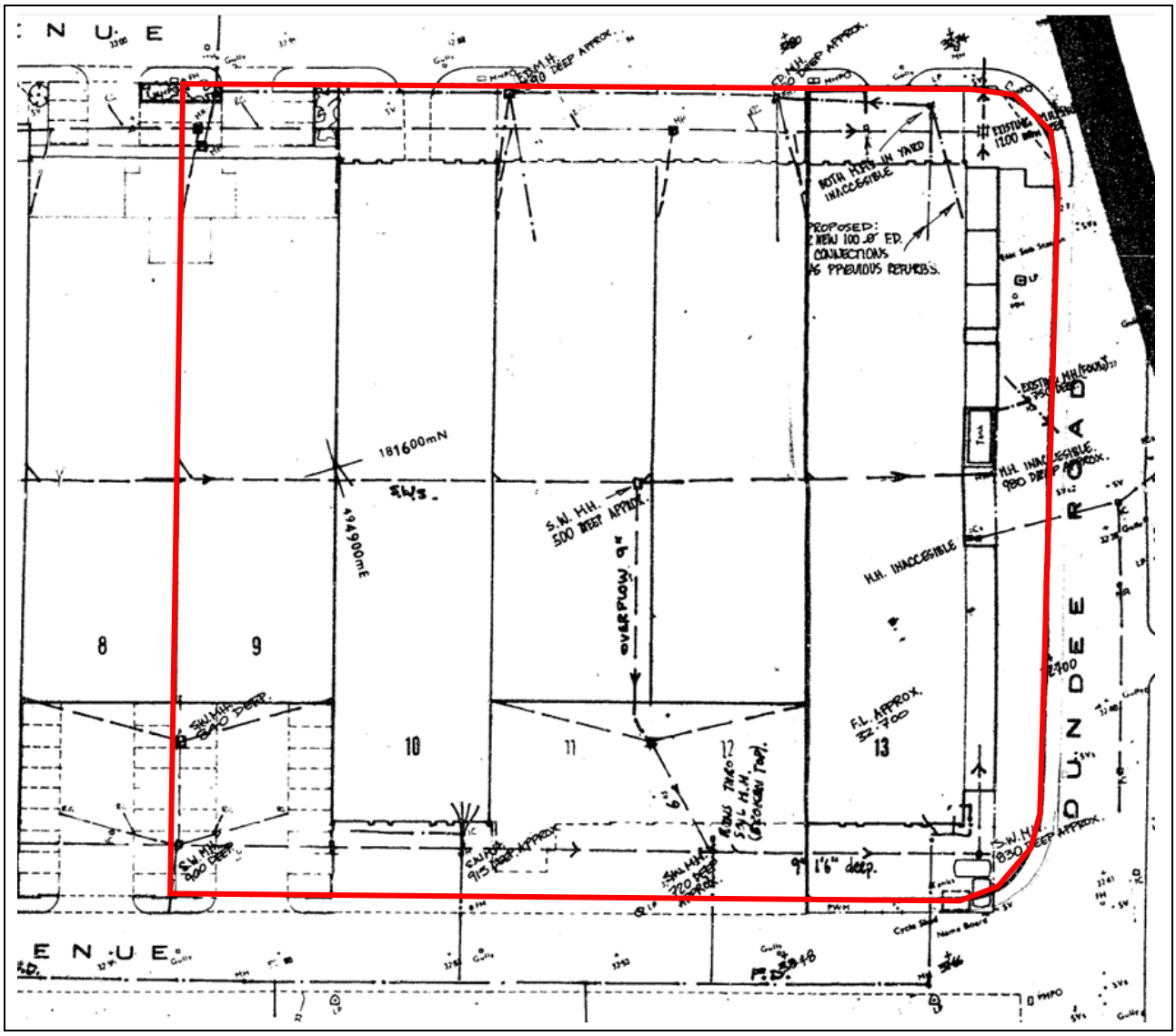
The above planning applications indicate that the site comprises bays 9 to 13 of 'Building No. 1'. Partial demolition and refurbishment of the bays to provide office floorspace (in the north adjacent to Banbury Avenue), warehouse/ factory floorspace and a yard and car park (at the rear adjacent to Oxford Avenue) was undertaken in the 1980s. A site layout plan from November 1984 is presented as Figure 3. The historical maps presented in section 3.1 suggest that reconfiguration of bay 9 was completed first, and the other bays completed soon after.

Figure 3 Site layout plan (1984)



Planning permission P/00256/001 for the refurbishment of Bay 13 included a requirement from Slough Borough Council for oil trap gullies to be installed in the car park surface water drainage system at the front and rear of the bays and to the east of bay 13. An extract from the drainage plan dated 1984 and included with the planning application documents is presented as Figure 4. The plan also appears to show an external tank adjacent east of bay 13.

Figure 4 Drainage plan (1984)



3.3.2 Slough Borough Council correspondence

The Contaminated Land Officer at Slough Borough Council was contacted for information regarding previous historical land uses and potential for contamination at the site. A response had not yet been received at the time of issue of this report.

3.3.3 Environment Agency correspondence

During redevelopment works at the adjacent LD7.2 Plot 8, Arup consulted with the EA to report the findings of groundwater monitoring that was completed before, during and after piling works. In their letter [30], the EA notes that many of groundwater abstractions in Slough are from Lower Greensand, including the closest abstraction to LD14. They speculate that this be at least partly attributable to "poor water quality in both the gravel and chalk aquifers". Despite their current poor quality and absence of abstractions, the EA refers to the requirements of the Water Framework directive and the objective of bringing the gravel and Chalk aquifers back to good status. The response received from the EA is included within Appendix D.

3.4 Unexploded ordnance

The Zetica unexploded ordnance (UXO) risk map [9] indicates the site to be within an area of moderate risk, defined as areas having a bombing density of 15 to 49 bombs per 1000 acres.

4. Environmental setting

4.1 Ground conditions

A summary of the anticipated ground conditions at the site is presented in Table 3. This is based on British Geological Survey (BGS) maps, historical BGS borehole logs, and previous ground investigation undertaken nearby (LD7 site in 2017 [10], LD7.2 Plot 8 site in 2020 [11], and the Slough Trading Estate groundwater monitoring programme in 2022 [12]). Further details of these ground investigations are provided in Section 5 and the locations are illustrated on Drawing 2.

Table 3 Summary of anticipated ground conditions

Stratum	Depth to top (m bgl)	Elevation of top (mOD)	Thickness (m)
Made Ground	0	+33.6 to +31.5	0.30 to 1.50
Langley Silt Formation	0.30 to 1.50	+33.0 to +31.2	2.10 to 8.90
Taplow Gravel Member*	3.30 to 9.50	+31.5 to +23.8	0.50 to 4.80
Lambeth Group**	9.50	+23.8	1.2*
Seaford and Newhaven Chalk Formation (undifferentiated)	4.20 to 10.7	+28.85 to +22.56	~200
* Locally absent ** Encountered in one location (BH02) in the western corner of the LD7 site. May be absent onsite			

4.1.1 Made Ground

Due to several phases of historical development, Made Ground is anticipated to be encountered across the site, but is likely to be variable in consistency and depth. The Made Ground encountered onsite during drilling of the groundwater monitoring boreholes in 2022 typically comprised brown or dark brown slightly clayey slightly gravelly sand overlying soft to firm orangish brown slightly sandy gravelly clay. The gravel comprised flint, brick and concrete.

4.1.2 Superficial deposits

BGS maps indicate the superficial deposits at the site comprise the Langley Silt Formation overlying the Taplow Gravel Member. The Langley Silt has typically comprised orangish brown or greenish grey sandy clay, and the Taplow Gravel Member has typically been described as orange and yellow sandy gravel of flint or firm brown to orange brown sandy gravelly clay. The Taplow Gravel was not encountered in the northeast of LD7 during the previous ground investigation in 2017 (BH03) or in the south of LD7.2 in 2020 (BH202).

4.1.3 Bedrock geology

BGS maps indicate the Lambeth Group to be present overlying the Chalk formation. However, the Lambeth Group has only been recorded in one location in the western corner of LD7 and is likely to be absent on the LD14 site. Where encountered in LD7, the Lambeth Group comprised soft to firm grey to light brown silty clay.

The thickness of the Chalk has not been proven during recent onsite and offsite ground investigations. The Chalk has been described at the top as structureless Chalk comprising gravel sized chalk fragments within a sandy silty putty matrix, becoming moderately weak to medium density white or creamy white Chalk.

The Chalk has been proven in offsite historical BGS boreholes; the closest of which are approximately 360m northwest (reference SU98SW53) and 380m southeast (reference SU98SE53). The Chalk was encountered in these locations to between 190m and 220m (approximately 183m to 211m thick) and was underlain by a sequence of the Upper Greensand Formation, Gault Clay and Lower Greensand Formation.

4.1.4 Radon

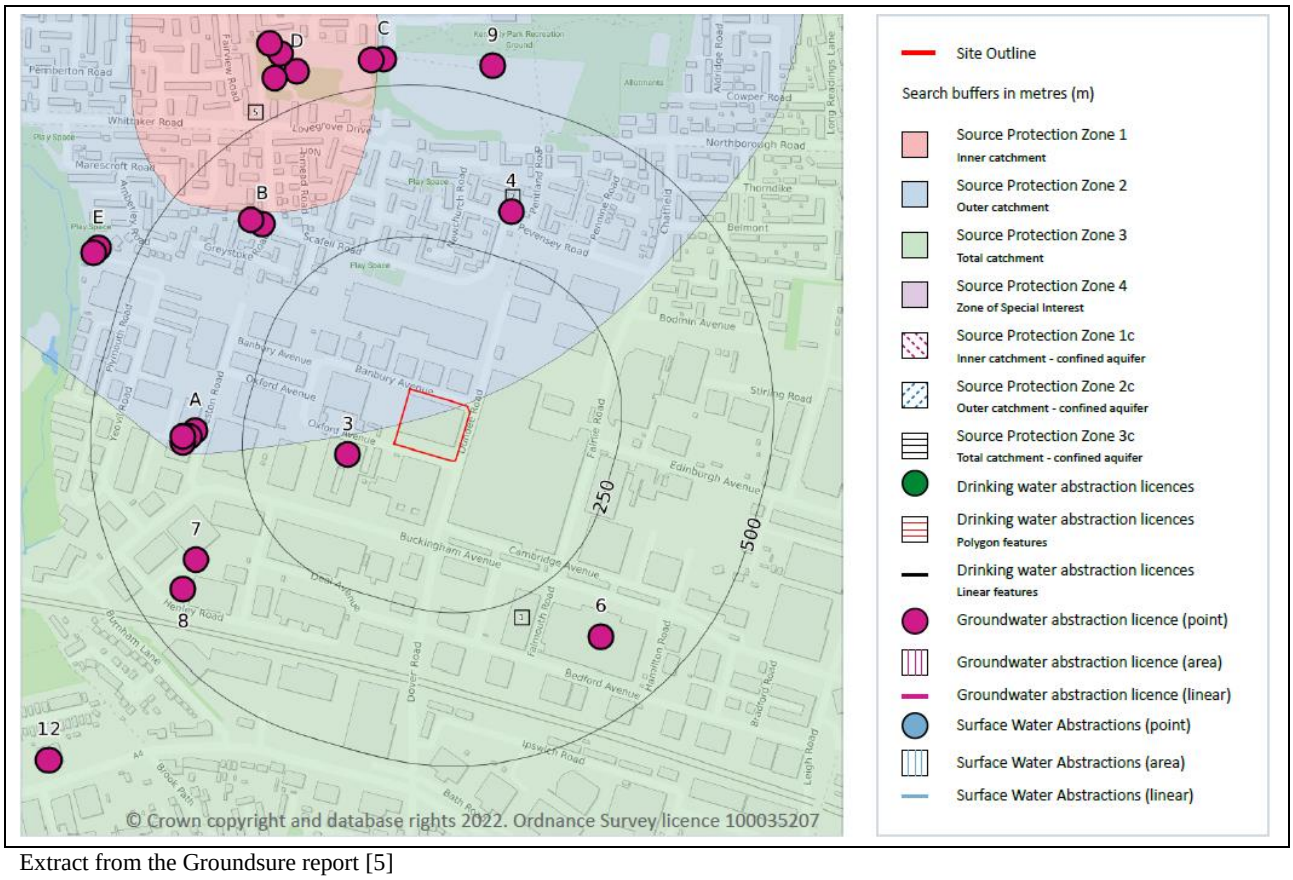
The Groundsure report states that the site is within a lower probability radon area, where less than 1% of homes are estimated to be at or below the action level. The report states that no radon protection measures are necessary in the construction of new buildings in these areas.

4.2 Hydrogeology and hydrology

The Taplow Gravel Member is designated as a principal superficial aquifer. The lower granular layers of the Lambeth Group (if present) are designated as a secondary A bedrock aquifer and the Chalk is designated as a bedrock principal aquifer. The Langley Silt and upper cohesive layers of the Lambeth Group (if present) are designated as unproductive strata.

The whole site is within a groundwater source protection zone 3 (total catchment) and the northwest of the site is also within a source protection zone 2 (outer catchment). A source protection zone 1 (inner catchment) is present from 330m to the north. The closest active groundwater abstraction licence is located approximately 80m west for the purpose of evaporative cooling (at LD6). The locations of active and historical groundwater abstraction licences and source protection zones within 800m of the site are illustrated in Figure 5. The source of the groundwater abstractions is defined as 'Thames Groundwater' in the Groundsure report. As discussed in section 3.3.3 Arup have been informed by the EA [30] that many abstractions in and around Slough, including the abstraction closest to the site (labelled 3 in Figure 5) are from the Lower Greensand. There are no recorded groundwater abstractions for potable water within 2km of the site.

Figure 5 Groundwater abstractions and source protection zones



Extract from the Groundsure report [5]

During previous ground investigations (described later in Section 5), groundwater strikes were recorded at the top of the Chalk at depths ranging from 4.2m to 10.7m bgl (22.56m to 28.35mOD). The resting groundwater level in the historical BGS borehole 360m northeast was approximately 11m bgl (20.7mOD) when measured in the 1960s. Due to the absence of the cohesive Lambeth Group, there is likely to be a high degree of hydraulic conductivity between the upper Taplow Gravel aquifer and the deep Chalk aquifer.

The groundwater flow direction beneath the adjacent LD7 site has been inferred to be from northeast to southwest. It is anticipated that the groundwater flow direction beneath LD14 will be the same. Perched

groundwater may be present within the Made Ground and Langley Silt, associated with lenses of more permeable material. It is unlikely to form a hydraulically continuous groundwater body beneath the site.

There are no surface water features within 500m of the site and no recorded substantial pollution incidents within 250m of the site.

4.3 Sensitive environmental land uses

There are no sensitive environmental land uses such as Sites of Special Scientific Interest (SSSI), Ramsar sites, Special Areas of Conservation (SAC), Special Protection Areas (SPA), National Nature Reserves (NNR) or Local Nature Reserves (LNR) within 500m of the site.

5. Previous ground investigation and monitoring

5.1 Introduction

A summary of the previous ground investigations, monitoring and assessment undertaken onsite and across the adjacent LD7 site is provided below. The locations are illustrated on Drawing 2.

5.2 LD7.1 and LD7.2 (2017)

5.2.1 Scope

Concept undertook a ground investigation of LD7.1 and LD7.2 in early 2017, comprising the drilling of four cable percussion boreholes to 35m bgl and 17 dynamic sampling boreholes to 8.4m bgl, gas and groundwater monitoring and geoenvironmental testing. Thirteen boreholes were installed with 50mm groundwater monitoring standpipes, of which eight were in the Made Ground and/ or Langley Silt, three in the Taplow Gravels and two in the Chalk.

A second ground investigation was undertaken in mid-2017 by Erith as part of the enabling works. This involved breaking out concrete slabs with an over dig to 3m bgl to identify potential contamination and obstructions.

The findings are presented in the following reports and are summarised below:

- Concept (2017) Site Investigation Report, LD7 Data Centre (prepared for Equinix) [10];
- Arup (2018) Ground Contamination Interpretative Report (prepared for Equinix) [13]; and
- Arup (2018) Review of Groundwater Monitoring Results Pre, During and Post Piling file note (prepared for Equinix) [14].

5.2.2 Findings

Soil

Soil contaminant concentrations recorded during the investigation and enabling works were typically very low, and none were recorded above the commercial generic assessment criteria (GAC). Evidence of contamination (hydrocarbon odours and black staining) was reported at two locations during the first investigation, adjacent to the northern boundary of the site, associated with two disused underground tanks. The tanks and most surrounding impacted soils were subsequently removed during the enabling works. Soil validation samples were collected from the sides and base of the excavations and recorded low concentrations of petroleum hydrocarbons.

Asbestos fibres were identified in four of the 22 Made Ground samples analysed during the first phase of ground investigation. A maximum concentration of fibres (chrysotile and amosite) of 0.659% was detected in shallow soil (0.2m bgl) in the south-west corner of LD7.1 (BH2). A quantifiable concentration of 0.008% chrysotile and amosite was also recorded (at 0.2m bgl) in the north-west corner of the plot (WS03). The two other positive detections of chrysotile (of <0.001%) were recorded in the southwest (BH02 at 1.0m bgl) and northwest of the plot respectively. During the enabling works, asbestos containing materials (ACMs) were encountered in four areas, as described below:

- chrysotile in the form of cement sheeting and vinyl tiles in the east immediately beneath the concrete slab. In some areas this was bonded to the overlying slab but most was loose in soils. The quantity of visible ACM was low and confined to the upper surface of the sub base and soils;
- two areas in the southwest near an old footing of amosite board and some lagging; and
- chrysotile cement sheeting within Made Ground in the northwest.

Where asbestos was encountered, each area was cordoned off and soils containing ACM were excavated and stockpiled. An asbestos specialist from Erith attended site in August 2017 to handpick ACM from the stockpile for offsite disposal.

Groundwater

Samples of groundwater were collected from five standpipes over three monitoring rounds between 14 March and 7 April 2017. Six samples of groundwater were collected and analysed from three standpipes (BH01, BH02 and BH5A) installed in the Taplow Gravels. Three samples of groundwater were collected and analysed from two standpipes (BH03 and BH04) installed in the Chalk.

Concentrations above water quality standards (WQS) were recorded for manganese, mercury, vanadium and ammoniacal nitrogen in samples from the Taplow Gravels, whilst in samples from the Chalk only ammoniacal nitrogen exceeded WQS. The results were considered to be fairly typical of an urban / industrial setting and a low risk to groundwater was identified. Some elevated hydrocarbon concentrations were recorded in the Taplow Gravels and the Chalk in BH5A (approximately 80m west of the LD14 site). The highest concentrations were for aliphatic fractions with a maximum total aliphatic concentration of 19mg/l. The aliphatic fraction concentrations >C_{10} to C_{12}, >C_{12} to C_{16} and >C_{16} to C_{21} were several orders of magnitude above the theoretical solubility limits. The hydrocarbon contamination was considered likely associated with the disused underground tanks which were subsequently removed during the enabling works.

Arup prepared a foundation works risk assessment (FWRA) for LD7 [15] which was informed by the findings of the above ground investigation. Due to the elevated hydrocarbon concentrations encountered in BH5A, the EA requested that additional groundwater monitoring be completed before, during and after piling at the site. Two new groundwater monitoring wells were installed downgradient of BH5A; one with a standpipe in the Taplow Gravels (BH5B) and one with a standpipe in the Chalk (BH5C). Five rounds of monitoring were undertaken, from BH5B and BH5C, during and after piling works and no evidence of non-aqueous phase liquid (NAPL) or dissolved hydrocarbons were identified in groundwater samples.

Ground gas

Low concentrations of methane (typically <0.1%) and carbon dioxide (typically ranging from <0.1% to 2.3%) and very low gas flow rates (<0.1 l/hr to 0.2 l/hr) were detected in the monitoring wells. Slightly higher (but still low) concentrations of methane (up to 1.9%) and carbon dioxide (6.7%) were recorded in WS09. These readings were considered likely to be erroneous due to interference from hydrocarbon vapours associated with the disused tanks. The site was assessed as Characteristic Situation (CS) 1 (very low risk) which requires no gas protection measures.

5.3 LD7.2 Plot 8 (2020)

5.3.1 Scope

Delta Simons undertook a ground investigation on the LD7.2 Plot 8 site, immediately adjacent west of LD14, in 2020, comprising the drilling of two cable percussion boreholes to depths of 7m bgl and 16.2m bgl and three dynamic sampling boreholes to depths of between 2.6m and 4.45m bgl, mechanical excavation of three trial pits to 2.5m bgl, gas and groundwater monitoring and geoenvironmental testing.

The two boreholes were installed as groundwater monitoring wells, with response zones in the Chalk. A second shallower response zone was also installed within the Taplow Gravel in the northern borehole (BH201). Two groundwater monitoring visits were undertaken and groundwater samples collected and submitted for laboratory analysis for a range of contaminants.

Following the ground investigation, Laing O'Rourke were contracted to undertake enabling works, comprising demolition and site clearance works. All existing surface features within the works area including the building slab, hardstanding and other obstructions were broken out or excavated and disposed of offsite. An overdig of 0.5m was undertaken across the site for clearance of obstructions and to remove all Made Ground. The site was then backfilled with imported material that had been validated prior to use. Further enabling works were undertaken by Mercury Engineering in October 2020.

The findings are presented in the following reports and are summarised below:

- Delta Simons (2020) Factual Ground Investigation Report (prepared for Laing O'Rourke Construction) [11];
- Arup (2020) LD7.2 Plot 8 Foundation Works Risk Assessment (FWRA) Addendum (prepared for Equinix) [17];
- Arup (2021) Pre, During and Post Piling Groundwater Monitoring at LD7.2 Plot 8, Slough letter, (prepared for Equinix) [20]; and
- Delta Simons (2021), LD7.2, Plot 8, Underground Storage Tank Validation Report (prepared for Mercury Engineering) [21].

5.3.2 Findings

Soil

Contaminant concentrations recorded during the investigation were typically very low and none were recorded above the commercial GAC. No visible evidence of potential gross contamination was observed during the investigation. Asbestos was encountered in two of the 16 samples of Made Ground analysed during the investigation. Chrysotile fibres were detected at concentrations of <0.001% in samples from BH202 at 0.3m bgl in the south and TP201 at 0.2m bgl in the north.

During the enabling works undertaken by Laing O'Rourke, ACM was encountered in two areas comprising lagging and corrugated roof sheeting around a ground beam in the north and tiling in the south. The ACM and surrounding soils were subsequently excavated and disposed of offsite.

During the further enabling works undertaken by Mercury Engineering, two previously unidentified storage tanks were encountered on the northern boundary. The tanks were excavated and Delta Simons attended site to obtain soil validation samples from the sides and base of the excavation.

Groundwater

Samples of groundwater were collected from four standpipes (BH201S, BH201D, BH202 and WS201) on 17 March and 2 April 2020.

Elevated concentrations, above WQS, of some volatile organic compounds (VOC), indicative of chlorinated solvent contamination, were recorded within groundwater samples obtained from the Chalk and Taplow Gravel. The highest concentrations recorded were of tetrachloroethene (PCE) within the Chalk in the northern borehole (maximum 2,820 µg/l). PCE was also detected in the Taplow Gravels in the same borehole, at lower but still elevated levels (maximum 957 µg/l). PCE was encountered in the Chalk in the southern borehole, but at concentrations an order of magnitude lower (maximum 165 µg/l). Other VOC compounds recorded in the groundwater included trichloroethene (TCE) (maximum 97.8 µg/l in the Taplow Gravel), trichloroethane (TCA) (maximum 502 µg/l in the Chalk), trichloromethane (TCM) (maximum 393 µg/l in the Chalk) and dichloroethanes/ethenes (DCA/ DCE) (maximum 158 µg/l in the Chalk). Generally, concentrations of chlorinated solvents in the Chalk were much lower during the second monitoring round, when only two constituents (PCE and TCM) were recorded at concentrations exceeding WQS. Within the Taplow Gravel, concentrations of DCA and TCM were recorded at higher concentrations during the first round of monitoring but concentrations of DCE, TCE and PCE were recorded at higher concentrations during the second round of monitoring.

Additional groundwater sampling was undertaken during and after the piling works. The first groundwater samples were taken on 1 October 2020, two weeks into a four-week piling programme. Three rounds of groundwater monitoring were then undertaken post piling over a three-month period from November 2020 to January 2021. Concentrations of chlorinated solvents in the Chalk and Taplow Gravel in the north of the site remained steady or decreased slightly during and after piling. However, maximum concentrations of several chlorinated solvents increased in the Chalk in BH202 in the south of the site; notably TCA (59.9 µg/l to 105 µg/l), TCE (20.2 µg/l to 60.9 µg/l), TCM (49.5 µg/l to 110 µg/l) and PCE (1,080 µg/l to 4,420 µg/l). The FWRA and letter report concluded that the contamination in both wells could potential be indicative of a wider plume within the groundwater (potentially extending off-site onto LD14), as no shallow onsite source of VOC was identified during the ground investigation or enabling works.

Ground gas

Low concentrations of methane (0.1%) and carbon dioxide (<1%) were detected in the monitoring wells installed within the unsaturated zone. Similarly to LD7.1 and LD7.2, the LD7.2 Plot 8 site was also assessed as CS1.

5.4 Delta Simons (2022)

5.4.1 Scope

Four rotary boreholes were drilled to between 7.5m and 12.0mbgl by Delta Simons on behalf of Segro in February 2022 for groundwater monitoring. Two of the boreholes were positioned onsite (SE110 in the northwestern corner and SE114 in the southeastern corner) and two were positioned slightly offsite adjacent to the northeastern and southwestern corners (SE111 and SE113). The boreholes were installed as dual installations, with 50mm standpipes in the Taplow Gravel shallow aquifer and the Chalk deep aquifer.

We understand these boreholes are part of a much wider groundwater monitoring network undertaken by Segro across the industrial estate to gain a better understanding of groundwater contamination in the wider area. To date, Arup has only been provided with limited data including soil logs and the results of chemical testing of groundwater samples (one round only) from the boreholes on or adjacent to LD14. Other details that would help inform our understanding, including details of the method of groundwater sampling and in-situ monitoring results, have not been made available.

5.4.2 Findings

Six groundwater samples were collected in July 2022, of which two were from the Taplow Gravel (SE110 and SE113) and four were from the Chalk (all four boreholes). High VOC concentrations (including chlorinated solvents) were detected in the Chalk in SE114, which is located in the southeastern corner of the site, including trichloroethene (TCE) (29,200 µg/l), cis-1,2-DCE (473 µg/l), PCE (720 µg/l) and 1,1,2-trichloro-1,2,2-trifluoroethane (297 µg/l). These concentrations exceed relevant WQS by between 1-3 orders of magnitude (eg DWS for TCE and PCE of 10µg/l and DWS for cis-1,2-DCE of 50µg/l) and occurring in Chalk within a groundwater SPZ are potentially significant.

VOCs were also detected in the Chalk in SE110 (northwestern corner), at lower concentrations and included 1,1-DCE (16 µg/l), cis-1,2-DCE (8.7 µg/l), TCM (16.9 µg/l), 1,1,1-TCA (20.5 µg/l), TCE (5.3 µg/l) and PCE (233 µg/l).

VOC concentrations in the two samples from the Taplow Gravel and remaining two samples from the Chalk were below the laboratory method of detection.

6. Preliminary risk assessment

6.1 Risk classification methodology

A preliminary risk assessment has been undertaken, based on the information currently available for the site.

The method for risk evaluation has been based on a qualitative assessment, taking into consideration the magnitude of the potential severity of the risk as well as the probability of the risk occurring. The definition of risk and risk characterisations are summarised in Appendix C, which sets out the risk assessment methodology.

6.2 Potential sources

Potential current and historical sources of contamination onsite and offsite have been identified and are presented in Table 4. The Department of the Environment (DoE) industry profiles [23] have been reviewed to identify potential contaminants associated with industrial land uses at the site.

Table 4 Summary of potential onsite and offsite sources of contamination

Source	Potential contaminants of concern	Comments	Source ID
Onsite			
Site-wide Made Ground	Range of potential contaminants including metals and metalloids, polyaromatic hydrocarbons (PAH), petroleum hydrocarbons, asbestos and ground gas (methane and carbon dioxide)	The site has undergone several phases of redevelopment since the 1920s. Made Ground is anticipated to be present across the site, although it is not expected to be very thick (<1.5m) or have a high degradable content based on previous onsite and nearby ground investigations. Asbestos and other contaminants present within the building fabric may have been released during previous demolition.	S1
Recent industrial uses	Metals and metalloids (particularly lead), PAH, semi volatile organic compounds (SVOC), VOC, petroleum hydrocarbons and asbestos	The site is currently vacant apart from Bays 9 and 10, which are used for storage of construction materials, site offices and welfare facilities for the adjacent LD7 construction site. The industrial units were partially demolished and refurbished in the 1980s. A small area of black staining was observed on the hardstanding at the rear of Bay 9, although the hardstanding was noted to be in good condition. Signage in Bay 13 indicates former paint spraying and paint storage inside the warehouse. Paint typically contained lead prior to the ban in the early 1990s.	S2
Previous industrial uses: - motor works (Citroen Cars) - engineering works (steel heat treatment) - die-casting and metal works - engineering works (general) - engineering works (wire fabric) - automatic plating works - metal engineering works - reinforced concrete works	Metals and metalloids (particularly copper, cadmium, chromium, lead, nickel, mercury, silver, tin and zinc), acids, alkalis, PAH, petroleum hydrocarbons, cyanides, polychlorinated biphenyls (PCB), phenols, sodium salts, asbestos, chlorinated and non-chlorinated solvents, and other VOC and SVOC	The site has been occupied by multiple industrial uses since at least the 1920s. There is potential for contamination associated with these uses. eg due to chemical or fuel storage, spillage, leakage or waste disposal. The drainage plan (Figure 4) appears to depict an external tank adjacent to bay 13 and other tanks, including underground storage tanks (several were encountered on LD7), may have been present within the buildings. Free phase hydrocarbons may be present as light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL). VOC, including chlorinated solvents, have been identified in groundwater during recent limited onsite monitoring, as well as immediately offsite to the west.	S3

Source	Potential contaminants of concern	Comments	Source ID
Former railway lines and sidings (north)	Petroleum hydrocarbons, PAH, PCB, asbestos, creosote, herbicides and sulphates	Railway lines were present along the northern boundary from the 1920s until the 1970s. Coal tar creosote-coated railway sleepers and herbicides were often used along railway lines. There is also potential for contamination associated with the railway sidings due to historical spills or leaks of materials stored or used in the maintenance, refuelling or repair of trains.	S4
Electricity substation (east)	Petroleum hydrocarbons, PAH and PCB	The electricity substation in the east is first shown on historical maps from 1954. Preceding the ban on the use of PCB in new equipment which was introduced in the 1970s, this relatively old substation is likely to have previously contained PCB and it is unknown if PCB were ever removed from it. The current substation is located on hardstanding and any leaks are likely to be small and localised.	S5
Offsite			
Various previous current and former offsite (within 100m) works, factories and warehouses including an ice factory (with an associated tank), motor works, sweet factory, engineering works, battery works, transport depot, insulation works, electrical works, paint works and plastics works	Range of potential contaminants including metals and metalloids, PAHs, petroleum hydrocarbons, chlorinated and non-chlorinated solvents, cyanides and phenols	The surrounding area has been occupied by the Slough Trading Estate from the 1920s to the present day. Various phases of development and numerous industrial uses have been recorded on historical maps. It is evident that previous industrial/ commercial use of land in the area surrounding the site will have caused some contamination of the underlying soil and groundwater. The likelihood of any offsite sources causing impacts to LD14 plot will depend on the magnitude of the source, the proximity to LD14, the mobility of the contamination and the presence of plausible pathway. Previous ground investigations on the adjacent LD7 site have determined the groundwater flow direction to be from northeast to southwest. Therefore, sites situated south or west of LD14 are probably less likely to present a risk of impact than sites situated north or east, however, further evaluation of the hydrogeological regime is required to verify groundwater. In addition, the potential for preferential pathways to transfer contamination onto the LD14 site should not be discounted (eg drainage runs).	S6
Railway lines and sidings	Petroleum hydrocarbons, PAH, PCB, creosote, herbicides and sulphates	Railway lines and sidings were present across the trading estate from the c.1920s until the 1970s. As mentioned above (S4), there is a higher potential for contamination associated with railway sidings.	S7

6.3 Potential receptors

The potential receptors associated with the site, based on the findings of the desk study review, are summarised in Table 5.

Table 5 Summary of potential receptors

Potential receptor	Sensitivity	Receptor ID
Human health		
Construction workers and site visitors during construction	Moderate: workers will come into direct contact with potentially contaminated soil and groundwater during groundworks.	R1
Neighbouring site users during construction	Moderate: neighbouring users of adjacent commercial and industrial properties could be impacted by dust and nuisance odours during construction.	R2
Site users during operation	Low: the site will be in commercial use. It will be almost entirely covered by the building footprint and hardstanding. A narrow strip of	R3

Potential receptor	Sensitivity	Receptor ID
	soft landscaping is proposed along the northern, western and southern boundaries (mostly trees and shrubs).	
Maintenance workers during operation	Moderate: the proposed limited areas of soft landscaping and below-ground utilities will require ongoing maintenance. Maintenance workers may encounter residual potentially contaminated Made Ground, if present.	R4
Controlled waters		
Taplow Gravel principal [upper] aquifer	High: The Taplow Gravel Member is anticipated to be present across the site, although it may be locally absent. It is likely to be overlain by the cohesive Langley Silt which may act as a barrier to the downward migration of contaminants. The Taplow Gravel is unlikely to be a viable source for groundwater abstraction due its discontinuous nature and likely impacts from widespread industrial use across the Slough Trading Estate. It is however designated as a principal aquifer and is likely to be hydraulically connected with the Chalk. It should be regarded as an important environmental receptor (see previous EA correspondence in Appendix D).	R5
Lower granular layers of the Lambeth Group secondary A [deep] aquifer	Moderate: Although BGS maps identify the Lambeth Group to be present onsite, it has not been encountered during previous onsite or nearby investigations within approximately 110m. If present, groundwater within the lower granular layers of the Lambeth Group is likely to be in hydraulic connectivity with the underlying Chalk.	R6
Chalk principal [deep] aquifer	High: The site is within a groundwater source protection zone, although there are no recorded groundwater abstraction licences for potable water within 2km of the site. Although the majority of groundwater abstractions within the site vicinity are likely to be from the Greensand, the Chalk should still be regarded as an important environmental receptor (see previous EA correspondence in Appendix D).	R7
Other		
Onsite building materials and services	Moderate: there is potential for localised contamination (including hydrocarbons) which can adversely affect concrete and materials used in services, such as water supply pipes.	R8
Planting in soft landscaping areas	Low: There is potential for plant uptake of contaminants in areas of soft landscaping. Areas of soft landscaping will be limited and will include retention of some existing trees. Existing trees, shrubs and grass onsite appears healthy.	R9

6.4 Potential pathways

The potential contaminant pathways associated with the site, based on the findings of the desk study review, are summarised in Table 6.

Table 6 Summary of potential contaminant pathways

Potential contaminant pathway	Presence of pathway	Pathway ID
Ingestion of soil or dust Inhalation of dust or fibres Dermal contact with soil or dust	During construction: potential exposure of site workers, especially during bulk earthworks and excavation, including stockpiling and materials movement.	P1a P1b
	During operation: most of the site will be covered with hardstanding with limited areas of soft landscaping (mostly trees and shrubs).	P1c
Migration of hazardous ground gas and vapours and accumulation in confined spaces Inhalation of ground gases or vapours	Migration, including along any preferential pathways (for instance piles and service entries), and accumulation in confined spaces. The potential for ground gas generation from onsite Made Ground is low due to a limited anticipated thickness (<1.5m) and lack of degradable content recorded during previous investigations. If volatile hydrocarbons are	P2

Potential contaminant pathway	Presence of pathway	Pathway ID
	present, there is a potential for vapour intrusion. No basement is proposed.	
Rainwater infiltration and leaching of contaminants	Most of the site will be covered by the building footprint or hardstanding, with permeable ground likely to be limited to a narrow vegetation strip along the northern, eastern and southern boundaries.	P3
Vertical migration of dissolved phase and free phase contaminants	Downwards migration of dissolved phase contaminants from the Made Ground into shallow and deeper groundwater. The Langley Silt may provide a barrier to vertical migration of contaminants from the Made Ground to the Taplow Gravel aquifer. The cohesive Lambeth Group is unlikely to be present and therefore a high degree of hydraulic continuity between the shallower and deeper groundwater (Taplow Gravel and Chalk) is assumed.	P4
Lateral migration of dissolved phase and free phase contaminants	Lateral migration of dissolved phase and free phase contaminants within shallow or deep groundwater or via the surface water drainage system.	P5
Creation of preferential pathways during construction	It is likely that piled foundations will be required, which will extend into the Chalk and create a preferential pathway for contaminants present in the Made Ground or shallow groundwater to migrate vertically to the Chalk aquifer.	P6
Direct contact of concrete and services with contaminated soils or groundwater.	Concrete base slabs and piles will be in contact with the Made Ground onsite, and therefore any contaminants in soil or groundwater if present (including possible NAPL).	P7
Plant uptake	There is potential for the update of contaminants via plant roots in areas of soft landscaping.	P8

6.5 Initial conceptual site model

Based on the potential sources, pathways and receptors identified above, an initial conceptual site model for the site has been produced, which includes a risk assessment of the potential contaminant linkages.

Table 7 Initial conceptual site model

PCL	Description	Probability/ likelihood	Severity of consequence	Risk (without mitigation)
PCL1	Exposure of construction workers (R1) to contaminants via ingestion, dermal contact and inhalation of contaminated soil, dust or fibres (P1a, P1b, P1c) and inhalation of ground gases and vapours (P2)	Likely	Medium	**Moderate**, associated with onsite Made Ground (S1) and previous onsite and offsite industrial uses (S2, S3, S4, S5, S6)
PCL2	Exposure of neighbouring site users (R2) to contaminants via inhalation of contaminated soil, dust or fibres (P1c) and inhalation of ground gases and vapours (P2)	Low	Medium	**Low to moderate**, associated with the inhalation of asbestos, ground gas and vapours from the Made Ground (S1) and previous onsite industrial land uses (S2, S3, S4)
PCL3	Exposure of future site users during operation (R3) to contaminants via ingestion, dermal contact and inhalation of contaminated soil, dust or fibres (P1a, P1b, P1c) and inhalation of ground gases and vapours (P2)	Low	Medium	**Low to moderate**, associated with onsite Made Ground (S1) and previous onsite and offsite industrial uses (S2, S3, S4, S5, S6)
PCL4	Exposure of future maintenance users during operation (R4) to contaminants via ingestion, dermal contact and inhalation of contaminated	Likely	Medium	**Moderate**, associated with onsite Made Ground (S1) and previous onsite and offsite

PCL	Description	Probability/ likelihood	Severity of consequence	Risk (without mitigation)
	soil, dust or fibres (P1a, P1b, P1c) and inhalation of ground gases and vapours (P2)			industrial uses (S2, S3, S4, S5, S6)
PCL5	Pollution of the Travel Gravel principal aquifer (R5) via rainwater infiltration and leaching (P3), vertical and lateral migration of dissolved phase and free phase contaminants (P4, P5)	Likely	Severe	**High**, associated with previous onsite and offsite industrial land uses (S2, S3 S4, S5, S6, S7)
PCL6	Pollution of the Lambeth Group secondary A aquifer (R6) and Chalk principal aquifer (R7) via vertical and lateral migration of dissolved phase and free phase contaminants (P4, P5) and the creation of preferential pathways during construction (P6)	Likely	Severe	**High**, associated with previous onsite and offsite industrial land uses (S2, S3, S4, S5, S6, S7).
PCL7	Impact to onsite building materials and services (R8) via direct contact with contaminants in soil and groundwater (P7).	Low	Mild	**Low**, associated with onsite Made Ground (S1) and previous onsite industrial uses (S2, S3, S4)
PCL8	Impact to planting in future soft landscaping areas (R9) from uptake of phytotoxic contaminants from soil (P8).	Low	Mild	**Low**, associated with onsite Made Ground (S1) and previous onsite industrial uses (S2, S3, S4, S5)

7. Conclusions and recommendations

7.1 Conclusions

This report has assessed the latest desk based information from environmental database searches, publicly available information, regulatory correspondence, and previous ground investigation and monitoring data from onsite and the adjacent LD7 site. These sources of information have been used to inform the initial conceptual site model and preliminary risk assessment.

Potential onsite sources of contamination include Made Ground, an electricity substation, railway land and previous industrial uses. Potential sources of offsite contamination in the surrounding Slough Trading Estate include various factories, works and warehouses with associated railway lines, sidings, tanks and electricity substations.

Asbestos is likely to be identified in the Made Ground onsite as it is a common contaminant on brownfield sites and was identified in the Made Ground on the LD7 site, which has a similar history to LD14. Recent onsite and offsite groundwater monitoring in the shallow Taplow Gravel aquifer and deeper Chalk aquifer has identified high concentrations of VOC, including chlorinated solvents. No shallow sources of VOC were identified during the ground investigation or enabling works on the adjacent LD7 site and therefore, the contamination could be part of a wider plume. There is potential for shallow sources of VOC and other contaminants to be present onsite, associated with former industrial uses which may have included the use of chlorinated solvents. NAPL may also be present in perched groundwater or in the shallow or deeper aquifers.

The preliminary risk assessment concluded that there is a potential contaminant linkage during the construction phase between site workers, visitors and neighbours and potentially contaminated soils. During operation as a data centre, most of the site will be occupied by the building footprint or surfaced with hardstanding, reducing the potential for exposure to contaminated soil, dust or fibres through ingestion, inhalation or dermal contact. There is a potential contaminant linkage during the operational phase between site users or maintenance workers and the accumulation and inhalation of ground gases or vapours within proposed buildings.

The presence of hardstanding across most of the proposed development will minimise rainfall infiltration and vertical migration of contaminants. The Langley Silt may currently provide a vertical barrier to the migration of contaminants from the Made Ground to the shallow aquifer, which could be compromised by the creation of preferential pathways during piling. It is anticipated that the Lambeth Group (including the cohesive layers) will be absent, permitting a high degree of hydraulic connectivity between the shallow Taplow Gravel aquifer and deeper Chalk aquifer. The site has a high environmental sensitivity, since it is underlain by two principal aquifers and is within a groundwater source protection zone, although there are no groundwater abstractions within 2km for potable water supply.

A ground investigation and quantitative risk assessment is required to identify potential risks and advise on the need for remediation and additional mitigation measures. Recommendations are presented in Section 7.2.

A summary of the findings of the preliminary risk assessment is presented in Table 8.

Table 8 Summary of preliminary risk assessment

Description	Risk assessment (without mitigation)
Environmental sensitivity	High
Development sensitivity	Low
Potential for significant contamination	Moderate
Risk of harm to human health (workers and site visitors) during construction	Moderate
Risk of harm to human health (neighbouring site users) during construction	Low to moderate
Risk of harm to human health (future site users) during operation	Low to moderate

Description	Risk assessment (without mitigation)
Risk of harm to human health (maintenance workers) during operation	Moderate
Risk of pollution to groundwater (principal Taplow Gravel aquifer)	High
Risk of pollution to groundwater (principal Chalk aquifer)	High
Risk to onsite building materials and services	Low
Risk to planting in future soft landscaping areas	Low

7.2 Recommendations

7.2.1 Ground investigation

An intrusive ground investigation is required to assess potential contaminant linkages associated with historical and current site uses identified in the conceptual site model. It is likely to be combined with a geotechnical investigation to inform foundation design.

The proposed geoenvironmental ground investigation scope comprises:

- deep boreholes to determine ground conditions across the site and the presence of contamination;
- shallow windowless sampler boreholes and machine excavated trial pits to determine shallow ground conditions and the presence of contamination;
- logging, soil sampling and in situ screening using a photoionisation detector (PID);
- collection of soil samples for analysis at a UKAS and MCERTS accredited laboratory;
- variable head permeability testing to determine aquifer properties, eg hydraulic conductivity;
- installation of groundwater monitoring standpipes in selected deep boreholes within water bearing strata;
- installation of ground gas and vapour monitoring standpipes in selected shallow windowless sample boreholes with Made Ground;
- groundwater level, ground gas and vapour monitoring in standpipes; and
- collection and chemical analysis of groundwater, gas and vapour samples.

The ground investigation strategy will be designed considering the conceptual site model, in accordance with recommendations and guidance outlined in BS10175:2001+A2:2017 (Code of practice for investigation of potentially contaminated sites) [3], BS5930:2015+A1:2020 (Code of practice for ground investigations) [25] and BS8576:2013 (Guidance on investigations for ground gas) [26].

The investigation will be completed by an appropriately experienced and qualified contractor, in accordance with a specification prepared by Arup.

The ground investigation results will be used to inform a quantitative risk assessment and update of the conceptual site model. The risk assessment will inform requirements for detailed risk assessment, and health, safety and environmental controls or remedial works which may be required before or during development.

The updated risk assessment and remediation strategy will be submitted to and agreed with the Local Authority in advance of construction works commencing. A verification report will likely be required by planning conditions. The content of this report will be determined based on the findings of the ground investigation and risk assessment, and a verification plan outlined in the remediation strategy.

7.2.2 Piling

An FWRA will be required in accordance with EA guidance. The FWRA will set out risk management procedures during piling to avoid the creation of pollution pathways. The low permeability Langley Silt may

provide a barrier to vertical contaminant migration from the Made Ground to the Taplow Gravel, which could be compromised by piling activities.

7.2.3 Detailed risk assessment, remediation strategy and verification

If levels of contamination are encountered during the ground investigation that exceed generic criteria and cannot readily be mitigated by proposed construction and design, this is likely to trigger the requirement for further detailed quantitative assessment of the contamination risk.

Depending on the type and distribution of the contamination identified, a detailed quantitative risk assessment (DQRA) might involve assessing the risk to human health (eg site neighbours or future users) or the risk of significant pollution of controlled waters. Human health assessment, if required, will be completed using the EA Contaminated Land Exposure Assessment (CLEA) framework and software tool, which can be used to predict the average daily exposure to contamination, based on the defined site conditions. Any assessment of risk to controlled waters will accord with the methods outlined within the EA's Remedial Targets Methodology (RTM), which involves the use of algorithms to predict the fate and transport of contamination in soil and groundwater. Detailed risk assessment will allow the calculation of acceptable levels of contamination in soil and groundwater, which if exceeded, will require a degree of risk management including potentially remediation.

Detailed proposals regarding a remediation strategy will be presented once the ground investigation has been undertaken and results assessed. The remediation strategy will describe the measures required to manage contamination risks and facilitate development. This will cover construction activities, such as earthworks, piling and foundations, gas and vapour protection (if required) and control measures during construction, to mitigate the risks of pollution, nuisance and health and safety.

If significant contamination is identified based on the ground investigation and contamination assessments, the strategy is likely to include a Remediation Options Appraisal (ROA). The ROA will provide a structured approach to the selection of remedial measures based on the analysis of various criteria; the approach will be based on guidance provided in LCRM [4], CIRIA C622 [27] and SuRF UK (Sustainable Remediation Forum UK) [28]. The strategy will also include a verification plan that will identify the data collection requirements to demonstrate that remediation has been completed in accordance with the agreed strategy.

If required, additional remediation method statements will be prepared to explain the detailed methodology for the completion of specific remediation works. It is likely that the method statement(s) will be prepared by the appointed remediation contractor.

A verification report will likely be required by planning conditions. The content of this report will be determined based on the findings of the ground investigation and assessment. A verification plan, which will set out the information and documents to be collated for inclusion in the verification report, will be included in the remediation strategy report.

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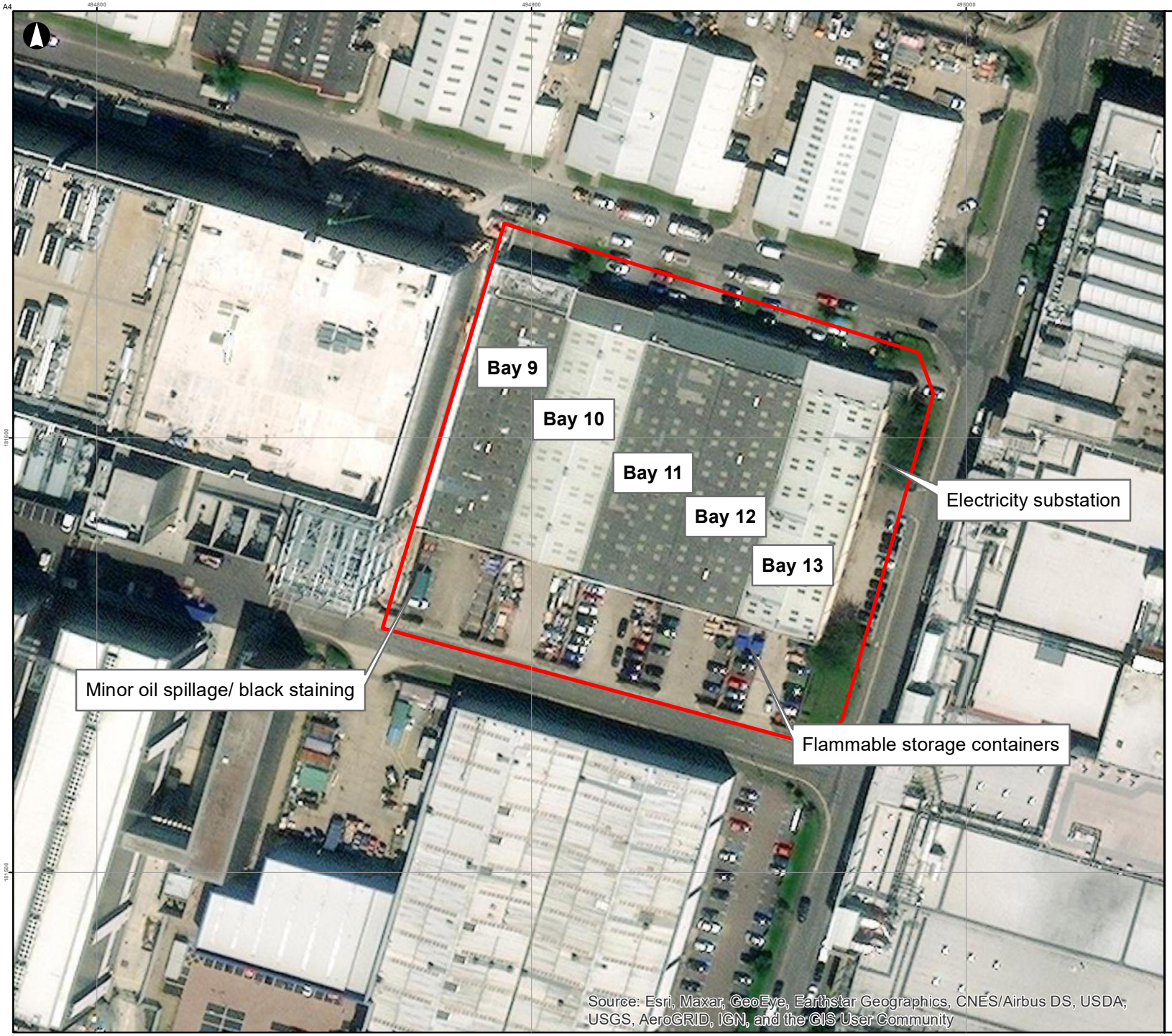
Drawings

Drawing 1 Site layout plan

Drawing 2 Historical ground investigation locations



Legend

Site boundary

Rev	Date	By	Chkd	Appd	Authd
001	27.09.22	AO	CC	LC	NB

Metres
0 15 30 60

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Client
Equinix UK Limited

Job Title
LD14, Slough

Drawing Title
Site layout plan

Scale at A4
1:1,250

Drawing Status
For Issue

Job No	Drawing No	Rev
276024	**001**	**F2**

29/09/2022 17:32:29

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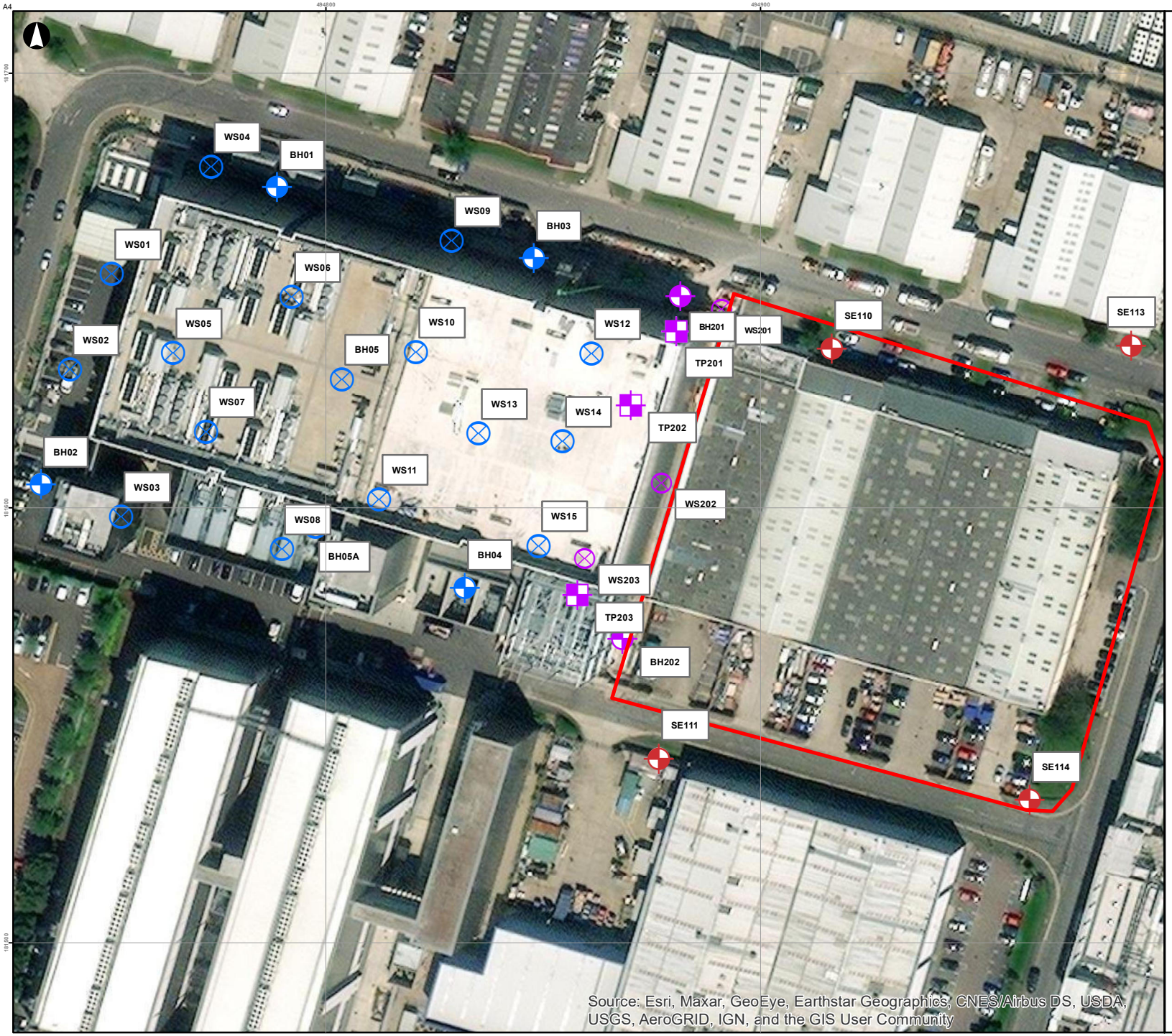

Legend

Site boundary

Delta Simons 2022

Rotary auger borehole

Delta Simons 2020

Cable percussion borehole

Dynamic sampling borehole

Trial pit

Concept 2017

Cable percussion/ rotary borehole

Dynamic sampling borehole

Rev	Date	By	Chkd	Appd	Authd
001	27.09.22	AO	CC	LC	NB

Metres: 0, 15, 30, 60

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Client
Equinix UK Limited

Job Title
LD14, Slough

Drawing Title
Historical ground investigation locations

Scale at A4
1:1,250

Drawing Status
For Issue

Job No	Drawing No	Rev
276024	002	F2

30/09/2022 13:47:48

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Appendix A

Groundsure report

A.1 Groundsure report

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

BANBURY AVENUE, SLOUGH, SL1 4LR

Order Details

Date: 07/09/2022

Your ref: 276024

Our Ref: GS-9036375

Site Details

Location: 494926 181592

Area: 0.99 ha

Authority: Slough Borough Council

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	10	4	23	65	-
17	1.2	Historical tanks	0	1	5	41	-
19	1.3	Historical energy features	2	0	15	36	-
22	1.4	Historical petrol stations	0	0	0	0	-
22	1.5	Historical garages	0	0	0	1	-
22	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
23	2.1	Historical industrial land uses	10	7	26	77	-
28	2.2	Historical tanks	0	3	5	80	-
31	2.3	Historical energy features	5	0	33	78	-
36	2.4	Historical petrol stations	0	0	0	0	-
36	2.5	Historical garages	0	0	0	1	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
37	3.1	Active or recent landfill	0	0	0	1	-
38	3.2	Historical landfill (BGS records)	0	0	0	0	-
38	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
38	3.4	Historical landfill (EA/NRW records)	0	0	0	2	-
39	3.5	Historical waste sites	0	0	0	0	-
39	3.6	Licensed waste sites	0	0	0	6	-
41	3.7	Waste exemptions	0	0	5	16	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
44	4.1	Recent industrial land uses	2	0	23	-	-
46	4.2	Current or recent petrol stations	0	0	0	0	-
46	4.3	Electricity cables	0	0	0	0	-
46	4.4	Gas pipelines	0	0	0	0	-
47	4.5	Sites determined as Contaminated Land	0	0	0	0	-

47	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
47	4.7	Regulated explosive sites	0	0	0	0	-
47	4.8	Hazardous substance storage/usage	0	0	0	0	-
47	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
48	**4.10**	**Licensed industrial activities (Part A(1))**	0	0	5	28	-
53	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	3	6	-
54	**4.12**	**Radioactive Substance Authorisations**	0	0	2	5	-
55	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
55	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
55	4.15	Pollutant release to public sewer	0	0	0	0	-
55	**4.16**	**List 1 Dangerous Substances**	0	0	0	1	-
56	4.17	List 2 Dangerous Substances	0	0	0	0	-
56	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	0	5	-
57	**4.19**	**Pollution inventory substances**	0	0	0	32	-
67	**4.20**	**Pollution inventory waste transfers**	0	0	1	2	-
73	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
74	**5.1**	**Superficial aquifer**	Identified (within 500m)				
76	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
78	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
79	**5.4**	**Groundwater vulnerability- soluble rock risk**	Identified (within 0m)				
79	**5.5**	**Groundwater vulnerability- local information**	Identified (within 0m)				
81	**5.6**	**Groundwater abstractions**	0	0	1	10	21
89	5.7	Surface water abstractions	0	0	0	0	0
89	5.8	Potable abstractions	0	0	0	0	0
90	**5.9**	**Source Protection Zones**	2	0	0	1	-
90	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
91	6.1	Water Network (OS MasterMap)	0	0	0	-	-

91	6.2	Surface water features	0	0	0	-	-
92	**6.3**	**WFD Surface water body catchments**	1	-	-	-	-
92	**6.4**	**WFD Surface water bodies**	0	0	0	-	-
92	**6.5**	**WFD Groundwater bodies**	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
94	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
94	7.2	Historical Flood Events	0	0	0	-	-
94	7.3	Flood Defences	0	0	0	-	-
95	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
95	7.5	Flood Storage Areas	0	0	0	-	-
96	7.6	Flood Zone 2	None (within 50m)				
96	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
97	**8.1**	**Surface water flooding**	1 in 100 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
99	**9.1**	**Groundwater flooding**	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
100	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
101	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
101	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
102	**10.6**	**Local Nature Reserves (LNR)**	0	0	0	0	2
102	**10.7**	**Designated Ancient Woodland**	0	0	0	0	2
102	10.8	Biosphere Reserves	0	0	0	0	0
103	10.9	Forest Parks	0	0	0	0	0
103	10.10	Marine Conservation Zones	0	0	0	0	0
103	**10.11**	**Green Belt**	0	0	0	0	8
104	10.12	Proposed Ramsar sites	0	0	0	0	0

104	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
104	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
105	**10.16**	**Nitrate Vulnerable Zones**	0	0	0	0	2
106	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
107	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
108	11.1	World Heritage Sites	0	0	0	-	-
108	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
108	11.3	National Parks	0	0	0	-	-
108	11.4	Listed Buildings	0	0	0	-	-
109	11.5	Conservation Areas	0	0	0	-	-
109	11.6	Scheduled Ancient Monuments	0	0	0	-	-
109	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
110	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
111	12.2	Open Access Land	0	0	0	-	-
111	12.3	Tree Felling Licences	0	0	0	-	-
111	12.4	Environmental Stewardship Schemes	0	0	0	-	-
111	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
112	13.1	Priority Habitat Inventory	0	0	0	-	-
112	13.2	Habitat Networks	0	0	0	-	-
112	13.3	Open Mosaic Habitat	0	0	0	-	-
112	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
113	**14.1**	**10k Availability**	Identified (within 500m)				
114	**14.2**	**Artificial and made ground (10k)**	0	0	0	9	-
116	**14.3**	**Superficial geology (10k)**	1	1	0	6	-

117	14.4	Landslip (10k)	0	0	0	0	-
118	**14.5**	**Bedrock geology (10k)**	1	1	0	0	-
119	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
120	**15.1**	**50k Availability**	Identified (within 500m)				
121	**15.2**	**Artificial and made ground (50k)**	0	0	0	2	-
122	15.3	Artificial ground permeability (50k)	0	0	-	-	-
123	**15.4**	**Superficial geology (50k)**	1	0	0	3	-
124	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
124	15.6	Landslip (50k)	0	0	0	0	-
124	15.7	Landslip permeability (50k)	None (within 50m)				
125	**15.8**	**Bedrock geology (50k)**	1	0	0	0	-
126	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
126	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
127	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
128	**17.1**	**Shrink swell clays**	Moderate (within 50m)				
130	**17.2**	**Running sands**	Negligible (within 50m)				
132	**17.3**	**Compressible deposits**	Negligible (within 50m)				
133	**17.4**	**Collapsible deposits**	Low (within 50m)				
134	**17.5**	**Landslides**	Very low (within 50m)				
136	**17.6**	**Ground dissolution of soluble rocks**	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
138	18.1	Natural cavities	0	0	0	0	-
139	18.2	BritPits	0	0	0	0	-
139	**18.3**	**Surface ground workings**	0	0	3	-	-
139	18.4	Underground workings	0	0	0	0	0
139	18.5	Historical Mineral Planning Areas	0	0	0	0	-

140	**18.6**	**Non-coal mining**	1	1	0	0	2
140	18.7	Mining cavities	0	0	0	0	0
141	18.8	JPB mining areas	None (within 0m)				
141	18.9	Coal mining	None (within 0m)				
141	18.10	Brine areas	None (within 0m)				
141	18.11	Gypsum areas	None (within 0m)				
141	18.12	Tin mining	None (within 0m)				
142	18.13	Clay mining	None (within 0m)				

Page	Section	Radon					
143	**19.1**	**Radon**	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
144	**20.1**	**BGS Estimated Background Soil Chemistry**	1	3	-	-	-
144	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
145	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
146	21.1	Underground railways (London)	0	0	0	-	-
146	21.2	Underground railways (Non-London)	0	0	0	-	-
147	21.3	Railway tunnels	0	0	0	-	-
147	**21.4**	**Historical railway and tunnel features**	7	4	18	-	-
148	21.5	Royal Mail tunnels	0	0	0	-	-
148	**21.6**	**Historical railways**	1	0	2	-	-
149	21.7	Railways	0	0	0	-	-
149	**21.8**	**Crossrail 1**	0	0	0	1	-
149	21.9	Crossrail 2	0	0	0	0	-
149	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 29/06/2019

Site Area: 0.99ha

Recent site history - 2015 aerial photograph

Capture Date: 07/06/2015

Site Area: 0.99ha

Recent site history - 2010 aerial photograph

Capture Date: 01/09/2010

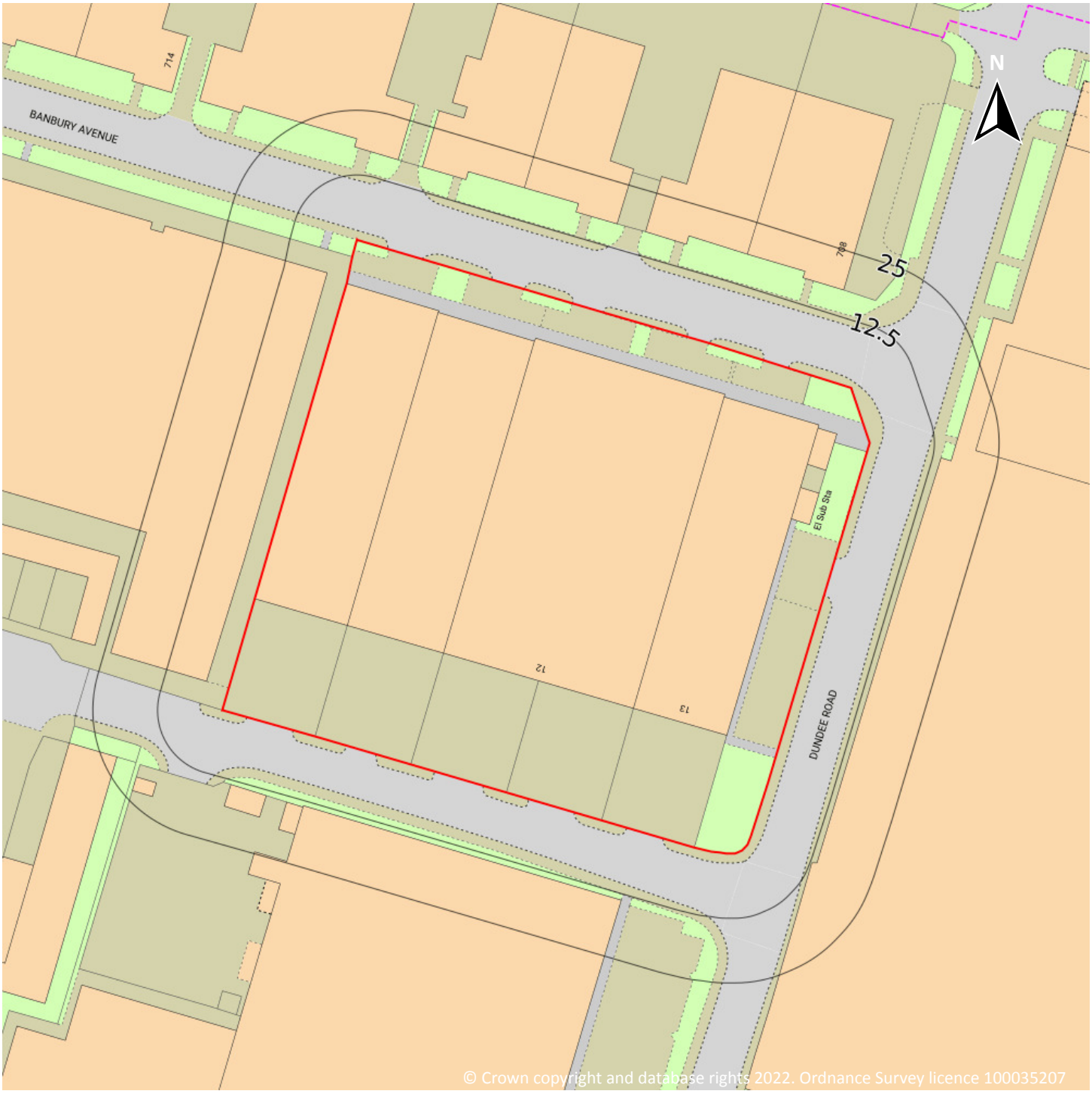
Site Area: 0.99ha

Recent site history - 1999 aerial photograph

Capture Date: 12/10/1999

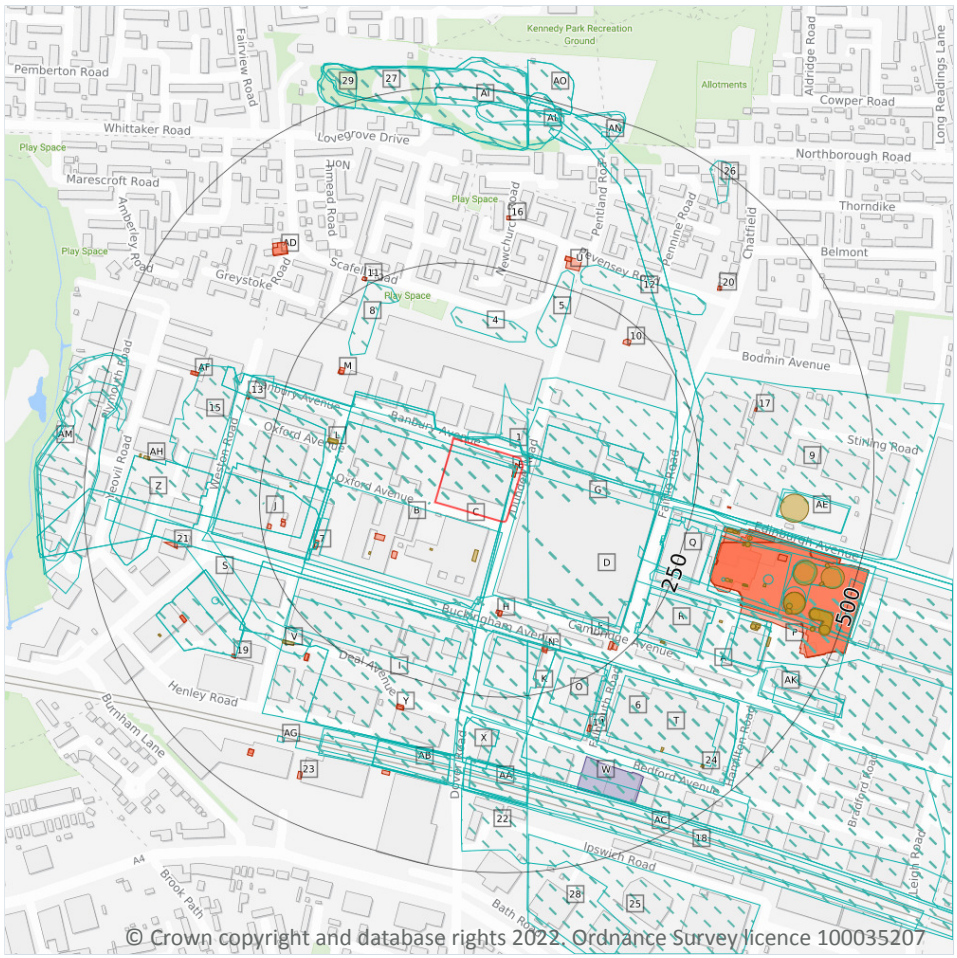
Site Area: 0.99ha

OS MasterMap site plan



Site Area: 0.99ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	102

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Works**	**1956**	**1860533**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Works**	**1956**	**1937110**
3	**On site**	**Unspecified Commercial/Industrial**	**1955 - 1956**	**1903122**
A	**On site**	**Railway Sidings**	**1924**	**1901664**
A	**On site**	**Railway Sidings**	**1938 - 1955**	**1968728**
B	**On site**	**Ice Factory**	**1924**	**1884780**
B	**On site**	**Unspecified Commercial/Industrial**	**1938**	**1929905**
C	**On site**	**Motor Works**	**1938**	**1962410**
D	**On site**	**Railway Sidings**	**1938**	**1963193**
F	**On site**	**Industrial Trading Estate**	**1938**	**1870291**
G	7m E	Unspecified Commercial/Industrial	1972	1886108
G	7m E	Unspecified Commercial/Industrial	1985	1939935
D	9m E	Unspecified Commercial/Industrial	1924	1943624
B	15m S	Unspecified Works	1973	1892350
I	149m S	Soap Works	1938	1890647
J	150m W	Unspecified Commercial/Industrial	1987	1899125
J	150m W	Unspecified Factory	1973	1954756
4	154m N	Unspecified Heap	1987	1869815
K	155m S	Biscuit Factory	1938	1915813
I	157m S	Unspecified Works	1956	1860534
L	159m W	Oil Tanks	1924	1876294
5	164m N	Unspecified Heap	1985	1869813
K	164m S	Leather and Rubber Factory	1924	1863148
J	166m W	Unspecified Factory	1956	1949743
6	172m S	Unspecified Commercial/Industrial	1985	1964552
8	174m NW	Unspecified Heap	1987	1869816
I	181m S	Unspecified Commercial/Industrial	1924	1874700
O	197m S	Unspecified Commercial/Industrial	1938	1964800
P	200m E	Railway Sidings	1972	1959181

ID	Location	Land use	Dates present	Group ID
O	211m SE	Motor Works	1924	1863837
9	216m E	Unspecified Commercial/Industrial	1972	1874701
Q	218m E	Surgical Dressing Works	1938	1920322
P	218m E	Surgical Dressing Works	1938	1887972
Q	219m E	Jam Factory	1924	1875312
P	222m E	Unspecified Commercial/Industrial	1972	1896570
R	227m SE	Tool Works	1938	1953576
R	228m SE	Unspecified Commercial/Industrial	1924	1914923
S	262m SW	Railway Sidings	1956	1905010
12	265m N	Unspecified Heap	1985	1869814
T	265m SE	Cabinet Works	1938	1911561
T	278m SE	Chemical Works	1924	1864571
W	281m S	Celluloid Works	1938	1929160
X	283m S	Fire Station	1924	1874254
X	283m S	Celluloid Works	1938	1894526
P	299m E	Unspecified Commercial/Industrial	1938	1925216
P	300m E	Electricity Works	1924	1868552
15	314m W	Unspecified Works	1956	1900711
P	317m E	Chimneys	1955	1871153
Z	318m W	Unspecified Commercial/Industrial	1987	1874698
Z	318m W	Unspecified Works	1973	1888445
S	321m SW	Unspecified Works	1973	1860535
S	321m SW	Unspecified Commercial/Industrial	1987	1874699
S	324m SW	Unspecified Mill	1956	1872640
S	338m SW	Chimney	1956	1874982
AA	339m S	Cuttings	1956	1884876
AB	341m S	Cuttings	1956	1930353
AB	342m S	Cuttings	1973	1889084

ID	Location	Land use	Dates present	Group ID
AB	342m S	Cuttings	1987	1896032
AA	343m S	Cuttings	1987	1899395
AA	343m S	Cuttings	1973	1958870
AC	345m S	Cuttings	1938	1923145
AB	355m S	Cuttings	1924 - 1938	1963070
18	355m S	Cuttings	1924 - 1938	1968843
P	357m SE	Razor Factory	1938	1907648
P	360m SE	Sweet Factory	1924	1872123
AC	362m S	Cuttings	1882	1884883
AE	367m E	Unspecified Tanks	1985	1958910
AE	368m E	Unspecified Tanks	1972	1939050
P	374m E	Unspecified Tank	1938	1909084
22	385m S	Unspecified Works	1956	1860542
AG	397m SW	Railway Building	1938	1866823
P	408m E	Unspecified Tanks	1938	1941387
P	409m E	Unspecified Tank	1938 - 1955	1932845
P	411m E	Unspecified Tanks	1985	1938878
P	411m E	Unspecified Tanks	1955 - 1972	1964554
P	412m E	Unspecified Tank	1938	1858501
AI	420m N	Unspecified Disused Pit	1973	1855316
AI	420m N	Unspecified Ground Workings	1956	1946614
AJ	421m N	Unspecified Ground Workings	1987	1909303
AK	425m SE	Bakery	1938	1905984
AJ	426m N	Unspecified Ground Workings	1938	1903514
AL	431m N	Unspecified Heap	1955	1936398
AL	431m N	Unspecified Heap	1972 - 1985	1962623
AL	445m N	Unspecified Pit	1938	1879679
25	447m S	Unspecified Commercial/Industrial	1985	1948982

ID	Location	Land use	Dates present	Group ID
AK	450m SE	Goods Station	1924	1872041
P	451m E	Unspecified Tanks	1985	1870976
AL	453m N	Unspecified Ground Workings	1924	1936502
AL	453m N	Unspecified Heap	1938	1914774
AM	456m W	Unspecified Ground Workings	1956	1852764
26	459m NE	Unspecified Pit	1924 - 1938	1928319
AM	471m W	Unspecified Heap	1987	1957922
AN	472m N	Railway Building	1924	1866840
AI	473m N	Unspecified Ground Workings	1938	1916260
AM	473m W	Unspecified Heap	1973	1948477
27	475m N	Unspecified Pit	1924	1879678
AN	485m N	Unspecified Heap	1924 - 1938	1917300
AO	487m N	Unspecified Disused Pit	1972	1903186
AO	487m N	Unspecified Disused Pit	1985	1911730
28	487m S	Unspecified Commercial/Industrial	1972	1918534
29	490m N	Unspecified Ground Workings	1987	1922003
P	494m E	Razor Factory	1924	1868693

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**47**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
C	49m S	Unspecified Tank	1954 - 1966	318595

ID	Location	Land use	Dates present	Group ID
B	65m S	Unspecified Tank	1982	306518
B	116m SW	Unspecified Tank	1982	306517
L	157m W	Oil Tanks	1924	309264
L	157m W	Tanks	1932	310798
J	206m W	Unspecified Tank	1981	306530
R	279m SE	Unspecified Tank	1974 - 1984	315549
V	283m SW	Unspecified Tank	1954 - 1966	312943
P	304m E	Tanks	1987 - 1997	318192
P	304m E	Tanks	1969 - 1988	319403
P	313m E	Tanks	1954 - 1961	320736
P	322m E	Unspecified Tank	1984 - 1999	321768
P	330m E	Unspecified Tank	1974	306519
P	332m E	Unspecified Tank	1954	312518
P	335m E	Unspecified Tank	1993	318546
P	335m E	Unspecified Tank	1997 - 1999	325118
P	336m SE	Unspecified Tank	1974	306516
P	336m E	Unspecified Tank	1997	306532
P	348m E	Tanks	1984	314588
P	349m E	Tanks	1993 - 1999	319568
P	349m E	Unspecified Tank	1974	306520
AE	372m E	Unspecified Tank	1961	306531
P	377m E	Unspecified Tank	1954	326247
P	379m SE	Tanks	1999	322871
P	379m SE	Tanks	1993 - 1997	317669
P	385m SE	Tanks	1993 - 1997	314437
T	391m SE	Tanks	1974	310795
P	409m SE	Unspecified Tank	1974	306651
AH	411m W	Unspecified Tank	1991	306529

ID	Location	Land use	Dates present	Group ID
P	411m E	Gasholder	1954	309453
P	411m E	Gas Holder	1954	311508
P	413m E	Unspecified Tank	1932 - 1984	324091
P	417m E	Unspecified Tank	1999	323956
P	418m E	Unspecified Tank	1984 - 1999	315981
AH	424m W	Unspecified Tank	1971 - 1981	324369
S	434m SW	Unspecified Tank	1972 - 1994	318331
24	445m SE	Unspecified Tank	1974	306652
P	450m E	Tanks	1984	319523
P	451m E	Unspecified Tank	1954 - 1999	327642
P	451m E	Tanks	1993 - 1997	313316
P	452m E	Tanks	1974	322681
P	452m E	Unspecified Tank	1984	316389
P	452m E	Unspecified Tank	1954 - 1984	326176
P	453m E	Unspecified Tank	1954 - 1984	328067
P	459m E	Unspecified Tank	1984 - 1997	318351
P	460m E	Tanks	1999	310794
P	472m E	Unspecified Tank	1999	306521

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**53**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
E	**On site**	**Electricity Substation**	**1954 - 1995**	**200791**
E	**On site**	**Electricity Substation**	**1987**	**209048**
B	86m SW	Electricity Substation	1988 - 1995	209381
B	89m SW	Electricity Substation	1989 - 1997	204928
H	126m S	Electricity Substation	1982	195088
H	127m S	Electricity Substation	1954	197753
7	174m W	Electricity Substation	1954 - 1987	202070
M	182m NW	Electricity Substation	1988 - 1995	194853
M	182m NW	Electricity Substation	1987	202739
N	185m S	Electricity Substation	1974 - 1999	211627
N	185m S	Electricity Substation	1984	202150
J	215m W	Electricity Substation	1995	190263
J	215m W	Electricity Substation	1988	190262
10	219m NE	Electricity Substation	1988 - 1997	211360
F	227m SE	Electricity Substation	1974 - 1999	204092
F	233m SE	Electricity Substation	1954	211409
J	235m W	Electricity Substation	1988 - 1995	202880
11	256m NW	Electricity Substation	1987 - 1995	195328
U	278m N	Electricity Substation	1987	210329
V	281m SW	Electricity Substation	1982 - 1997	194852
V	282m SW	Electricity Substation	1989	201944
U	288m N	Electricity Substation	1985 - 1997	203933
Y	291m S	Electricity Substation	1982 - 1997	202917
Y	293m S	Electricity Substation	1989	200460
13	296m W	Electricity Substation	1954	195519
P	297m E	Electricity Substation	1954	207849
P	299m E	Electricity Works	1924	191711
P	300m E	Power Station	1984	194713

ID	Location	Land use	Dates present	Group ID
P	300m E	Power Station	1987	194714
P	301m E	Power Station	1981 - 1997	204764
P	301m E	Power Station	1974 - 1999	211803
14	313m SE	Electricity Substation	1954 - 1999	201300
16	320m N	Electricity Substation	1987 - 1995	198531
P	339m E	Power Station	1969	192118
17	339m E	Electricity Substation	1969	190271
AD	353m NW	Electricity Substation	1987 - 1995	196870
AD	354m NW	Electricity Substation	1988	209985
19	358m SW	Electricity Substation	1982 - 1997	200529
20	369m NE	Electricity Substation	1985 - 1997	201655
21	372m W	Electricity Works	1966 - 1972	205586
AF	374m W	Electricity Substation	1981 - 1988	202420
AF	374m W	Electricity Substation	1995	205290
P	386m E	Electricity Substation	1974 - 1984	211866
AB	387m S	Electricity Substation	1982 - 1989	206858
S	392m SW	Electricity Substation	1982 - 1997	210487
S	392m SW	Electricity Substation	1989	195180
P	411m E	Gasholder	1954	191682
P	411m E	Gas Holder	1954	192027
P	427m E	Gas Pipeline Station	1984 - 1999	207619
P	428m E	Gas Pipeline Station	1974	195181
23	428m SW	Electricity Substation	1997	190269
AG	437m SW	Electricity Substation	1994	200862
AG	437m SW	Electricity Substation	1982 - 1989	204683

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	1

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
W	354m S	Motor Service Depot	1974	61009

This data is sourced from Ordnance Survey / Groundsure.

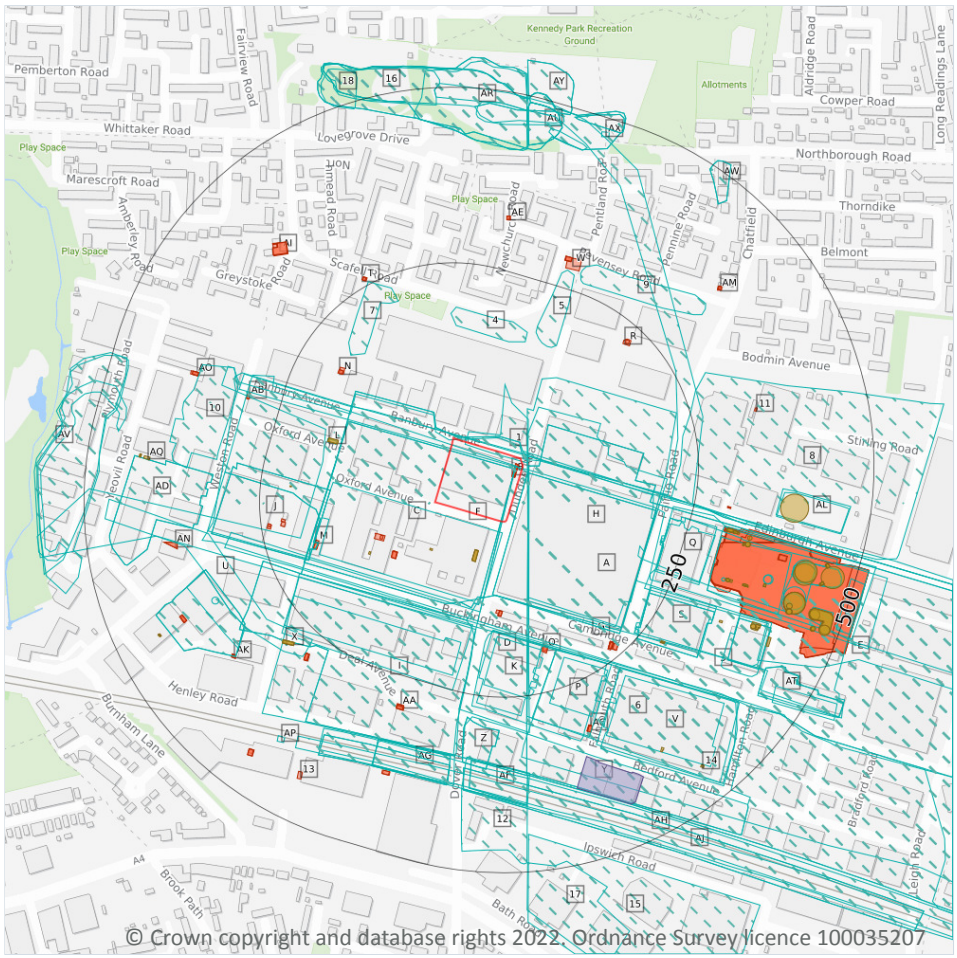
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	120

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Works**	**1956**	**1860533**
2	**On site**	**Unspecified Works**	**1956**	**1937110**
3	**On site**	**Railway Sidings**	**1924**	**1901664**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Railway Sidings**	**1938**	**1963193**
C	**On site**	**Unspecified Commercial/Industrial**	**1938**	**1929905**
C	**On site**	**Ice Factory**	**1924**	**1884780**
D	**On site**	**Unspecified Commercial/Industrial**	**1956**	**1903122**
E	**On site**	**Railway Sidings**	**1938**	**1968728**
F	**On site**	**Motor Works**	**1938**	**1962410**
G	**On site**	**Industrial Trading Estate**	**1938**	**1870291**
H	7m E	Unspecified Commercial/Industrial	1985	1939935
H	7m E	Unspecified Commercial/Industrial	1972	1886108
E	8m E	Unspecified Commercial/Industrial	1955	1903122
E	8m E	Railway Sidings	1955	1968728
A	9m E	Motor Works	1938	1962410
A	9m E	Unspecified Commercial/Industrial	1924	1943624
C	15m S	Unspecified Works	1973	1892350
I	149m S	Soap Works	1938	1890647
J	150m W	Unspecified Commercial/Industrial	1987	1899125
J	150m W	Unspecified Factory	1973	1954756
I	152m S	Soap Works	1938	1890647
4	154m N	Unspecified Heap	1987	1869815
K	155m S	Biscuit Factory	1938	1915813
K	156m S	Biscuit Factory	1938	1915813
I	157m S	Unspecified Works	1956	1860534
L	159m W	Oil Tanks	1924	1876294
5	164m N	Unspecified Heap	1985	1869813
K	164m S	Leather and Rubber Factory	1924	1863148
J	166m W	Unspecified Factory	1956	1949743
6	172m S	Unspecified Commercial/Industrial	1985	1964552
7	174m NW	Unspecified Heap	1987	1869816

ID	Location	Land Use	Date	Group ID
I	181m S	Unspecified Commercial/Industrial	1924	1874700
P	197m S	Unspecified Commercial/Industrial	1938	1964800
E	200m E	Railway Sidings	1972	1959181
P	211m SE	Motor Works	1924	1863837
8	216m E	Unspecified Commercial/Industrial	1972	1874701
Q	218m E	Surgical Dressing Works	1938	1920322
E	218m E	Surgical Dressing Works	1938	1887972
Q	219m E	Jam Factory	1924	1875312
E	222m E	Unspecified Commercial/Industrial	1972	1896570
S	227m SE	Tool Works	1938	1953576
S	228m SE	Tool Works	1938	1953576
S	228m SE	Unspecified Commercial/Industrial	1924	1914923
U	262m SW	Railway Sidings	1956	1905010
9	265m N	Unspecified Heap	1985	1869814
V	265m SE	Cabinet Works	1938	1911561
V	267m SE	Cabinet Works	1938	1911561
V	278m SE	Chemical Works	1924	1864571
Y	281m S	Celluloid Works	1938	1929160
Z	283m S	Celluloid Works	1938	1894526
Z	283m S	Fire Station	1924	1874254
E	299m E	Unspecified Commercial/Industrial	1938	1925216
E	300m E	Electricity Works	1924	1868552
10	314m W	Unspecified Works	1956	1900711
E	317m E	Chimneys	1955	1871153
AD	318m W	Unspecified Commercial/Industrial	1987	1874698
AD	318m W	Unspecified Works	1973	1888445
U	321m SW	Unspecified Commercial/Industrial	1987	1874699
U	321m SW	Unspecified Works	1973	1860535

ID	Location	Land Use	Date	Group ID
U	324m SW	Unspecified Mill	1956	1872640
U	338m SW	Chimney	1956	1874982
AF	339m S	Cuttings	1956	1884876
AG	341m S	Cuttings	1956	1930353
AG	342m S	Cuttings	1987	1896032
AG	342m S	Cuttings	1973	1889084
AF	343m S	Cuttings	1987	1899395
AF	343m S	Cuttings	1973	1958870
AH	345m S	Cuttings	1938	1923145
AG	355m S	Cuttings	1938	1963070
AG	355m S	Cuttings	1924	1963070
AJ	355m S	Cuttings	1938	1968843
AJ	355m S	Cuttings	1924	1968843
E	357m SE	Razor Factory	1938	1907648
E	360m SE	Razor Factory	1938	1907648
E	360m SE	Sweet Factory	1924	1872123
AH	362m S	Cuttings	1882	1884883
AL	367m E	Unspecified Tanks	1985	1958910
AL	368m E	Unspecified Tanks	1972	1939050
E	374m E	Unspecified Tank	1938	1909084
E	375m E	Unspecified Tank	1938	1909084
12	385m S	Unspecified Works	1956	1860542
AP	397m SW	Railway Building	1938	1866823
E	408m E	Unspecified Tanks	1938	1941387
E	409m E	Unspecified Tank	1938	1932845
E	409m E	Unspecified Tank	1955	1932845
E	411m E	Unspecified Tanks	1985	1938878
E	411m E	Unspecified Tanks	1955	1964554

ID	Location	Land Use	Date	Group ID
E	411m E	Unspecified Tanks	1972	1964554
E	412m E	Unspecified Tank	1938	1858501
AR	420m N	Unspecified Disused Pit	1973	1855316
AR	420m N	Unspecified Ground Workings	1956	1946614
AS	421m N	Unspecified Ground Workings	1987	1909303
AT	425m SE	Bakery	1938	1905984
AT	425m SE	Bakery	1938	1905984
AS	426m N	Unspecified Ground Workings	1938	1903514
AS	426m N	Unspecified Ground Workings	1938	1903514
AU	431m N	Unspecified Heap	1985	1962623
AU	431m N	Unspecified Heap	1955	1936398
AU	431m N	Unspecified Heap	1972	1962623
AU	445m N	Unspecified Pit	1938	1879679
15	447m S	Unspecified Commercial/Industrial	1985	1948982
AT	450m SE	Goods Station	1924	1872041
E	451m E	Unspecified Tanks	1985	1870976
AU	453m N	Unspecified Ground Workings	1924	1936502
AU	453m N	Unspecified Heap	1938	1914774
AV	456m W	Unspecified Ground Workings	1956	1852764
AW	459m NE	Unspecified Pit	1938	1928319
AW	459m NE	Unspecified Pit	1924	1928319
AV	471m W	Unspecified Heap	1987	1957922
AX	472m N	Railway Building	1924	1866840
AR	473m N	Unspecified Ground Workings	1938	1916260
AV	473m W	Unspecified Heap	1973	1948477
16	475m N	Unspecified Pit	1924	1879678
AX	485m N	Unspecified Heap	1938	1917300
AX	485m N	Unspecified Heap	1924	1917300

ID	Location	Land Use	Date	Group ID
AY	487m N	Unspecified Disused Pit	1985	1911730
AY	487m N	Unspecified Disused Pit	1972	1903186
17	487m S	Unspecified Commercial/Industrial	1972	1918534
18	490m N	Unspecified Ground Workings	1987	1922003
E	494m E	Razor Factory	1924	1868693

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**88**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
F	49m S	Unspecified Tank	1966	318595
F	49m S	Unspecified Tank	1954	318595
F	49m S	Unspecified Tank	1954	318595
C	65m S	Unspecified Tank	1982	306518
C	116m SW	Unspecified Tank	1982	306517
L	157m W	Oil Tanks	1924	309264
L	157m W	Tanks	1932	310798
J	206m W	Unspecified Tank	1981	306530
S	279m SE	Unspecified Tank	1984	315549
S	280m SE	Unspecified Tank	1974	315549
X	283m SW	Unspecified Tank	1966	312943
X	283m SW	Unspecified Tank	1954	312943
X	283m SW	Unspecified Tank	1954	312943
E	304m E	Tanks	1997	318192
E	304m E	Tanks	1987	318192

ID	Location	Land Use	Date	Group ID
E	304m E	Tanks	1969	319403
E	305m E	Tanks	1981	319403
E	305m E	Tanks	1985	319403
E	305m E	Tanks	1988	319403
E	313m E	Tanks	1961	320736
E	313m E	Tanks	1954	320736
E	314m E	Tanks	1954	320736
E	322m E	Unspecified Tank	1984	321768
E	324m E	Unspecified Tank	1997	321768
E	324m E	Unspecified Tank	1993	321768
E	324m E	Unspecified Tank	1999	321768
E	330m E	Unspecified Tank	1974	306519
E	332m E	Unspecified Tank	1954	312518
E	332m E	Unspecified Tank	1954	312518
E	335m E	Unspecified Tank	1997	325118
E	335m E	Unspecified Tank	1993	318546
E	335m E	Unspecified Tank	1999	325118
E	336m SE	Unspecified Tank	1974	306516
E	336m E	Unspecified Tank	1997	306532
E	348m E	Tanks	1984	314588
E	349m E	Tanks	1997	319568
E	349m E	Tanks	1993	319568
E	349m E	Tanks	1999	319568
E	349m E	Unspecified Tank	1974	306520
AL	372m E	Unspecified Tank	1961	306531
E	377m E	Unspecified Tank	1954	326247
E	377m E	Unspecified Tank	1954	326247
E	379m SE	Tanks	1999	322871

ID	Location	Land Use	Date	Group ID
E	379m SE	Tanks	1997	317669
E	379m SE	Tanks	1993	317669
E	385m SE	Tanks	1997	314437
E	385m SE	Tanks	1993	314437
V	391m SE	Tanks	1974	310795
E	409m SE	Unspecified Tank	1974	306651
AQ	411m W	Unspecified Tank	1991	306529
E	411m E	Gasholder	1954	309453
E	411m E	Gas Holder	1954	311508
E	413m E	Unspecified Tank	1932	324091
E	413m E	Unspecified Tank	1984	324091
E	417m E	Unspecified Tank	1999	323956
E	418m E	Unspecified Tank	1984	315981
E	419m E	Unspecified Tank	1997	315981
E	419m E	Unspecified Tank	1993	315981
E	419m E	Unspecified Tank	1999	315981
AQ	424m W	Unspecified Tank	1981	324369
AQ	424m W	Unspecified Tank	1971	324369
U	434m SW	Unspecified Tank	1972	318331
U	434m SW	Unspecified Tank	1994	318331
U	434m SW	Unspecified Tank	1994	318331
U	435m SW	Unspecified Tank	1984	318331
U	435m SW	Unspecified Tank	1990	318331
14	445m SE	Unspecified Tank	1974	306652
E	450m E	Tanks	1984	319523
E	451m E	Unspecified Tank	1954	327642
E	451m E	Tanks	1997	313316
E	451m E	Tanks	1993	313316

ID	Location	Land Use	Date	Group ID
E	451m E	Unspecified Tank	1999	327642
E	452m E	Unspecified Tank	1954	327642
E	452m E	Tanks	1974	322681
E	452m E	Unspecified Tank	1984	316389
E	452m E	Unspecified Tank	1984	326176
E	453m E	Unspecified Tank	1984	328067
E	453m E	Unspecified Tank	1954	326176
E	453m E	Unspecified Tank	1954	326176
E	453m E	Unspecified Tank	1974	326176
E	453m E	Unspecified Tank	1954	328067
E	453m E	Unspecified Tank	1974	328067
E	454m E	Unspecified Tank	1954	328067
E	459m E	Unspecified Tank	1984	318351
E	460m E	Tanks	1999	310794
E	460m E	Unspecified Tank	1997	318351
E	460m E	Unspecified Tank	1993	318351
E	472m E	Unspecified Tank	1999	306521

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m **116**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Electricity Substation**	**1954**	**200791**
B	**On site**	**Electricity Substation**	**1995**	**200791**
B	**On site**	**Electricity Substation**	**1954**	**200791**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Electricity Substation**	**1987**	**209048**
B	**On site**	**Electricity Substation**	**1988**	**200791**
C	86m SW	Electricity Substation	1995	209381
C	88m SW	Electricity Substation	1988	209381
C	89m SW	Electricity Substation	1997	204928
C	89m SW	Electricity Substation	1994	204928
C	90m SW	Electricity Substation	1989	204928
D	126m S	Electricity Substation	1982	195088
D	127m S	Electricity Substation	1954	197753
D	127m S	Electricity Substation	1954	197753
M	174m W	Electricity Substation	1987	202070
M	176m W	Electricity Substation	1954	202070
M	176m W	Electricity Substation	1954	202070
M	177m W	Electricity Substation	1982	202070
N	182m NW	Electricity Substation	1995	194853
N	182m NW	Electricity Substation	1987	202739
N	183m NW	Electricity Substation	1988	194853
O	185m S	Electricity Substation	1997	211627
O	185m S	Electricity Substation	1993	211627
O	185m S	Electricity Substation	1999	211627
O	185m S	Electricity Substation	1974	211627
O	185m S	Electricity Substation	1984	202150
J	215m W	Electricity Substation	1995	190263
J	215m W	Electricity Substation	1988	190262
R	219m NE	Electricity Substation	1988	211360
R	223m NE	Electricity Substation	1997	211360
G	227m SE	Electricity Substation	1997	204092
G	227m SE	Electricity Substation	1993	204092

ID	Location	Land Use	Date	Group ID
G	227m SE	Electricity Substation	1999	204092
G	227m SE	Electricity Substation	1984	204092
G	228m SE	Electricity Substation	1974	204092
G	233m SE	Electricity Substation	1954	211409
G	233m SE	Electricity Substation	1954	211409
J	235m W	Electricity Substation	1995	202880
J	236m W	Electricity Substation	1988	202880
T	256m NW	Electricity Substation	1987	195328
T	257m NW	Electricity Substation	1995	195328
T	257m NW	Electricity Substation	1988	195328
W	278m N	Electricity Substation	1987	210329
X	281m SW	Electricity Substation	1982	194852
X	281m SW	Electricity Substation	1997	194852
X	281m SW	Electricity Substation	1994	194852
X	282m SW	Electricity Substation	1989	201944
W	288m N	Electricity Substation	1997	203933
W	289m N	Electricity Substation	1985	203933
W	289m N	Electricity Substation	1988	203933
AA	291m S	Electricity Substation	1997	202917
AA	291m S	Electricity Substation	1994	202917
AA	292m S	Electricity Substation	1982	202917
AA	293m S	Electricity Substation	1989	200460
AB	296m W	Electricity Substation	1954	195519
AB	296m W	Electricity Substation	1954	195519
E	297m E	Electricity Substation	1954	207849
E	298m E	Electricity Substation	1954	207849
E	299m E	Electricity Works	1924	191711
E	300m E	Power Station	1984	194713

ID	Location	Land Use	Date	Group ID
E	301m E	Power Station	1997	204764
E	301m E	Power Station	1997	211803
E	301m E	Power Station	1993	211803
E	301m E	Power Station	1999	211803
E	302m E	Power Station	1974	211803
E	302m E	Power Station	1981	204764
E	302m E	Power Station	1985	204764
E	302m E	Power Station	1988	204764
AC	313m SE	Electricity Substation	1954	201300
AC	313m SE	Electricity Substation	1974	201300
AC	314m SE	Electricity Substation	1954	201300
AC	314m SE	Electricity Substation	1984	201300
AC	314m SE	Electricity Substation	1997	201300
AC	314m SE	Electricity Substation	1993	201300
AC	314m SE	Electricity Substation	1999	201300
AE	320m N	Electricity Substation	1995	198531
AE	321m N	Electricity Substation	1987	198531
AE	321m N	Electricity Substation	1988	198531
E	327m E	Power Station	1987	194714
E	339m E	Power Station	1969	192118
11	339m E	Electricity Substation	1969	190271
AI	353m NW	Electricity Substation	1995	196870
AI	353m NW	Electricity Substation	1987	196870
AI	354m NW	Electricity Substation	1988	209985
AK	358m SW	Electricity Substation	1997	200529
AK	358m SW	Electricity Substation	1994	200529
AK	358m SW	Electricity Substation	1982	200529
AK	358m SW	Electricity Substation	1989	200529

ID	Location	Land Use	Date	Group ID
AM	369m NE	Electricity Substation	1997	201655
AM	370m NE	Electricity Substation	1987	201655
AM	371m NE	Electricity Substation	1985	201655
AM	371m NE	Electricity Substation	1988	201655
AN	372m W	Electricity Works	1966	205586
AN	372m W	Electricity Works	1972	205586
AO	374m W	Electricity Substation	1981	202420
AO	374m W	Electricity Substation	1988	202420
AO	374m W	Electricity Substation	1995	205290
AO	375m W	Electricity Substation	1987	202420
E	386m E	Electricity Substation	1984	211866
E	387m E	Electricity Substation	1974	211866
AG	387m S	Electricity Substation	1982	206858
AG	387m S	Electricity Substation	1989	206858
U	392m SW	Electricity Substation	1982	210487
U	392m SW	Electricity Substation	1997	210487
U	392m SW	Electricity Substation	1994	210487
U	392m SW	Electricity Substation	1989	195180
E	411m E	Gasholder	1954	191682
E	411m E	Gas Holder	1954	192027
E	427m E	Gas Pipeline Station	1984	207619
E	427m E	Gas Pipeline Station	1997	207619
E	427m E	Gas Pipeline Station	1993	207619
E	427m E	Gas Pipeline Station	1999	207619
E	428m E	Gas Pipeline Station	1974	195181
13	428m SW	Electricity Substation	1997	190269
AP	437m SW	Electricity Substation	1994	200862
AP	437m SW	Electricity Substation	1982	204683

ID	Location	Land Use	Date	Group ID
AP	438m SW	Electricity Substation	1989	204683

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	1

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
Y	354m S	Motor Service Depot	1974	61009

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

Site Outline

Search buffers in metres (m)

Active or recent landfill

Historical landfill (EA/NRW)

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	1

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Details	
10	477m N	Operator: Slough Borough Council Site Address: Kennedy Park Extension, Long Furlong Drive, Slough, Buckinghamshire, SL2	WML Number: 83078 EPR Reference: SBC001 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Closure IPPC Reference: - EPR Number: EA/EPR/ZP3993ER/V003

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Details		
6	450m N	Site Address: Northborough Road, Slough Licence Holder Address: -	Waste Licence: - Site Reference: 54/12/4/141, SLO3 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1960 Last Recorded: 31/12/1984
8	459m NE	Site Address: Pennine Road, Slough Licence Holder Address: -	Waste Licence: - Site Reference: SLO16 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1960 Last Recorded: 31/12/1970

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	0

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	6

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 37**

ID	Location	Details		
C	307m E	Site Name: Fibre Fuel Limited Site Address: 6, Edinburgh Avenue, Slough, Berkshire, SL1 4TT Correspondence Address: 381, Sykes Road, Slough Trading Estate, Slough, Berkshire, SL1 4SP	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FIB003 EPR reference: - Operator: Fibre Fuel Limited Waste Management licence No: 83357 Annual Tonnage: 0	Issue Date: 14/09/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	307m E	Site Name: Fibre Fuel Limited Site Address: Fibre Fuel Limited, 6, Edinburgh Avenue, Slough, Buckinghamshire, SL1 4TT Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FIB003 EPR reference: EA/EPR/ZP3690EG/A001 Operator: Fibre Fuel Ltd Waste Management licence No: 83357 Annual Tonnage: 125000	Issue Date: 14/09/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC

ID	Location	Details		
E	326m W	Site Name: I S A London & South East Hub Site Address: I S A London & South East Hub, 959, Weston Road, Slough Trading Estate, Slough, Berkshire, SL1 4NH Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: G4S002 EPR reference: EA/EPR/YP3191EJ/A001 Operator: G 4 S Facilities Management (U K) Limited Waste Management licence No: 102802 Annual Tonnage: 74999	Issue Date: 13/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	326m W	Site Name: I S A London & South East Hub Site Address: I S A London & South East Hub, 959, Weston Road, Slough Trading Estate, Slough, Berkshire, SL1 4NH Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: G4S002 EPR reference: EA/EPR/YP3191EJ/A001 Operator: G 4 S Facilities Management (U K) Limited Waste Management licence No: 102802 Annual Tonnage: 74999	Issue Date: 13/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	326m W	Site Name: I S A London & South East Hub Site Address: I S A London & South East Hub, 959, Weston Road, Slough Trading Estate, Slough, Berkshire, SL1 4NH Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: G4S002 EPR reference: EA/EPR/YP3191EJ/A001 Operator: G 4 S Integrated Services (U K) Ltd Waste Management licence No: 102802 Annual Tonnage: 74999	Issue Date: 13/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
E	326m W	Site Name: I S A London & South East Hub Site Address: I S A London & South East Hub, 959, Weston Road, Slough Trading Estate, Slough, Berkshire, SL1 4NH Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: G4S002 EPR reference: EA/EPR/YP3191EJ/A001 Operator: G 4 S Facilities Management (U K) Limited Waste Management licence No: 102802 Annual Tonnage: 74999	Issue Date: 13/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m **21**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 37**

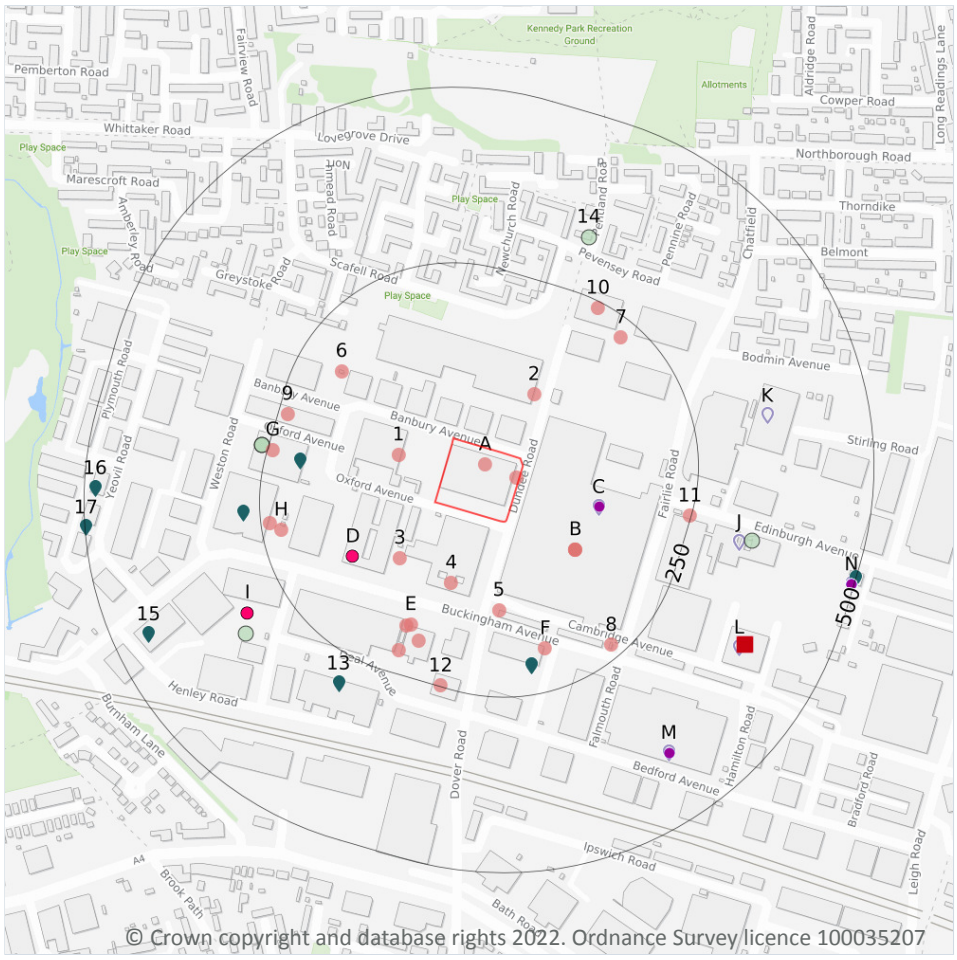
ID	Location	Site	Reference	Category	Sub-Category	Description
1	120m N	Iron Mountain Data Centre, 724 Dundee Road, Slough, SL1 4JU	WEX282222	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	156m S	19c Buckingham Avenue SLOUGH SL1 4QB	EPR/XH0719DY/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
3	209m S	4, Buckingham Avenue, Slough Trading Estate, Slough, SL1 4SF	WEX002687	Using waste exemption	Not on a farm	Use of waste in construction
A	210m NE	126 FAIRLIE ROAD SLOUGH BERKSHIRE SL1 4PY	EPR/YF0504GX/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
A	210m NE	126 FAIRLIE ROAD SLOUGH BERKSHIRE SL1 4PY	EPR/YF0504GX/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
B	260m S	221, DOVER ROAD, SLOUGH, SL1 4RF	WEX043826	Storing waste exemption	Not on a farm	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
B	260m S	221, DOVER ROAD, SLOUGH, SL1 4RF	WEX043826	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
D	322m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/CF0703XL/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
D	334m SW	762 Henley Road Slough Berkshire SL1 4DX	EPR/MF0509MH/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
D	334m SW	762 Henley Road Berkshire SL1 4DX	EPR/AF0705MA/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	366m SE	22B, BUCKINGHAM AVENUE, SLOUGH, SL1 4QA	WEX180581	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	366m SE	22B, BUCKINGHAM AVENUE, SLOUGH, SL1 4QA	WEX009662	Storing waste exemption	Not on a farm	Storage of waste in secure containers
4	398m SW	765 HENLEY ROAD SLOUGH BERKSHIRE SL1 4JW	EPR/JF0508CR/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
5	405m NW	920, YEOVIL ROAD, SLOUGH, SL1 4NH	WEX248213	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
7	454m E	705-707 Stirling Road SLOUGH SL1 4SY	EPR/NF0635AD/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
9	475m W	920 Yeovil Road SLOUGH SL1 4NH	EPR/FH0712QS/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



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Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- List 1 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m	25

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Mega-pak**	**Bay 12 Building 1, Banbury Avenue, Slough, Berkshire, SL1 4LH**	**Packaging**	**Industrial Products**
A	**On site**	**Electricity Sub Station**	**Berkshire, SL1**	**Electrical Features**	**Infrastructure and Facilities**

ID	Location	Company	Address	Activity	Category
1	69m W	Robert Walpole & Partners	Building 1, Banbury Avenue, Slough, Berkshire, SL1 4LH	Structural Engineers	Engineering Services
2	93m N	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
3	94m SW	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
4	104m S	John Crane UK Ltd	Buckingham House 351, Buckingham Avenue, Slough, Berkshire, SL1 4LU	Seals, Tapes, Taps and Valves	Industrial Products
B	107m SE	Mars Chocolate UK Ltd	3-3d, Dundee Road, Slough, Berkshire, SL1 4LG	Baking and Confectionery	Foodstuffs
B	107m SE	Mars Wrigley	3-3d, Dundee Road, Slough, Berkshire, SL1 4LG	Baking and Confectionery	Foodstuffs
B	107m SE	Mars UK	4d, Dundee Road, Slough, Berkshire, SL1 4LG	Catering and Non Specific Food Products	Foodstuffs
5	126m S	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
E	177m S	Mast (Telecommunication)	Berkshire, SL1	Telecommunications Features	Infrastructure and Facilities
E	180m S	Pylon	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
6	186m NW	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
F	190m S	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
E	196m S	Europcar	2c, Buckingham Avenue, Slough, Berkshire, SL1 4NB	Vehicle Hire and Rental	Hire Services
E	217m S	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
H	223m W	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
7	224m NE	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
8	232m SE	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
9	237m W	Engineering Support Solutions UK Ltd	803, Oxford Avenue, Slough, Berkshire, SL1 4LN	Mechanical Engineers	Engineering Services
H	237m W	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
10	241m NE	Jump In	550, Dundee Road, Slough, Berkshire, SL1 4JU	Hobby, Sports and Pastime Products	Consumer Products
G	243m W	Tigers Global Logistics Ltd	812, Oxford Avenue, Slough, Berkshire, SL1 4LN	Distribution and Haulage	Transport, Storage and Delivery
11	248m E	Electricity Sub Station	Berkshire, SL1	Electrical Features	Infrastructure and Facilities
12	249m S	Slough Audi	756, Dover Road, Slough, Berkshire, SL1 4RF	New Vehicles	Motoring

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	**33**

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Details	
C	120m E	Operator: MARS UK LTD Installation Name: SLOUGH CHOCOLATE FACTORY Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D Permit Number: UP3038UV Original Permit Number: BO7520IM	EPR Reference: - Issue Date: 01/04/2009 Effective Date: 01/04/2009 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
C	120m E	Operator: MARS CHOCOLATE UK LTD. Installation Name: SLOUGH CHOCOLATE FACTORY Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC ANIMAL RAW MATERIALS (NOT MILK) FOR FOOD >75T/D Permit Number: VP3239GT Original Permit Number: VP3239GT	EPR Reference: EA/EPR/VP3239GT/T001 Issue Date: 03/04/2009 Effective Date: 03/04/2009 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
C	120m E	Operator: MARS UK LTD Installation Name: SLOUGH CHOCOLATE FACTORY Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC ANIMAL RAW MATERIALS (NOT MILK) FOR FOOD >75T/D Permit Number: BO7520IM Original Permit Number: BO7520IM	EPR Reference: EA/EPR/BO7520IM/T003 Issue Date: 09/11/2005 Effective Date: 09/11/2005 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
C	120m E	Operator: MARS CHOCOLATE UK LTD. Installation Name: SLOUGH CHOCOLATE FACTORY EPR/VP3239GT/V002 Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC ANIMAL RAW MATERIALS (NOT MILK) FOR FOOD >75T/D Permit Number: KP3139VF Original Permit Number: VP3239GT	EPR Reference: - Issue Date: 27/02/2014 Effective Date: 27/02/2014 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
C	120m E	Operator: MARS CHOCOLATE UK LTD. Installation Name: SLOUGH CHOCOLATE FACTORY EPR/VP3239GT/V002 Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: KP3139VF Original Permit Number: VP3239GT	EPR Reference: - Issue Date: 27/02/2014 Effective Date: 27/02/2014 Last date noted as effective: 13/06/2022 Status: EFFECTIVE

ID	Location	Details	
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3039FL Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 27/06/2011 Effective Date: 27/06/2011 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: CP3031SX Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 21/12/2006 Effective Date: 21/12/2006 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3039FL Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 27/06/2011 Effective Date: 27/06/2011 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3031SX Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 21/12/2006 Effective Date: 21/12/2006 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3031SX Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 21/12/2006 Effective Date: 21/12/2006 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: ASSOCIATED PROCESS Permit Number: UP3039FL Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 27/06/2011 Effective Date: 27/06/2011 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: ASSOCIATED PROCESS Permit Number: CP3031SX Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 21/12/2006 Effective Date: 21/12/2006 Last date noted as effective: 13/06/2022 Status: SUPERCEDED

ID	Location	Details	
J	326m E	Operator: SLOUGH HEAT AND POWER Installation Name: SLOUGH HEAT AND POWER LIMITED Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: UP3039FL Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 27/06/2011 Effective Date: 27/06/2011 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
K	355m E	Operator: CYRUSONE UK3 LTD Installation Name: CYRUSONE LONDON 3 DATACENTRE Process: ASSOCIATED PROCESS Permit Number: EP3608PM Original Permit Number: EP3608PM	EPR Reference: - Issue Date: 16/02/2021 Effective Date: 16/02/2021 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
K	355m E	Operator: CYRUSONE UK3 LTD Installation Name: CYRUSONE LONDON 3 DATACENTRE Process: COMBUSTION; ANY FUEL =>50MW Permit Number: EP3608PM Original Permit Number: EP3608PM	EPR Reference: - Issue Date: 16/02/2021 Effective Date: 16/02/2021 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
L	377m SE	Operator: METAL COLOURS LTD Installation Name: SLOUGH ELECTROPLATING EPR/BO8135IK Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: BO8135IK Original Permit Number: BO8135IK	EPR Reference: - Issue Date: 02/02/2005 Effective Date: 04/04/2018 Last date noted as effective: 13/06/2022 Status: REVOKED
L	377m SE	Operator: METAL COLOURS LTD Installation Name: SLOUGH ELECTROPLATING EPR/BO8135IK Process: COATING PRINTING AND TEXTILES; REPAINTING OR RESPRAYING VEHICLES >1T/12 MONTHS UNLESS 6.4 A2 Permit Number: BO8135IK Original Permit Number: BO8135IK	EPR Reference: - Issue Date: 02/02/2005 Effective Date: 04/04/2018 Last date noted as effective: 13/06/2022 Status: REVOKED
M	403m SE	Operator: EQUINIX (UK) LIMITED Installation Name: EQUINIX SLOUGH CAMPUS - EPR/LP3303PR Process: COMBUSTION; ANY FUEL =>50MW Permit Number: EP3109SQ Original Permit Number: LP3303PR	EPR Reference: - Issue Date: 08/11/2021 Effective Date: 08/11/2021 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
M	403m SE	Operator: EQUINIX (UK) LIMITED Installation Name: EQUINIX LD13X DATA CENTRE - EPR/LP3205LW Process: COMBUSTION; ANY FUEL =>50MW Permit Number: LP3205LW Original Permit Number: LP3205LW	EPR Reference: - Issue Date: 05/11/2021 Effective Date: 05/11/2021 Last date noted as effective: 13/06/2022 Status: TRANSFER EFFECTIVE

ID	Location	Details	
M	403m SE	Operator: EQUINIX (UK) LIMITED Installation Name: EQUINIX SLOUGH CAMPUS DATA CENTRE Process: COMBUSTION; ANY FUEL =>50MW Permit Number: LP3303PR Original Permit Number: LP3303PR	EPR Reference: - Issue Date: 26/02/2020 Effective Date: 26/02/2020 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER Process: COMBUSTION; ANY FUEL =>50MW Permit Number: RP3330JV Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 12/10/2017 Effective Date: 12/10/2017 Last date noted as effective: 01/01/2018 Status: EFFECTIVE
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: VP3031WU Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 14/07/2016 Effective Date: 14/07/2016 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: XP3805BG Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 26/10/2020 Effective Date: 26/10/2020 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: COMBUSTION; ANY FUEL =>50MW Permit Number: RP3330JV Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 12/10/2017 Effective Date: 12/10/2017 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: RP3330JV Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 12/10/2017 Effective Date: 12/10/2017 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: RP3330JV Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 12/10/2017 Effective Date: 12/10/2017 Last date noted as effective: 13/06/2022 Status: SUPERCEDED

ID	Location	Details	
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: COMBUSTION; ANY FUEL =>50MW Permit Number: XP3805BG Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 26/10/2020 Effective Date: 26/10/2020 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: XP3805BG Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 26/10/2020 Effective Date: 26/10/2020 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: ASSOCIATED PROCESS Permit Number: RP3330JV Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 12/10/2017 Effective Date: 12/10/2017 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER Process: ASSOCIATED PROCESS Permit Number: VP3031WU Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 14/07/2016 Effective Date: 14/07/2016 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER Process: COMBUSTION; ANY FUEL =>50MW Permit Number: VP3031WU Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 14/07/2016 Effective Date: 14/07/2016 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER Process: COMBUSTION; ANY FUEL =>50MW Permit Number: VP3031WU Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 14/07/2016 Effective Date: 14/07/2016 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
N	496m E	Operator: SLOUGH HEAT & POWER LIMITED Installation Name: SLOUGH HEAT AND POWER, EDINBURGH AVENUE EPR/CP3031SX Process: ASSOCIATED PROCESS Permit Number: XP3805BG Original Permit Number: CP3031SX	EPR Reference: - Issue Date: 26/10/2020 Effective Date: 26/10/2020 Last date noted as effective: 13/06/2022 Status: EFFECTIVE

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	**9**

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Address	Details	
G	201m W	Wartsila Propulsion, 810 Oxford Avenue, Slough Industrial Estate, Slough, Berkshire, SL1 4LN	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	209m S	Duco Ltd, Eastbourne Road, Slough, Berks, SL1 4SF	Process: Textile & Fabric Coating Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	209m S	DUCO International Ltd, Eastbourne Road, Slough, Berks, SL1 4SF	Process: Textile & Fabric Coating Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	274m W	Surecast Foundries, Oxford Ave, Slough, SL1 4LN	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
13	292m SW	Autotech, Deal Avenue, Slough SL1 4SH	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	449m SW	Bodytechnics Limited, 778/779 Buckingham Ave, Slough Trading Estate, Slough, SL1 4NL	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	484m W	Chingford Metals, Yeovil Rd, Slough, SL2 5DS	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
17	498m W	Hankoe Stove Enamelling, 823 Yeovil Road, Slough, Berks, SL1 4JA	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	499m E	Slough Power Station, Trading Estate, Slough, Berks, SL1 4NB	Process: Coal & Coke Status: Historical Permit Permit Type: No Details	Enforcement: Enforcement Notified Date of enforcement: 01/01/2009 Comment: Combustion

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**7**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Address	Details	
D	140m SW	Ge Medical Systems Ltd, 352 Buckingham Avenue, Slough, SL1 4ER	Operator: Ge Medical Systems Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BW1815 Date of approval: 15/12/2003	Effective from: 15/12/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled
D	140m SW	Ge Medical Systems Ltd, 352 Buckingham Avenue, Slough, SL1 4ER	Operator: Ge Medical Systems Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BW1831 Date of approval: 15/12/2003	Effective from: 15/12/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled
I	310m SW	Xenova Ltd, 957 Buckingham Avenue, Slough, SL1 4NL	Operator: Xenova Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AA1856 Date of approval: 17/08/1994	Effective from: 14/09/1994 Last date of update: 01/01/2015 Status: Superseded By New Application
I	310m SW	Xenova Ltd, 957 Buckingham Avenue, Slough, SL1 4NL	Operator: Xenova Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AA1856 Date of approval: 06/06/2001	Effective from: 06/06/2001 Last date of update: 01/01/2015 Status: Superseded By Variation
I	310m SW	Xenova Ltd, 957 Buckingham Avenue, Slough, SL1 4NL	Operator: Xenova Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AA1856 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Revoked/cancelled
I	310m SW	Piramed Ltd, 957 Buckingham Avenue, Slough, SL1 4NL	Operator: Piramed Ltd Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: BV6277 Date of approval: 13/10/2003	Effective from: 20/10/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled

ID	Location	Address	Details	
I	310m SW	Piramed Ltd, 957 Buckingham Avenue, Slough, SL1 4NL	Operator: Piramed Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BV6285 Date of approval: 13/10/2003	Effective from: 13/10/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	**0**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	**1**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Name	Status	Receiving Water	Authorised Substances
L	383m SE	Metals Colours Ltd, 9 Cambridge Avenue, Slough Trading Est.	Active	Boveney Ditch, Thames	Cadmium

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	5

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Details	
G	259m W	Incident Date: 23/08/2001 Incident Identification: 42744 Pollutant: Other Pollutant Pollutant Description: Radionucleid	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	259m W	Incident Date: 23/08/2001 Incident Identification: 42744 Pollutant: Other Pollutant Pollutant Description: Radionucleid	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	327m SW	Incident Date: 22/09/2009 Incident Identification: 718331 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	330m N	Incident Date: 07/07/2001 Incident Identification: 14620 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	342m E	Incident Date: 07/05/2003 Incident Identification: 156865 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	**32**

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 44**

ID: M, Location: 404m SE, Permit: LP3303PR
Operator: Equinix (UK) Limited
Activity: COMBUSTION; ANY FUEL =>50MW
Address: Equinix Slough Campus Equinix Slough Campus Data Centre Buckingham Avenue Slough Trading Estate Berkshire SL1 4AX
Sector: Combustion, Sub-sector: Power
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Methane	10000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Particulate matter - PM2.5	1000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cadmium	1kg	0.00067kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Copper	20kg	0.00422kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	10.22kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chromium	10kg	69.84kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Anthracene	10kg	0.002kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Arsenic	1kg	0.85kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nickel	20kg	0.00668kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Lead	100kg	7.84kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Naphthalene	100kg	0.72kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Copper	10kg	4.09kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Lead	20kg	0.0036kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	159350000kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Phosphorus - as total P	5000kg	0.15435kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	0.00015kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Benzo(k)fluoranthene	1kg	0.0005kg
Air	Benzo(a)pyrene	1kg	0.0005kg
Air	Indeno(1,2,3-cd)pyrene	1kg	0.0005kg
Air	Benzo(b)fluoranthene	1kg	0.0005kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	207430.2kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrous oxide	10000kg	1350kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - PM10	1000kg	521.4kg
Air	Particulate matter - PM2.5	1000kg	521.4kg
Air	Particulate matter - total	10000kg	521.4kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mercury	0.1kg	0.00044kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Arsenic	5kg	0.00047kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	1912.1kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Cadmium	1kg	0.31kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Mercury	1kg	0.41kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Chromium	20kg	0.00322kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	19622kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	635.7kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon Dioxide From Qualifying Renewable Fuel Sources	0kg	152201000kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Zinc	100kg	0.00055kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nickel	10kg	5.11kg

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	32854kg

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	**3**

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 44**

ID: C, Location: 120m E, Permit: VP3239GT
Operator: MARS Chocolate UK Ltd.
Activity: TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ONLY ANIMAL RAW MATERIALS (OTHER THAN MILK ONLY) INTENDED FOR PRODUCTION OF FOOD OR FEED WITH A FINISHED PRODUCT CAPACITY GREATER THAN 75 T/D
Address: Slough Chocolate Factory Dundee Road Slough Berkshire SL1 4JX
Sector: Food & Drink, Sub-sector: Food & Drink
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5260	Absolute Value	02 06 01	materials unsuitable for consumption or processing	0
R1	Use principally as a fuel or other means to generate energy	782	Absolute Value	02 03 05	sludges from on-site effluent treatment	0
D10	Incineration on Land	867	Absolute Value	20 01 01	paper and cardboard	0
R4	Recycling/reclamation of metals and metal compounds	115.6	Absolute Value	20 01 40	metals	0
D10	Incineration on Land	465	Absolute Value	20 03 01	mixed municipal waste	0

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	11	Absolute Value	20 02 01	biodegradable waste	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.42	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.205	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.67	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.125	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.075	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.317	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.04	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.615	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.005	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.615	Absolute Value	16 06 01	lead batteries	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.317	Absolute Value	20 01 08	biodegradable kitchen and canteen waste	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.205	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.001	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.12	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.375	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	1

ID: M, Location: 404m SE, Permit: LP3303PR
Operator: Equinix (UK) Limited
Activity: COMBUSTION; ANY FUEL =>50MW
Address: Equinix Slough Campus Equinix Slough Campus Data Centre Buckingham Avenue Slough Trading Estate Berkshire SL1 4AX
Sector: Combustion, Sub-sector: Power
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.016	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.05	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.045	Absolute Value	16 01 07	oil filters	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.75	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.15	Absolute Value	16 06 01	lead batteries	1

ID: N, Location: 497m E, Permit: CP3031SX
Operator: Slough Heat & Power Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Slough Heat and Power,Edinburgh Avenue 342 Edinburgh Avenue Berkshire SL1 4TU
Sector: EfW, Sub-sector: EfW
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	4259.469	Absolute Value	19 01 11	bottom ash and slag containing dangerous substances	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1498.862	Absolute Value	19 01 07	solid wastes from gas treatment	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1628.51	Absolute Value	10 01 16	fly ash from co-incineration containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	36.64	Absolute Value	20 03 01	mixed municipal waste	0
R4	Recycling/reclamation of metals and metal compounds	139.32	Absolute Value	17 04 07	mixed metals	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.008	Absolute Value	15 01 05	composite packaging	0
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	69.692	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.7	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.08	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.07	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.02	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.18	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2.32	Absolute Value	17 06 05	construction materials containing asbestos	1

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1	Absolute Value	06 01 02	hydrochloric acid	1
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1.6	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

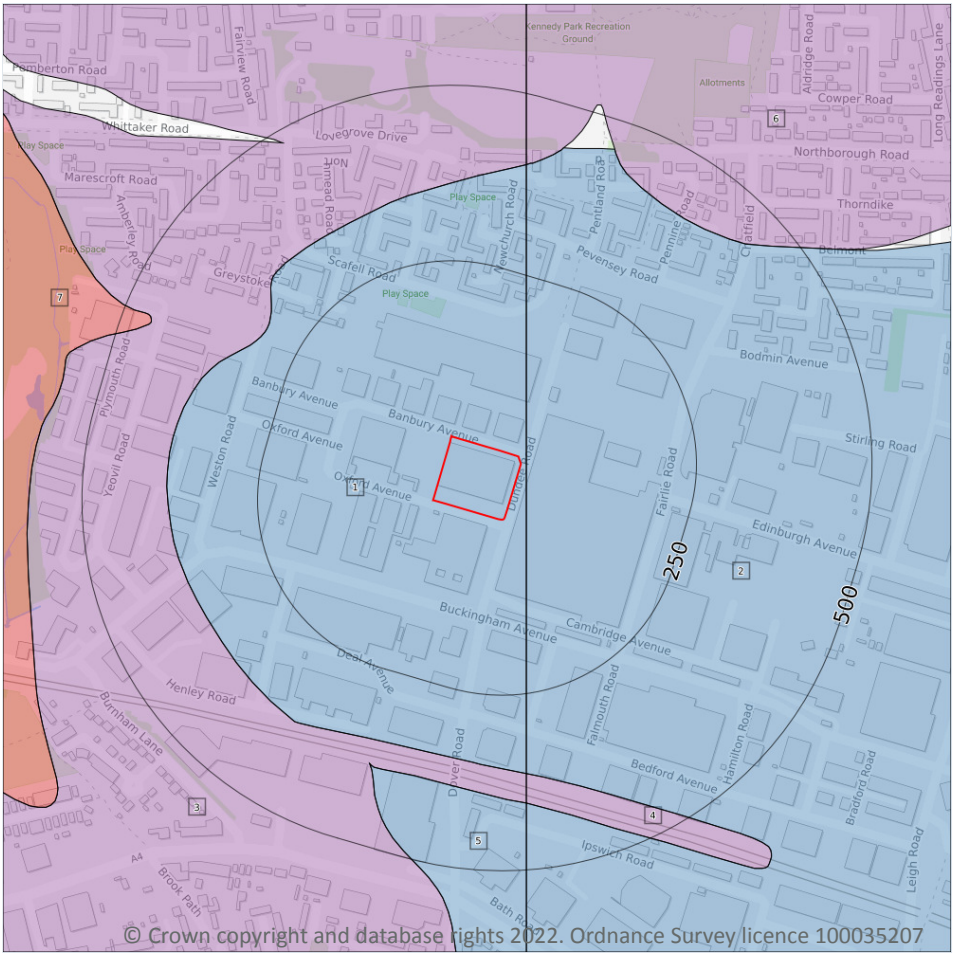
4.21 Pollution inventory radioactive waste

Records within 500m	**0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	7

Aquifer status of groundwater held within superficial geology.

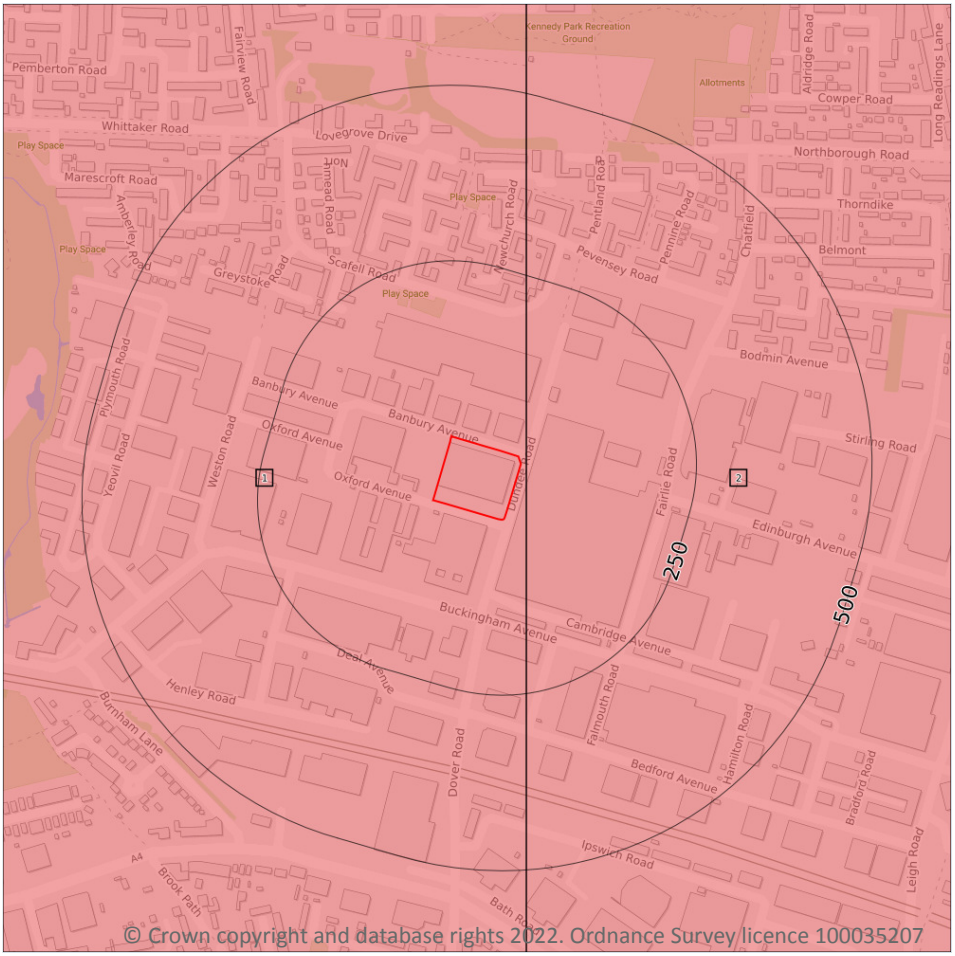
Features are displayed on the Hydrogeology map on **page 74**

ID	Location	Designation	Description
1	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
2	8m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	304m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	363m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
5	384m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	401m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
7	457m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	2

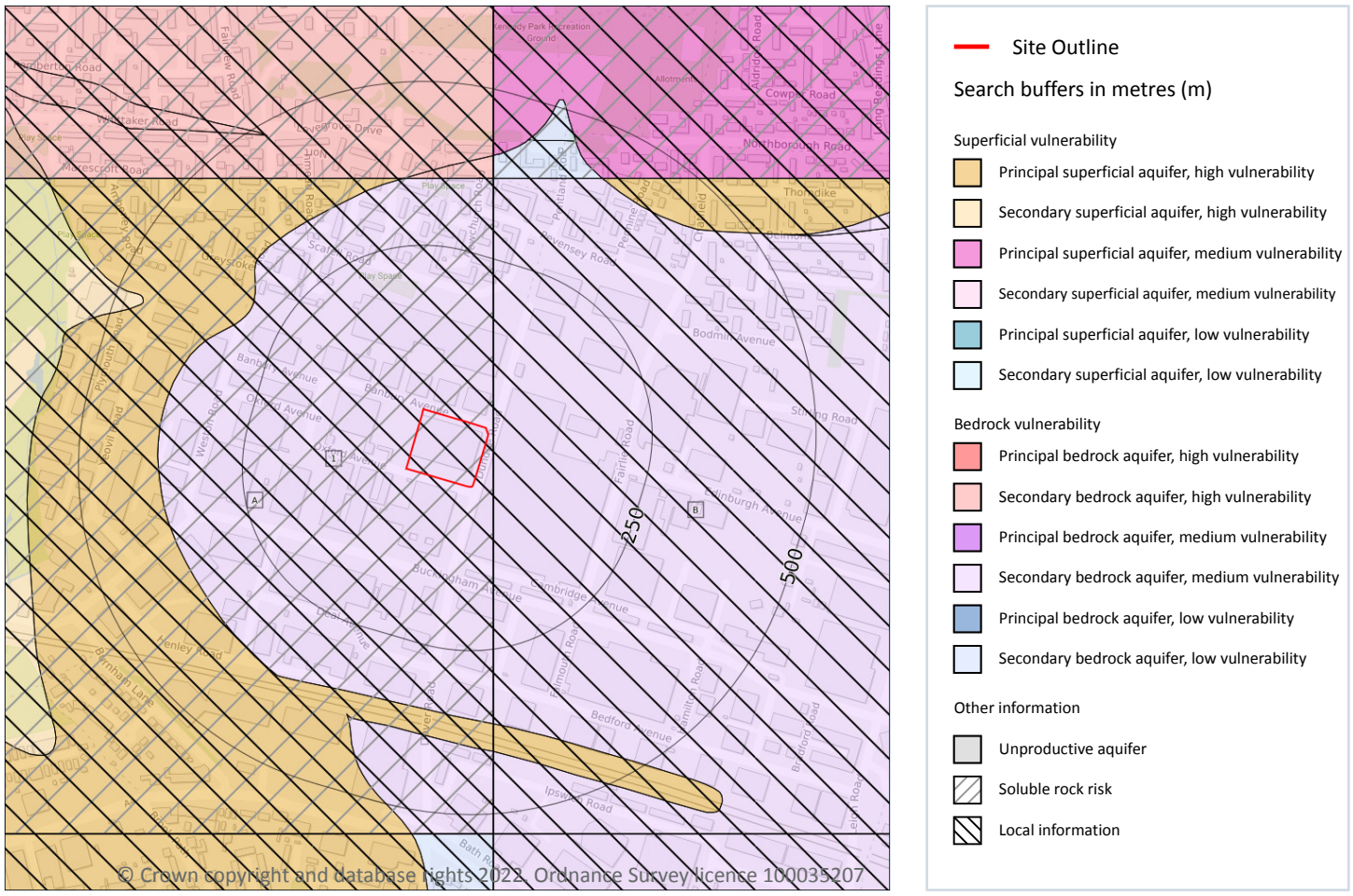
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 76**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	8m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 78**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: High**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
B	7m E	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**1**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**1.0%**

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

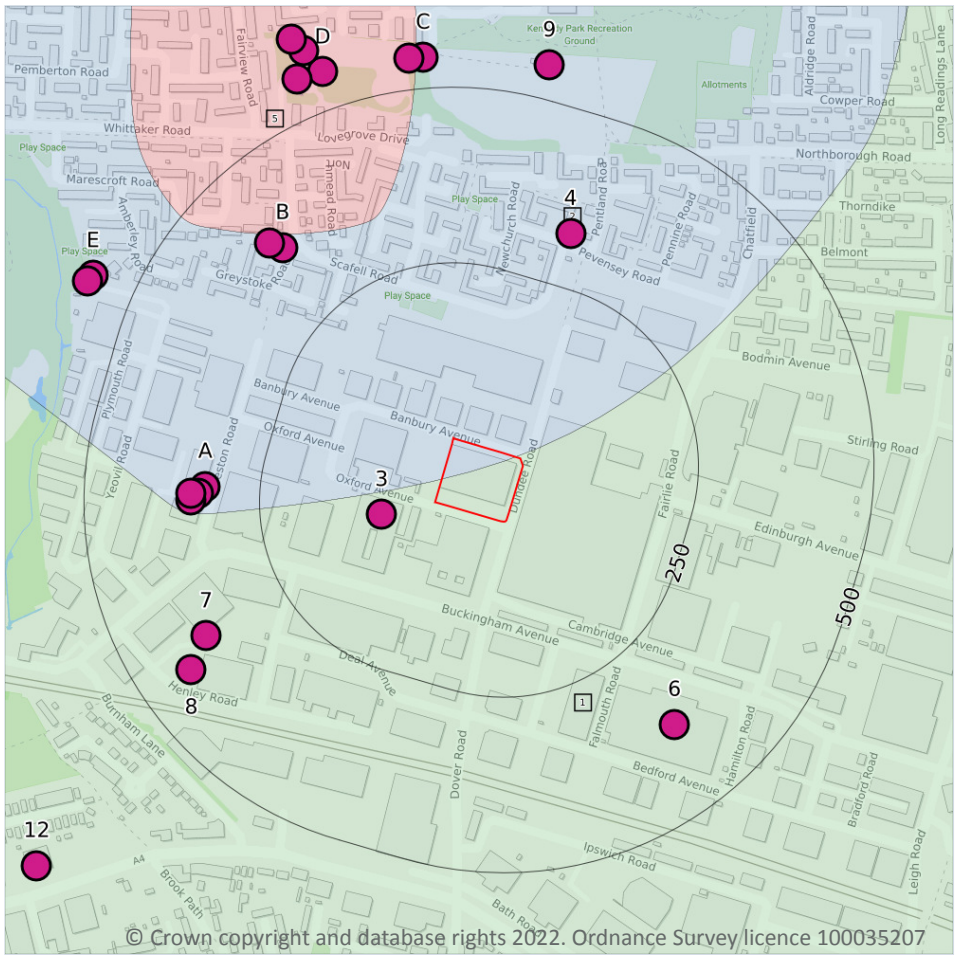
Records on site	**1**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

ID	Summary	Additional information
A	**Highly vulnerable Principal superficial aquifer present in river terrace gravels**	**Principal superficial aquifer in river terrace gravels with only a thin cover of low permeability silts and/or alluvium (shown as unproductive)**

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	32

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 81**

ID	Location	Details	
3	78m W	Status: Active Licence No: TH/039/0027/022 Details: Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: BUCKINGHAM AVENUE BOREHOLE Data Type: Point Name: Equinix (UK) Limited Easting: 494791 Northing: 181540	Annual Volume (m^3): 189,800 Max Daily Volume (m^3): 520 Original Application No: NPS/WR/030844 Original Start Date: 19/07/2016 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 16/01/2019 Version End Date: -
4	327m N	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE, BH 'D' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 495060 Northing: 181940	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -
A	328m W	Status: Historical Licence No: 28/39/27/0139 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT WESTON ROAD, SLOUGH TRADING ESTATE, SLOUGH Data Type: Point Name: SLOUGH ESTATES PLC Easting: 494540 Northing: 181580	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/06/2003 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 06/06/2003 Version End Date: -
A	337m W	Status: Historical Licence No: 28/39/27/0139 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT WESTON ROAD, SLOUGH TRADING ESTATE, SLOUGH Data Type: Point Name: SLOUGH ESTATES PLC Easting: 494530 Northing: 181570	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/06/2003 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 06/06/2003 Version End Date: -

ID	Location	Details	
A	347m W	Status: Historical Licence No: 28/39/27/0139 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'C' AT WESTON ROAD, SLOUGH TRADING ESTATE, SLOUGH Data Type: Point Name: SLOUGH ESTATES PLC Easting: 494520 Northing: 181560	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/06/2003 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 06/06/2003 Version End Date: -
A	347m W	Status: Historical Licence No: 28/39/27/0139 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'D' AT WESTON ROAD, SLOUGH TRADING ESTATE, SLOUGH Data Type: Point Name: SLOUGH ESTATES PLC Easting: 494520 Northing: 181570	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/06/2003 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 06/06/2003 Version End Date: -
B	364m NW	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'H' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494650 Northing: 181920	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -
6	376m SE	Status: Historical Licence No: TH/039/0027/022 Details: Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: BUCKINGHAM AVENUE BOREHOLE Data Type: Point Name: Equinix (UK) Limited Easting: 495208 Northing: 181241	Annual Volume (m^3): 189800 Max Daily Volume (m^3): 520 Original Application No: - Original Start Date: 19/07/2016 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 16/01/2019 Version End Date: -
7	377m SW	Status: Active Licence No: TH/039/0027/025 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT BUCKINGHAM AV, SLOUGH Data Type: Point Name: CLEAN LINEN SERVICES LTD Easting: 494541 Northing: 181367	Annual Volume (m^3): 394,200 Max Daily Volume (m^3): 1,080 Original Application No: NPS/WR/036046 Original Start Date: 31/01/2017 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 20/08/2021 Version End Date: -

ID	Location	Details	
B	381m NW	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'H' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494632 Northing: 181926	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -
8	421m SW	Status: Active Licence No: TH/039/0027/031 Details: Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT LONDON DATA CENTRE 11 Data Type: Point Name: Equinix (UK) Limited Easting: 494520 Northing: 181319	Annual Volume (m^3): 367,500 Max Daily Volume (m^3): 1,728 Original Application No: NPS/WR/029766 Original Start Date: 04/02/2021 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 04/02/2021 Version End Date: -
C	544m N	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'F' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494850 Northing: 182191	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -
C	545m N	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'F' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494830 Northing: 182190	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -

ID	Location	Details	
9	549m N	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'E' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 495030 Northing: 182180	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -
D	554m N	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'G' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494707 Northing: 182170	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -
D	558m NW	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'G' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494670 Northing: 182160	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -
E	563m NW	Status: Historical Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'I' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494380 Northing: 181880	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16673 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 22/07/2014 Version End Date: -

ID	Location	Details	
E	567m NW	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'I' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494372 Northing: 181872	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -
D	591m N	Status: Historical Licence No: 28/39/27/0123 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'J' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494680 Northing: 182200	Annual Volume (m^3): 1,659,000 Max Daily Volume (m^3): 4545 Original Application No: - Original Start Date: 26/04/1993 Expiry Date: - Issue No: 101 Version Start Date: 22/07/2014 Version End Date: -
D	614m N	Status: Active Licence No: 28/39/27/0123 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'J' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494662 Northing: 182217	Annual Volume (m^3): 1,659,000 Max Daily Volume (m^3): 4,545 Original Application No: NPS/WR/027237 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 102 Version Start Date: 04/10/2017 Version End Date: -
-	659m N	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE, BH 'D' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 494988 Northing: 182301	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -

ID	Location	Details	
-	710m N	Status: Active Licence No: 28/39/27/0122 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH TRADING ESTATE BH 'E' Data Type: Point Name: SLOUGH ENERGY SUPPLIES LTD Easting: 495116 Northing: 182323	Annual Volume (m^3): 3,550,426 Max Daily Volume (m^3): 16,673 Original Application No: NPS/WR/027236 Original Start Date: 26/04/1993 Expiry Date: - Issue No: 103 Version Start Date: 04/10/2017 Version End Date: -
12	767m SW	Status: Historical Licence No: 28/39/26/0151 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: CONQUEST SERVICE ST., 370-372 BATH ROAD, SLOUGH- BOREHOLE Data Type: Point Name: TOTAL UK LIMITED Easting: 494300 Northing: 181040	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/03/2005 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 29/03/2005 Version End Date: -
-	958m S	Status: Historical Licence No: 28/39/27/0112 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: FACTORY AT BATH ROAD, SLOUGH BH 'A' Data Type: Point Name: SARA LEE HOUSEHOLD & PERS'L CARE Easting: 495200 Northing: 180600	Annual Volume (m^3): 163658 Max Daily Volume (m^3): 655 Original Application No: - Original Start Date: 14/05/1982 Expiry Date: - Issue No: 100 Version Start Date: 14/05/1982 Version End Date: -
-	958m S	Status: Historical Licence No: 28/39/27/0112 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: FACTORY AT BATH ROAD, SLOUGH BH 'A' Data Type: Point Name: UNILEVER UK LIMITED Easting: 495200 Northing: 180600	Annual Volume (m^3): 163,658 Max Daily Volume (m^3): 655 Original Application No: - Original Start Date: 14/05/1982 Expiry Date: - Issue No: 101 Version Start Date: 24/06/2011 Version End Date: -
-	958m S	Status: Historical Licence No: 28/39/27/0112 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: THAMES GROUNDWATER Point: FACTORY AT BATH ROAD, SLOUGH BH 'A' Data Type: Point Name: UNILEVER UK LIMITED Easting: 495200 Northing: 180600	Annual Volume (m^3): 163,658 Max Daily Volume (m^3): 655 Original Application No: - Original Start Date: 14/05/1982 Expiry Date: - Issue No: 101 Version Start Date: 24/06/2011 Version End Date: -

ID	Location	Details	
-	1020m E	Status: Active Licence No: TH/039/0027/032 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: UNDERGROUND STRATA COMPRISING OF CHALK Data Type: Point Name: Aeroserve Euro Limited Easting: 495950 Northing: 181249	Annual Volume (m^3): 157,680 Max Daily Volume (m^3): 432 Original Application No: NPS/WR/031497 Original Start Date: 24/06/2019 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 24/06/2019 Version End Date: -
-	1425m SE	Status: Active Licence No: TH/039/0027/019 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT AEROSERVE, 480 MALTON AVENUE Data Type: Point Name: Aeroserve Euro Limited Easting: 496181 Northing: 180782	Annual Volume (m^3): 62,050 Max Daily Volume (m^3): 170 Original Application No: NPS/WR/034035 Original Start Date: 14/04/2016 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 12/08/2020 Version End Date: -
-	1737m N	Status: Active Licence No: 28/39/27/0108 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: FARNHAM COMMON NURSERIES, CROWN LANE, FARNHAM ROYAL, BUCKS Data Type: Point Name: FARNHAM COMMON NURSERIES LTD Easting: 495234 Northing: 183352	Annual Volume (m^3): 15,000 Max Daily Volume (m^3): 208 Original Application No: NPS/WR/024316 Original Start Date: 13/12/1979 Expiry Date: - Issue No: 104 Version Start Date: 23/02/2017 Version End Date: -
-	1746m N	Status: Historical Licence No: 28/39/27/0108 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: FARNHAM COMMON NURSERIES, CROWN LANE, FARNHAM ROYAL, BUCKS Data Type: Point Name: FARNHAM COMMON NURSERIES LTD Easting: 495240 Northing: 183360	Annual Volume (m^3): 30000 Max Daily Volume (m^3): 208 Original Application No: - Original Start Date: 13/12/1979 Expiry Date: - Issue No: 103 Version Start Date: 20/04/2005 Version End Date: -

ID	Location	Details	
-	1750m N	Status: Historical Licence No: 28/39/27/0108 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: FARNHAM COMMON NURSERIES, FARNHAM ROYAL BH 'A' Data Type: Point Name: FARNHAM COMMON NURSERIES LTD Easting: 495210 Northing: 183370	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/12/1979 Expiry Date: - Issue No: 102 Version Start Date: 12/12/2000 Version End Date: -
-	1996m S	Status: Active Licence No: 28/39/27/0045 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: SLOUGH SEWAGE TREATMENT WORKS - WELL 'A' Data Type: Point Name: Thames Water Utilities Ltd Easting: 494380 Northing: 179620	Annual Volume (m^3): 160,000 Max Daily Volume (m^3): 1,400 Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/07/1999 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	0

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	3

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on **page 81**

ID	Location	Type	Description
1	**On site**	**3**	**Total catchment**
2	**On site**	**2**	**Outer catchment**
5	332m N	1	Inner catchment

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 91**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	**On site**	**River**	**Salthill Stream**	**GB106039023530**	**Thames Lower**	**Maidenhead and Sunbury**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 91**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1816m E	River	Salthill Stream	GB106039023530	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 91**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Twyford Tertiaries**	**GB40602G602700**	**Good**	**Good**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

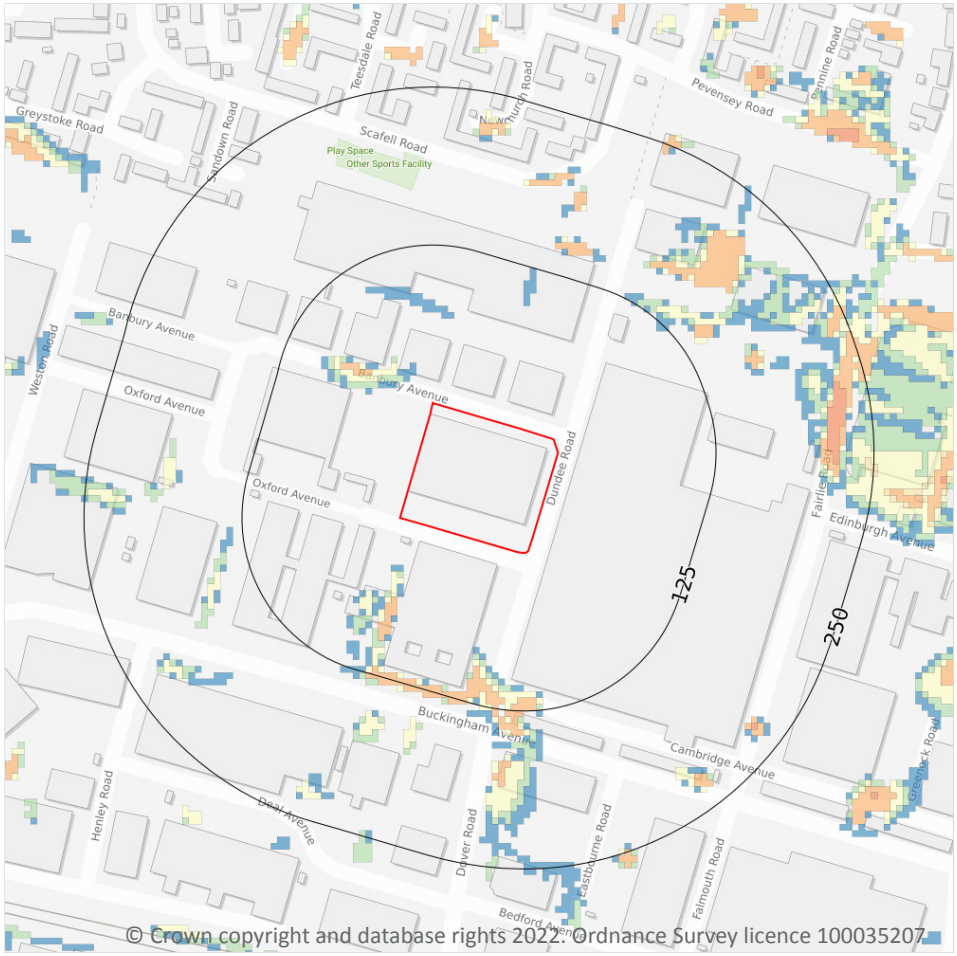
7.7 Flood Zone 3

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 100 year, 0.1m - 0.3m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 97**

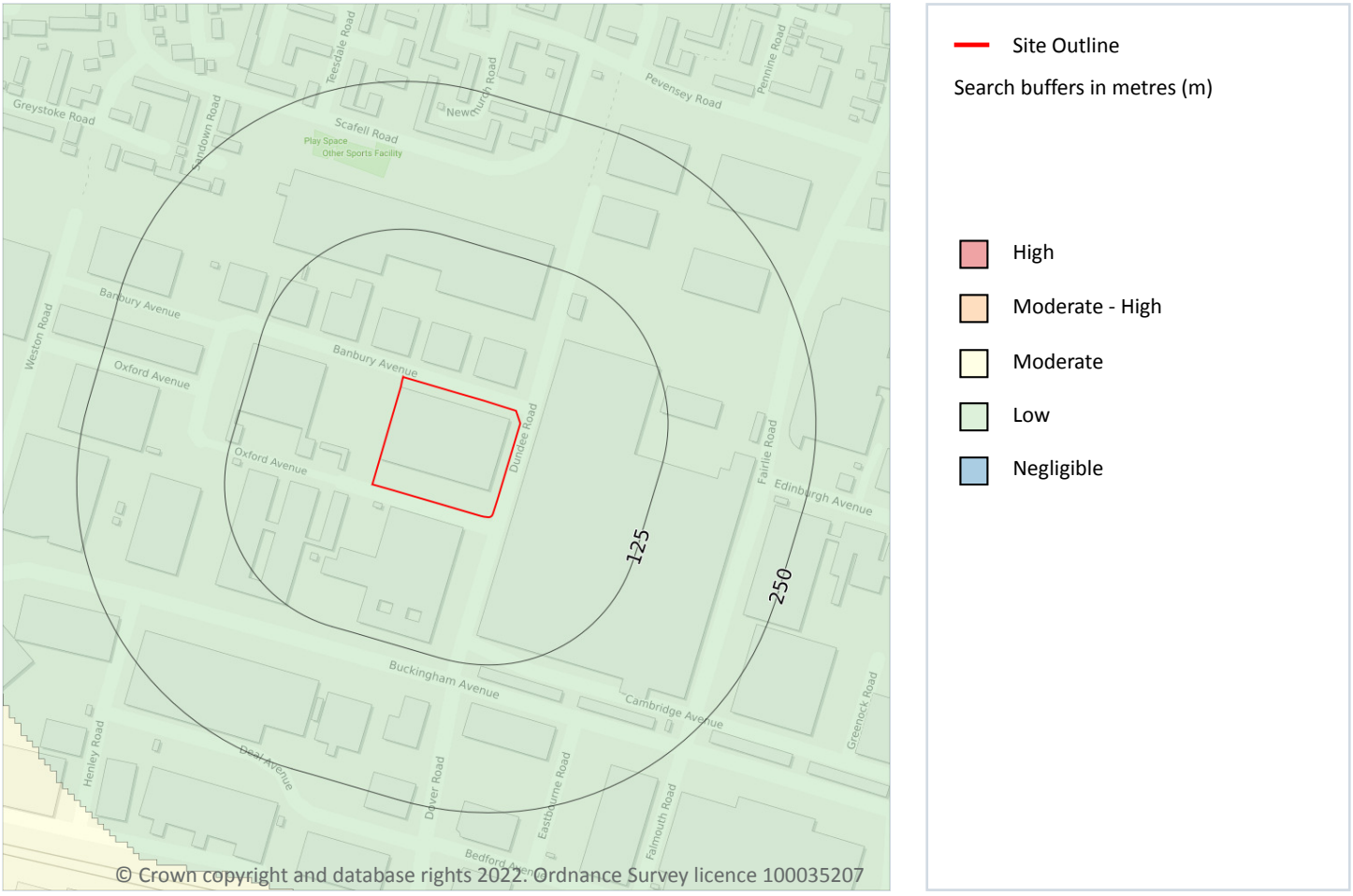
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

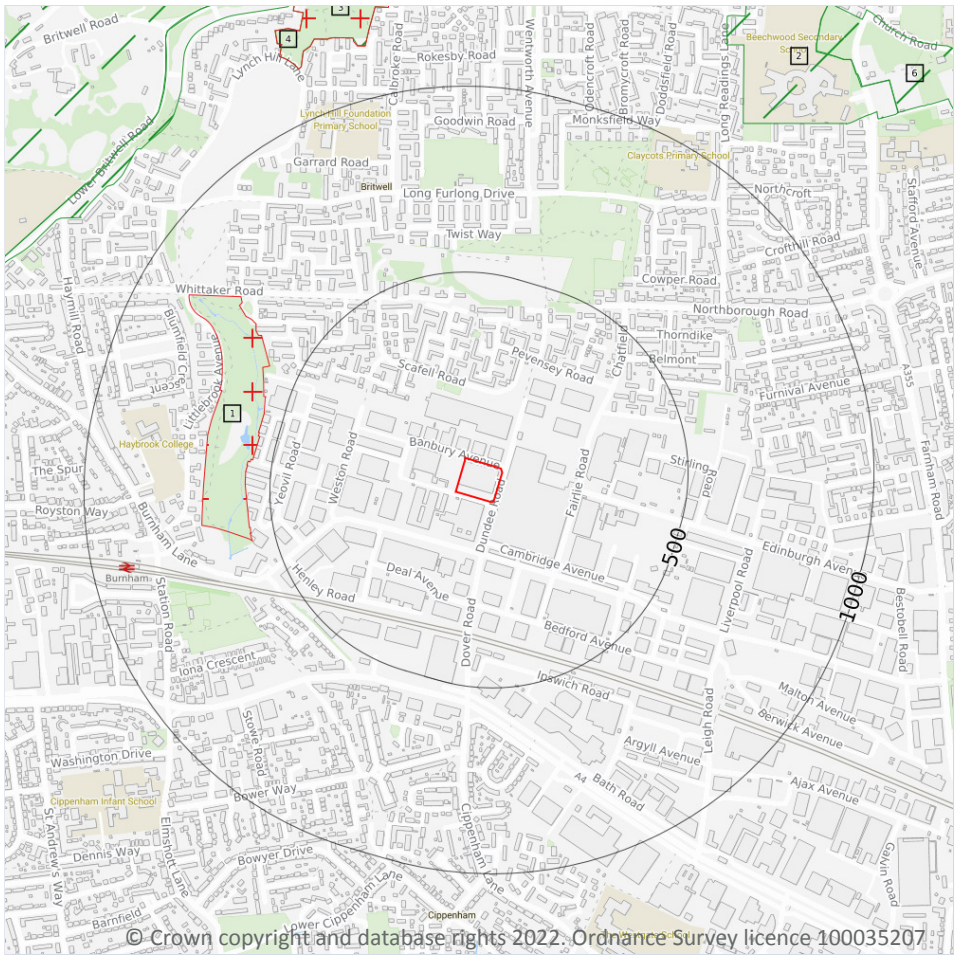
Highest risk on site	**Low**
Highest risk within 50m	**Low**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 99**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	2

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 100**

ID	Location	Name	Data source
1	548m W	Haymill Valley	Natural England
3	1138m NW	Cocksherd Wood	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	2

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 100**

ID	Location	Name	Woodland Type
-	1642m N	Unknown	Ancient & Semi-Natural Woodland
-	1724m NW	Unknown	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	8

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 100**

ID	Location	Name	Local Authority name
2	1134m NE	London	Slough
4	1138m NW	London	Slough
5	1238m NW	London	Buckinghamshire
6	1408m NE	London	Buckinghamshire
-	1479m W	London	Slough
-	1488m W	London	Buckinghamshire
-	1614m S	London	Slough
-	1887m E	London	Slough

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or ‘classified’) under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

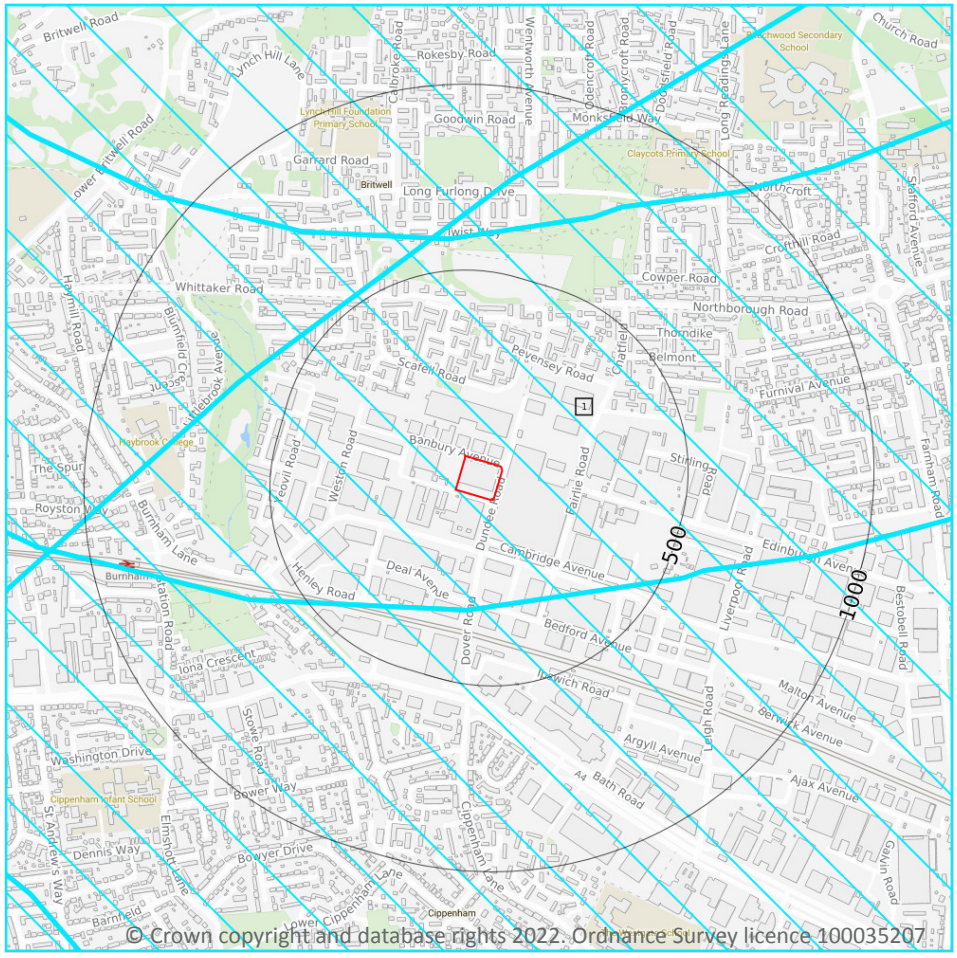
Records within 2000m	2

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1254m W	Roundmoor Ditch and Boveney Ditch NVZ	Surface Water	466	Existing
1356m S	Roundmoor Ditch and Boveney Ditch NVZ	Surface Water	466	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



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Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 106**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.** **Residential - Any residential developments with a total net gain in residential units.** **Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.** **Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t).** **Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.** **Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**0**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

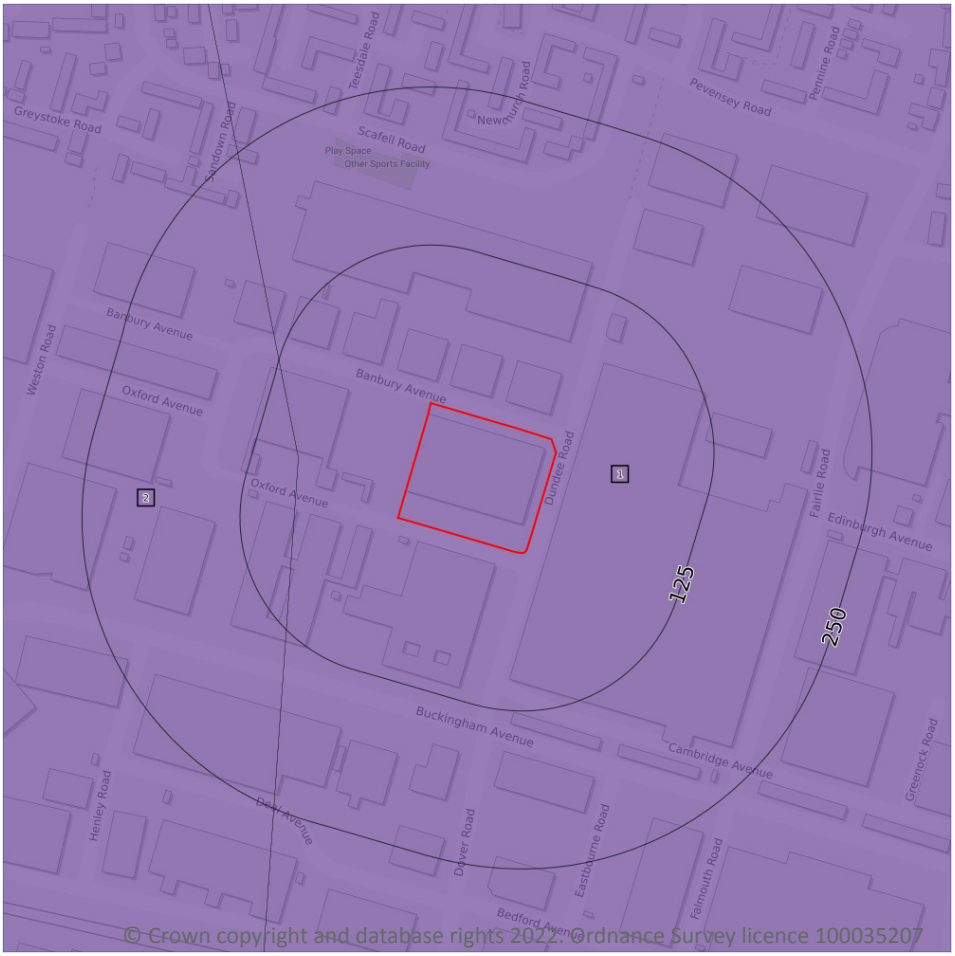
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 110**

ID	Location	Classification	Description
1	**On site**	**Urban**	**-**
2	82m W	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

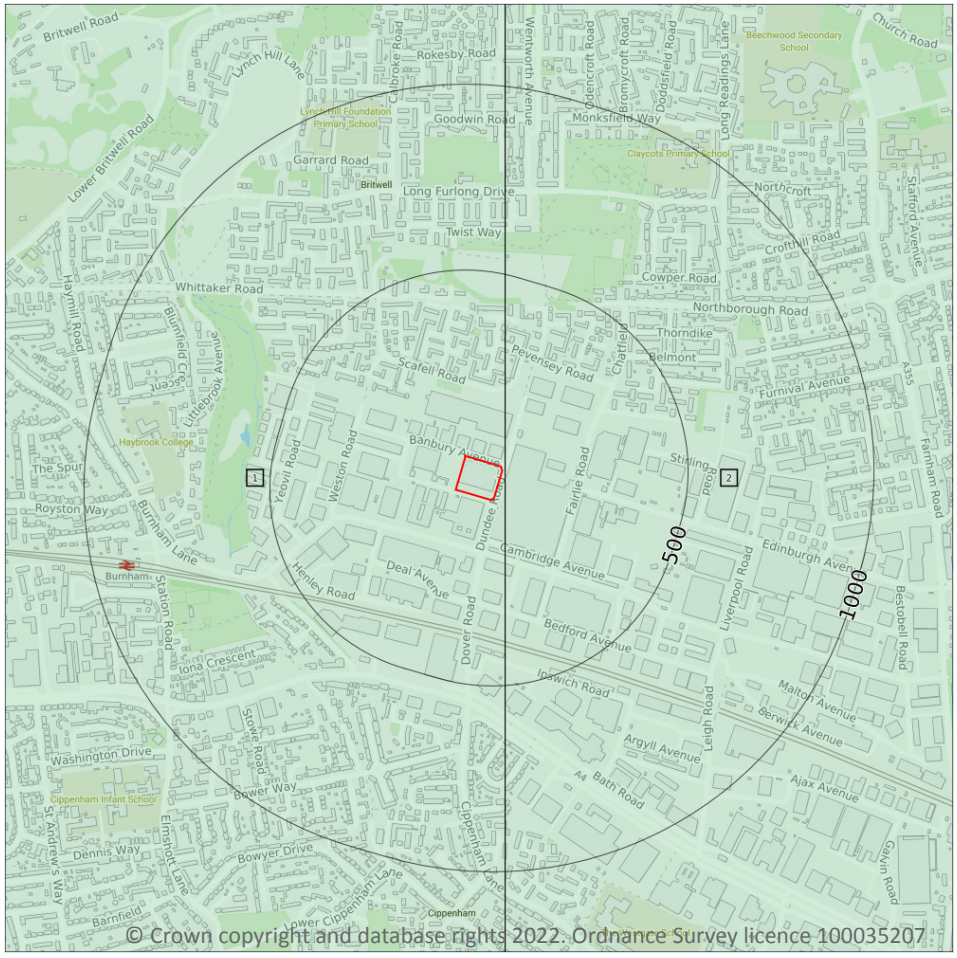
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	2

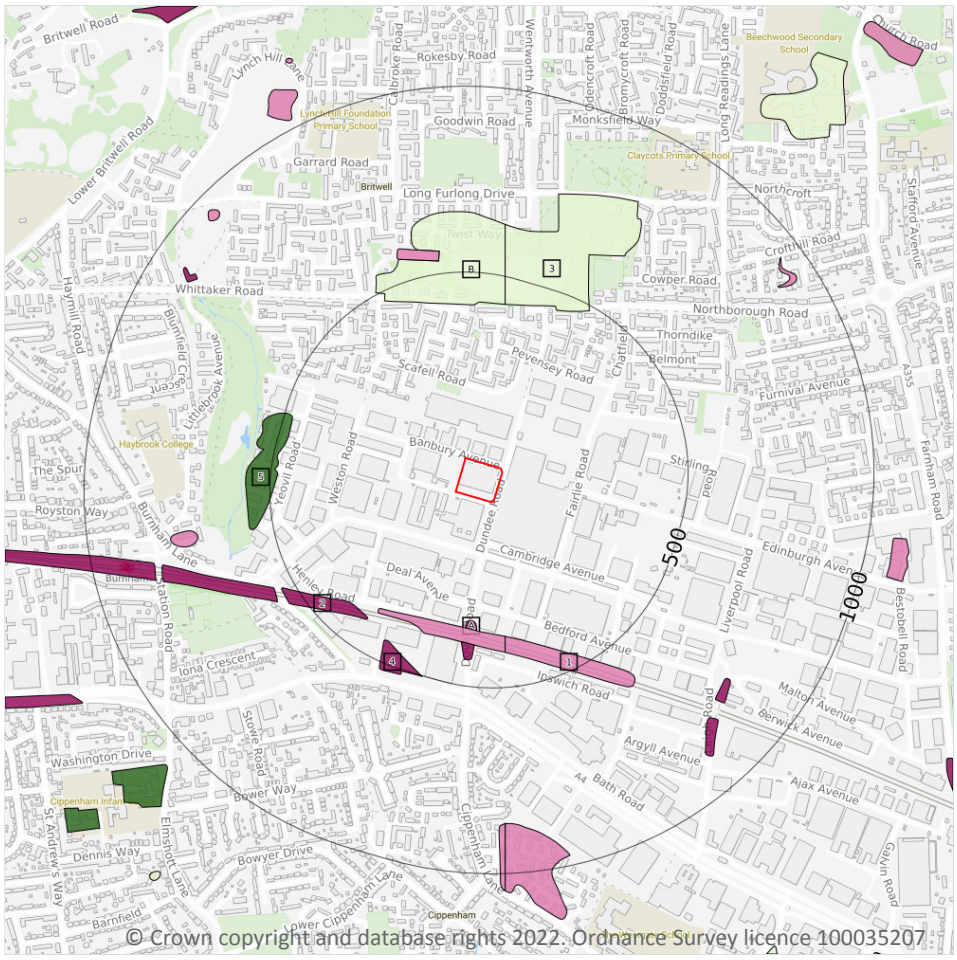
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 113**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SU98SW**
2	8m E	Full	Full	Full	No coverage	SU98SE

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



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Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	9

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

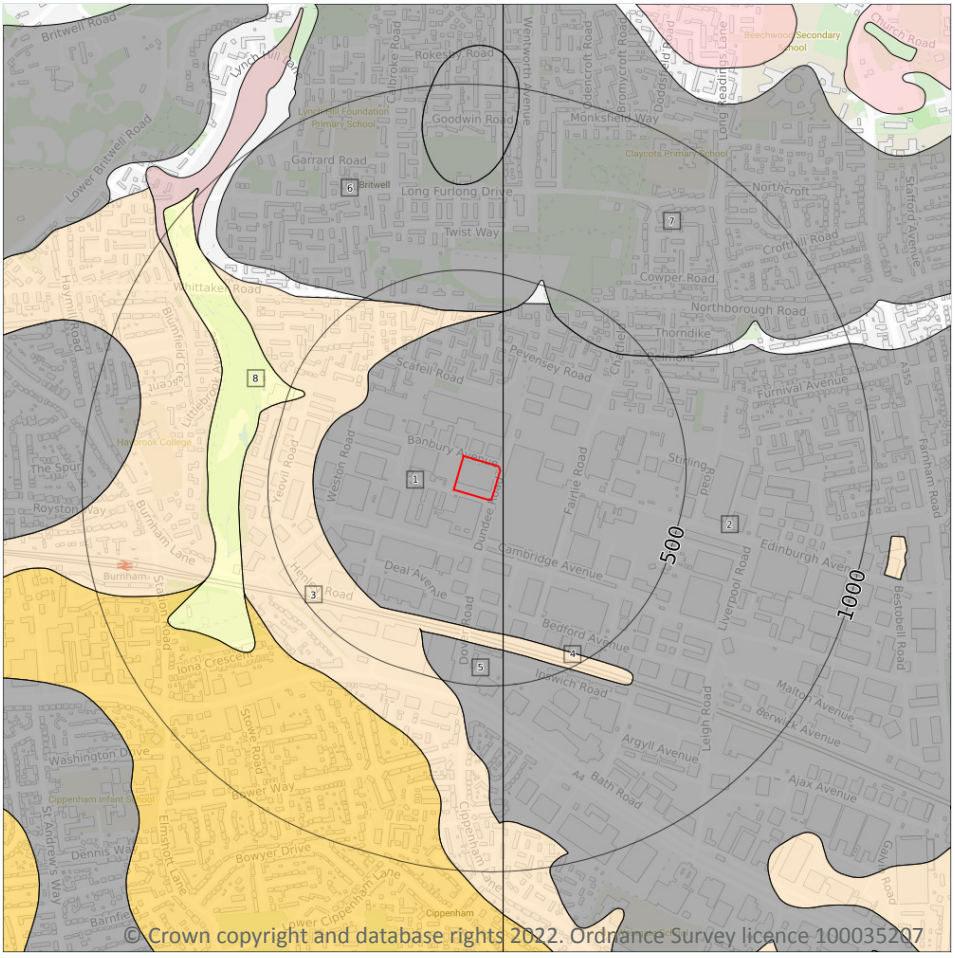
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 114**

ID	Location	LEX Code	Description	Rock description
A	323m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	345m S	WGR-VOID	Worked Ground (Undivided)	Void
1	363m S	WGR-VOID	Worked Ground (Undivided)	Void
A	384m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
2	410m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	412m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	427m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	440m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	473m W	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **8**

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 116**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LASI-Z**	**Langley Silt Member - Silt (unlithified Deposits Coding Scheme)**	**Silt**
2	8m E	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
3	304m NW	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	363m S	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
5	384m S	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
6	389m N	LHGR-V	Lynch Hill Gravel Member - Gravel (unlithified Deposits Coding Scheme)	Gravel
7	403m N	LHGR-V	Lynch Hill Gravel Member - Gravel (unlithified Deposits Coding Scheme)	Gravel
8	458m W	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay

This data is sourced from the British Geological Survey.

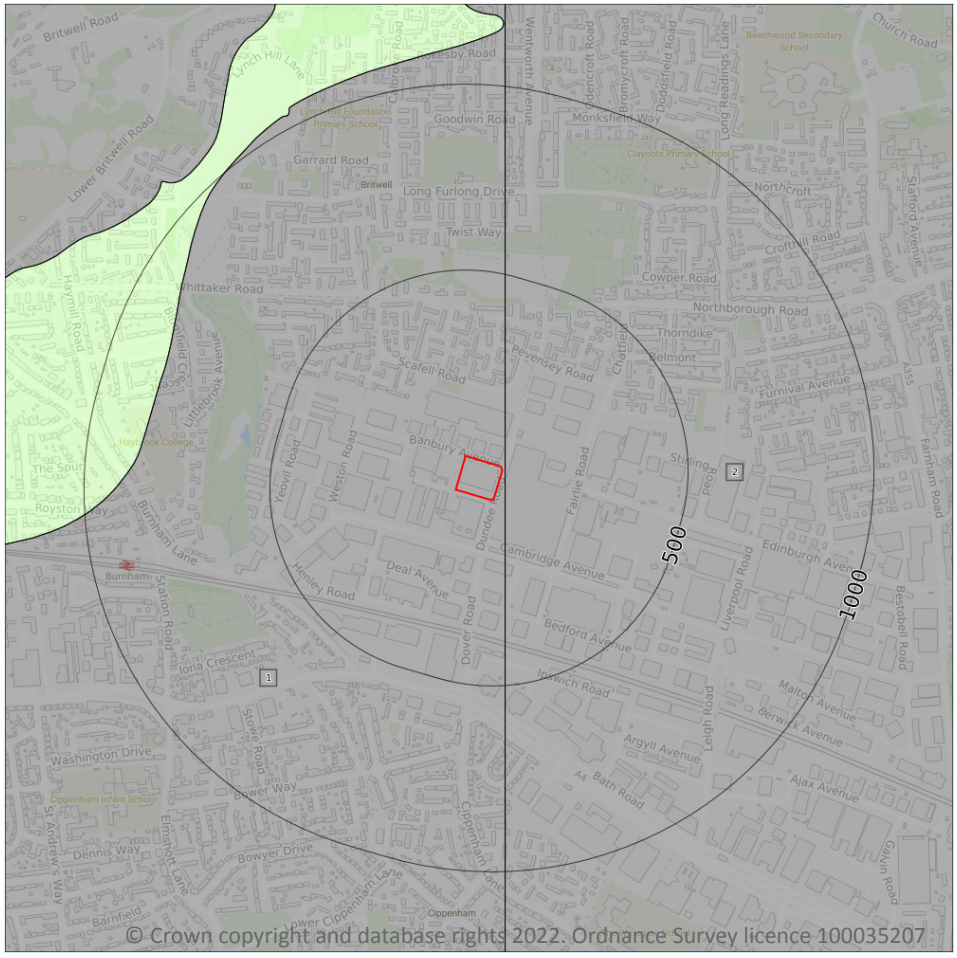
14.4 Landslip (10k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	2

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 118**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LMBE-CLSISA**	**Lambeth Group - Clay, Silt And Sand**	**Paleocene Epoch**
2	8m E	LMBE-CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch

This data is sourced from the British Geological Survey.

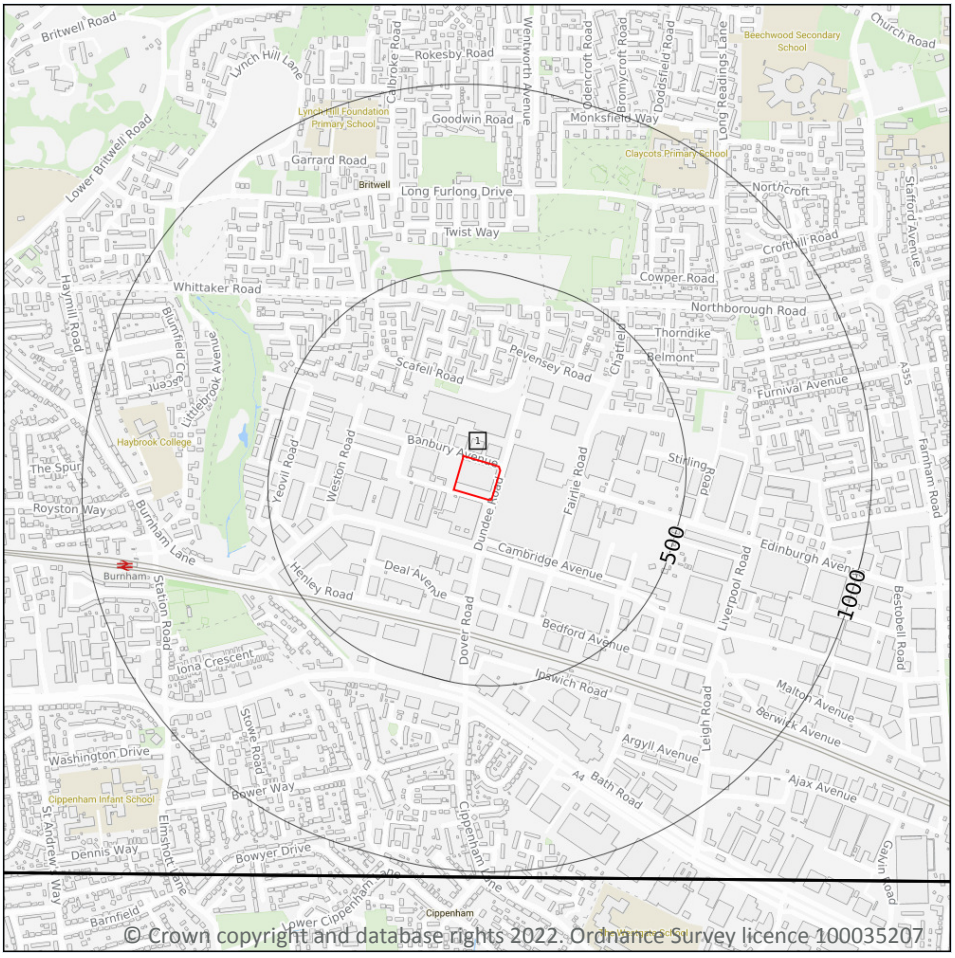
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

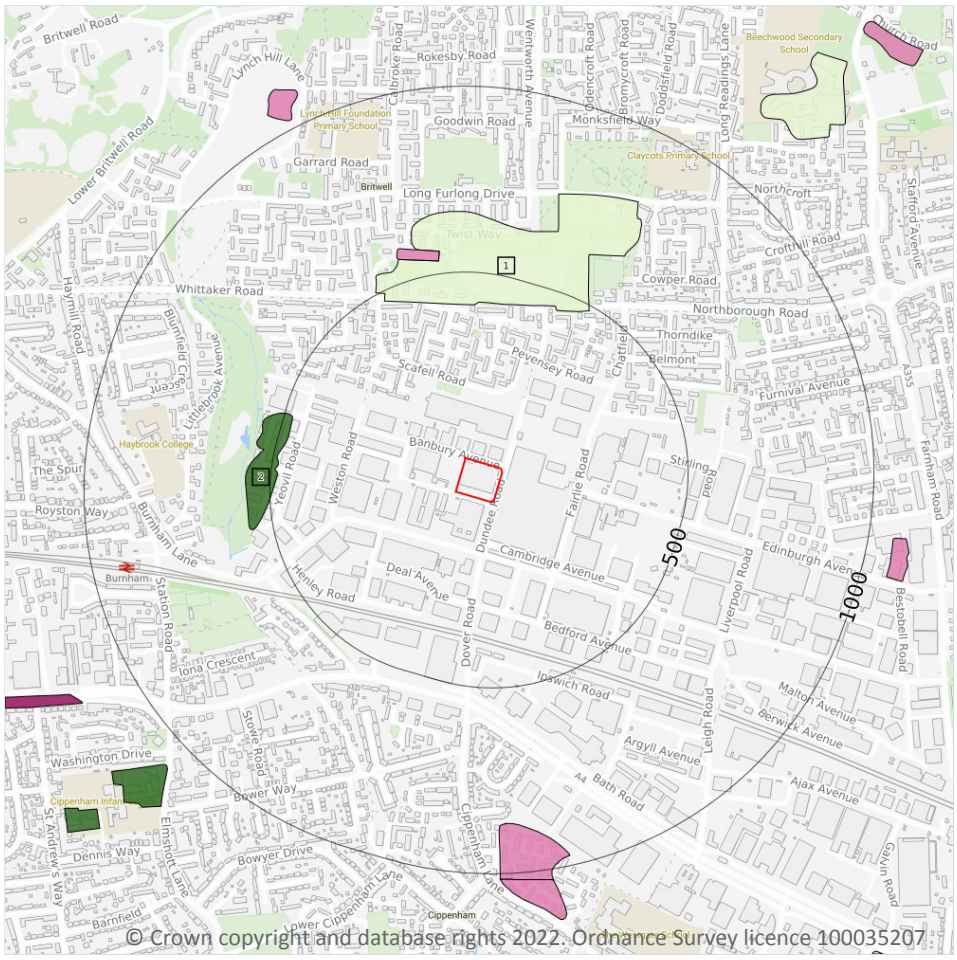
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 120**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW255_beaconsfield_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



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Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	2

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 121**

ID	Location	LEX Code	Description	Rock description
1	412m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	473m W	LSGR-ARTGR	LANDSCAPED GROUND (UNDIVIDED)	ARTIFICIALLY MODIFIED GROUND

This data is sourced from the British Geological Survey.

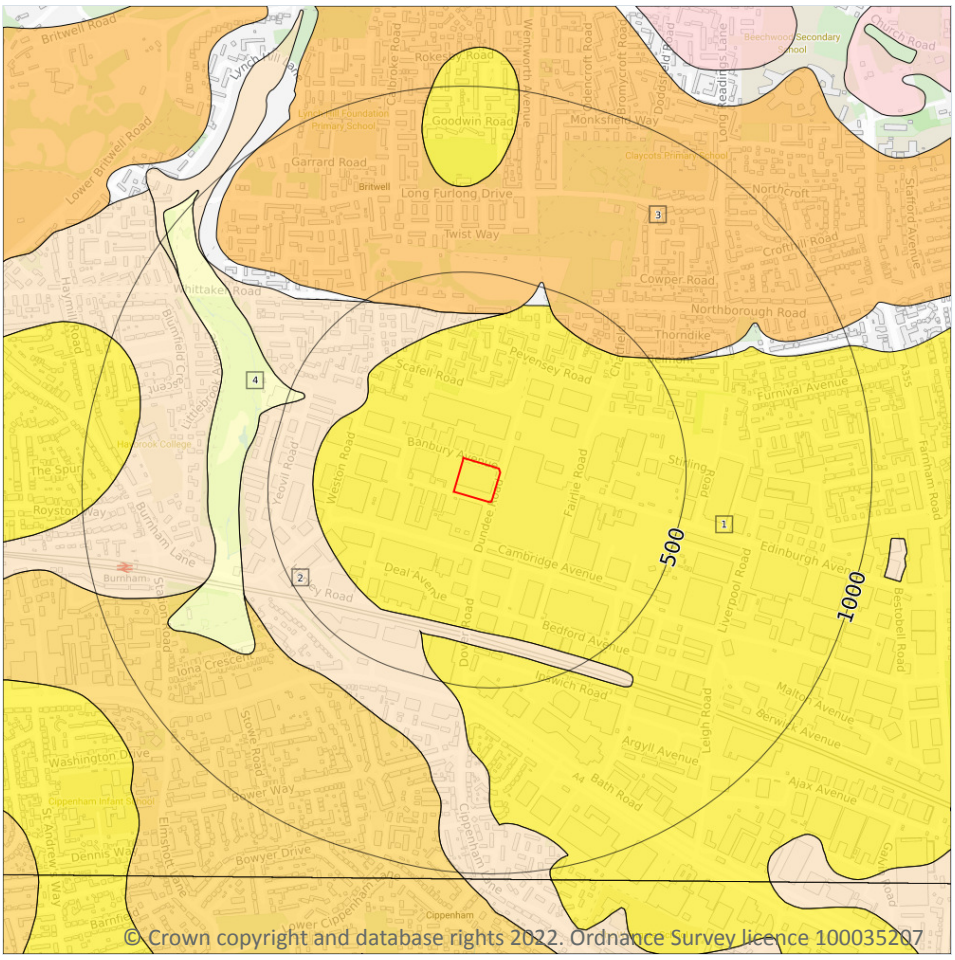
15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **4**

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 123**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LASI-XCZ**	**LANGLEY SILT MEMBER**	**CLAY AND SILT**
2	304m NW	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
3	389m N	LHGR-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL
4	457m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Low**	**Very Low**
8m E	Mixed	Low	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

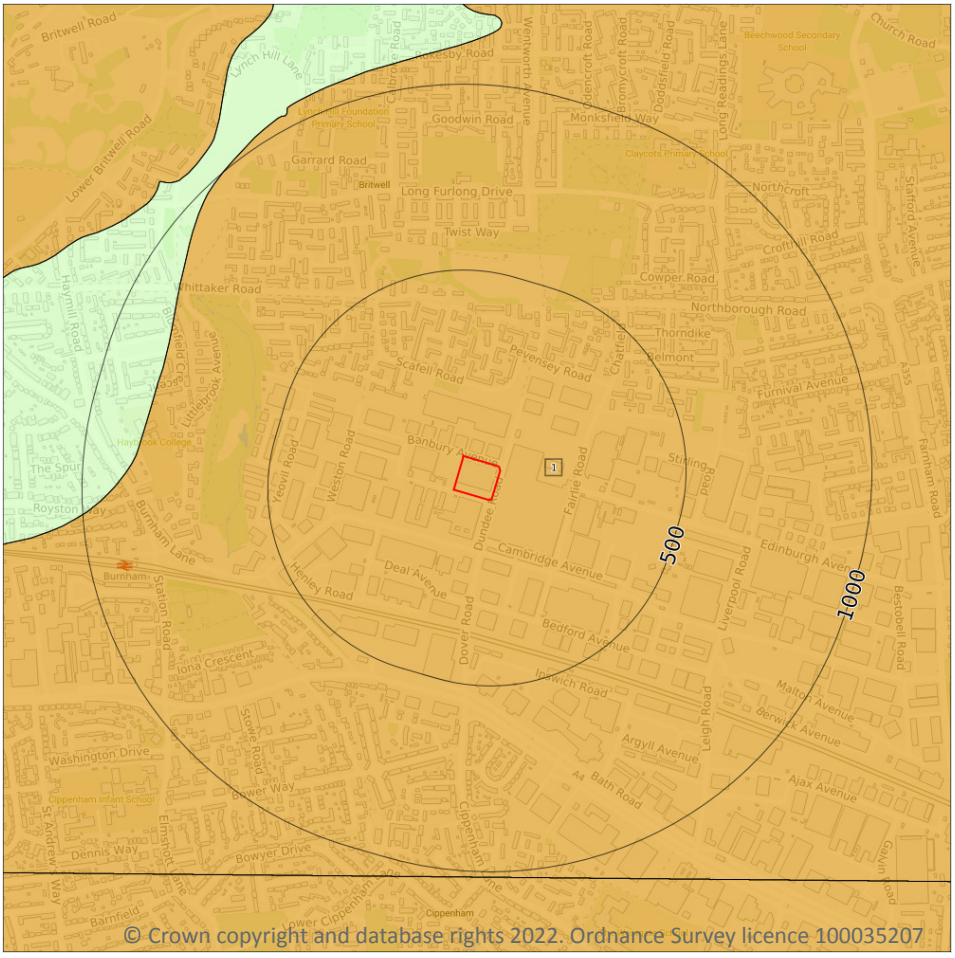
15.7 Landslip permeability (50k)

Records within 50m	**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	1

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 125**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LMBE-XCZS**	**LAMBETH GROUP - CLAY, SILT AND SAND**	**THANETIAN**

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Moderate**	**Very Low**
8m E	Mixed	Moderate	Very Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes

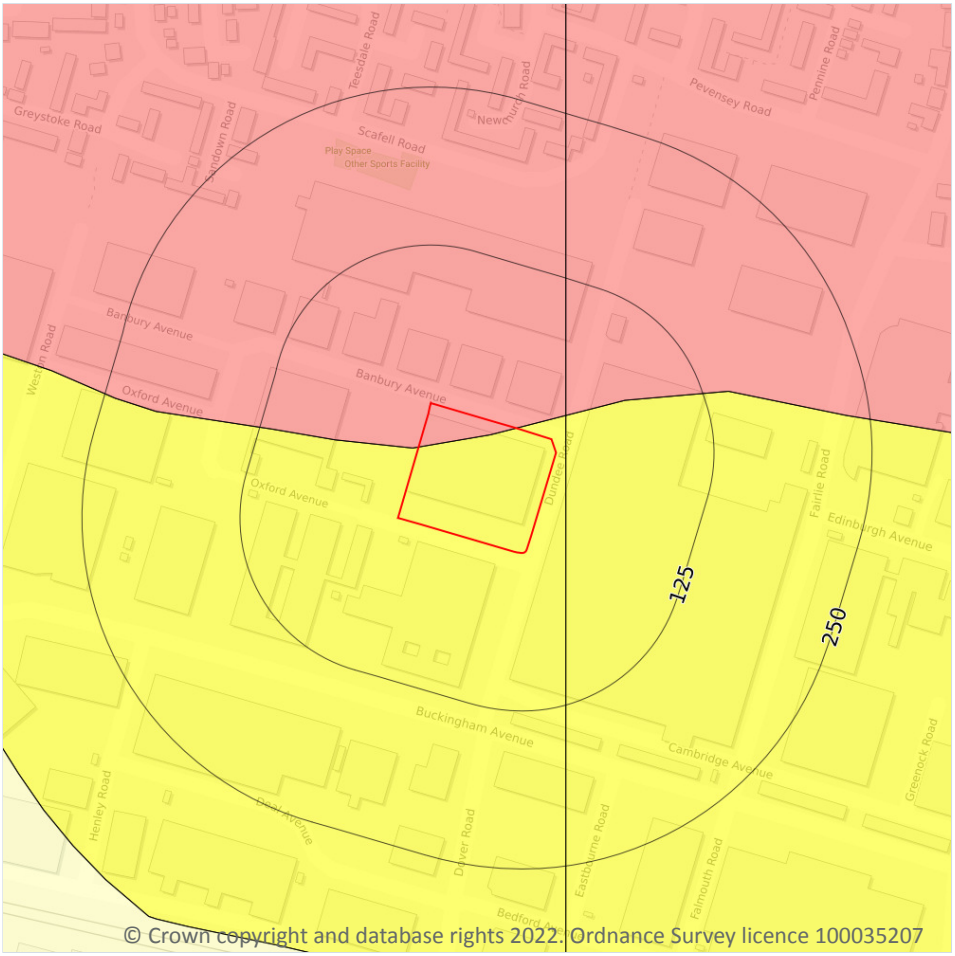
16.1 BGS Boreholes

Records within 250m	**0**

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m	4

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

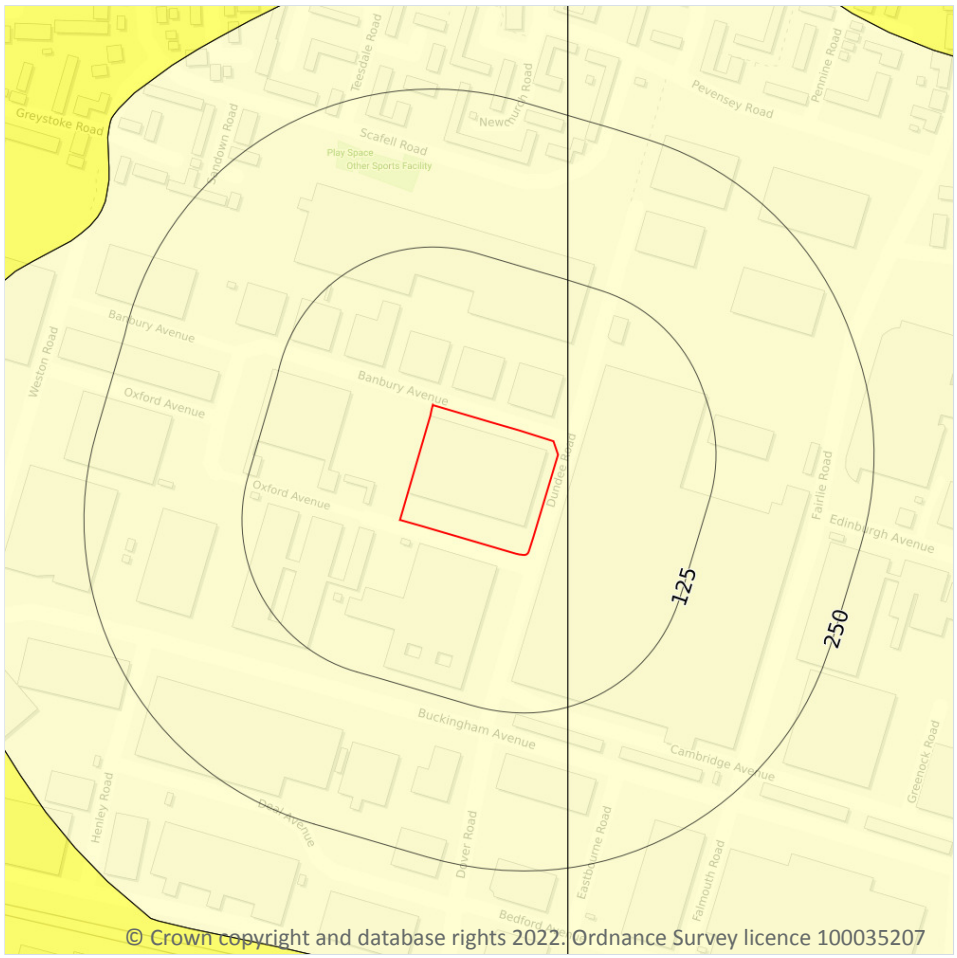
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 128**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
On site	**Moderate**	**Ground conditions predominantly high plasticity.**
8m E	Very low	Ground conditions predominantly low plasticity.

Location	Hazard rating	Details
22m NE	Moderate	Ground conditions predominantly high plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	2

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

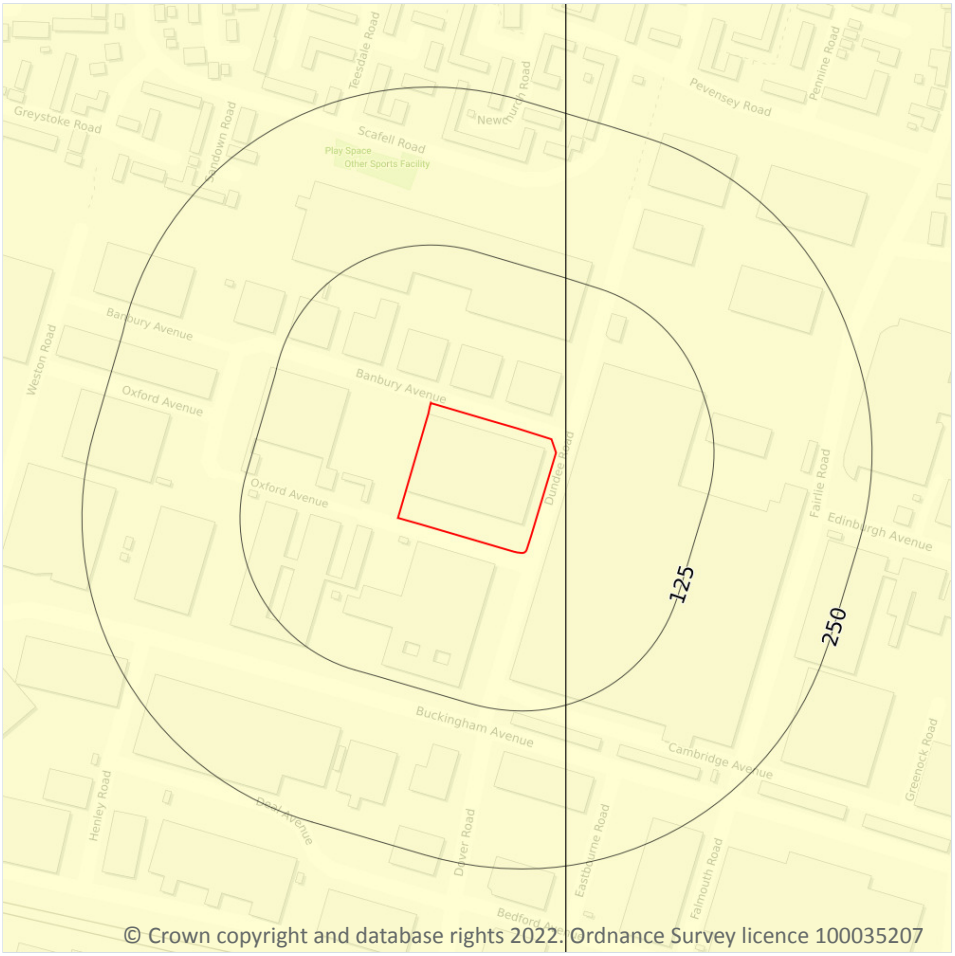
Features are displayed on the Natural ground subsidence - Running sands map on **page 130**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
8m E	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	2

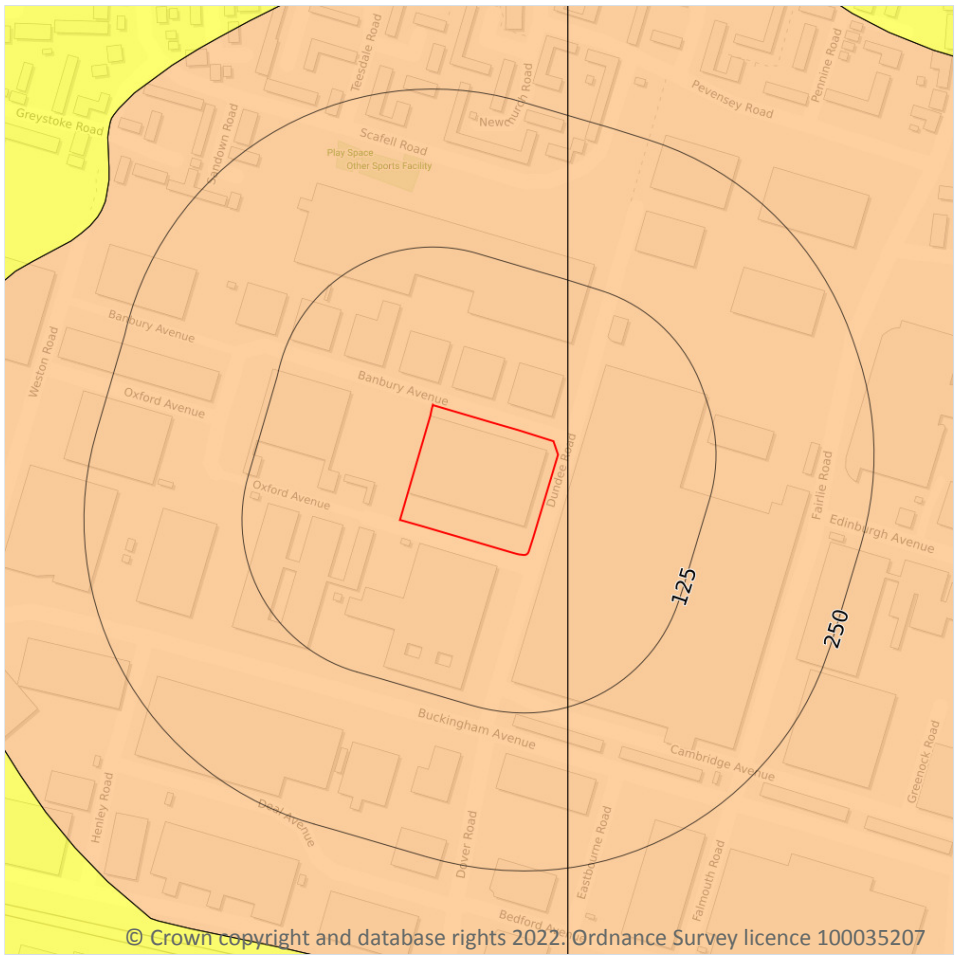
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 132**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
8m E	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

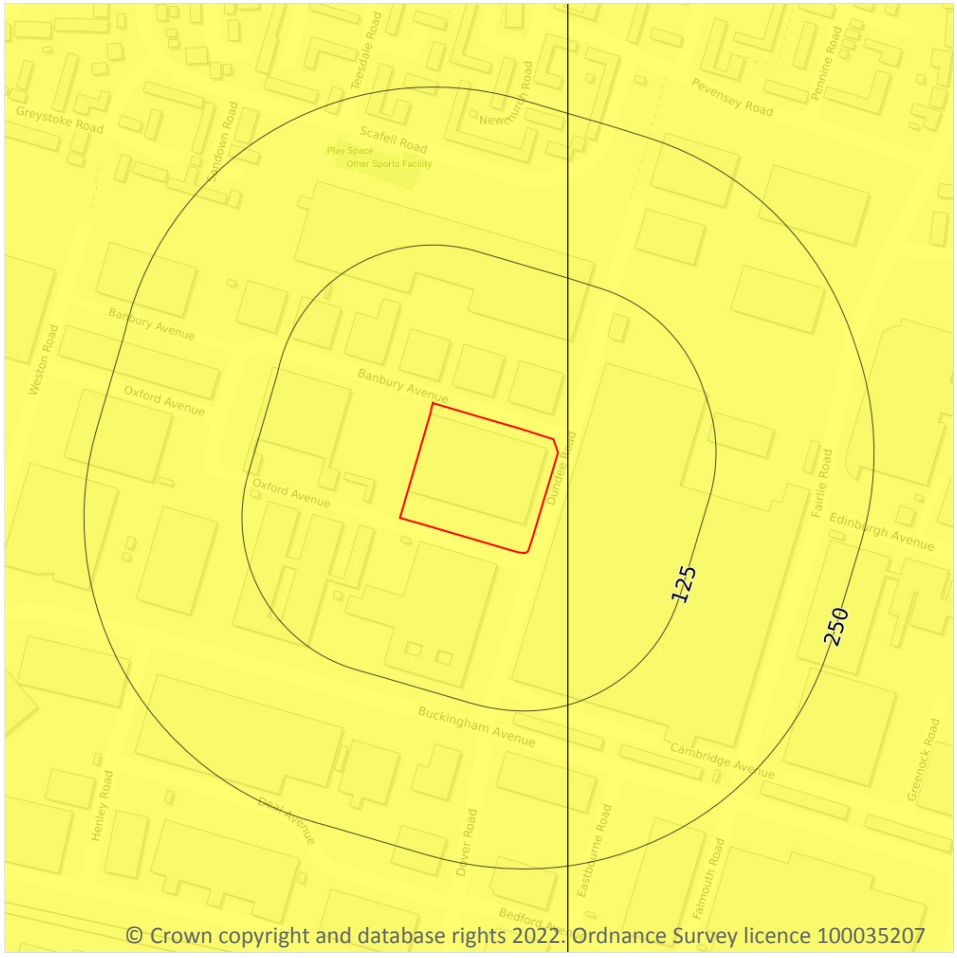
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 133**

Location	Hazard rating	Details
On site	**Low**	**Deposits with potential to collapse when loaded and saturated are possibly present in places.**
8m E	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

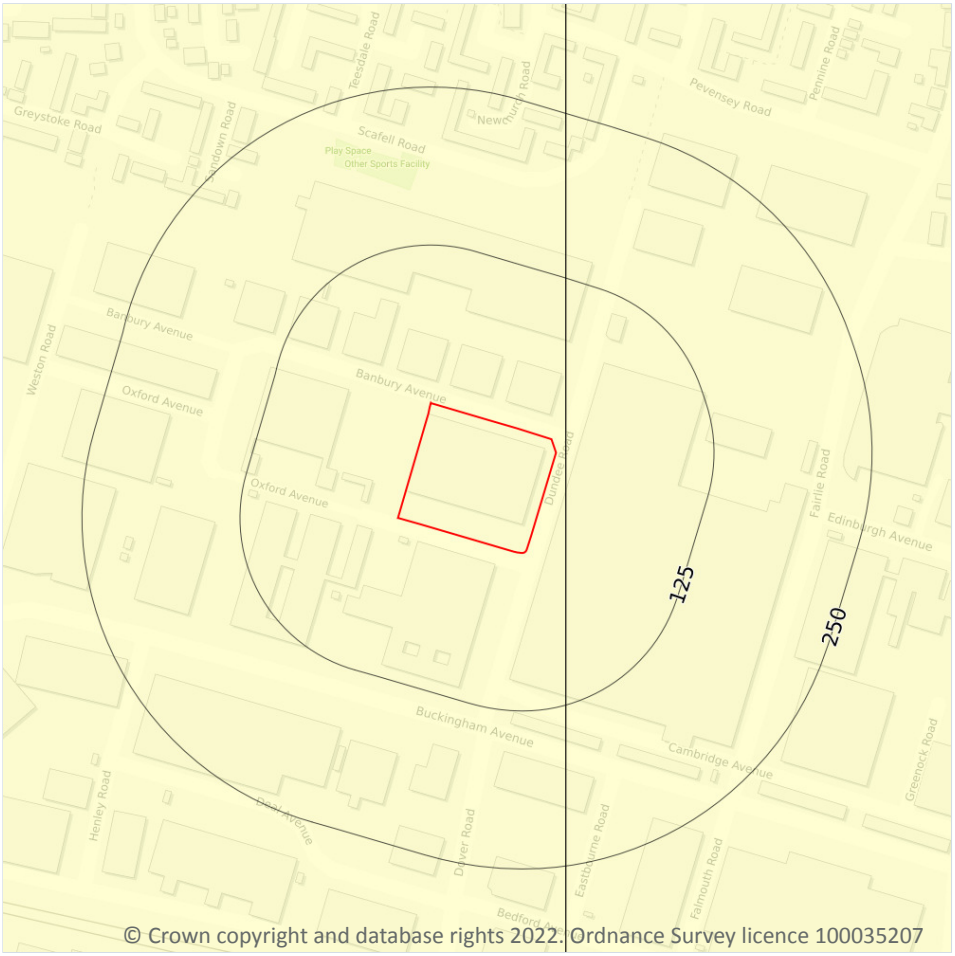
Features are displayed on the Natural ground subsidence - Landslides map on **page 134**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

Location	Hazard rating	Details
8m E	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

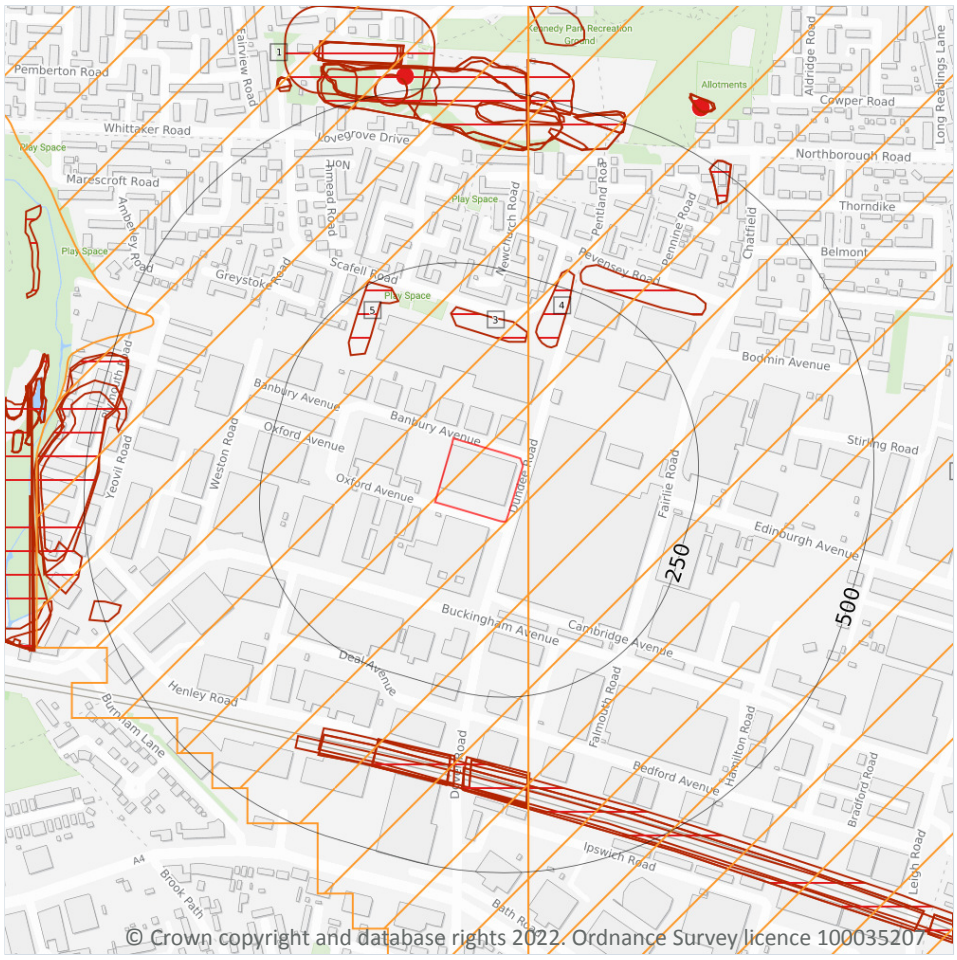
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 136**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

Location	Hazard rating	Details
8m E	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	3

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 138**

ID	Location	Land Use	Year of mapping	Mapping scale
3	154m N	Unspecified Heap	1987	1:10000
4	164m N	Unspecified Heap	1985	1:10000
5	174m NW	Unspecified Heap	1987	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	4

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 138**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Chalk**	**C**	**Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered**
2	8m E	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
-	656m W	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
-	842m W	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

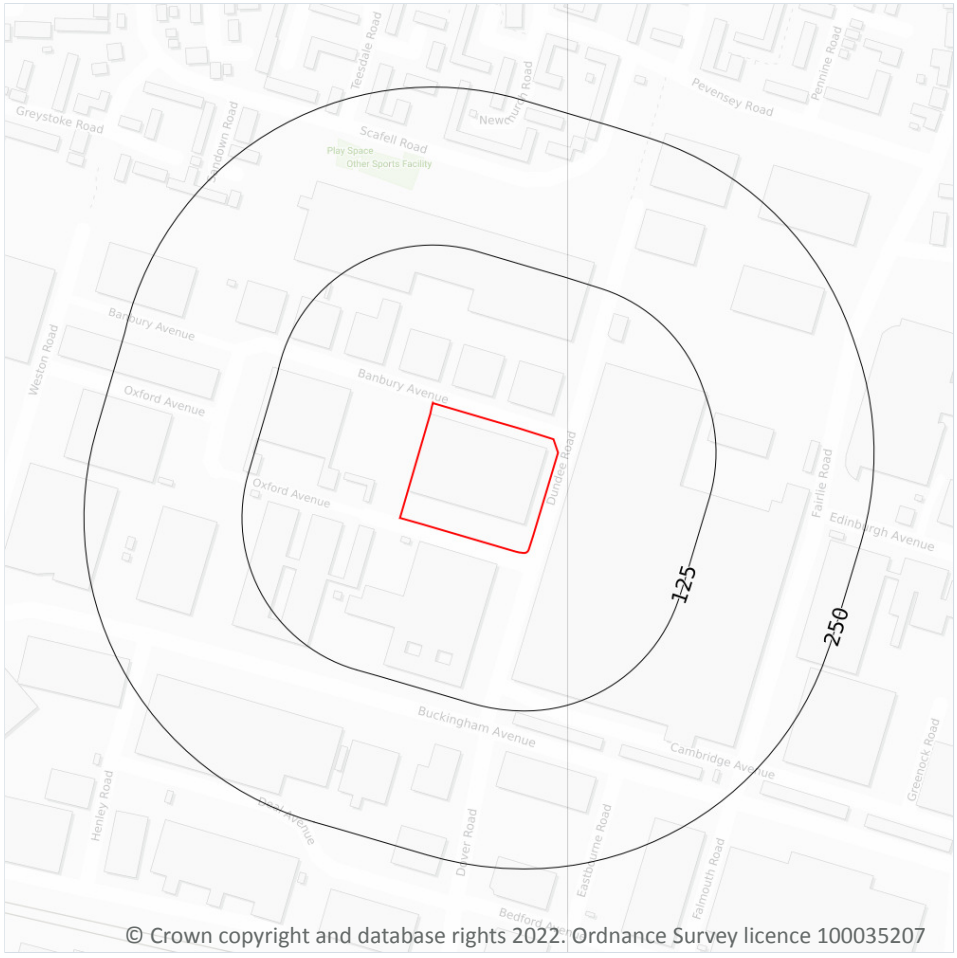
18.13 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



19.1 Radon

Records on site	1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 143**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None****

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	**4**

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
8m NE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m SW	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m SE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	**0**

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

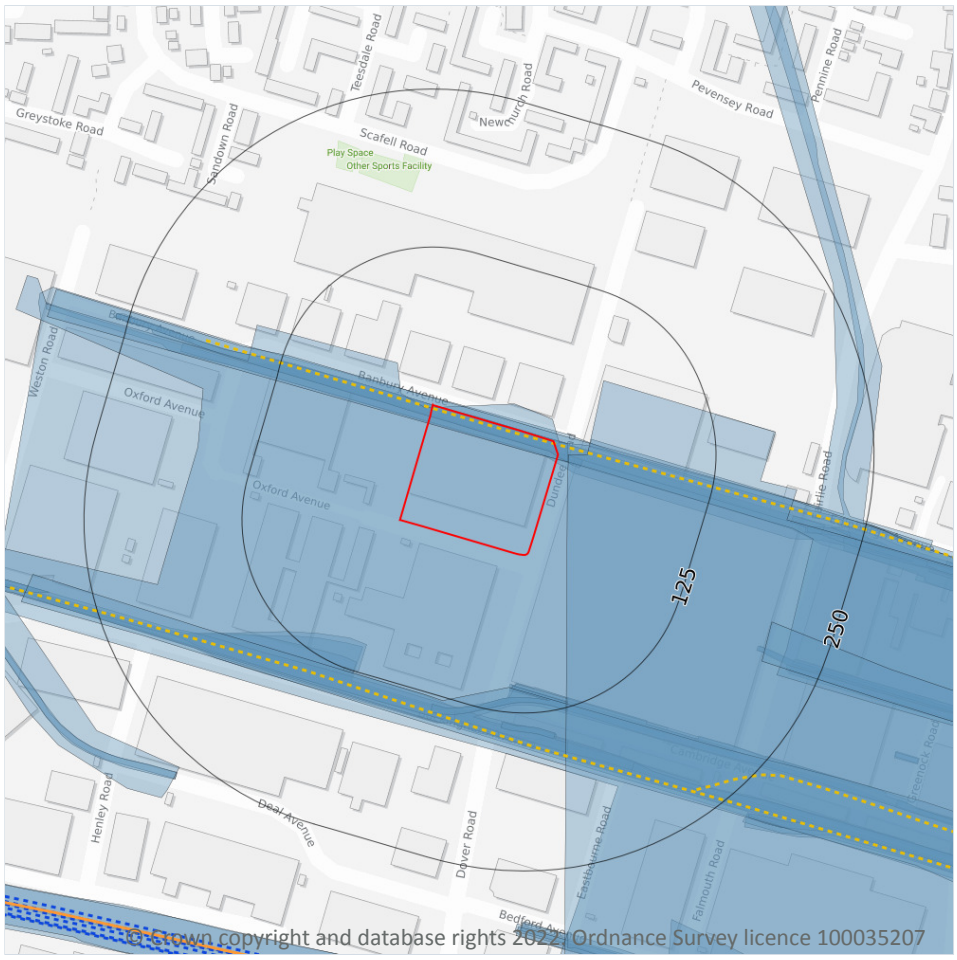
20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	29

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 146**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1924**	**2500**
On site	**Railway Sidings**	**1932**	**2500**
On site	**Railway Sidings**	**1954**	**2500**
On site	**Railway Sidings**	**1954**	**1250**
On site	**Railway Sidings**	**1962**	**1250**
On site	**Railway Sidings**	**1938**	**10560**
On site	**Railway Sidings**	**1924**	**10560**
7m E	Railway Sidings	1954	2500
8m E	Railway Sidings	1961	1250
8m E	Railway Sidings	1954	1250
8m E	Railway Sidings	1955	10560
101m S	Railway	1924	-
102m S	Railway Sidings	1954	2500
102m S	Railways	1934	-
104m S	Railway Sidings	1966	1250
104m S	Railway Sidings	1954	1250
118m S	Railway Sidings	1954	2500

Location	Land Use	Year of mapping	Mapping scale
133m S	Railway Sidings	1966	1250
133m S	Railway Sidings	1954	1250
151m S	Railway Sidings	1954	2500
185m SE	Railways	1924	-
192m E	Railway Sidings	1961	1250
196m E	Railway Sidings	1954	1250
200m E	Railway Sidings	1972	10000
205m E	Railway Sidings	1954	1250
224m E	Railways	1934	-
227m SE	Railways	1934	-
236m E	Railway Sidings	1961	1250
246m E	Railways	1924	-

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	**3**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

Features are displayed on the Railway infrastructure and projects map on **page 146**

Location	Description
On site	**Razed**

Location	Description
137m S	Dismantled
228m SE	Razed

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	1

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

Features are displayed on the Railway infrastructure and projects map on **page 146**

Location	Route Type
356m S	Surface Alignment

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b

(Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference.

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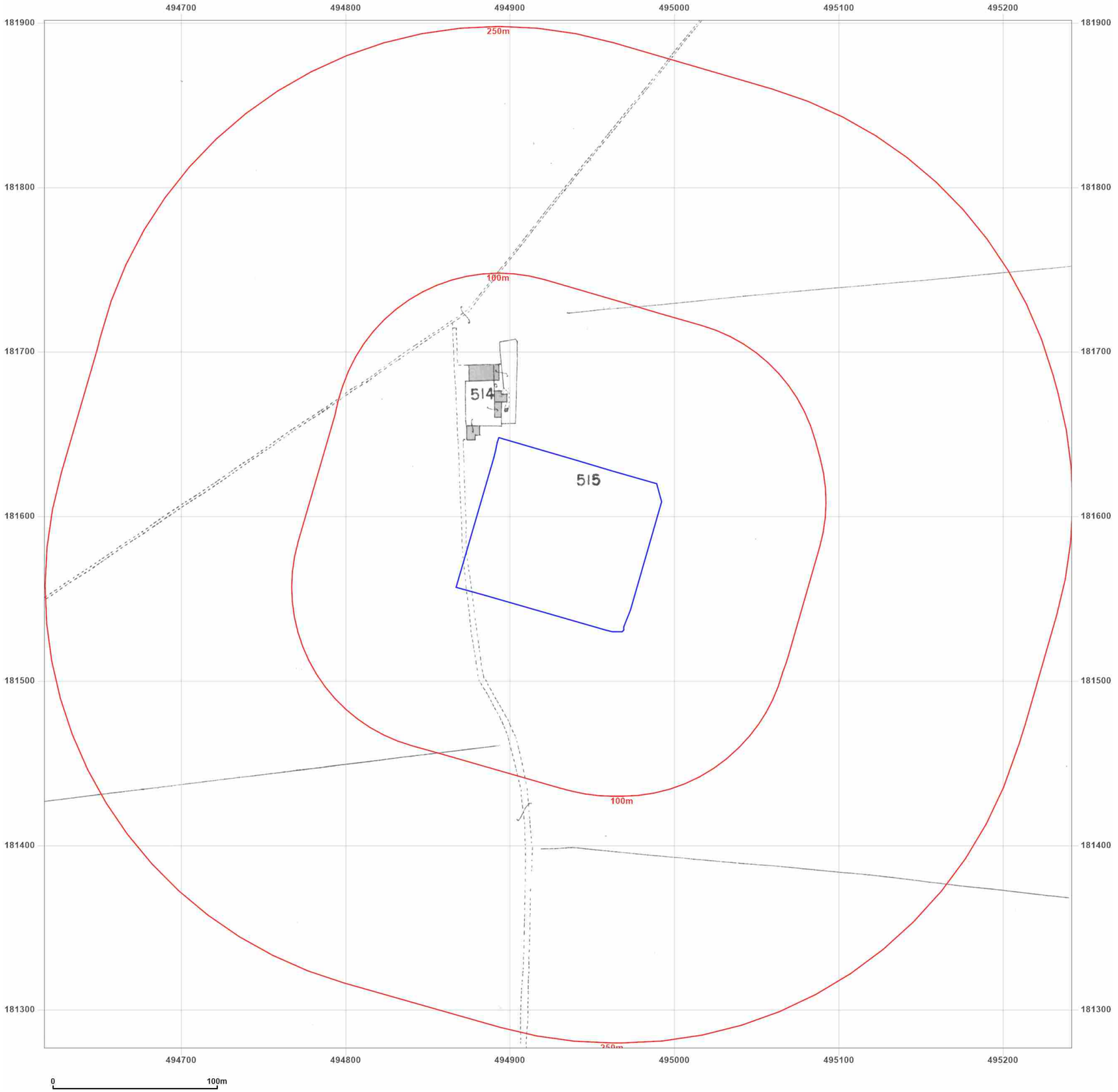

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1878**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1878
Edition N/A
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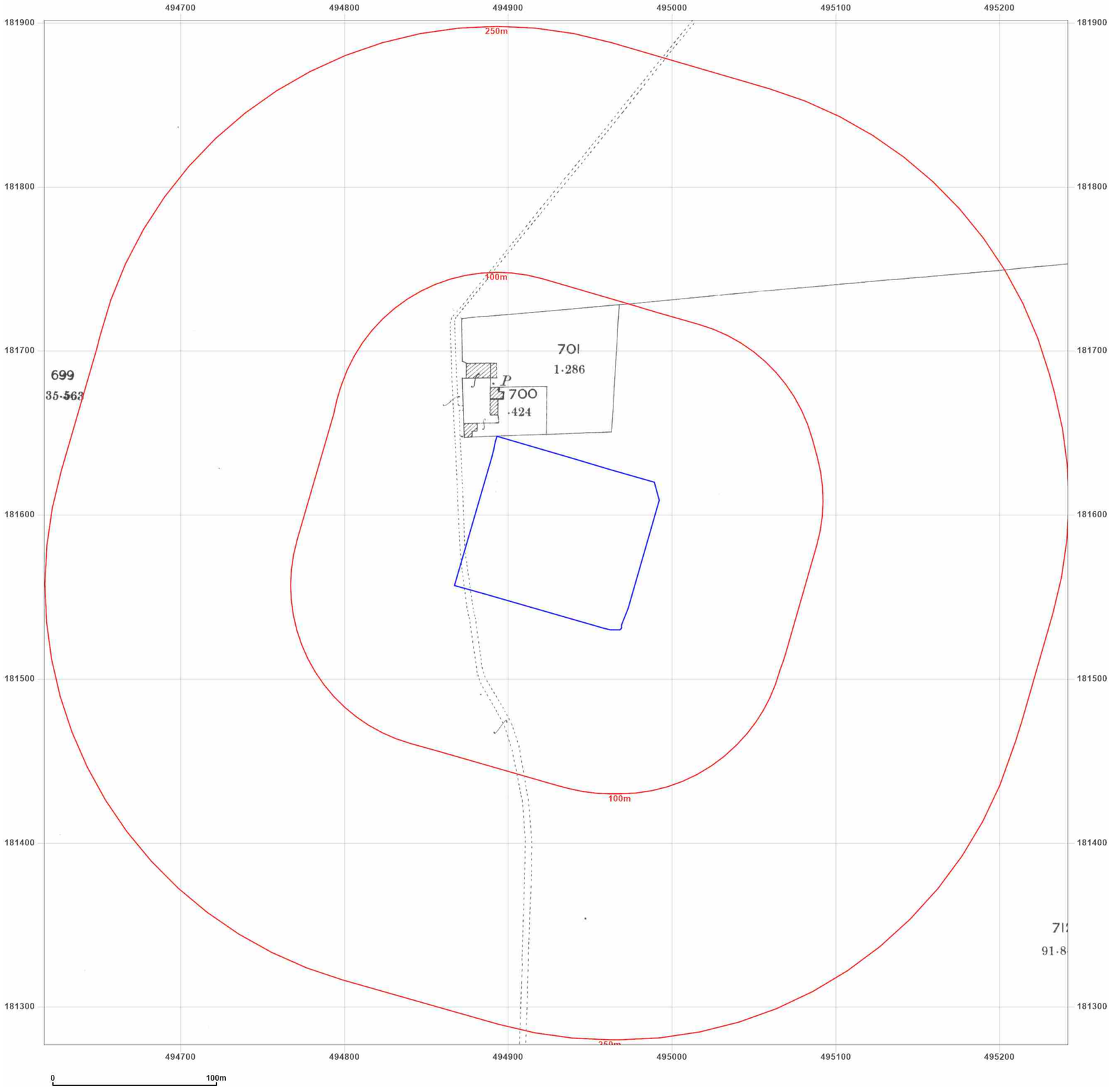

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series
Map date: **1899**
Scale: 1:2,500
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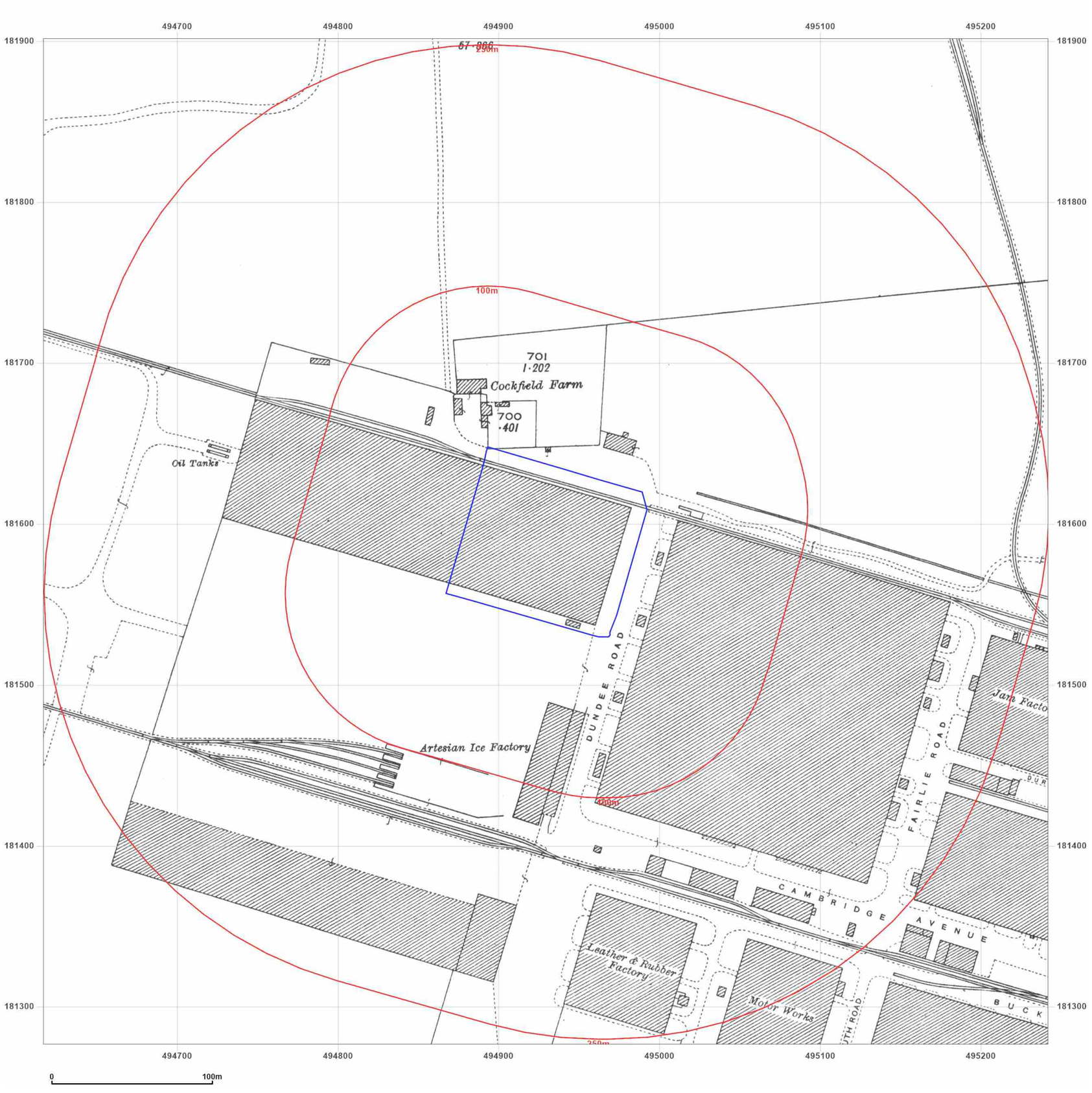

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Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

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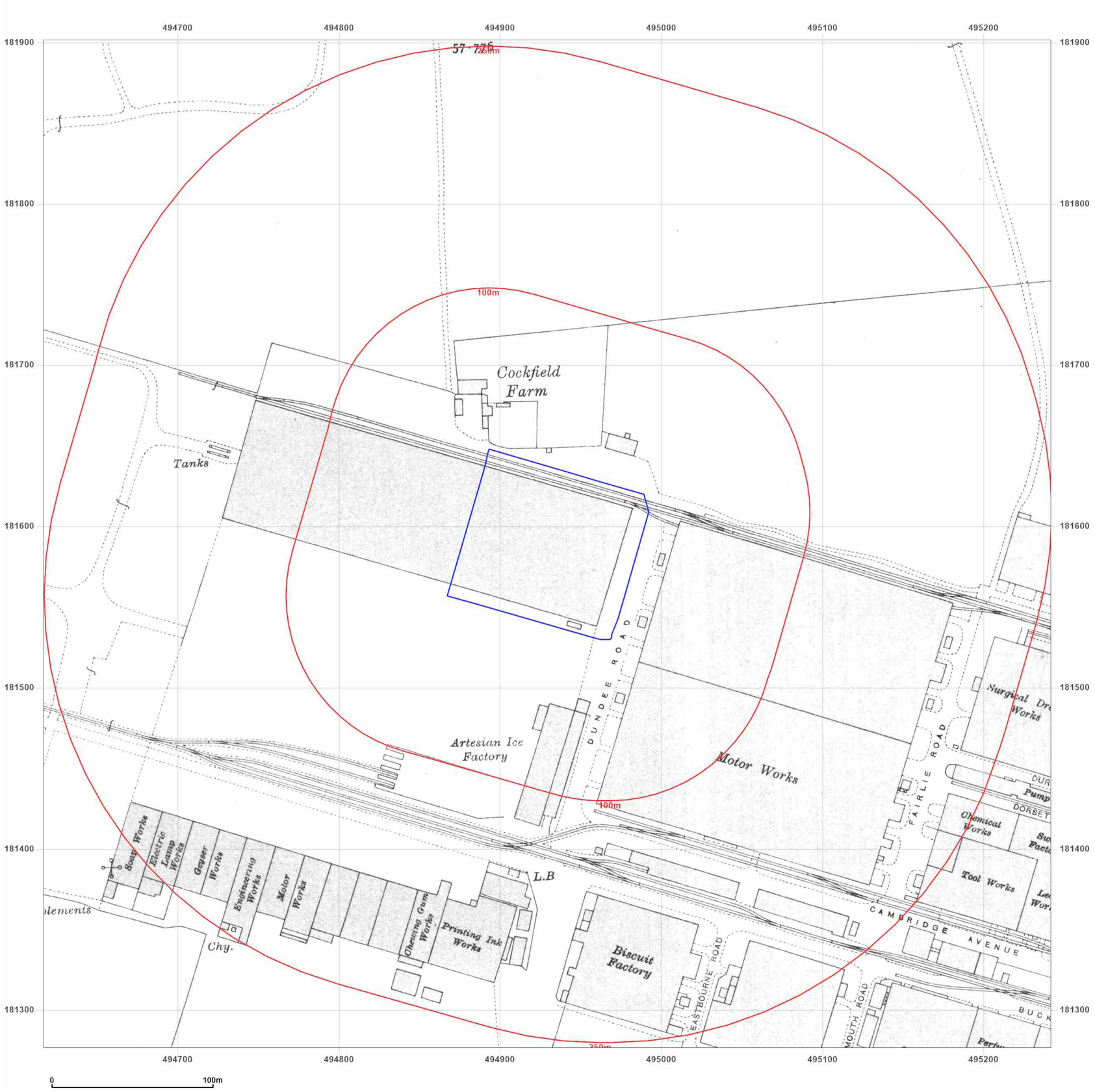

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1932**

Scale: 1:2,500

Printed at: 1:2,500

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Edition N/A
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Site Details:

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1954**

Scale: 1:1,250

Printed at: 1:2,000

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1955**

Scale: 1:1,250

Printed at: 1:2,000

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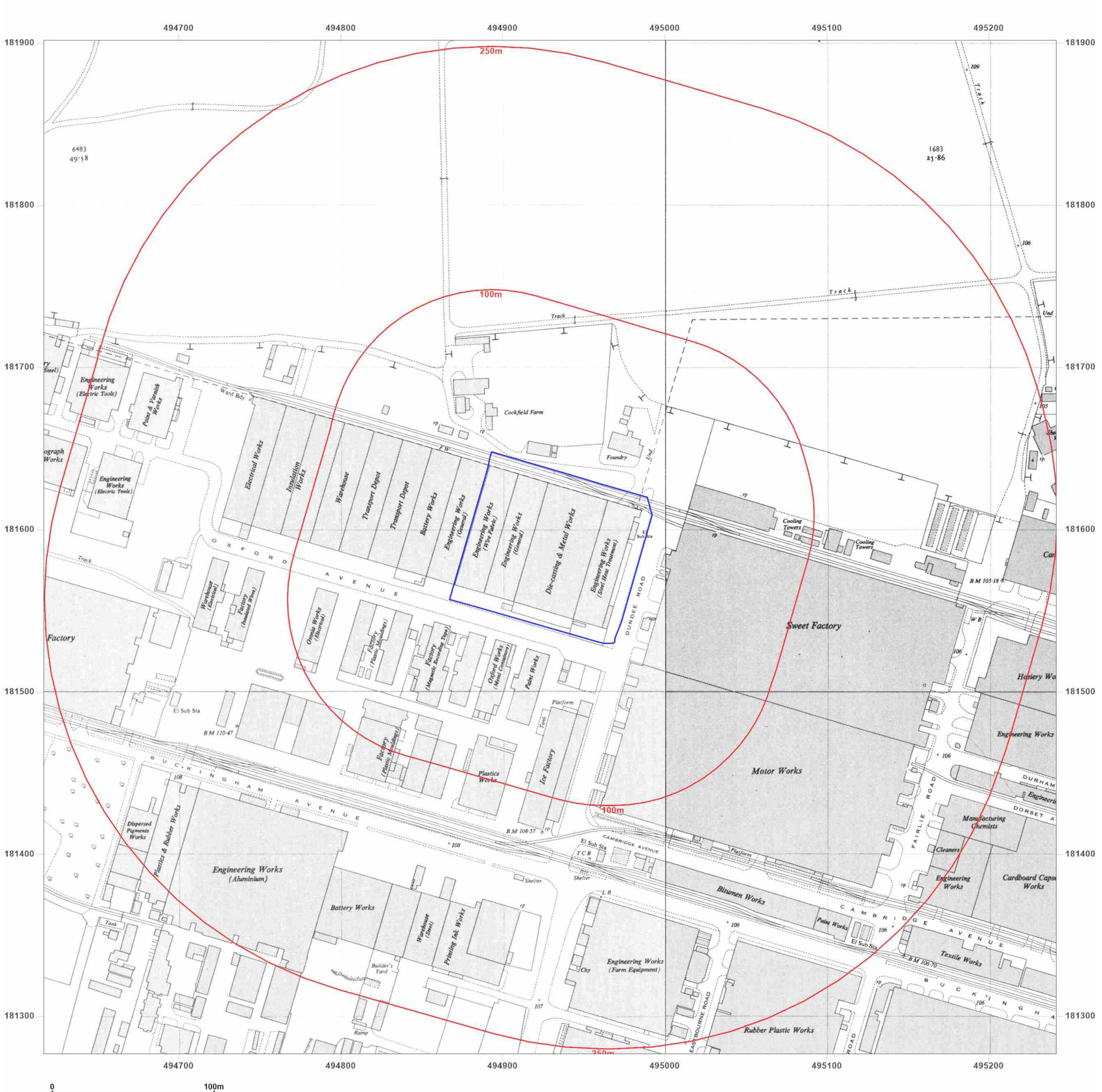

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Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1955-1956**

Scale: 1:2,500

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BANBURY AVENUE, SLOUGH,
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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1961-1966**

Scale: 1:1,250

Printed at: 1:2,000

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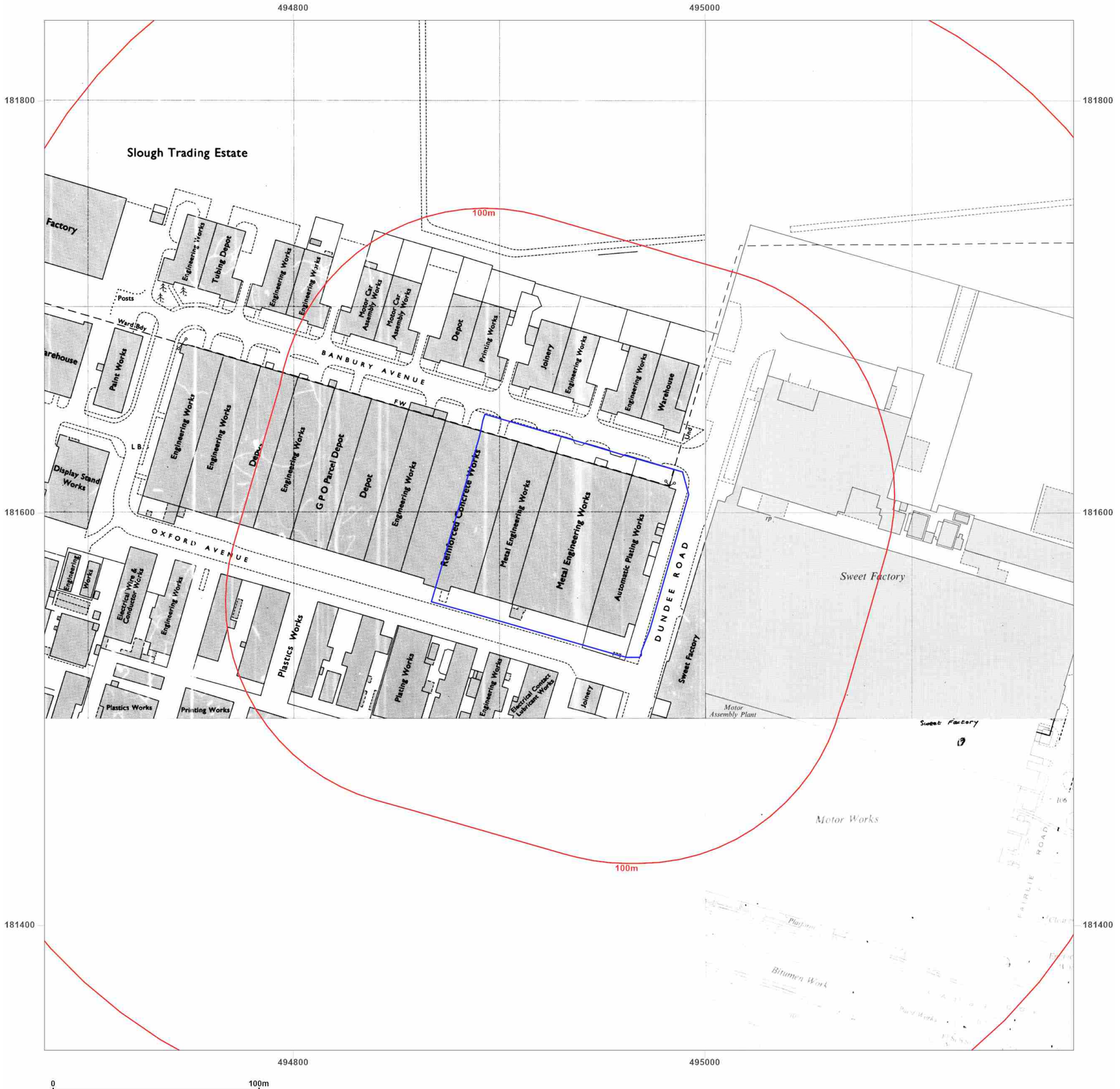

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1969-1973**

Scale: 1:1,250

Printed at: 1:2,000

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **1973-1978**
Scale: 1:1,250
Printed at: 1:2,000

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **1981-1984**
Scale: 1:1,250
Printed at: 1:2,000

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1987-1988**

Scale: 1:1,250

Printed at: 1:2,000

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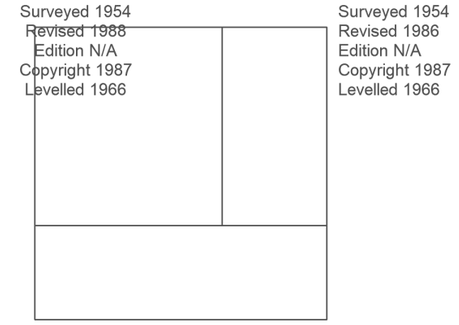

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SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **1985-1989**
Scale: 1:1,250
Printed at: 1:2,000

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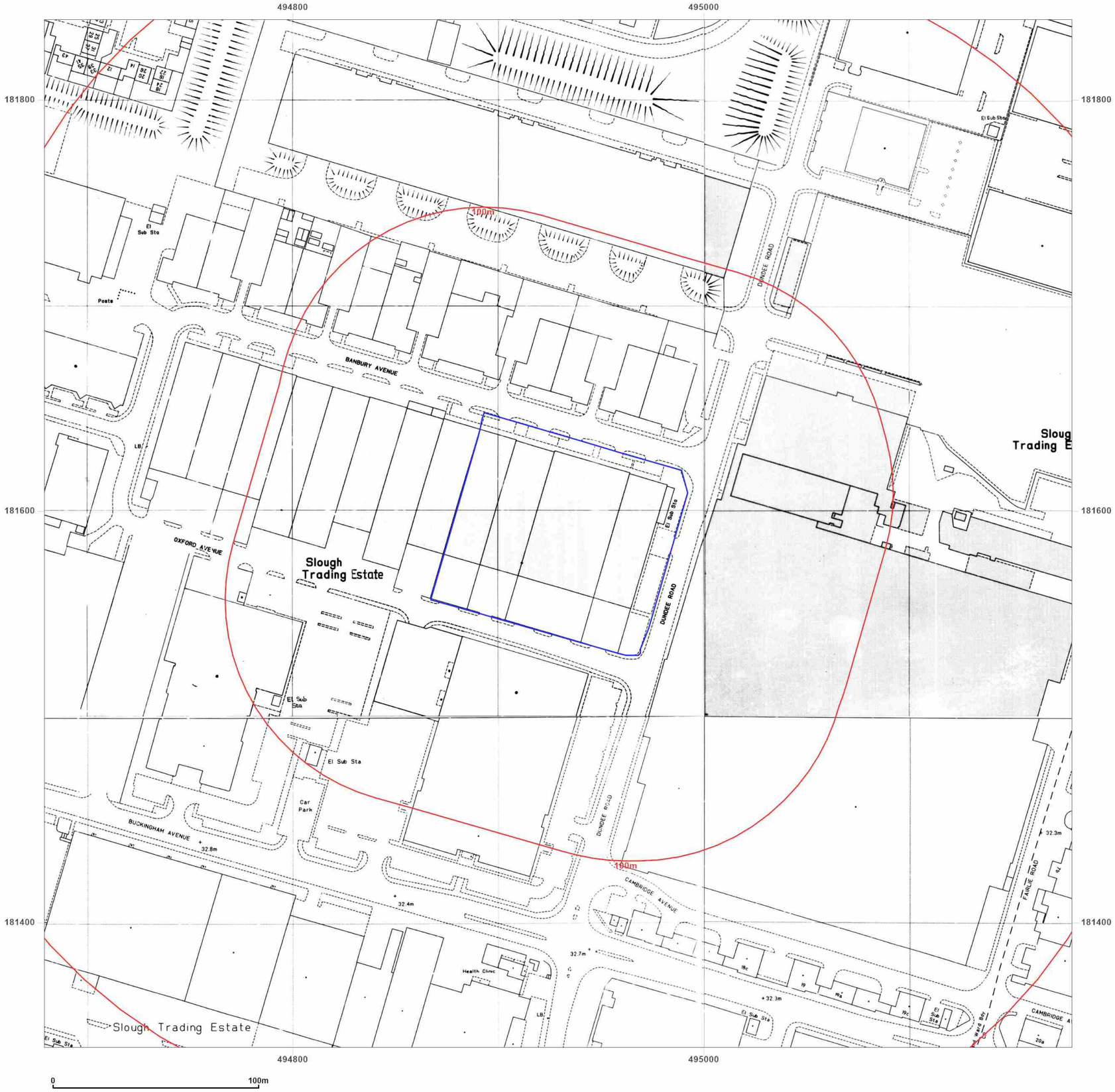

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **1988-1993**
Scale: 1:1,250
Printed at: 1:2,000

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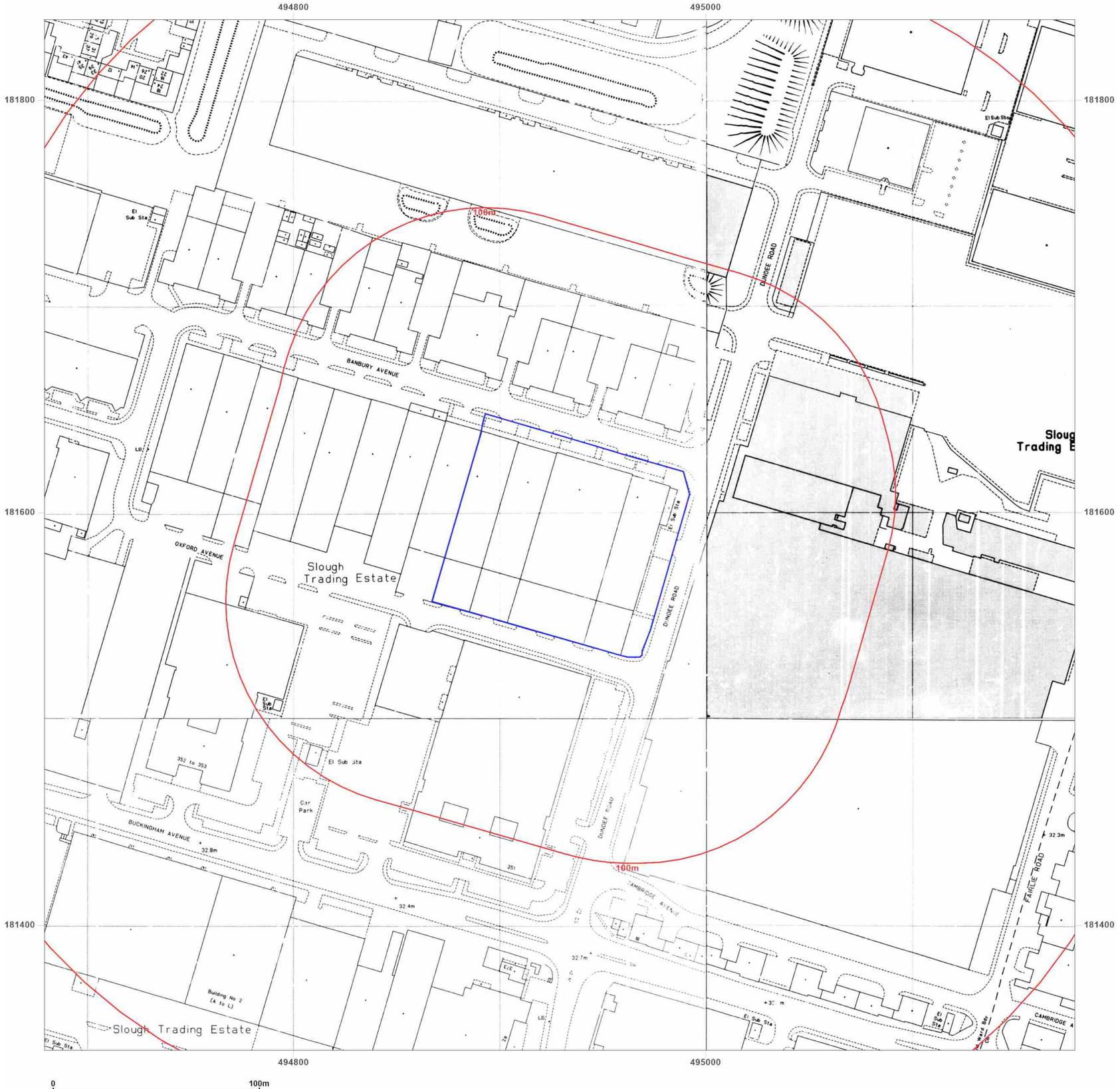

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:1,250

Printed at: 1:2,000

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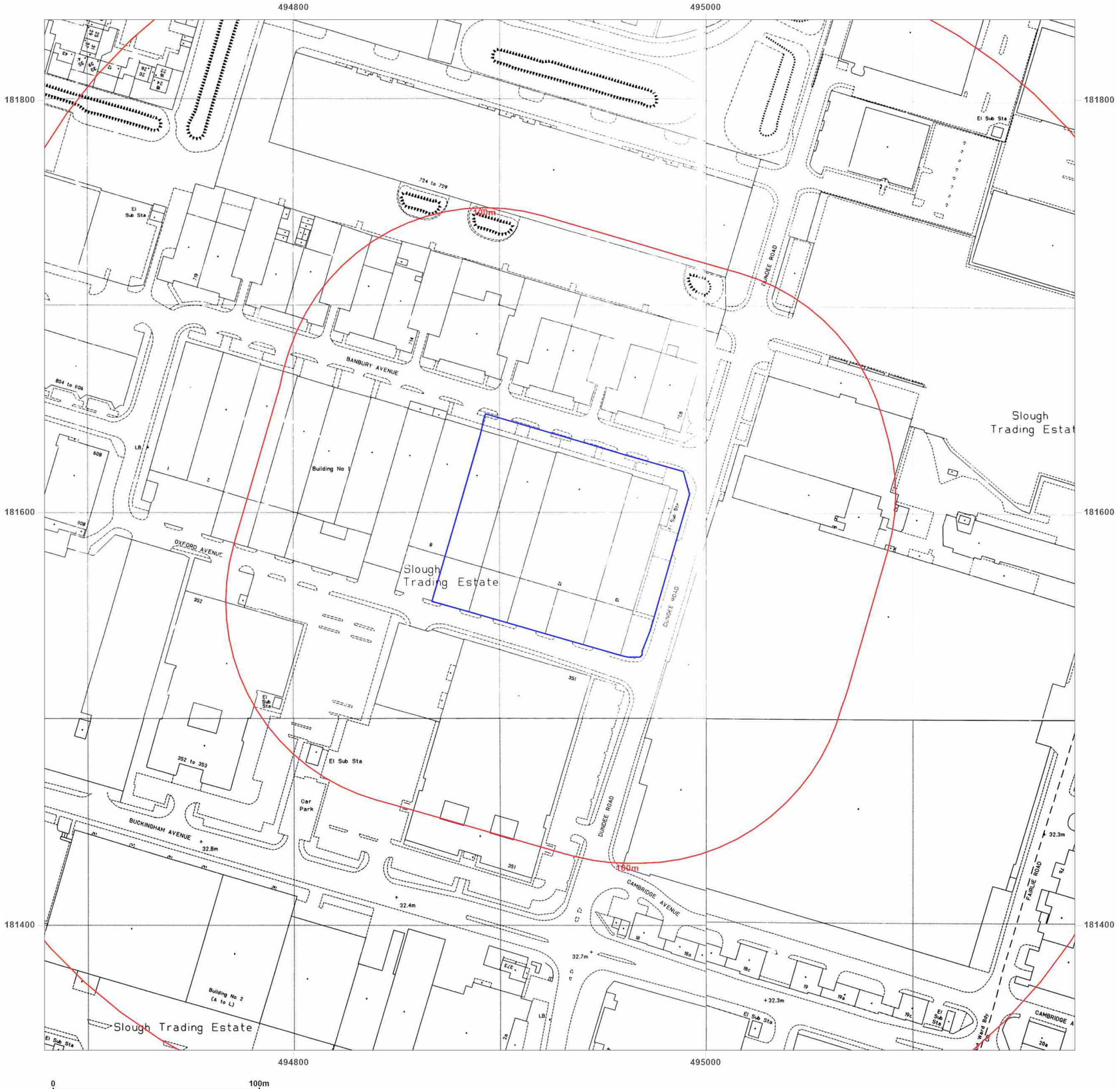

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Site Details:

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Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1993-1995**

Scale: 1:1,250

Printed at: 1:2,000

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Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

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Site Details:

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SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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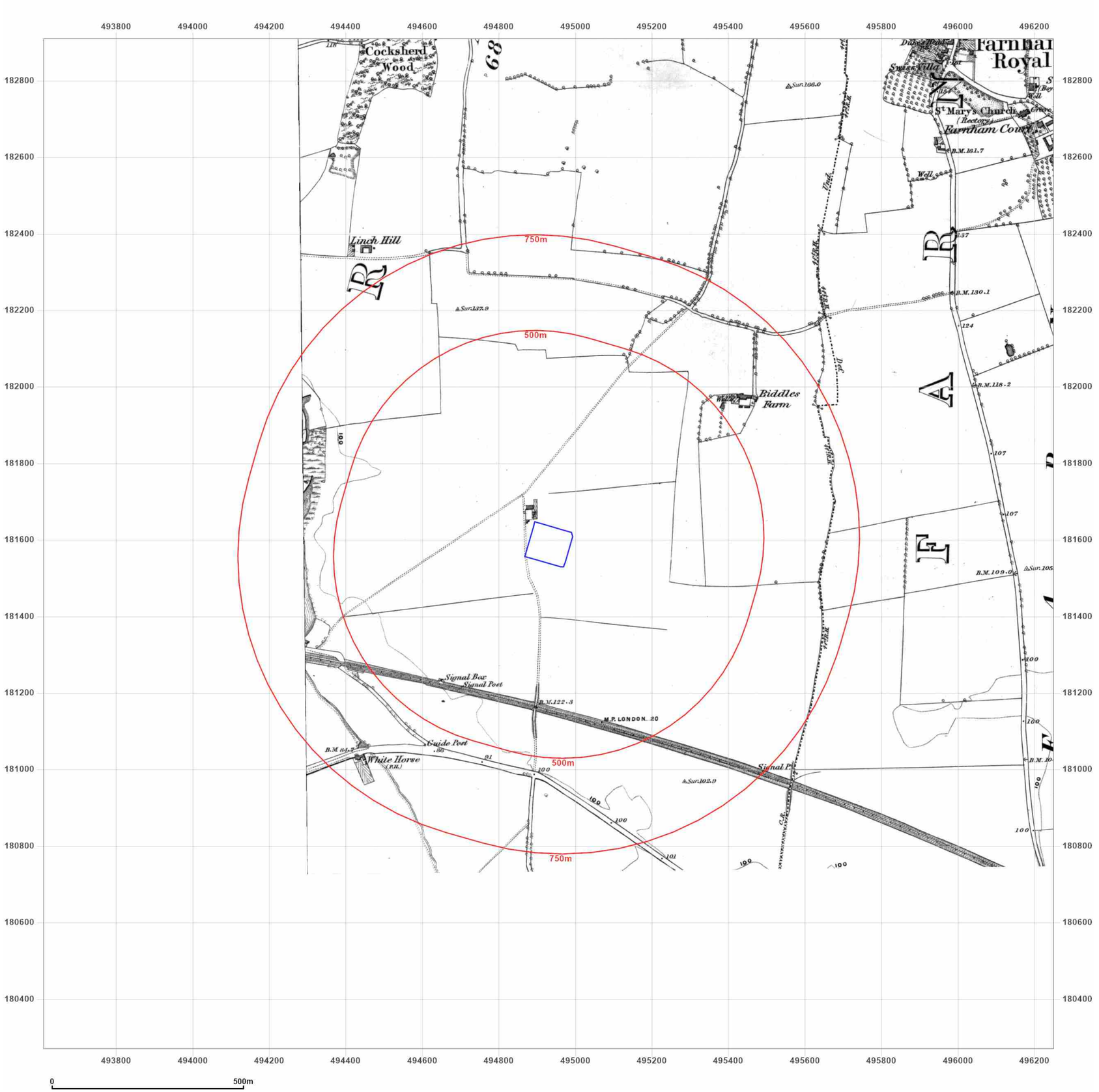

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1882**

Scale: 1:10,560

Printed at: 1:10,560

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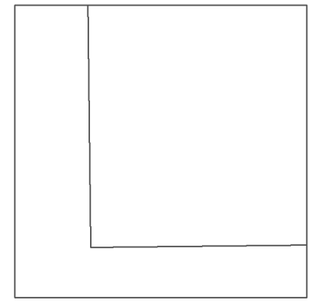
Revised N/A
Edition 1882
Copyright N/A
Levelled N/A



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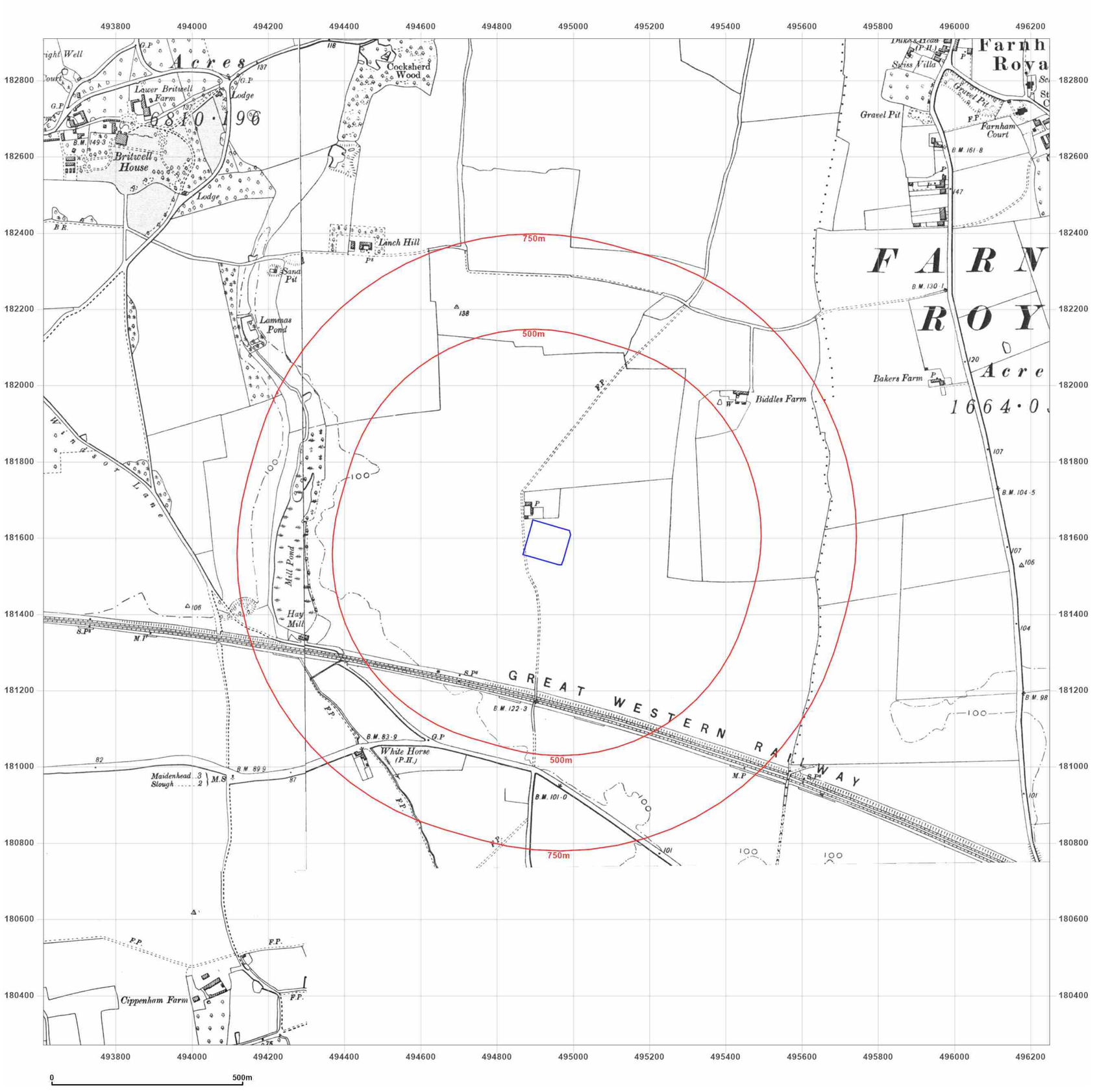

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1897-1900**

Scale: 1:10,560

Printed at: 1:10,560

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Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

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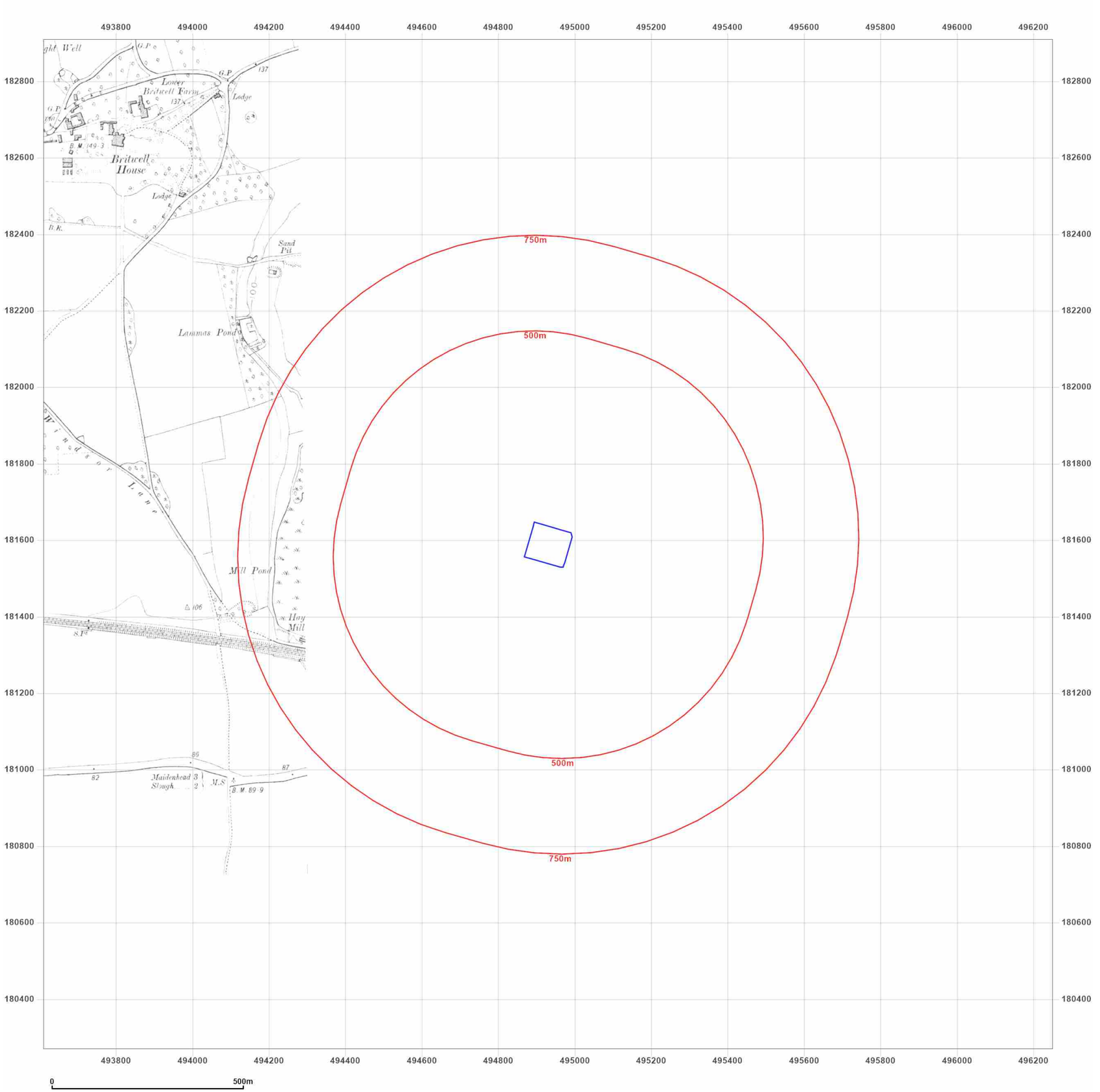

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1910**

Scale: 1:10,560

Printed at: 1:10,560

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Revised 1910
Edition N/A
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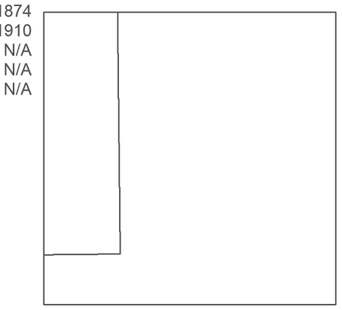
Levelled N/A



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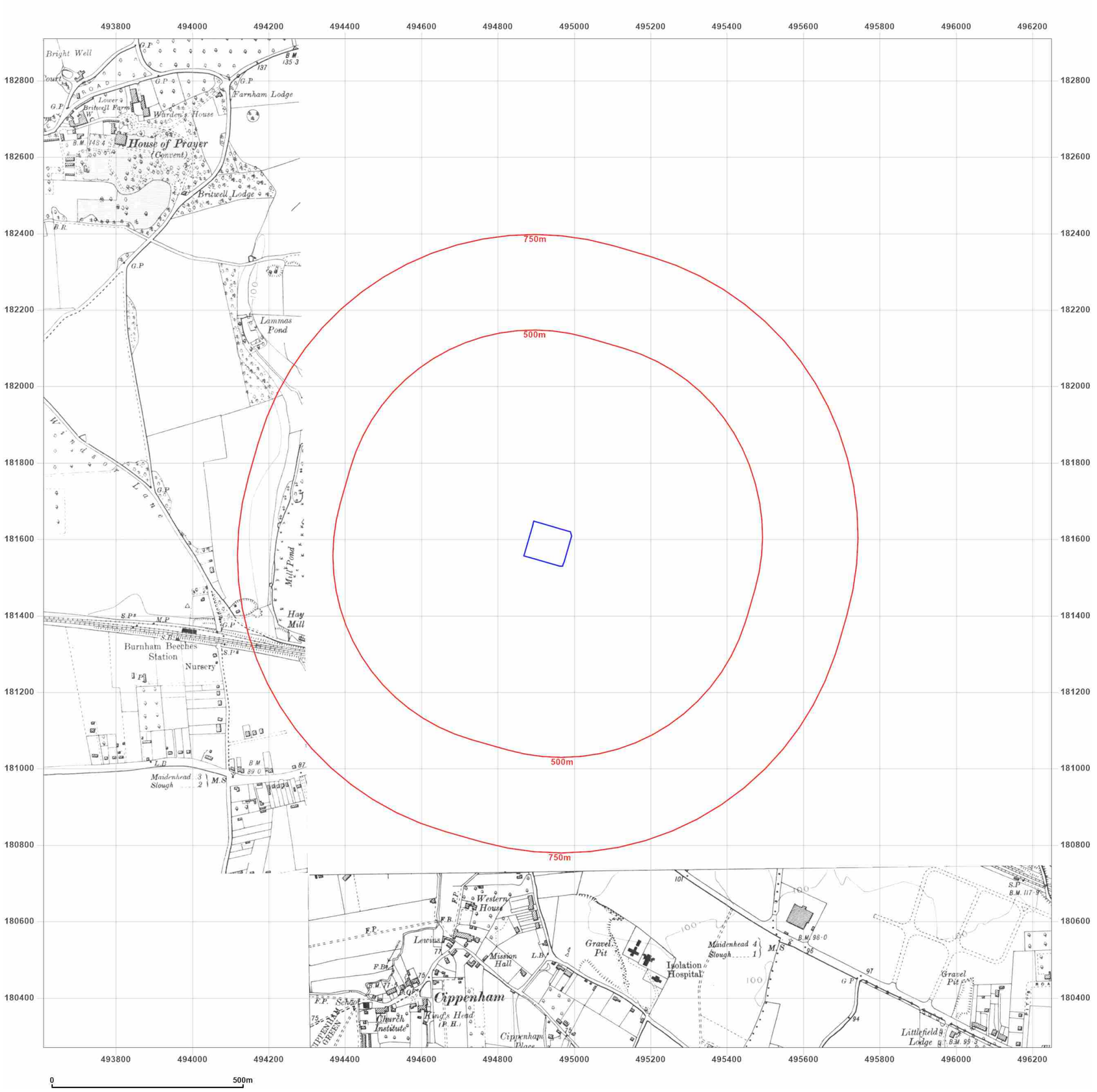

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1923**

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Printed at: 1:10,560

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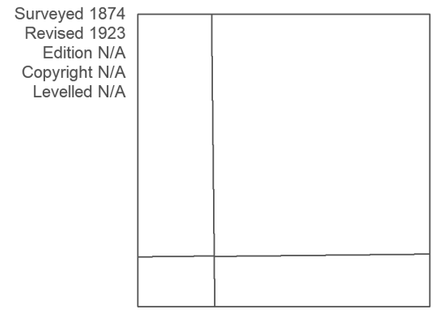

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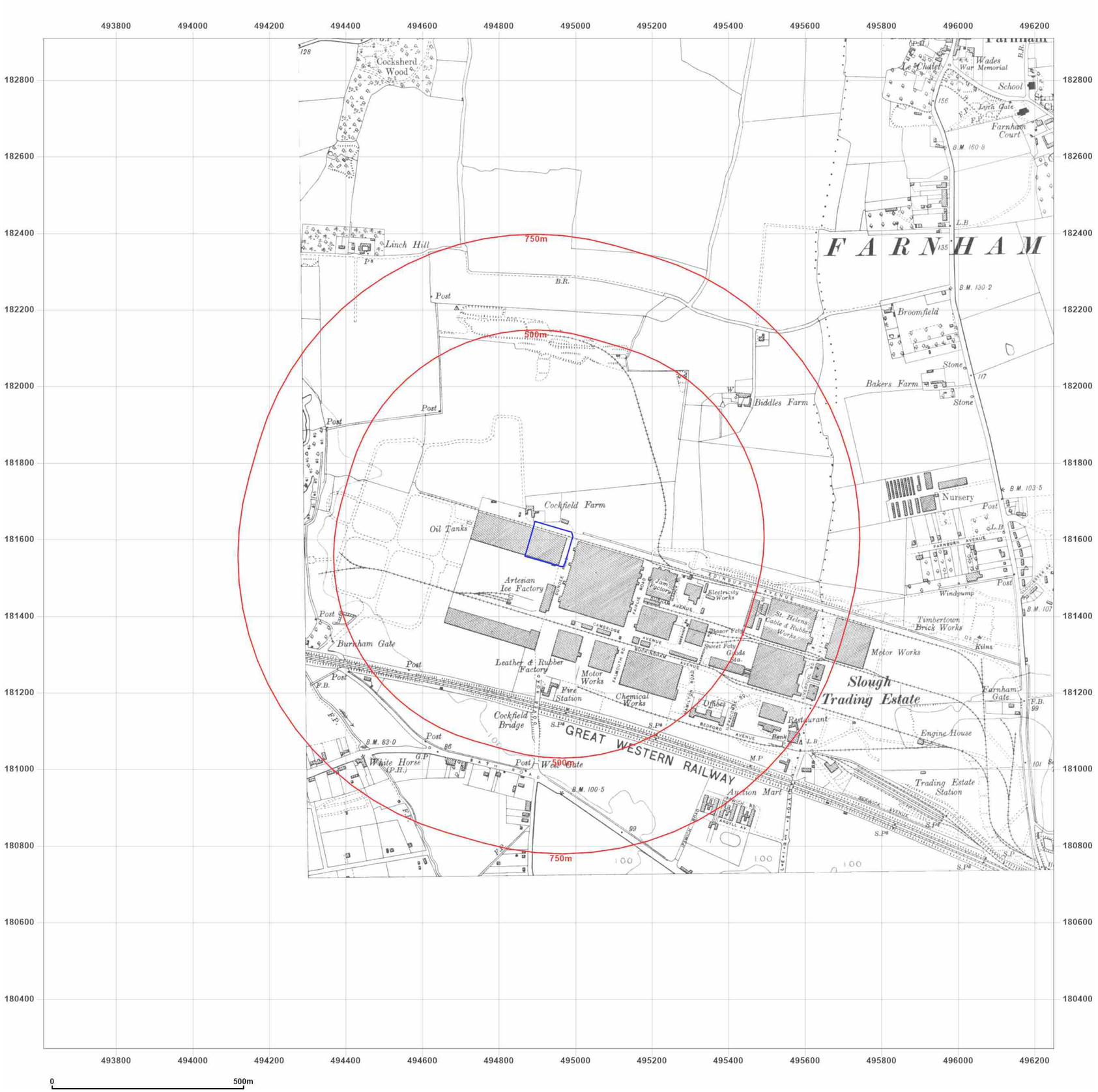

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

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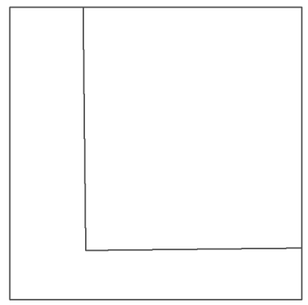

Surveyed 1874
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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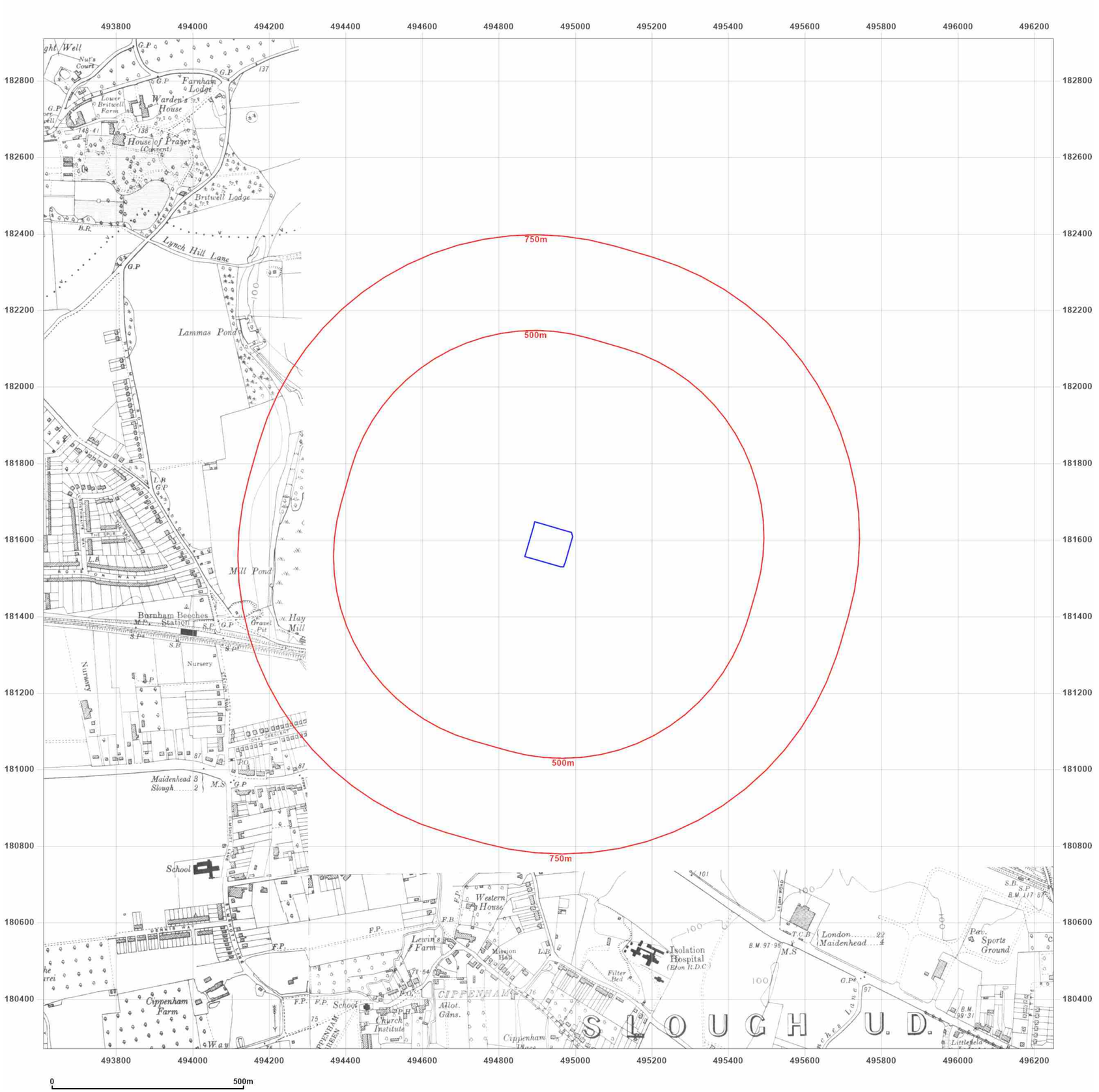

Groundsure INSIGHTS

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Client Ref: 276024
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Grid Ref: 494929, 181589

Map Name: County Series

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Printed at: 1:10,560

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Surveyed 1874
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1874
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1932
Edition N/A
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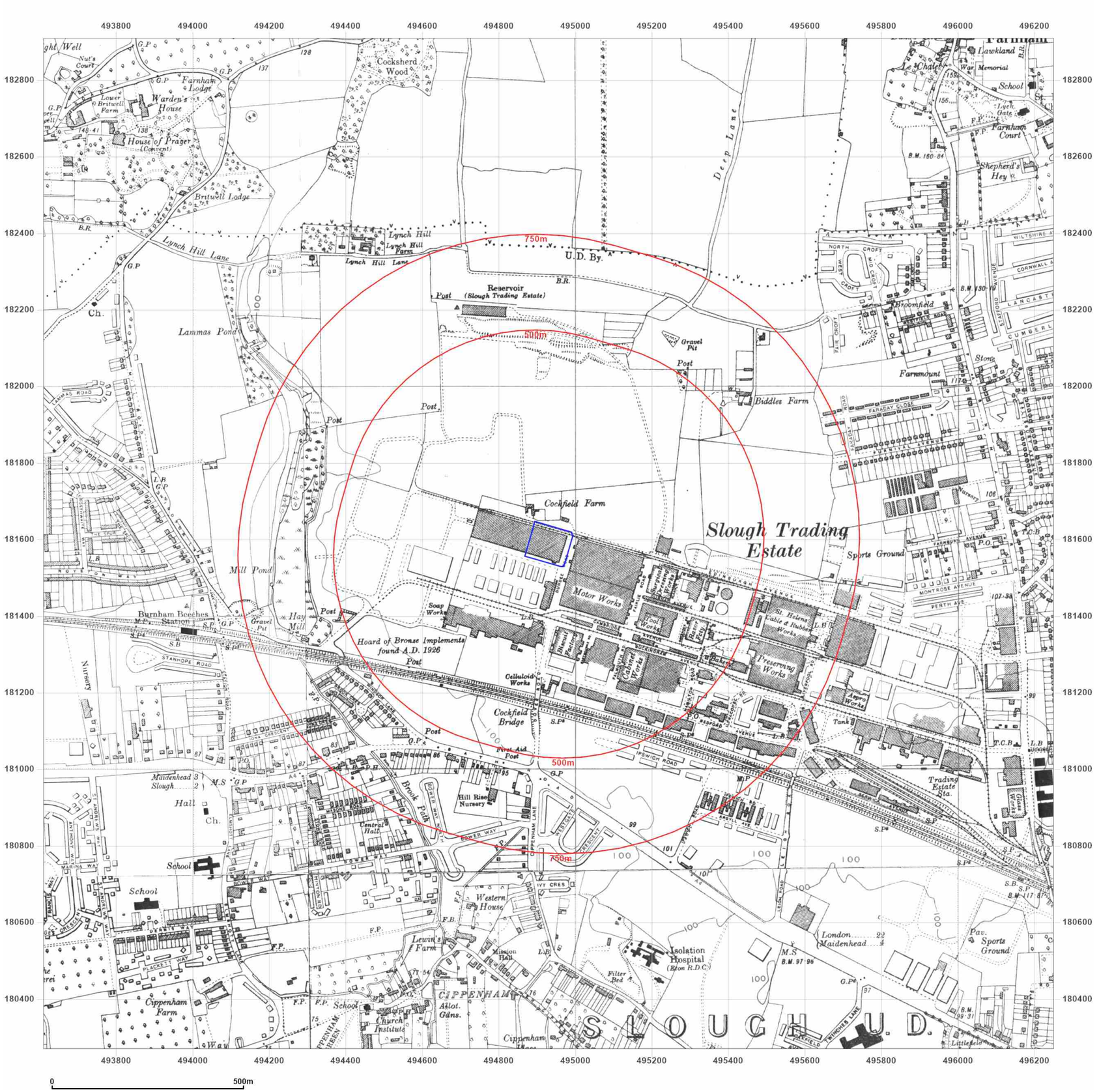

Groundsure INSIGHTS

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Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1874 Revised 1938 Edition 1938 Copyright N/A Levelled N/A	Surveyed 1874 Revised 1938 Edition 1938 Copyright N/A Levelled N/A
Surveyed 1874 Revised 1938 Edition N/A Copyright N/A Levelled N/A	Surveyed 1868 Revised 1938 Edition 1938 Copyright N/A Levelled N/A

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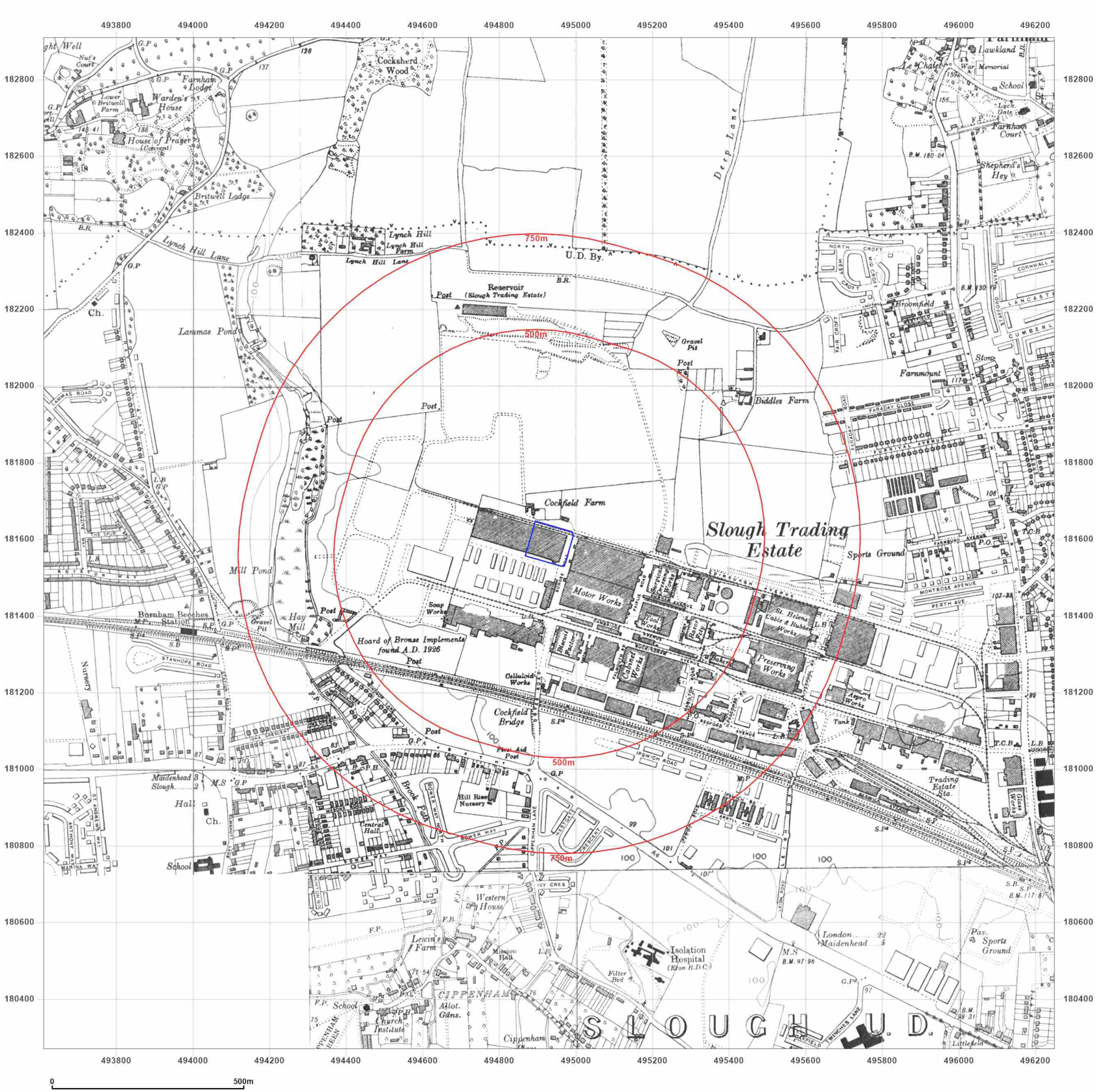

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: County Series

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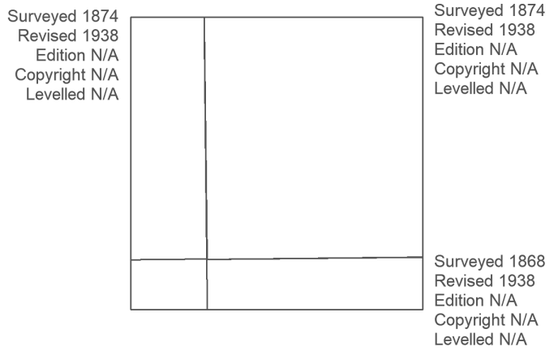

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Map legend available at:
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Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: Provisional
Map date: **1955-1956**
Scale: 1:10,560
Printed at: 1:10,560

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Surveyed 1955
Revised 1955
Edition N/A
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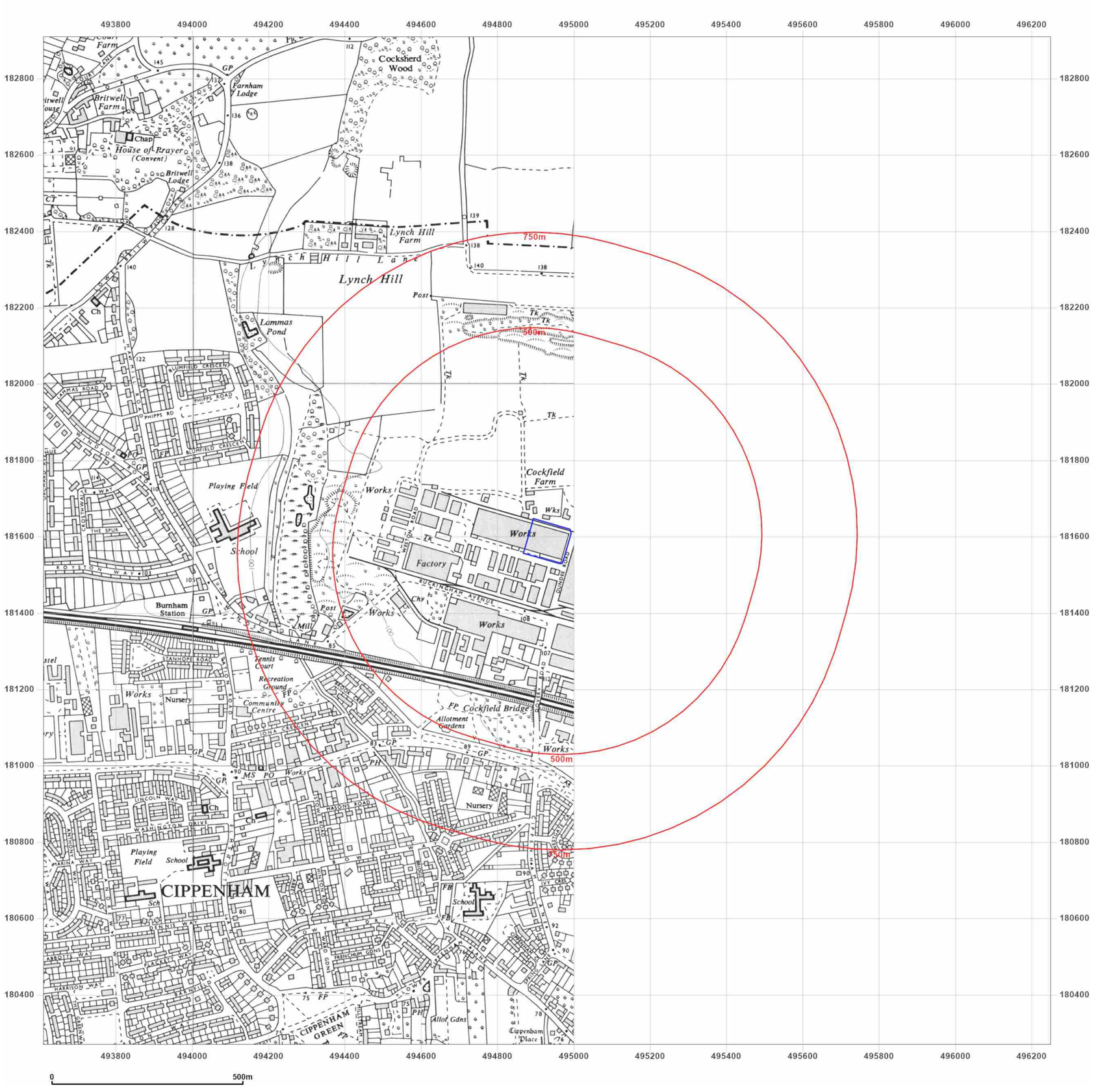

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH,
SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: Provisional

Map date: **1961**

Scale: 1:10,560

Printed at: 1:10,560

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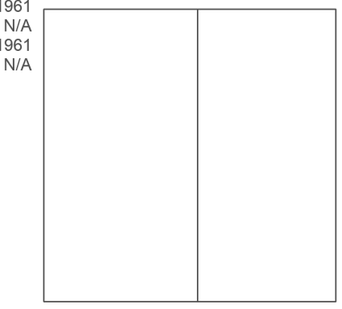
Revised 1961
Edition N/A
Copyright 1961
Levelled N/A



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W: www.groundsure.com

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Levelled 1973

Surveyed 1972
Revised 1975
Edition N/A
Copyright 1975
Levelled 1972

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **1975-1976**

Scale: 1:10,000

Printed at: 1:10,000

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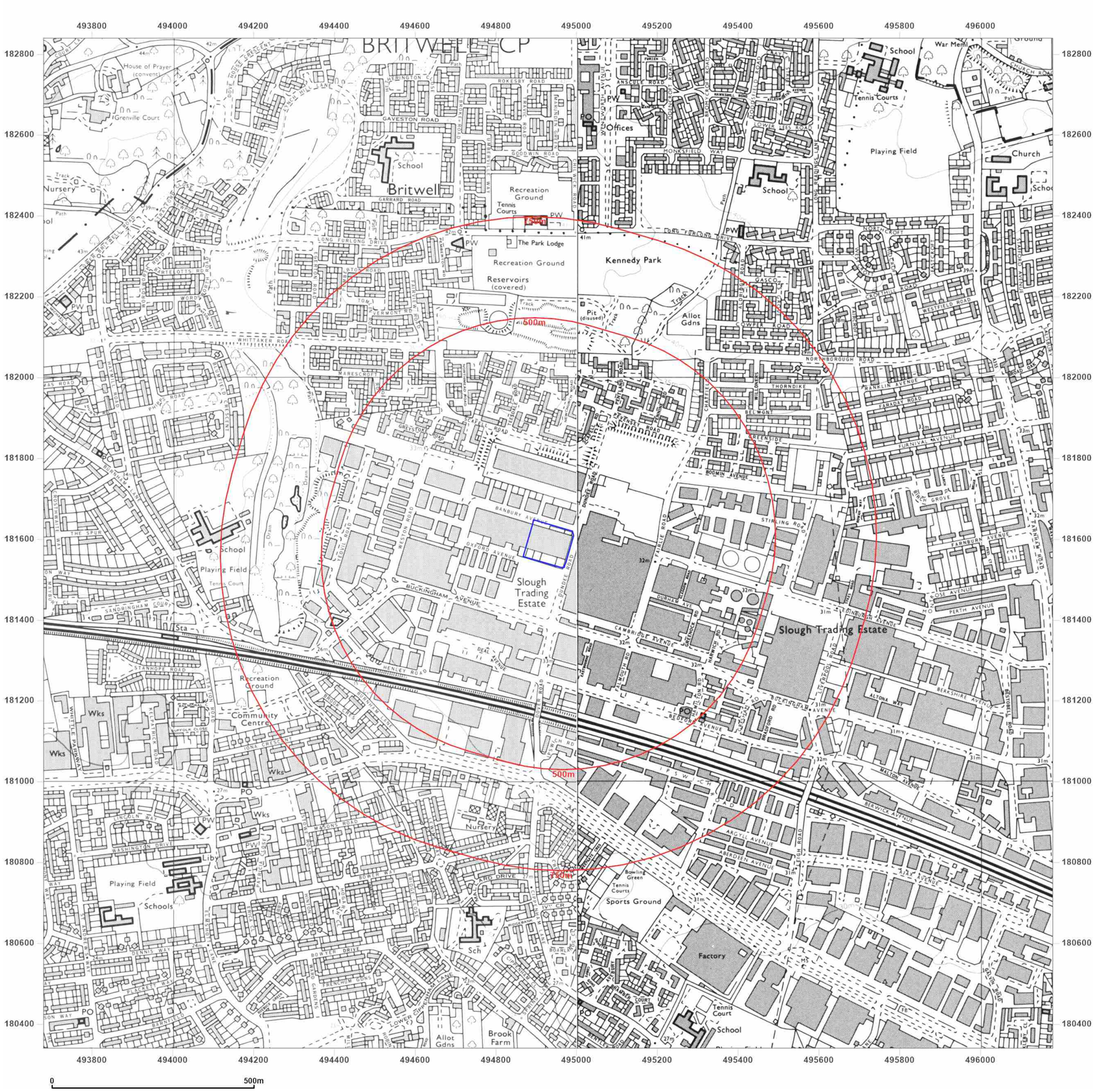

Groundsure INSIGHTS

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BANBURY AVENUE, SLOUGH, SL1 4LR

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Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

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Surveyed 1984
Revised 1985
Edition N/A
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Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **2001**
Scale: 1:10,000
Printed at: 1:10,000

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2001

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W: www.groundsure.com

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Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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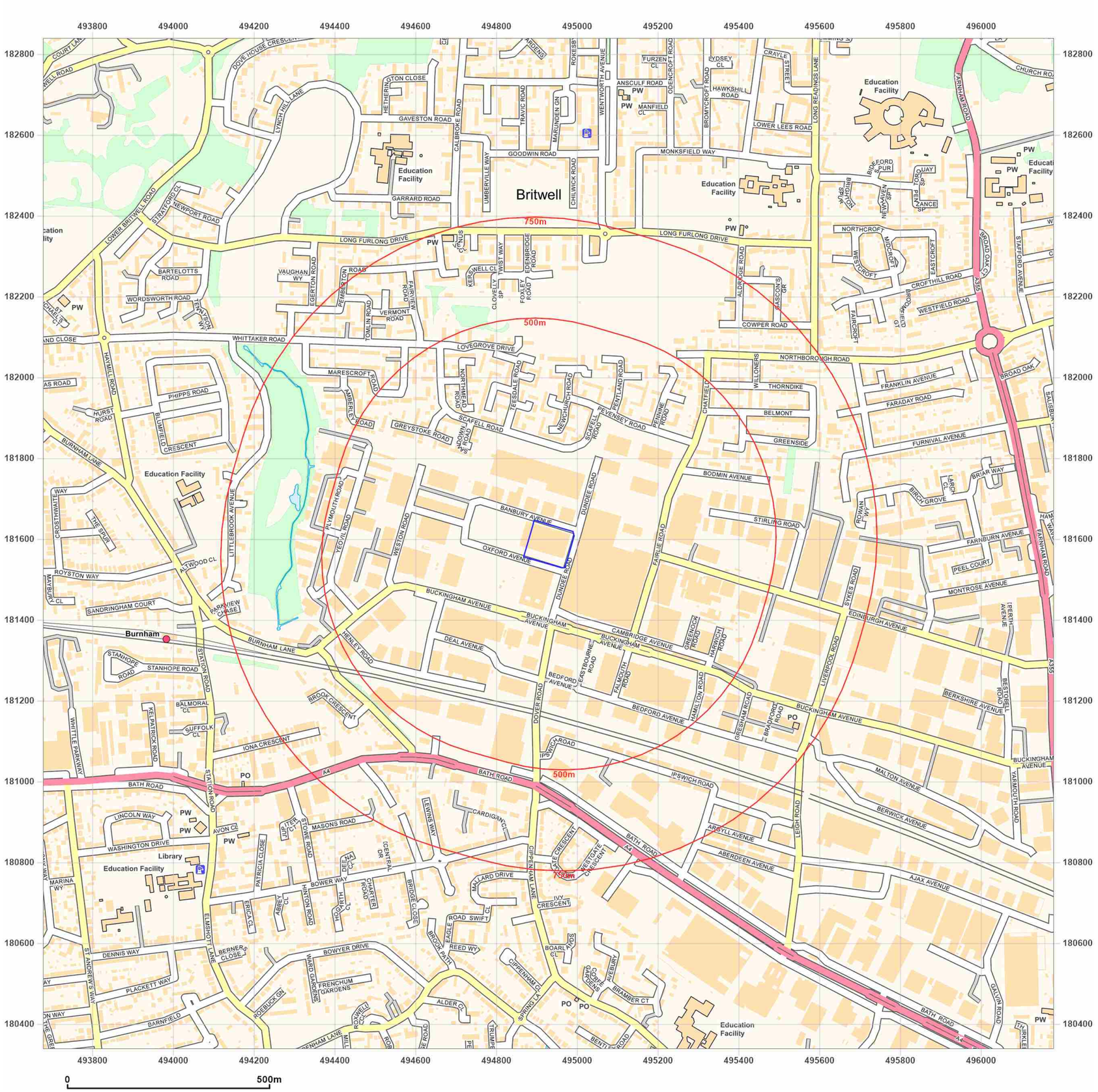

Groundsure INSIGHTS

Site Details:

BANBURY AVENUE, SLOUGH, SL1 4LR

Client Ref: 276024
Report Ref: GS-9036374
Grid Ref: 494929, 181589

Map Name: National Grid
Map date: **2022**
Scale: 1:10,000
Printed at: 1:10,000

N W E S

2022

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Map legend available at:
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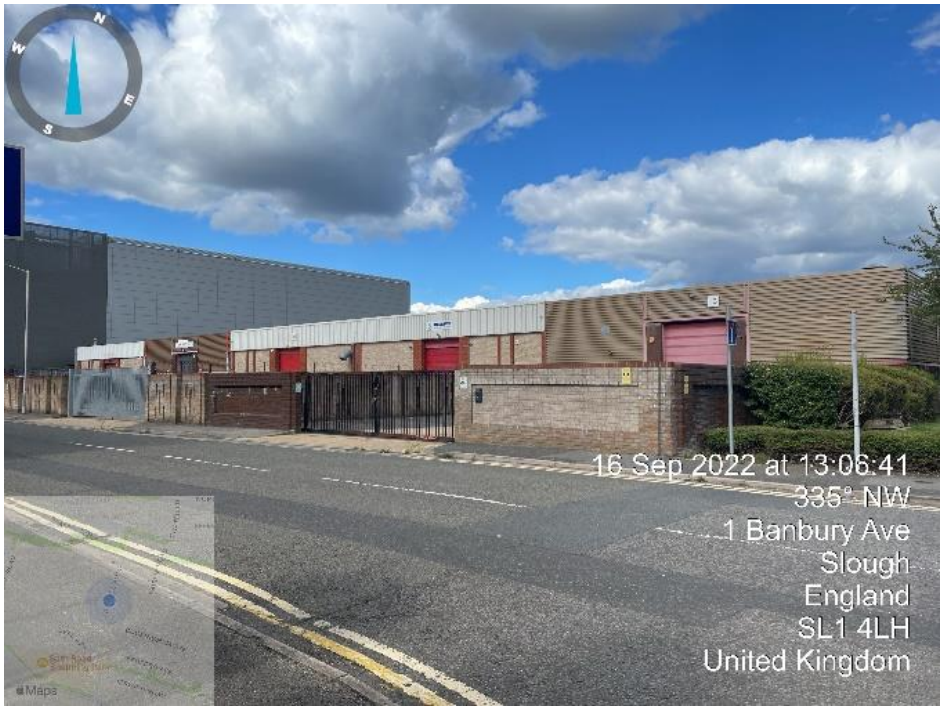
Appendix B

Site reconnaissance photos

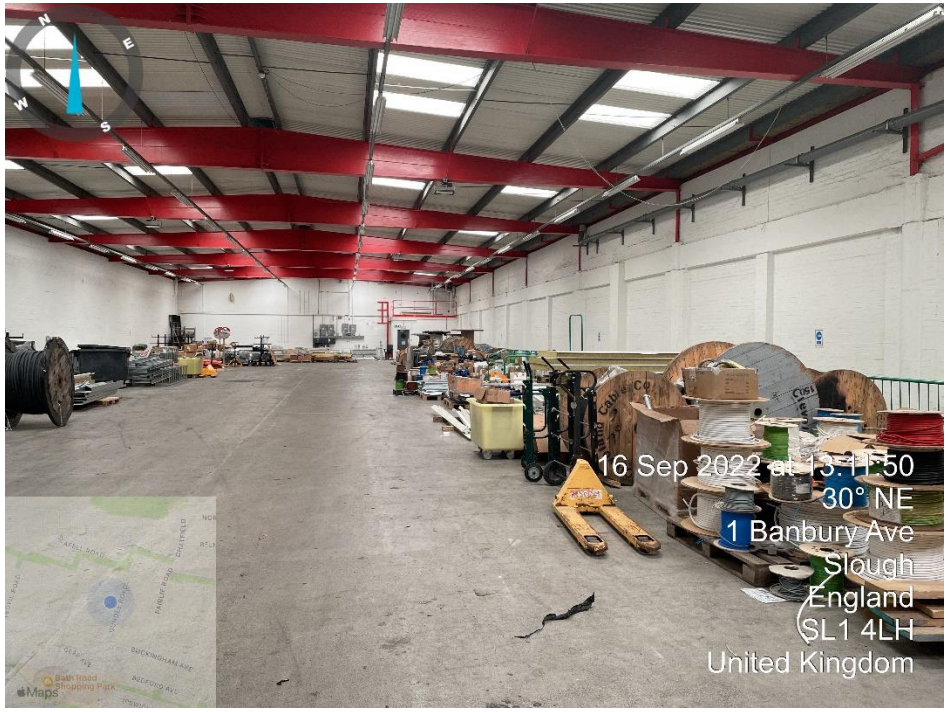
B.1 Site reconnaissance photos



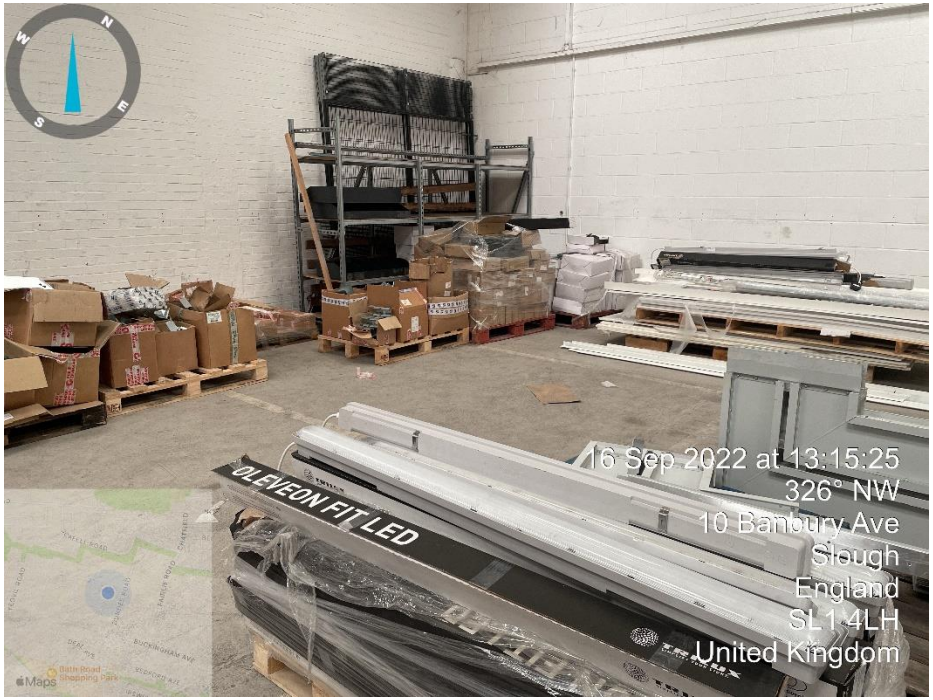
1. View northwest of the rear of the site from Oxford Avenue

2. View north along the eastern boundary with Dundee Road from Oxford Avenue

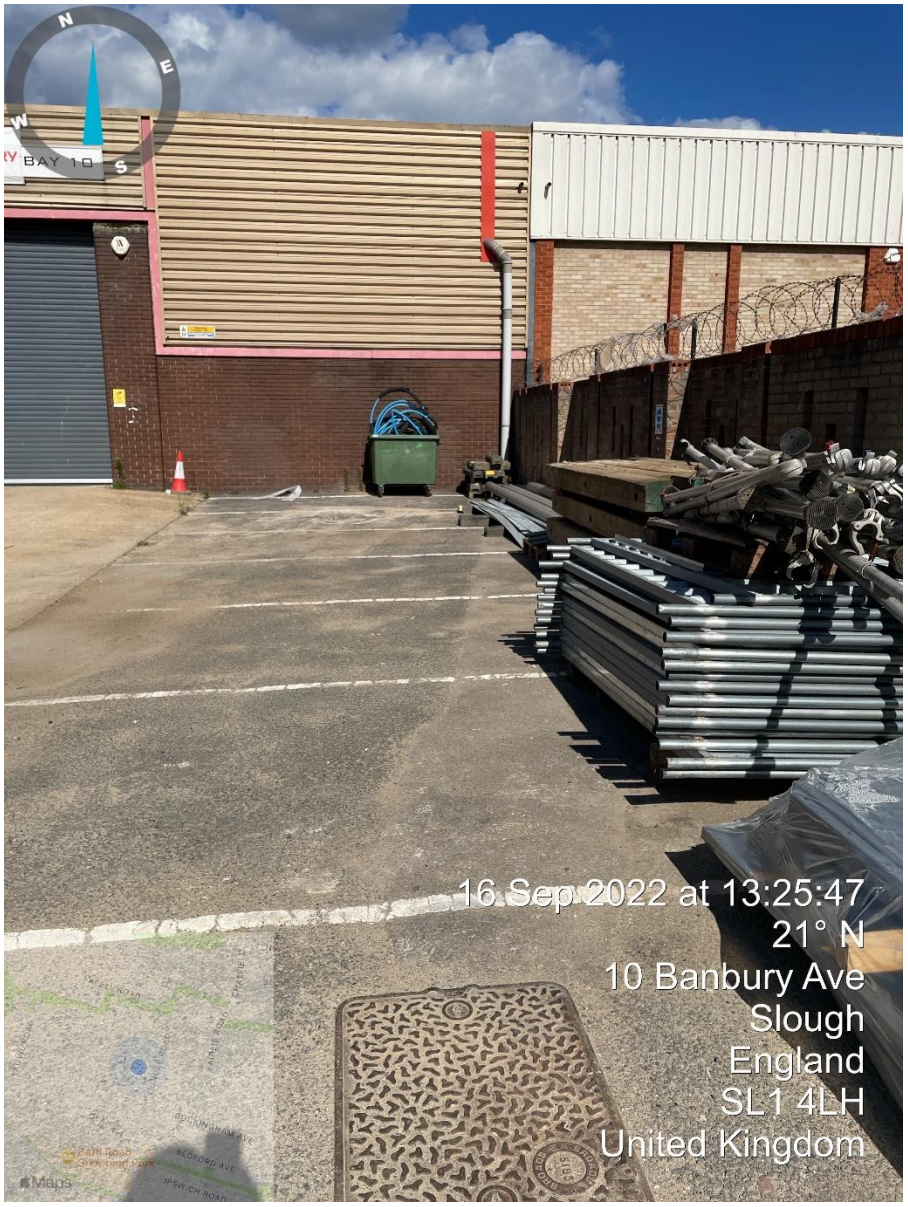
3. View of the area of soft landscaping in the southeast of the site and the location of Delta Simons borehole SE114



4. View of the inside of the Bay 10 warehouse

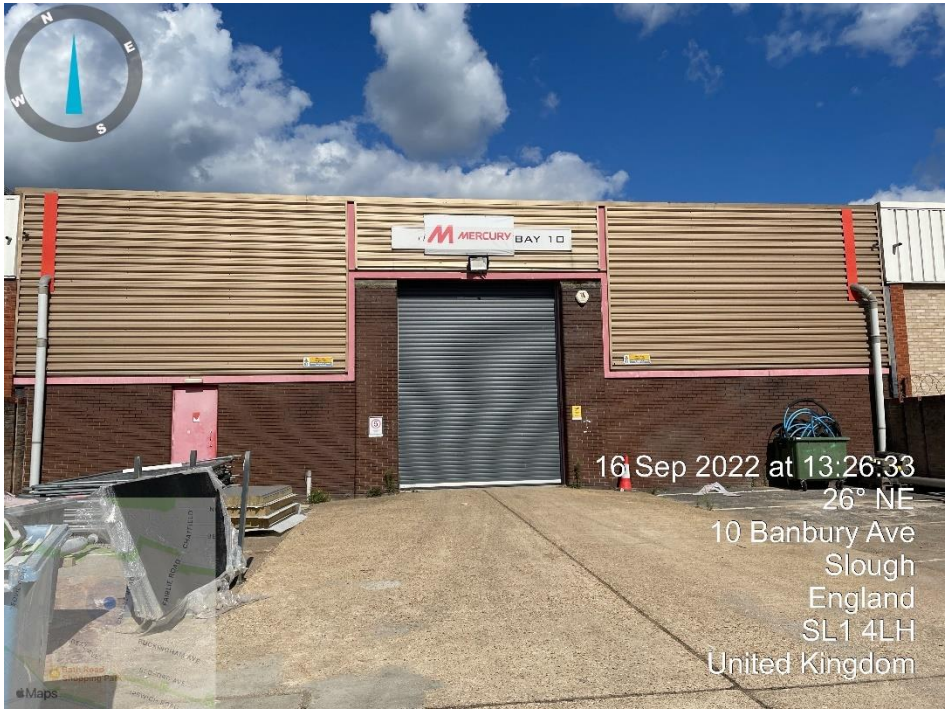
	
5. View of the inside of the Bay 10 warehouse	6. View of the inside of the Bay 10 warehouse

7. View of the inside of the Bay 10 warehouse

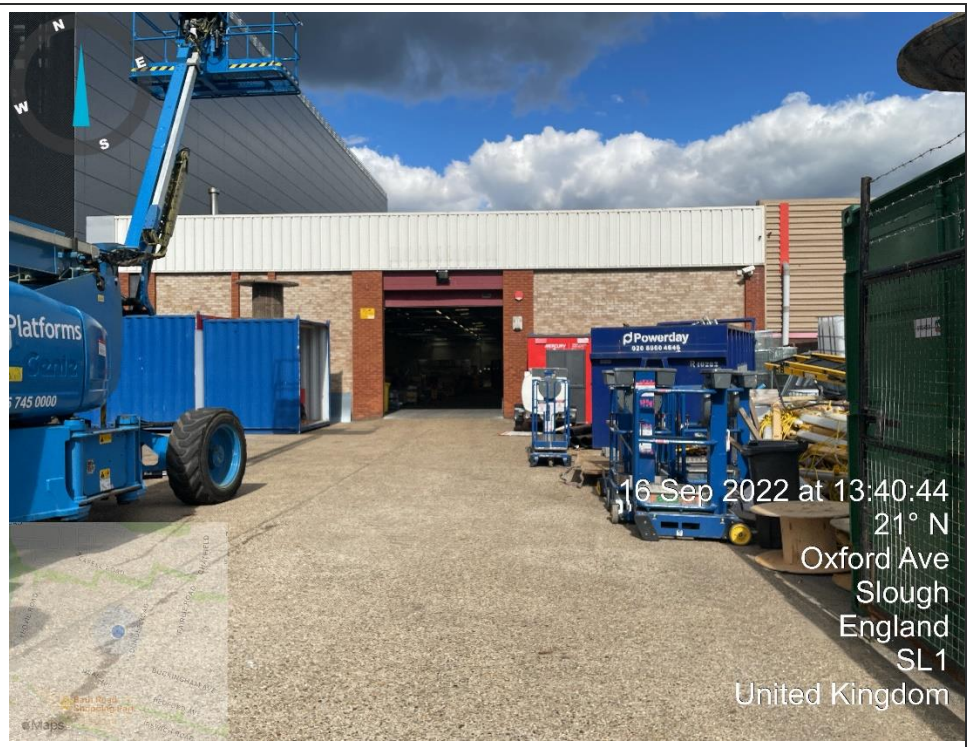


8. View north of the rear loading bay/ vehicle parking area of Bay 10

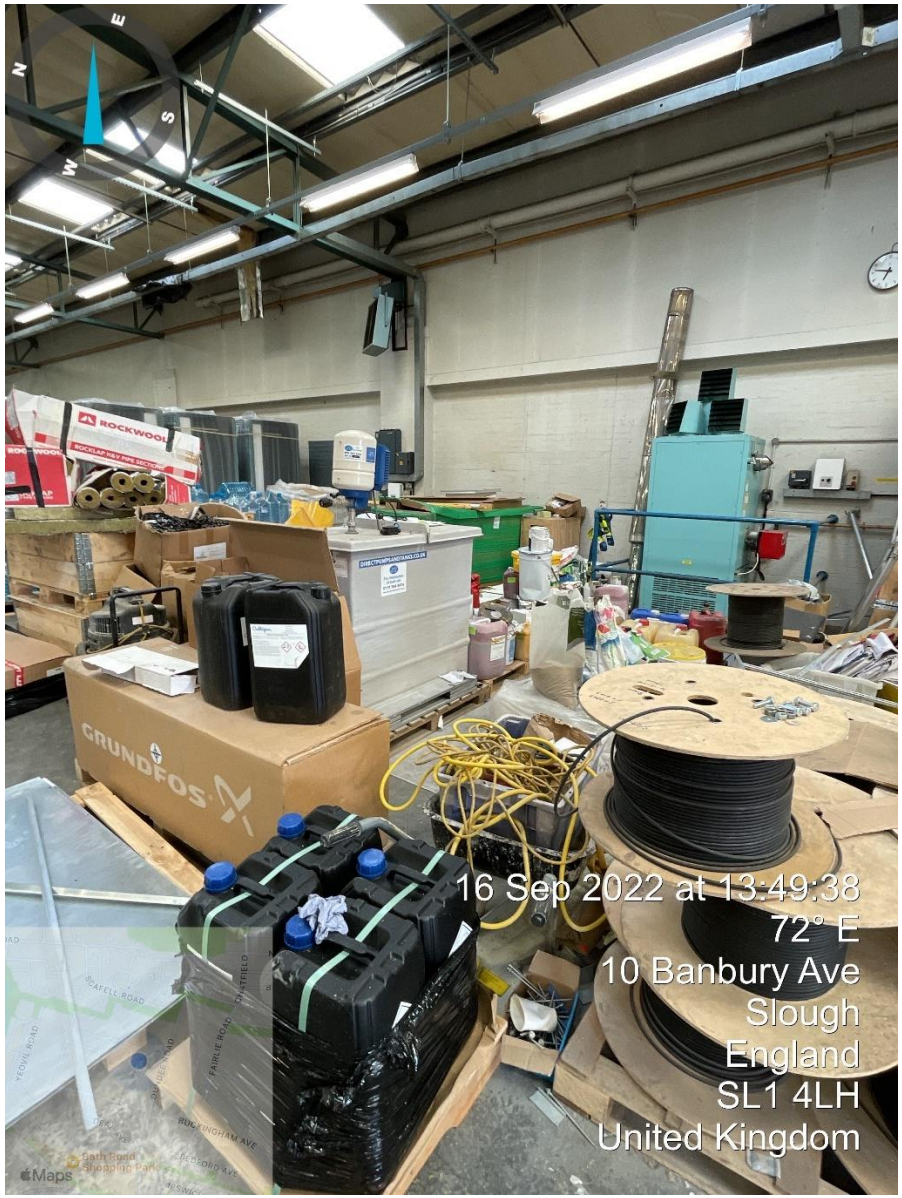
	
9. View south of the rear loading bay/ vehicle parking area of Bay 10	10. View southeast of the boundary between Bay 10 and Bay 11

	
11. View north of the rear of Bay 10	12. View west of the loading bay/ vehicle parking area to the rear of Bay 9 and the western boundary (and adjacent LD7 site beyond). A small area of black staining was observed on the hardstanding

13. View west of the narrow strip of soft standing along the western boundary



14. View north of the rear of Bay 9 and the loading bay/ vehicle parking area

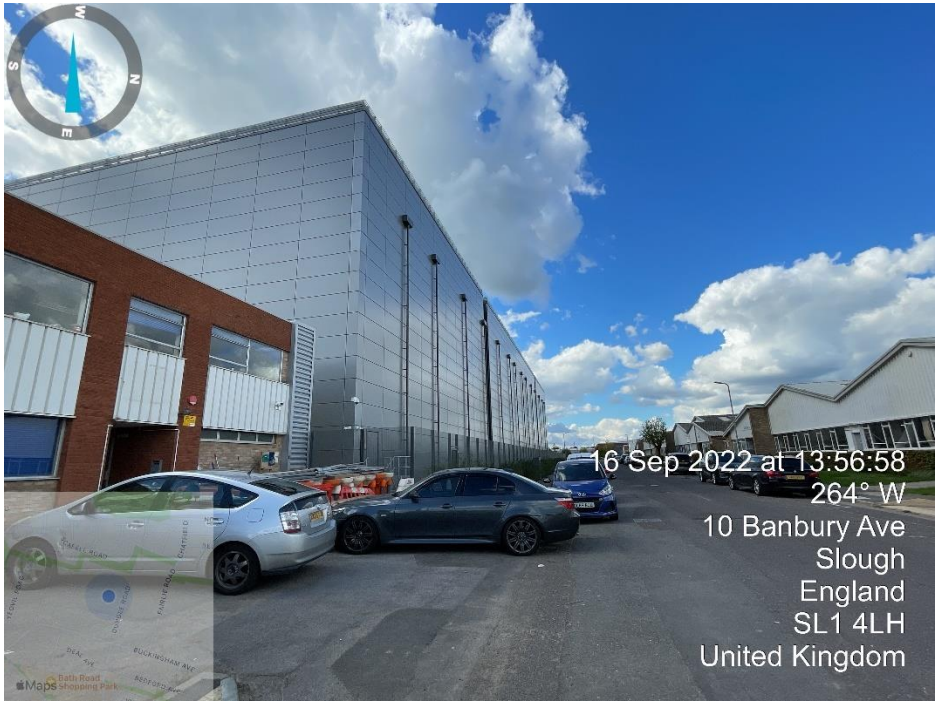


15. View of the inside of the Bay 9 warehouse

16. View of the inside of the Bay 9 warehouse

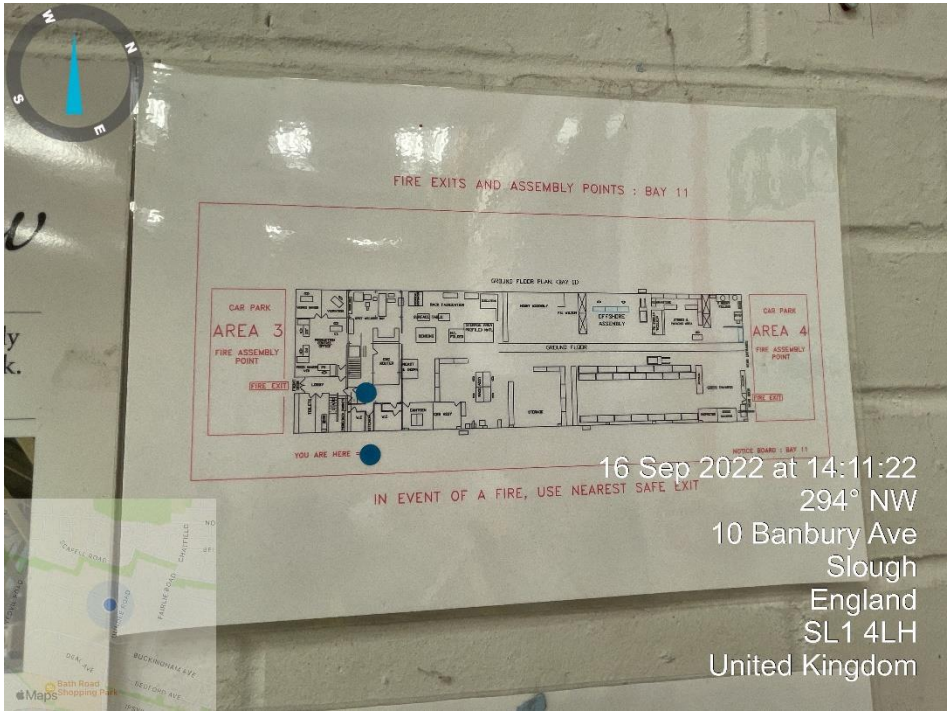
17. View of the former office space in Bay 9 (currently used as welfare facilities for LD7 construction workers)

18. View northeast of the northern boundary of the site with Banbury Avenue showing areas of soft landscaping and car parking at the front of the buildings

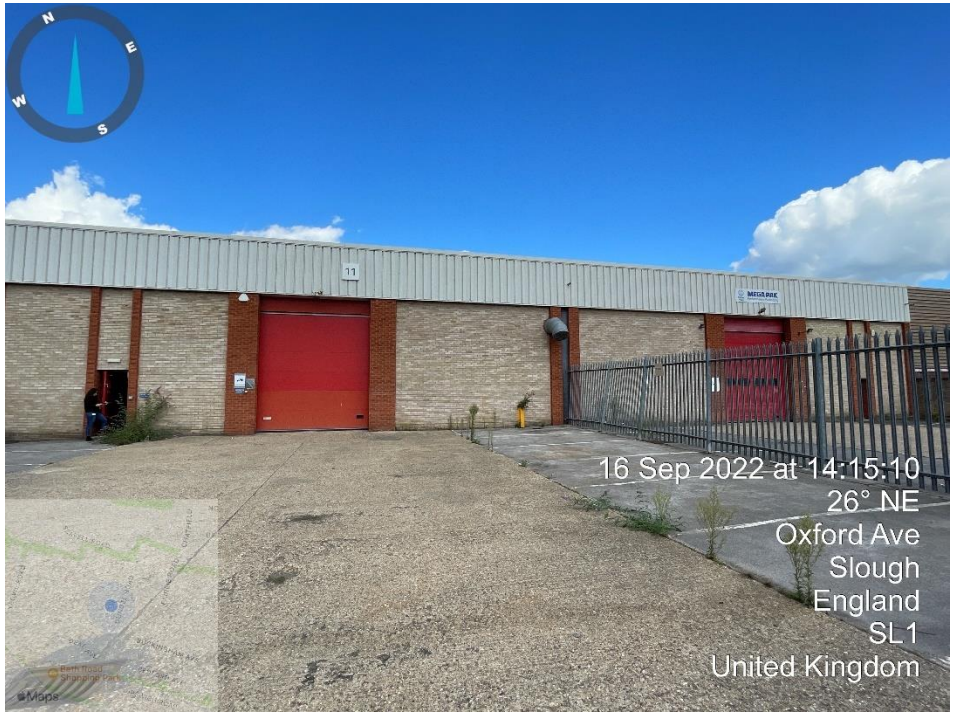


19. View west of the western boundary of the site and adjacent LD7 site

20. View east along the northern boundary with Banbury Avenue showing the front of the building, areas of soft landscaping and car parking



21. Layout plan for Bay 11 showing offices at the front of the building and areas used for storage, packing and assembly within the rear warehouse



22. View north of the rear of Bay 11, the loading bay/ vehicle parking area and the boundary with Bay 12

23. View southeast of the loading bay/ vehicle parking area of Bay 11 and southern boundary with Oxford Avenue

24. View east of the rear loading bay/ vehicle parking area of Bay 12, formerly occupied by Mega Pak

25. View of the inside of the Bay 11 warehouse

26. View of the inside of the Bay 12 warehouse

27. View of the inside of the Bay 12 warehouse

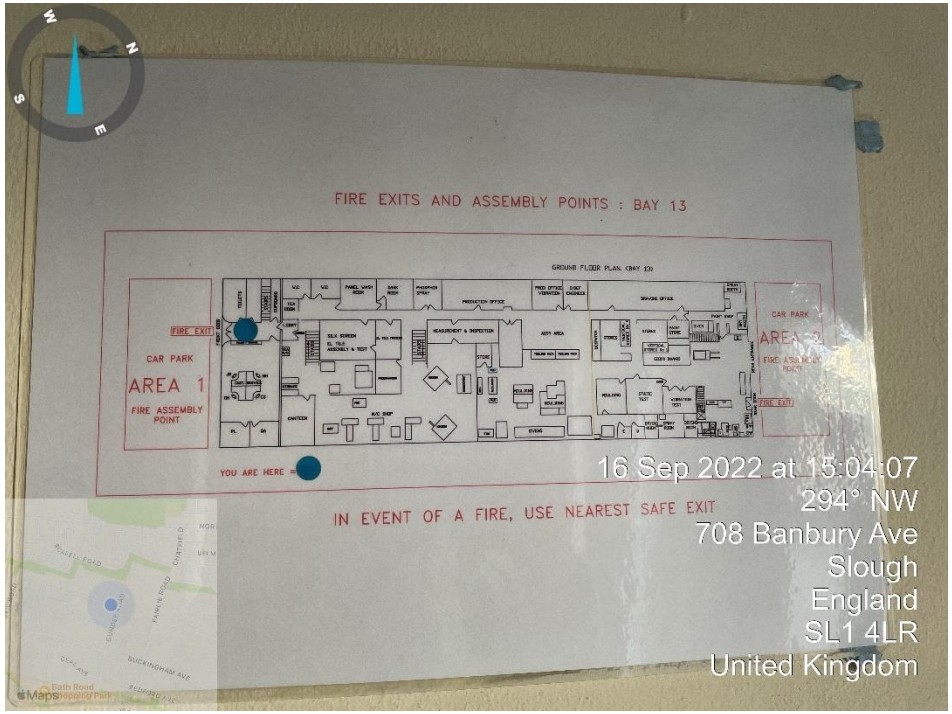
28. View of the inside of the Bay 13 warehouse

29. View of the inside of the Bay 13 warehouse showing pigeons and their droppings

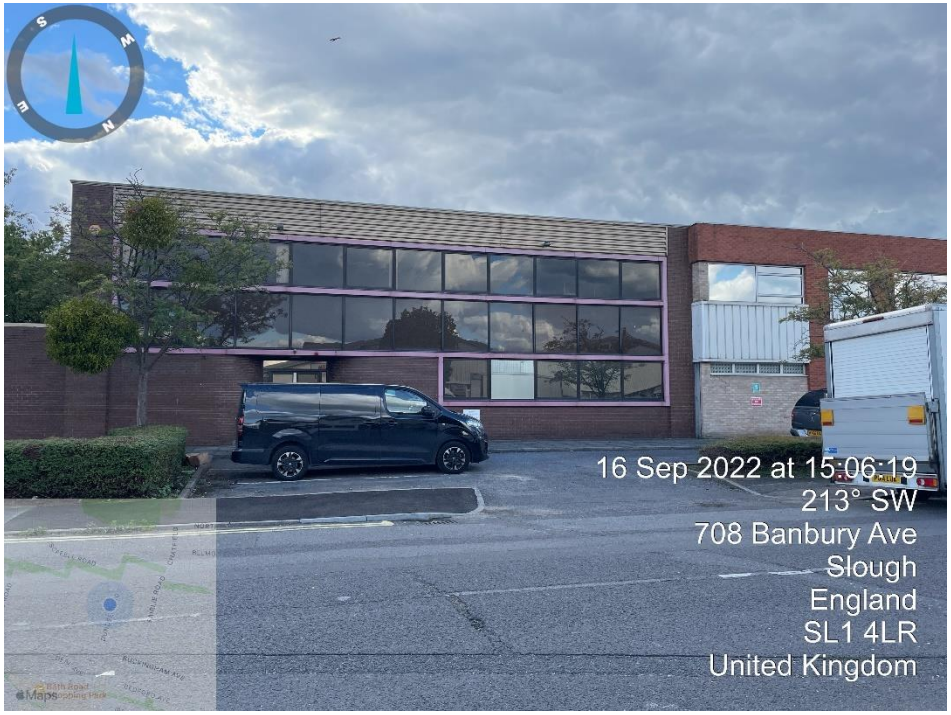
30. Former paint spray shop in the southeastern corner of the Bay 13 warehouse

	
31. View north of the rear of Bay 13 and the loading bay/ vehicle parking area	32. Evidence of a former structure (understood to be a flammable storage container) in the northwest corner of the vehicle parking area at Bay 13

33. View of the former office area at the northern end of Bay 13



34. Layout plan for Bay 13 showing offices at the front of the building and areas used for moulding, testing, paint spraying, storage and drying within the rear warehouse

	
35. View south of the front of Bay 13 and the northern site boundary with Banbury Avenue	36. View west along the northern site boundary with Banbury Avenue showing the front of the building, soft landscaping and car parking areas

37. View southwest of the electricity substation on the eastern site boundary

38. View of the area of soft landscaping in the northeastern corner of the site along the boundary with Dundee Road and Banbury Avenue

	
39. View southwest from the eastern site boundary of the gravel car park area to the east of Bay 13	40. View north along the eastern site boundary with Dundee Road

Appendix C

Risk assessment methodology

C.1 Risk assessment methodology

The potential risks to human health and environmental receptors have been considered in accordance with the current UK approach to contaminated land assessment, taking into consideration the available information on the construction and operational phases of the development.

The method for risk evaluation takes into consideration the magnitude of the potential severity of the risk, as well as the probability of the risk occurring. The risk characterisations have been assessed based on the qualitative method of interpretation set out in CIRIA guidance C552 [29].

The method for risk evaluation involves the classification of the:

- magnitude of the potential consequence (severity) of the risk occurring (refer to Table C1-1); and
- magnitude of the probability (likelihood) of the risk occurring (refer to Table C1-2).

Table C1-1 Classification of consequence

Classification	Definition
Severe	Short-term (acute) risk to human health likely to result in 'significant harm' as defined by the Environmental Protection Act 1990, Part IIA. Short-term risk of pollution of a sensitive water resource. Catastrophic damage to buildings or property. A short-term risk to an ecosystem, or organism forming part of such ecosystem.
Medium	Chronic damage to human health. Pollution of a sensitive water resource. A significant change to an ecosystem, or organism forming part of such ecosystem.
Mild	Pollution of a non-sensitive water resource, such as non-classified groundwater. Damage to buildings, structures and services.
Minor	Harm, which may result in a financial loss, or expenditure to resolve. Non-permanent effects to human health, which could easily be prevented by means such as personal protective clothing. Easily repairable effects of damage to buildings, structures and services.

Table C1-2 Classification of probability

Classification	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long-term, or there is evidence at the receptor level of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible over the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is not certain that such an event would take place.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

Table C1-3 presents the risk assessment matrix and Table C1-4 defines the risk classifications.

Table C1-3 Comparison of consequence against probability

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/ low risk
	Likely	High risk	Moderate risk	Moderate/ low risk	Low risk
	Low likelihood	Moderate risk	Moderate/ low risk	Low risk	Very low risk
	Unlikely	Moderate/ low risk	Low risk	Very low risk	Very low risk

Table C1-4 Risk classifications

Risk classification	Description of risk
Very high	There is a high probability that severe harm could arise to a designated receptor from an identified pollutant linkage at the site without appropriate remediation action. OR there is evidence that severe harm to a designated receptor is currently happening. The risk, if realised, is likely to result in substantial liability.
High	Harm is likely to arise to a designated receptor from an identified pollutant linkage at the site without appropriate remediation action. Realisation of the risk is likely to present a substantial liability.
Moderate	It is possible that without appropriate remediation action, harm could arise to a designated receptor from an identified pollutant linkage. It is relatively unlikely that any such harm would be severe, and if any harm were to occur, it is more likely that such harm would be relatively mild.
Low	It is possible that harm could arise to a designated receptor from an identified pollutant linkage. It is likely that if any harm was realised, at worst any effects would be mild.
Very low	The presence of an identified pollutant linkage does not give rise to the potential to cause harm to a designated receptor.

Appendix D

Regulatory correspondence

D.1 Environment Agency

creating a better place

Environment Agency

Ms Louise Cox
OVE ARUP & PARTNERS
8 Fitzroy Street
London
W1T 4BJ

Our ref: WA/2021/129206/01-L01
EA Project No: ENVPAC/1/THM/00576
Your ref: 248059

Date: 23 July 2021

Dear Ms Cox

Detailed Planning Advice For The Review Of Pre, During And Post Piling Groundwater Monitoring Report At LD7.2 Plot 8, Slough

LD7.2 Plot 8 Land North Of Oxford Avenue Slough

Thank you for accepting our offer to provide detailed planning advice. The advice detailed below is intended to inform your development proposal. It is not our statutory response to a planning application consultation.

We have reviewed the following documents:

- Pre, during and post piling groundwater monitoring at LD7.2 Plot 8, Slough in a letter to Mr Alex Swann from ARUP dated 8 April 2021.

We are providing this advice under Agreement No. ENVPAC/1/THM/00576. Please note we have taken 3 hours to review and provide our advice on these documents and you will be invoiced accordingly.

Please note that we are only providing you with our advice on the matters as outlined in our offer as requested.

Environment Agency Advice
We have the following comments to make about the documents submitted:
Thank you for supplying the groundwater monitoring data. The groundwater situation on this site is complex and uncertain. There were significantly elevated levels of chlorinated solvents detected, often hundreds of times larger than Environmental Quality Standards (EQS) and Drinking Water Standards (DWS). From the previous investigations there was no obvious source for these and a possibility that the source lay offsite to the north. Piling through strata with poor water quality as indicated at this site comes with risks. The monitoring has shown that there has been no long term deterioration in water quality for the majority of the species, both organic and inorganic, although it does remain of poor standard.

Cont/d..

There seems to be some southerly migration and increasing trends particularly for PCE and TCE. This is of particular concern as there is a licenced abstraction TH/039/0027/022 only approximately 70 metres to the south of the site. Fortunately this abstracts from the deeper Lower Greensand aquifer so should not be impacted. However, the monitoring of groundwater shows the detrimental effect of piling on areas of poor groundwater quality. Poor water quality in both the gravel and chalk aquifers may be part of the reason why many of the abstractions in Slough seek to source water from the deeper Lower Greensand aquifer. Spreading contaminant plumes are detrimental to Water Framework Directive goals to bring groundwater bodies such as the Chalk and River Gravels back to 'good' status.

We are thankful to ARUP for providing this data and would agree with the conclusions of the report, but there has been some impact from the piling on water quality.
Given the complex planning history of this site, if new information were to arise with respect to the source of these chlorinated solvents, it is not clear whether this would fall into the Part 2A Contaminated Land Regime. This is because their impacts on the environment has not been improved by this development.

Final comments
Once again, thank you for contacting us with your enquiry. Our comments are based on our available records and the information as submitted to us.

I hope the above advice is helpful. If there is any further work you anticipate needing our detailed advice on in relation to this project, please let me know so it can be incorporated into this charging agreement.

Disclaimer
Please note that the views expressed in this report by the Environment Agency, is a response to a pre-application enquiry only and **does not represent our final view in relation to any future statutory consultations made in relation to this site**. We reserve the right to change our position in relation to any such application.

You should seek your own expert advice in relation to technical matters relevant to any conditions before submission.

Please quote our reference number in any future correspondence. If you have any queries please feel free to contact me.

Yours sincerely

Mr Alex Swann
Planning Advisor

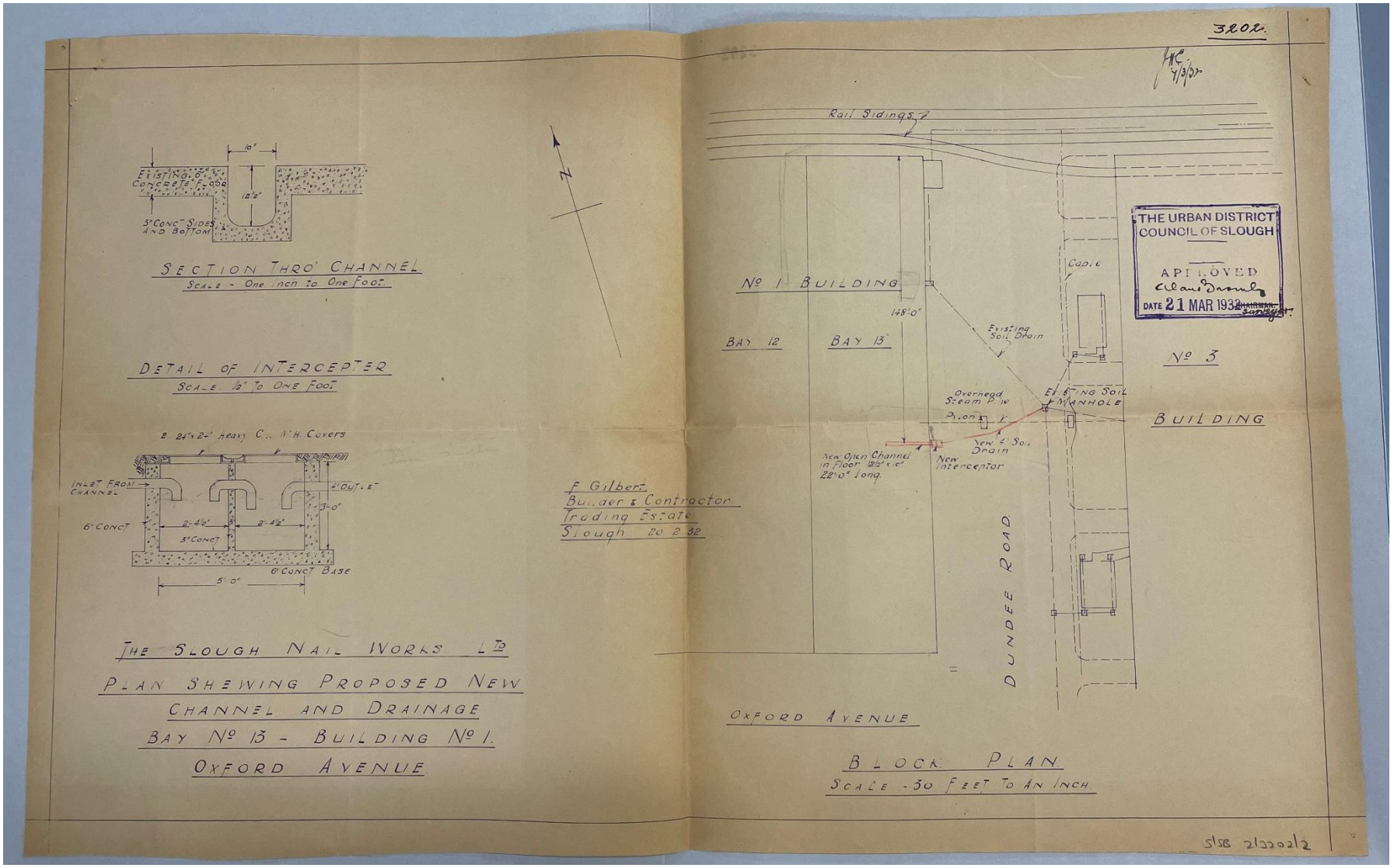
Direct dial 020 771 40593
Direct e-mail Planning_THM@environment-agency.gov.uk

End

Appendix E

Additional historical plans and photographs

E.1 Berkshire Record Office



Extract from Berkshire Record Office catalogue reference S/SB/2/3202/2 – open channel in factory and 4" drain to connect with the existing sewer in Dundee Road (Bay 13, Building No.1, Oxford Avenue, 22 Feb 1932)

E.2 Slough Museum

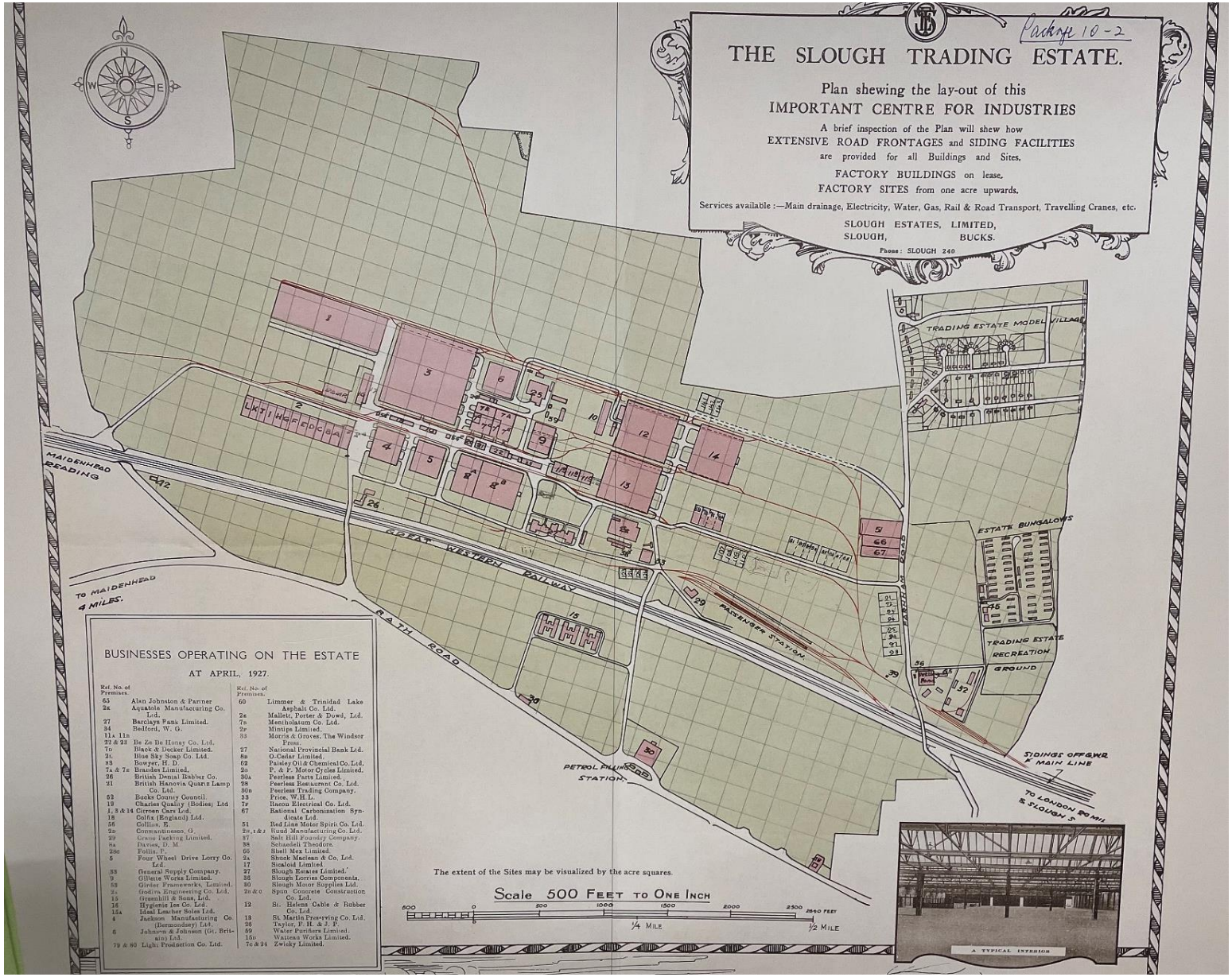
	
Photo of the trading estate in the 1920s	Advert for typical factories available to rent within the trading estate

	
Photo of the Slough Trading Estate from the 1920s	Photo of the entrance to Slough Trading Estate during the 1930s

Plan of the trading estate, 1973

Photo of the inside of a typical factory unit from the 1920s and 1930s

Photos from the Slough Trading Estate (1920s to 1950s)



Layout plan of the Slough Trading Estate showing businesses operating in April 1927