



Geo-Environmental

DESK STUDY REPORT

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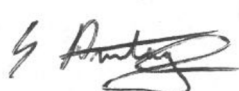
MAGENTA READING,

2-4 DARWIN CLOSE,

READING, RG2 0RB

on behalf of

MAGENTA STORAGE (DC) LIMITED

Report:	DESK STUDY REPORT
Site:	MAGENTA READING, 2-4 DARWIN CLOSE, READING, RG2 0RB
Client:	MAGENTA STORAGE (DC) LIMITED
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APPENDICES

APPENDIX A	Desk Study Information
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1.0 INTRODUCTION

Geo-Environmental Services Limited (Geo-Environmental) was instructed by Ardington Construction Management on behalf of Magenta Storage (DC) Limited (the Client) to undertake a desk based investigation of the geotechnical and geo-environmental factors pertaining to proposed minor external works at Magenta Reading, 2-4 Darwin Close, Reading, RG2 0RB (herein referred to as 'the site'). The site's location is presented in Figure 1.

It is understood that the site is proposed to undergo external alterations, new canopy, provision of a photovoltaic array and locally raising of external levels at the building access doors along with associated drainage. The proposed works are entirely external, but with some minor works required to level a floor within a former loading bay area. The proposed works are shown in Figure 2.

1.1 Objectives

The investigation was to comprise a desk study of geotechnical and geo-environmental factors pertaining to the site, including a review of available historical maps and an examination of other available sources of geo-environmental information.

A Preliminary Risk Assessment (PRA) was to be undertaken as part of the desk study in accordance with Land Contamination Risk Management (LCRM). The objective of the risk assessment was to evaluate plausible pollutant linkages with respect to the proposed development, adjacent land uses, and the wider environment, in the context of planning, immediate liabilities under the Environment Protection Act 1990, and risks posed to Controlled Waters under the Water Resources Act.

1.2 Standards

Where practicable, the desk study was undertaken in accordance with the following documents and guidance:

- National Planning Policy Framework – July 2021;
- Planning Policy Statement 23 – Planning and Pollution Control;
- Land Contamination Risk Management (LCRM), Environment Agency, updated April 2021;
- Model Procedures for the Management of Contaminated Land, CLR11, DEFRA and Environment Agency 2004 (withdrawn);
- Environment Agency Guidance on Requirements for Land Contamination Reports, Version 1 dated July 2005;
- BS10175:2011+A2:2017 - Investigation of Potentially Contaminated Sites - Code of Practice, BSI 2017;
- BS5930: 2015+A1:2020 - Code of Practice for Site Investigations, BSI 2020;
- EN ISO 14688 Geotechnical Investigation and Testing Part 1-2002 and Part 2-2004;
- BS1377: 1990 - Soils for Civil Engineering Purposes, BSI1990;
- NHBC Standards Chapter 4.1 Land Quality - Managing Ground Conditions;
- NHBC Standards Chapter 4.2 Building Near Trees;
- CIRIA C665 – Assessing risks posed by hazardous ground gases to buildings (2007);
- NHBC 10627-R01(04) – Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (2007);
- BS8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings;
- Department of Environment - Industry Profiles (1995 - 1996).



1.3 Conditions

The desk study data obtained for the site is assumed to be factually correct and up to date at the point of their acquisition. No liability is taken for any omissions or inaccuracies in the data acquired. It should also be noted that changes to the desk study data may occur following the production of this report, Geo-Environmental accepts no liability where this subsequently affects the assessment presented herein.

The information collected from the desk study and site walkover has been used to provide an interpretation of the geotechnical and environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that have either not been revealed in the available records, site walkover, or that occur between or under points of any physical investigation. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

It must be noted that in particular the concentrations and levels of mobile liquid and gaseous materials are likely to vary with time. The results obtained may therefore only be representative of the conditions at the time of walkover or sampling (if/where undertaken). The absence of asbestos noted during the site walkover or within any soil samples analysed does not guarantee the absence of asbestos within buildings, within or bonded to concrete, as discrete burials, or within the soil mass elsewhere within a site. This report must not be taken as, or assumed to imply, any guarantee that a site is free of hazardous or potentially contaminative materials.

Information contained in this report is intended for the use of the Client, and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever expressed or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Assessment criteria or other parameters developed for the evaluation of contamination on this site are based on a number of assumptions regarding exposure and toxicology. Exposure to contaminants and levels of adverse effects may therefore vary. Whilst reasonable care and expertise has been employed in the development of such criteria, no liability is accepted in this respect. Other criteria or guidance on the development of assessment criteria may be published in the future and no liability is accepted in this respect.

This report remains the property of Geo-Environmental and the Client has no rights to, or reliance upon this document or supporting documents until such time as payment has been received in full for all invoices for works undertaken in connection with this report.



2.0 DESK STUDY

The findings of the Phase I desk study are presented in the following section. A copy of the historical maps and other information obtained as part of the desk study are presented in Appendix A. Comments made in the following section regarding possible ground conditions on the site are based purely on the desk study and associated site walkover.

2.1 Site Description

The site was located at National Grid Reference 471263 170384 and extended to approximately 0.43ha in area. Access to the site was through a large gateway located along the eastern site boundary.

The site comprised an approximately rectangular shaped parcel of land bordered to the north and east by roads, the west by fencing and hedgerow, beyond which appears to be a car park, and to the south by commercial units. The hedgerow comprised cut immature trees and bushes.

Two buildings were observed on site. In the north a five story building was present with a stairwell running up the western wall. Connected to the northern building by the western stairwell and extending southwards was a three-story building, the ground floor of which contained loading bays. Both buildings were constructed with brick and concrete. A form of antenna was observed on top of the five-story building.

Interior inspection was not possible within the northern building. The ground floor interior of the western three-story building comprised concrete flooring with concrete and steel vertical supports. A brick wall was present within the northernmost room of the building. Staircases were observed within the northern, southwestern and central eastern portions of the building. A room containing fuse boards, switches and a server was observed in the north-western portion of the buildings. A plantroom containing a boiler and associated equipment and insulated pipework was observed through a metal wire grate on along the outer western wall of the building.

Hard landscaping used for vehicle manoeuvring and parking was observed along in the eastern and southern and the southwestern portion of the site. A concrete path was observed running along the northern wall of the buildings. Grass covered soft landscaping was observed in the north-western and northern portion of the site. Trees and tree stumps were observed throughout the soft landscaped areas. Manhole covers were observed in all areas of the site within both hard and soft landscaped areas.

At the time of the site walkover, internal renovation work was already underway. A stockpile of crushed brick and concrete as well as steel reinforcement mesh was observed along the eastern site boundary.

Circle Reading Hospital was located immediately beyond Commercial Road, running along the northern site boundary. The remaining surrounding land appeared to comprise industrial units and associated infrastructure with residential housing to the northeast.

2.2 Geology

British Geological Survey geological mapping indicated the geology of the site are likely to comprise London Clay overlying Lambeth Group with the Lambeth Group mapped at the surface in the southwest of the site. Given the previously developed nature of the site, Made Ground may be present in some areas.

BS5930:2015 defines **Made Ground** as anthropogenic ground in which the material has been placed without engineering control and/or manufactured by man in some way, such as through crushing or washing, or arising from an industrial process. Great variations in material type, thickness and degree of compaction invariably occur



and there can be deleterious or harmful matter, as well as potentially methanogenic organic material. In addition, where identified it is not uncommon for asbestos to be present within Made Ground soils.

London Clay comprises a stiff grey fissured clay, weathering to brown near surface. Concretions of argillaceous limestone in nodular form (Claystones) occur throughout the formation. Crystals of gypsum (Selenite) are often found within the weathered part of the London Clay, and precautions against sulphate attack to concrete are sometimes required.

The **Lambeth Group** comprises a mixture of stiff to hard red, blue/grey and brown mottled clays with basal beds of sand and gravel which vary greatly both laterally and vertically. Locally, these sediments are cemented with calcium carbonate, iron oxides and silica to form materials with relatively high strength.

2.3 Hydrogeology

With reference to BGS data, the bedrock geology was classified as Unproductive Strata (London Clay Formation) and a Secondary 'A' aquifer (Lambeth Group).

Secondary 'A' aquifers are 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.

Unproductive Strata Unproductive Strata are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

According to information provided from the Environment Agency the site is not located within any Source Protection Zones (SPZ).

Three groundwater abstraction points/areas were identified within 500m of the site as detailed below:

- 8m E – Historical; Laundry use; Clean Linin Services LTD - Darwin Close, Whitley, Reading.
- 66m E - Historical; Laundry use; Clean Linin Services LTD - Darwin Close, Whitley, Reading.
- 307m SW – Historical; General Use Relating To Secondary Category (Low Loss); Reading Football Club – Madejski Stadium Wellpoints.

The environmental dataset did not identify any pollution incidents to groundwater within 500m of the site.

The environmental dataset identified that there was a moderate to moderate-high potential for groundwater flooding to occur at surface on site.

2.4 Hydrology

With reference to the Groundsure dataset, the closest surface water feature appeared to comprise an inland river 179m west of the site.

Ambiental Risk Analytics surface water (pluvial) FloodMap indicated the subject site to be at a 1 in 250 year risk area of surface water flooding, although the majority of the site was mapped outside the 1 in 1000 year risk area.

The site was indicated to lie outside Flood Zones 2 and 3.

The environmental dataset indicated no surface water abstraction points within 500m of the site.



Four discharge consents to surface water were identified within a radius of 250m of the site boundary, details are presented below:

- 84m NW; Land between Circuit Lane PS, & Manor Farm STW, Reading; Issue date: 24/06/1992; Revocation date: 29/10/1992; Miscellaneous discharges – mine/groundwater as raised; Receiving waters: Holy Brook.
- 148m S; Reading, Lower Whitley; Issue date: 02/11/1989; Revocation date: 27/01/1997; Sewage discharges – pumping station – water company; Receiving water: Foundry Brook.
- 179m N; Manor Farm STW, Reading, Berkshire; Issue date: 12/02/1973; Revocation date: 16/08/1990: Sewage discharges – final/treated effluent – not water company: Receiving waters: Foundry Brook.
- 179m N; Manor Farm STW, Reading, Berkshire; Issue date: 12/06/1958; Revocation date: 15/02/1991: Sewage discharges – final/treated effluent – not water company: Receiving waters: Foundry Brook.

A further twenty four discharge contents to surface water were recorded between 250m and 500m from the site, predominantly relating to sewage discharges from Sewage Treatment Works, with a couple of commercial traders. Given that the discharge contents are to surface water and that no surface water feature was located on or close to the site, these features are not considered likely to have a detrimental effect on the site and as such have not been considered further as part of the assessment.

Four pollution incidents to controlled waters were identified within 500m of the site boundary.

- 249m N; 02/02/2003; Pollutant: Sewage Materials: Water impact: Minor.
- 330m SW; 21/04/2013; Pollutant: Oils and Fuels: Water impact: Significant.
- 331m SW; 25/02/2003; Pollutant: Not Identified: Water impact: Minor.
- 459m SW; 23/10/2002; Pollutant: Oils and Fuels: Water impact: Minor.

Given the distance from the site, these incidents are not considered likely to have a detrimental effect on the site and as such have not been considered further as part of the assessment.

2.5 Radon

The Groundsure report states that the site lies in an area where <1% of homes are estimated to be at or above the Action Level as defined by Public Health England. The BGS record states that no radon protective measures are necessary in the construction of the new dwellings or extensions within the site boundary.

2.6 Environmental Data

Searches of other various environmental databases were made as part of the desk study, including air pollution control sites, Part IIA contaminated land, Integrated Pollution Control (IPC) and Integrated Pollution Prevention and Control (IPPC) sites, registered radioactive substances, COMAH sites, explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS) sites, planning permissions for sites involving hazardous substances and fuel station registers. Additional detail is referenced in Appendix B.

The Groundsure report indicated eight Radioactive Substance Authorisations within a single address within 500m of the site, as detailed below:

- 446m – 489m NE; Thames Water Utilities Ltd, Spencer, House Laboratories, Manor Farm Complex, Manor Farm Road, Reading, Berkshire, RG2 0JN; Operator: Thames Water Utilities Ltd; Type: Disposal of radioactive waste; Date of approval: 24/04/1999 - 10/01/2003; Status: Revoked/cancelled or superseded by variation.

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The Groundsure report indicated one Control of Major Accident Hazards (COMAH) sites within 500m of the site, as detailed below:

- 171m E; Gillette UK Ltd; Gillette Uk Ltd, Manor Farm Ind Est, Off Basingstoke Road, Reading, RG2 0QE; Current COMAH site; COMAH Lower Tier Operator.

The Groundsure report indicated one Notification of Installations Handling Hazardous Substances (NIHHS) within 500m of the site, as detailed below:

- 164m E; Gillette UK Ltd; Gillette Uk Ltd, Manor Farm Ind Est, Off Basingstoke Road, Reading, RG2 0QE; Historical NIHHS Site.

The desk study identified fifty one recent industrial land uses within 250m and these are summarised in Table 2.1.

Name	Classification	Distance (m)	Direction
Electricity Sub Station	Electrical Features	2	S
Gas Governors	Gas Features	21	NE
Brothers Office Furniture	Office and Shop Equipment	47	E
Electricity Sub Station	Electrical Features	50	S
V J Tech Ltd	Measurement and Inspection Equipment	58	E
Tank	Tanks (Generic)	60	W
Alfachemica Is Ltd	Colours, Chemicals and Water Softeners and Supplies	74	SE
Electricity Sub Station	Electrical Features	77	E
Factory	Unspecified Works Or Factories	78	SE
Tank	Tanks (Generic)	86	W
Shadow	Special Purpose Machinery and Equipment	87	E
Inchcape Reading B M W	New Vehicles	102	NW
Cooper Reading Min	New Vehicles	102	NW
Works	Unspecified Works Or Factories	106	E
Electricity Sub Station	Electrical Features	107	SE
Circle Reading Hospital	Hospitals	110	N
Tank	Tanks (Generic)	111	SE
W Vinyl Graphics Ltd	Signs	113	W
Sharpsmart	Medical Waste Disposal Services	115	SE
Fix Autos Reading	Vehicle Repair, Testing and Servicing	117	E
Europcar	Vehicle Hire and Rental	118	SE
Works	Unspecified Works Or Factories	119	SE
Kroy Europe	Stationery, Stamps, Tags and Labels	124	E
Richfield Labels Ltd	Office and Shop Equipment	124	E
GAP Group Ltd	Construction and Tool Hire	124	S
I S S	Distribution and Haulage	127	E
Electricity Sub Station	Electrical Features	131	NE
Electricity Sub Station	Electrical Features	132	S
R D S	Vehicle Repair, Testing and Servicing	132	S
T P S Reading	New Vehicles	134	E
Production Test Systems Ltd	Electrical Components	139	E
Pumping Station	Water Pumping Stations	140	S
Tank	Tanks (Generic)	141	SE
Electricity Sub Station	Electrical Features	144	W



Name	Classification	Distance (m)	Direction
Tank	Tanks (Generic)	150	SE
Speedy Hire Plc	Construction and Tool Hire	160	SE
Outfall	Waste Storage, Processing and Disposal	172	W
Electricity Sub Station	Electrical Features	173	W
Thrifty Car & Van Rental	Vehicle Hire and Rental	188	S
Dollar	Vehicle Hire and Rental	189	S
Works	Unspecified Works Or Factories	190	E
Electricity Sub Stations	Electrical Features	191	W
James White Group Engineering Ltd	Metalworkers Including Blacksmiths	193	E
Jardine Motors Group	New Vehicles	203	SW
Electricity Sub Station	Electrical Features	211	E
Tank	Tanks (Generic)	217	E
Fenn Motor Works	Vehicle Repair, Testing and Servicing	224	SE
Renault Trucks South	New Vehicles	238	SE
Tank	Tanks (Generic)	239	E
Reflex	Electronic Equipment	239	SE
Electricity Sub Station	Electrical Features	250	E

Table 2.1 Summary of recent industrial land uses within 250m

No fuel stations were recorded within 500m of the site.

2.7 Soil Chemistry

Data obtained as part of the Groundsure dataset provides details on the estimated soil chemistry for the natural soils in the vicinity of the site. The estimated soil quality on the subject site is presented Table 2.2.

Contaminant	Estimated Concentration
Arsenic	15-25 mg/kg
Cadmium	1.8 mg/kg
Chromium	60-90 mg/kg
Lead	100mg/kg
Nickel	15-30 mg/kg

Table 2.2 Estimated soil chemical concentrations on site

The natural background concentrations were noted to be below the respective published Suitable for Use Levels, Generic Assessment Criteria and Category 4 Screening Levels for the protection of human health under a residential land use (with home grown produce), i.e. the most conservative proposed end use.

However, these values are not necessarily representative of the site's soil chemistry and take no account of a site's land use history, nor the presence or condition of any Made Ground soils. Furthermore, some screening criteria are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinants and the utilised S4UL/GAC/C4SL cannot be determined without site specific investigation and analysis.

2.8 Sensitive Land Uses

A search was made of environmentally sensitive areas including local and national nature reserves, areas of outstanding natural beauty (AONBs), Ramsar sites, sites of special scientific interest (SSSIs), conservation areas, special protection areas and biosphere reserves.



According to the Groundsure data set, there were no sensitive land use areas identified within 500m. However, although no SSSI sites were identified within 500m, the site was located within a SSSI impact zone which required developments over 50 houses to contact local planning authorities for consultation regarding potential impacts to SSSI sites.

The site lies within a surface water Nitrate Vulnerable Zones (NVZ) for Foundry Brook NVZ.

2.9 Geotechnical Data

The site was located within an area considered by the Coal Authority as an area that might not be affected by coal mining activity.

The site was recorded as located within an area where small scale chalk mining may have occurred.

National databases for a number of different geological hazards have been compiled by the BGS, and a summary of the hazard data pertaining to the site itself is presented in Table 2.3.

Hazard	Designation
Collapsible ground	Very Low Hazard
Compressible ground	Very Low Hazard
Ground dissolution	Negligible Hazard
Landslide	Very Low Hazard
Running sand	Very Low Hazard
Shrinking and Swelling clay	Moderate Hazard

Table 2.3 Summary of BGS geological hazards

The BGS database did not indicate the presence of any natural cavities located within 1km of the site.

2.10 Landfill and Waste Management Facilities

A search of BGS recorded landfill sites, IPC registered waste sites, licensed waste management facilities, local authority recorded landfill sites, other registered landfill sites, waste transfer stations and other waste treatment or disposal sites was undertaken as part of the desk study. Such sites may form an artificial source of ground gases, such as carbon dioxide and methane, where wastes are buried or disposed of to landfill.

The Groundsure report indicated thirteen records of historical landfill sites within 500m of the site, the details of which are outlined below:

Historical landfill sites (LA/mapping records):

- 225m W; Refuse Tip (1966 mapping);
- 226m W; Refuse Tip ((1966 mapping);
- 226m W; Refuse Tip (1965 mapping);
- 324m SW; Refuse Tip (1985 mapping);
- 359m SW; Refuse Tip (1974 mapping);
- 408m SW; Refuse Tip (1974 mapping);
- 415m SW; Refuse Tip (1974 mapping).

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Historical landfill (EA/NRW records):

- 102m NE; Manor Farm, Reading, Berkshire; Waste type: Inert
- 223m NW; Smallmead Stadium, Reading, Berkshire; Waste type: Inert
- 307m SW; Smallmead Tip, Reading, Berkshire; Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge; Last Recorded: 31/03/1981.
- 344m N; Island Road, Reading, Berkshire; Waste type: Inert; Last Recorded: 31/12/1985
- 425m NW; Island Road, Reading, Berkshire; Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge; Last Recorded: 22/03/1975
- 440m W; Sludge Beds, Reading, Berkshire; Waste Type: N/A.

The Groundsure report indicated one historic and one active licenced waste transfer sites within 500m of the site, the details of which are outlined below:

Historical waste transfer sites:

- 95m W; Smallmead Road, Reading, Berkshire, RG2 0QS; Type of Site: Mineral waste transfer station.

Licenced waste transfer sites:

- 88m SW; Reading Borough Council, Contract Services, 6, Darwin Close, Reading, Berkshire, RG2 0SG; Type of Site: Clinical Waste Transfer Station; Issue Date: 19/10/1998.

Six surface ground workings were identified within 250m of the site from analysis of historical mapping by Groundsure:

- 12m to 15m N: Sewage Works/Sewage Purification Works;
- 36m N: Filter Bed;
- 115m NE: Unspecified Heap;
- 186m to 188m W; Sewage Farm;
- 221m NW; Unspecified Heap;
- 231m W; Refuse Heap.

2.11 Historical Mapping

Historical maps dating back to 1877 were obtained as part of the desk study. A summary of the apparent key features observed on the map extracts both on the site and within the local area is presented within Table 2.4.

Date (Scale)	On-site	Off-site
1877 (1:2,500)	The site was shown to comprise a section of open field with no structures indicated within the site boundaries.	The area surrounding the site was shown to comprise an open field with a roughly northeast-southwest trending track c.30m-40m to the southeast of the site. The track was shown to change direction to a more north-south trend c.60m to the east of the north-eastern corner of the site. Foundry Brook was mapped c.200m-250m to the west of the site flowing in a north-north-east direction, with a Sewage Farm (Reading Corporation) beyond.



Date (Scale)	On-site	Off-site
		Several buildings were indicated between c.120m-250m to the west of the site. Whitley Manor Farm comprising several buildings was shown c.250m to the north of the site.
1898-1900 (1:10,560)	No significant changes noted.	The areas surrounding the site appeared to largely comprise open fields with several small complexes of farm buildings. Whitley Kiln was mapped >1000m to the north. The River Kennet was mapped c.750m northwest of the site trending east-west, becoming more northern towards the east. Filter beds associated with Reading water works were mapped c.800m to the northwest of the site.
1899 (1:2,500)	No significant changes noted.	No significant changes noted.
1910-1913 (1:10,560)	No significant changes noted.	No significant changes noted.
1911 (1:2,500)	No significant changes noted.	A tramway was indicated to have been constructed c.130m to the west of the site, following the northeast-southwest trending of the adjacent road.
1913 (1:10,560)	No map coverage.	Tramway shown to extend north to Rose Kilns (disused).
1914 (1:10,560)	No map coverage.	No significant changes noted.
1932-1933 (1:10,560)	No map coverage.	No map coverage less than 500m north of the site. Significant development of residential housing >c.700m northeast of the site. Sewage works were indicated between 500-700m north of the site.
1936 (1:2,500)	No significant changes noted.	Isolation Hospital (Reading Corporation) was shown to have been constructed c.100m to the northeast of the site, comprising three buildings. Settling tanks and sprinkler beds were mapped c.50m-200m to the southwest of the site. A pumphouse and tanks were mapped c.250m to the southeast of the site. The north-western tramway was no longer indicated on maps.
1938 (1:10,560)	No significant changes noted.	Significant residential development c.500m onwards to the east of the site.
1957-1958 (1:1,250)	A mapped line, likely a boundary, was mapped cross cutting the north-western corner of the site.	An additional building was constructed directly north of Isolation Hospital. An embankment was also shown



Date (Scale)	On-site	Off-site
		to have been constructed on the north-eastern boundary of the Hospital. Six unlabelled round features (assumed to be tanks associated with sewage works) were mapped c.200m-250m northeast of the site. A complex of buildings labelled works and warehouse were mapped c.80m->250m to the southeast of the site. An embankment, the full extents of which were not mapped, was shown c.250m to the northwest of the site.
1959 (1:2,500)	No significant changes noted.	A bus works was mapped c.250m to the southeast of the site, south of the works and warehouses. An additional unlabelled round feature was mapped 250m northeast of the site.
1961-1962 (1:10:560)	No significant changes noted.	Significant residential development of Reading c.500m onwards to the east of the site.
1965-1968 (1:1,250)	No significant changes noted.	The buildings previously labelled Isolation Hospital were now mapped as engineering works. An east-west trending road named Commercial Road was shown to run along the northern site boundary. A north north west-south south west trending road named Darwin Close was mapped running along the eastern site boundary. Sewage Purification Works, filter beds and associated embankments were mapped c.40m to the north of the site, across from Commercial Road. Considerable development of works, warehouses and depots was mapped to within c.80m southeast of the site. A pumping station was mapped adjacent to the southwestern sewage purification works. An eighth round feature was mapped where the seven previously unlabelled round features c.200m-250m northeast of the site. These features were now labelled as tanks. Embankments surrounding these tanks were also mapped. A new embankment was indicated c.150m to the northwest of the site.



Date (Scale)	On-site	Off-site
1969 (1:2,500)	A square building was shown to have been constructed in the northern half of the site, slightly offset to the west.	Six round tanks were mapped north of the northern sewage purification works c.230m from the site, a further six tanks were also indicated north of these. Further development of works and warehouses to within c.40m of the eastern site boundary. A large square building was shown to have been constructed c.30m west of the site.
1969-1973 (1:10,560)	No significant changes noted.	Continued residential and industrial development was noted to the east of the site. A second series of filter beds associated with the northern sewage purification works was shown c.450m north of the site. A sewage farm with two sludge beds and another disused sludge bed was mapped c.500m -600m west of the site. Several drains were labelled c.750m-1000m to the southwest of the site within open fields.
1974-1977 (1:1,250)	Further development on site mapped as a roughly rectangular building labelled as County Council Supplies Depot.	Expansion of the northern sewage purification works and north-eastern tanks. Tanks and infrastructure related to the southwestern sewage purification works are no longer mapped with the exception of the surrounding embankments. An aluminium works was shown to have been constructed c.100m-150m west of the site. The building constructed c.40m west of the site was labelled as motor body works. Buildings to the east previously labelled as works were now labelled as engineering works, electronics works and scaffolding depot with a vehicle construction factory c.80m southeast of the site.
1976-1979 (1:10,000)	No significant changes noted.	The former disused sludge bed c.400m northwest of the site was no longer present on maps. A stadium was constructed c.450m west of the site, on the eastern boundary of the sewage works and associated sludge beds.
1980 (1:1,250)	No map coverage.	Poor map coverage. Engineering works located c.100m northeast of the site was no longer mapped.
1983 (1:10,000)	No map coverage.	Development of several large buildings c.500m-900m south of the site. One of these buildings was labelled as a hotel with another labelled as depot. The use of the remaining buildings was not noted.



Date (Scale)	On-site	Off-site
1986-1988 (1:1,250)	No significant changes noted.	The area previously housing the south-eastern sewage purification works appeared to have been redeveloped into a large rectangular building.
1987-1989 (1:1,250)	No significant changes noted.	No significant changes noted.
1988-1989 (1:10,000)	No significant changes noted.	The western sludge beds were labelled as disused. A stadium was constructed c.400m west of the site. A gravel pit was mapped c.900m to the west of the site, beyond the sludge pits. The exact extent of the gravel pit was not indicated.
1993 (1:1,250)	No significant changes noted.	Further development of the large rectangular building, appearing to comprise one large building with a car park to the east surrounded by several smaller buildings.
1993-1995 (1:1,250)	No significant changes noted.	No significant changes noted.
1994 (1:10,000)	No significant changes noted.	No significant changes noted.
2001 (1:10,000)	No significant changes noted.	The gravel pit was no longer labelled on the map. Madejski Stadium was constructed c.750m to the southwest of the site.
2003 (1:1,250)	No significant changes noted.	No significant changes noted.
2010 (1:10,000)	No significant changes noted.	The area directly north of the site previously used as a sewage purification works appeared to have been redeveloped with buildings, the use of which was not noted. The area previously used for sludge pits c.500m-700m west of the site was mapped as redeveloped with several buildings, the purpose of which was not noted. A recycling centre was mapped c.750m northwest of the site at the approximate location of the gravel pit. Further development >c.750m to the southwest of the site.
2022 (1:10,000)	No significant changes noted.	Further redevelopment of the northern sewage purification works including the construction of the Circle Reading Hospital.

Table 2.4 Summary of historical map extracts

Historical mapping has shown the site to have comprised a section of open field which underwent development 1969 with further expansion as a Council Depot mapped between 1974-77. The site appeared to remain in this state for the remainder of the mapped period.

The surrounding was shown to comprise open fields and farms with several kilns located c.1000m north of the site. Throughout the mapped period several sewage purification works were constructed within 500m of the site,



undergoing various phases of expansion. These sewage purification works appeared to undergo redevelopment from 1969 onwards with all works being replaced with residential or industrial buildings by 2010.

2.12 Asbestos

Consideration for the potential for asbestos to be present within the shallow soils, or entrained within or below concrete on the site should be given when designing any site investigations, therefore asbestos ID should be included within the suite of testing of contaminants on site. The absence of asbestos in soil samples analysed is not a guarantee of the absence of asbestos elsewhere on a site.

2.13 Previous Ground Investigations

Geo-Environmental was not made aware of any previous investigations at the site.

2.14 Potential Contamination

The site's previous use as shown by historical mapping was an agricultural field which was later developed into a council storage facility. The facility has since been become disused.

Surrounding land uses have been noted to include agricultural land, developed into industrial works with sewage purification works located to the north, southwest and west. The sewage works have since been redeveloped into warehouses, residential housing and a hospital.

A review of the land uses covered by the National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (2008), which provides a summary of industrial profiles (1995 - 1996) published by the former Department of the Environment (DoE) (now part of the Department for Environment, Food and Rural Affairs [DEFRA]) has been undertaken. No profile for council depots was found. Sewage works are covered by the above document, and the relevant contaminants are included below.

The potential contaminants associated with the agricultural and council depot former usage and the potential presence of Made Ground are considered to include the potential for heavy metals, organic pollutants such as poly-aromatic hydrocarbons (PAH), petroleum hydrocarbons/oils, polychlorinated biphenyls (PCBs), pesticides and asbestos (potentially introduced in Made Ground).

Potential contaminants associated with sewage works are considered to include metals, metalloids and their compounds, inorganic contaminants, organic pollutants such as halogenated compounds, partial oxidation of organic compounds, pesticides and PCBs. There is also a possibility for micro-organisms (pathogens), treatment chemicals, and asbestos. However, only mobile contaminants would potentially impact the site.

The potential contaminants associated with the current off-site industrial uses may include heavy metals, organic pollutants such as poly-aromatic hydrocarbons (PAH), petroleum hydrocarbons/oils, PCBs and asbestos. These contaminants are considered potentially present in relation to any fuel storage and vehicle/equipment maintenance. Again, only mobile contaminants from this source would be considered to have potentially impact the site.

2.15 Ground Gas and Vapour Summary

The desk study identified two former landfills, Manor Farm and Smallmead Stadium within 300m of the site both of which appear to be former sewage works/sewage farms. A number of further former sewage works were also



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identified within the vicinity of the site. The former landfill sites and former sewage works may all be a potential source of ground gasses.

The desk study has also identified the potential for Made Ground to be present on the site itself to be a potential source of ground gases. Should a thickness of Made Ground be identified on the site, a potential gas source is only considered to be present if a thickness of highly organic deposits were present. No evidence from the desk study information and historical mapping was found to suggest that a significant thickness of highly organic material was likely to be present at the site, although this cannot be completely ruled out.

Given that the proposals at the site are for locally raising of external levels at the building access doors along with associated drainage, with some minor works required to level a floor within a former loading bay area, it is considered that the risk of ground gases in relation to the proposed development is very low as no new structures are proposed.



3.0 PRELIMINARY ASSESSMENT

Based on the findings of the desk study, the following sections summarise the anticipated geotechnical and environmental factors likely to impact the site.

3.1 Geotechnical Risk Assessment

3.1.1 Potential Geotechnical Issues

The following factors that might impact the geotechnical condition of the site were identified as part of the desk study:

- The possible presence of Made Ground (e.g. varying depth and/or composition) on site, which if encountered may affect the pavement design and construction.
- The presence of laterally and vertically variable strata and the impact these could have on further construction.
- Consideration of the volume change potential change of any cohesive soils and the affect this could have on construction.
- The possible presence of aggressive ground conditions (sulphates) which may affect the design and construction.
- The presence of trees and/or vegetation on the site and the associated construction design if/where shrinkable soils are encountered.
- The possible presence of perched and/or shallow groundwater beneath the site which may affect design and construction.
- The suitability of the shallow soils for the use of soakaways on the site as part of the proposed development.

3.2 Preliminary Environmental Conceptual Site Model & Risk Assessment

3.2.1 Methodology

A Preliminary Risk Assessment ('PRA') and Conceptual Site Model ('CSM'), see Figure 3, have been prepared in accordance with LCRM based on information obtained as part of the desk study. Possible risks associated with potential sources of contamination and sensitive receptors identified have been qualitatively assessed following a source-pathway-receptor ('Pollutant Linkage') approach in accordance with current UK protocols.

A risk of harm may only exist where a plausible pollutant linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. The risk classification has been assessed in accordance with CIRIA C552 (Rudland et al., 2001). A summary of how the risks are derived and their definitions are presented in Tables 3.1 and 3.2.



		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 3.1 Risk Ratings Matrix

Risk Rating	Definitions
Very high risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High risk	Harm is likely to arise to a designated receptor from an identified hazard Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not already undertaken) is required and remediation works may be necessary in the short term and are likely over the longer term.
Moderate risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
Moderate to low risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is unlikely that any such harm would be severe, or if any harm were to occur it is probable that the harm would be relatively mild.
Low risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very low risk	There is low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Table 3.2 Risk Rating Definitions

3.2.2 Summary of Plausible Sources

Possible sources of contamination identified from the desk study are summarised in Table 3.3.

Source	Description	Contaminants
Made Ground and shallow natural soils	The general quality of the shallow soils (and Made Ground if present) could be impacted by the presence of contamination.	Possible elevated concentrations of metals, metalloids, organic contaminants to include TPH, PAH and PCB compounds, and inorganic compounds such as asbestos.



Source	Description	Contaminants
Current and historical off-site industrial uses	Mobile contaminants from these sources may have impacted the site.	Possible elevated organic contaminants. Less likely, as less mobile: metals, inorganic contaminants and asbestos.
Ground gases/vapours	Former landfills and sewage works. Potential source if a thickness of organic rich deposits are present on site.	Possible presence of ground gases such as methane and carbon dioxide together with depleted oxygen.
Naturally occurring aggressive ground conditions	Naturally occurring compounds in the ground which could damage buried concrete.	Possible elevated sulphate concentrations.

Table 3.3 Possible Sources of Contamination**3.2.3 Summary of Plausible Pathways**

The plausible pathways are summarised in Table 3.4. These pathways are based on the proposed commercial end use.

Pathway	Description
Direct Contact	Ingestion of soil particles, inhalation of soil derived dust (including tracked back dust), dermal contact.
Inhalation	Inhalation of soil dust both inside and outside of buildings. Inhalation of ground gas/vapours within buildings.
Vertical & Lateral Migration	Contaminant movement both vertically through leaching/gravity and horizontally along preferential pathways, e.g. services trenches, more permeable bedded strata or with groundwater.
Shallow Groundwater	Shallow groundwater or perched water may be present within the Lambeth Group, and potentially the London Clay, which could result in the vertical and lateral migration of contaminants.
Chemical Attack	Attack of buried plastics and concrete by aggressive ground conditions.

Table 3.4 Possible Contamination Pathways**3.2.4 Summary of Plausible Receptors**

Potential receptors associated with the site and its development are summarised in Table 3.5.

Receptor	Description	Comments
End Users	Users of the proposed development.	The proposed development comprises external alterations, new canopy, provision of a photovoltaic array and the raising of site levels to form new concrete yard and associated infrastructure.
Soft Landscaping	Possible areas of planting include private gardens, communal gardens, shrubs, trees, etc.	No areas of soft landscaping are proposed. This is not considered further in the assessment.
Built Environment	Buried concrete for foundations and plastics for potable water supply pipes may be laid in contact with contaminated soils.	Aggressive ground conditions may be present beneath the site. New water supply pipework is not proposed and is not considered further in the assessment.



Receptor	Description	Comments
Adjacent Land Users	Sensitive land uses identified within the immediate vicinity.	Adjacent land uses comprise road, industrial units, a hospital to the north and residential land use to the northeast.
Groundwater	Controlled waters contained within the aquifer(s) beneath the site.	The site overlies Unproductive Strata and a Secondary 'A' aquifer and is located outside any SPZ.
Surface Water	Controlled Waters within lakes, rivers, and ponds, etc., or coastal waters.	The nearest surface water was identified as an inland river 179m west.
Ecological Receptors	Sensitive areas of ecological significance.	No sensitive ecological receptors identified. This is not considered further in the assessment.

Table 3.5 Possible receptors of contamination

Site workers involved in the preparation and construction of the development have not been considered further in this assessment as the Principal Contractor is duty bound under the current CDM Regulations to undertake their own risk assessments with respect to their employees.

Whilst the above sources and receptors have been identified, Table 3.6 summarises the identified plausible pollution linkages and a qualitative assessment of the risks based on the desk study research.



Desk Study Report

Potential Source/Media	Potential Receptors	Potential Pathways	Probability	Consequence	Risk and Justification
Shallow soils and shallow Made Ground	End users	Direct contact and inhalation of soil derived dust	Unlikely	Minor	Very Low Future occupiers are unlikely to come into direct contact with soils as no soft landscaping is proposed.
	Adjacent land users	Direct contact	Unlikely	Minor	Very Low Adjacent site users are not expected to come into contact with soils on the site. No soft landscaping is proposed.
	Buildings and infrastructure	Direct contact	Likely	Minor	Low Foundations and utilities may be placed within potentially aggressive soils (e.g. sulphate).
	Groundwater	Vertical migration	Likely	Minor	Low The site overlies Unproductive Strata overlying a Secondary 'A' aquifer. However, the desk study has not identified any significant sources of potentially mobile contamination on-site.
	Surface water	Lateral migration	Unlikely	Minor	Very Low An inland river was identified 179m west of the site. However, the desk study has not identified any significant sources of potentially mobile contamination on-site.
Current and historical off-site industrial uses	End Users	Direct contact and inhalation of soil derived dust	Unlikely	Minor	Very Low Future occupiers are unlikely to come into direct contact with soils as no soft landscaping is proposed.
	Buildings and Infrastructure	Direct contact	Likely	Minor	Low Foundations and utilities will be placed within within potentially aggressive soils (e.g. sulphate). However, the consequence is anticipated to be minor.
	Groundwater	Vertical Migration	Low likelihood	Mild	Low The site overlies Unproductive Strata overlying a Secondary 'A' aquifer. These off-site features may be sources of potentially mobile contamination which may have impacted general groundwater quality in the area of the site.
Ground Gases and Vapours	End users	Inhalation	Unlikely	Mild	Very Low The proposals do not include any new structures where ground gases could accumulate and cause harm.



Potential Source/Media	Potential Receptors	Potential Pathways	Probability	Consequence	Risk and Justification
	Adjacent land users	Inhalation	Unlikely	Minor	Very Low It is considered to be very low likelihood that adjacent land users will come into contact with ground gases and vapours originating on site. Should potential source(s) of ground gases and vapours be identified during construction, on-site service routes should be constructed in line with best practice to prevent the creation of preferential pathways off site. In addition, if gross contamination is identified that could represent a source of gas/vapour which could impact adjacent land users then remedial action would be required to reduce, remove or otherwise mitigate the source or break the exposure pathway(s).
	Buildings and infrastructure	Gas accumulation and potential explosion of flammable gases	Unlikely	Minor	Very Low The proposals do not include any new structures where methane could accumulate.
Naturally occurring aggressive ground conditions	End users	Direct contact and inhalation of soil derived dust	Unlikely	Minor	Very Low No naturally occurring potential sources which could harm human health have been identified.
	Soft Landscaping	Root Uptake	Unlikely	Minor	Very Low Gardens and soft landscaping areas are proposed but are unlikely to be affected by naturally occurring aggressive ground conditions. Current vegetation around the site appeared in good condition.
	Adjacent land users	Direct contact	Unlikely	Minor	Very Low No potential sources which could harm human health have been identified.
	Water supply pipes	Direct contact	Unlikely	Minor	Very Low No potential sources which could harm human health have been identified.
	Buildings and infrastructure	Direct contact	Likely	Minor	Low Foundations will be placed within soils which may be an aggressive environment for concrete.

Table 3.6 Plausible Pollutant Linkages & Qualitative Risk Assessment



3.3 Preliminary Risk Assessment Summary

The Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) developed from the information gathered as part of the desk study process have identified several plausible pollutant linkages that exist in relation to the proposed development of the site and the preliminary risk rating for the pollution linkages have been classified as very low to low.

The potential pollutant linkages established within this desk study are not considered to prevent development on the subject site and it is considered that further investigation is not required in relation to the development proposals.

3.4 Preliminary Geotechnical Assessment Summary

The site is anticipated to be underlain by London Clay overlying Lambeth Group with the Lambeth Group mapped at the surface in the southwest of the site. Proposals include raising site levels and new hardstanding construction. The suitability of natural soils at formation levels for placement of fill may be variable and proof rolling and compaction may be required. Made Ground may be present to depth beneath discreet areas of the site. Made Ground soils are inherently variable.

The soils of the Lambeth Group at the site may be permeable, and it is potentially possible that conventional soakaways would function effectively where these strata are present, subject to intrusive investigation. Soils of the London Clay are likely to be less permeable. Depending on the results of any soakage testing and groundwater conditions, it may be necessary to utilise on-site storage and attenuation of peak storm flow through systems such as porous paving and cellular storage crates.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

The desk study has shown the site to comprise a section of open field which underwent development 1969 with further expansion as a Council Depot mapped between 1974-77. Various sewage works were constructed in the area of the site, undergoing various phases of expansion. These sewage works were subsequently redeveloped being replaced with residential or industrial buildings. Two areas of sewage works within 300m of the site were recorded as former landfill sites.

The proposed work is understood to comprise external alterations, new canopy, provision of a photovoltaic array and locally raising of external levels at the building access doors along with associated drainage. The proposed works are entirely external, but with some minor works required to level a floor within a former loading bay area.

Very low to low ratings have been classified related to the shallow soils, current and historical off-site industrial uses, ground gases and vapours, and naturally occurring aggressive ground conditions at the site. Further assessment is not considered to be required to support the proposed redevelopment.

The natural soils at the site may be variability suitable for placement of fill and/or hardstanding construction and may require a degree of compaction. Made Ground soils, where present are likely to require more significant improvement.

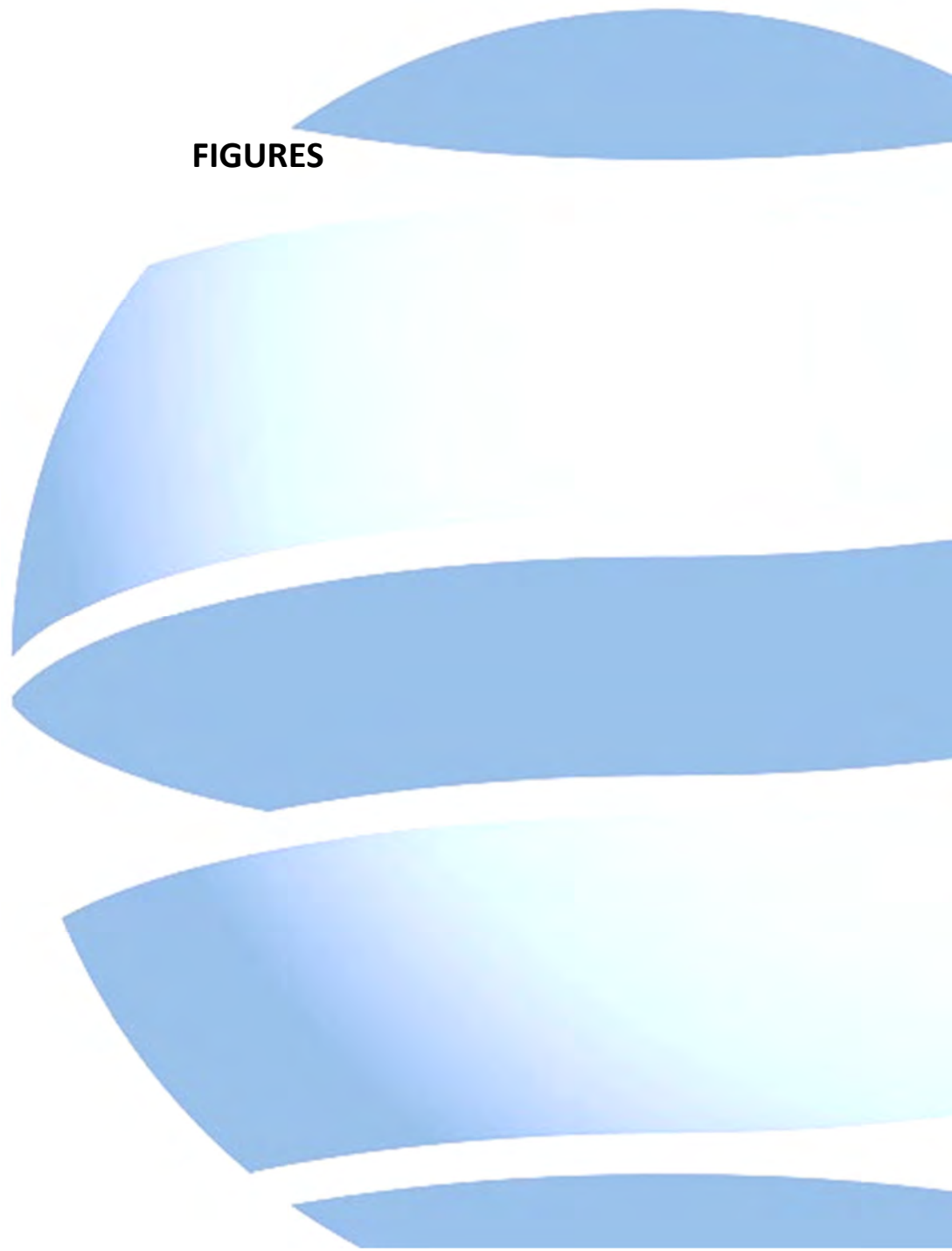
4.2 Recommendations

At this stage and based on the findings of the desk study and preliminary risk assessment, no further investigation in terms of contamination and ground gases/vapours is considered to be required to support the proposed development.

Intrusive geotechnical investigation may be useful to support the design and construction strategies for the proposed development at the site.

A Discovery Strategy (see Appendix C) should remain in force throughout groundworks and construction of the proposed development.

FIGURES





Project:	Magenta Reading, 2-4 Darwin Close, Reading, RG2 0RB			Title	Site Location Plan	
Client:	Magenta Storage (DC) Limited			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net	 Geo-Environmental	
Ref No:	GE20825	Revision:	0			
Drawn:	WP	Date:	10/05/2022			
Figure:	1	Scale:	Not To Scale			

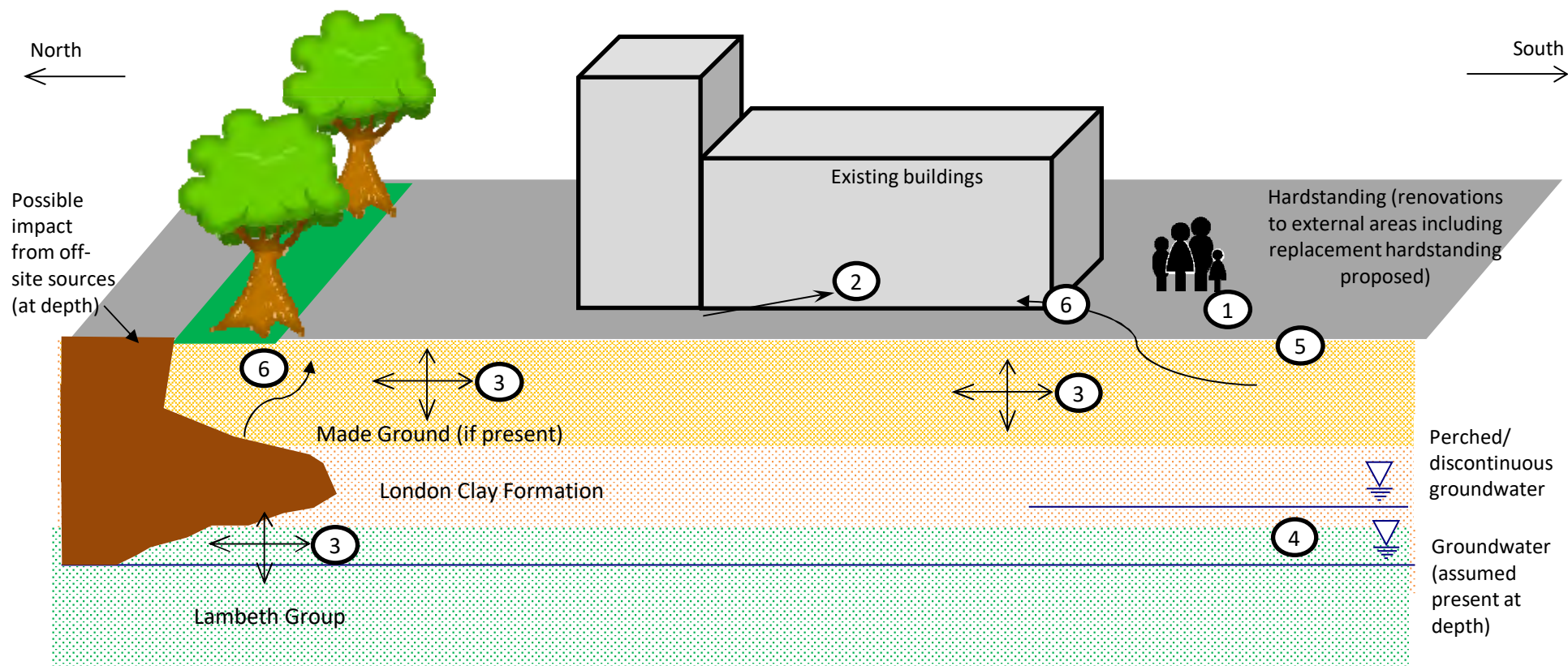




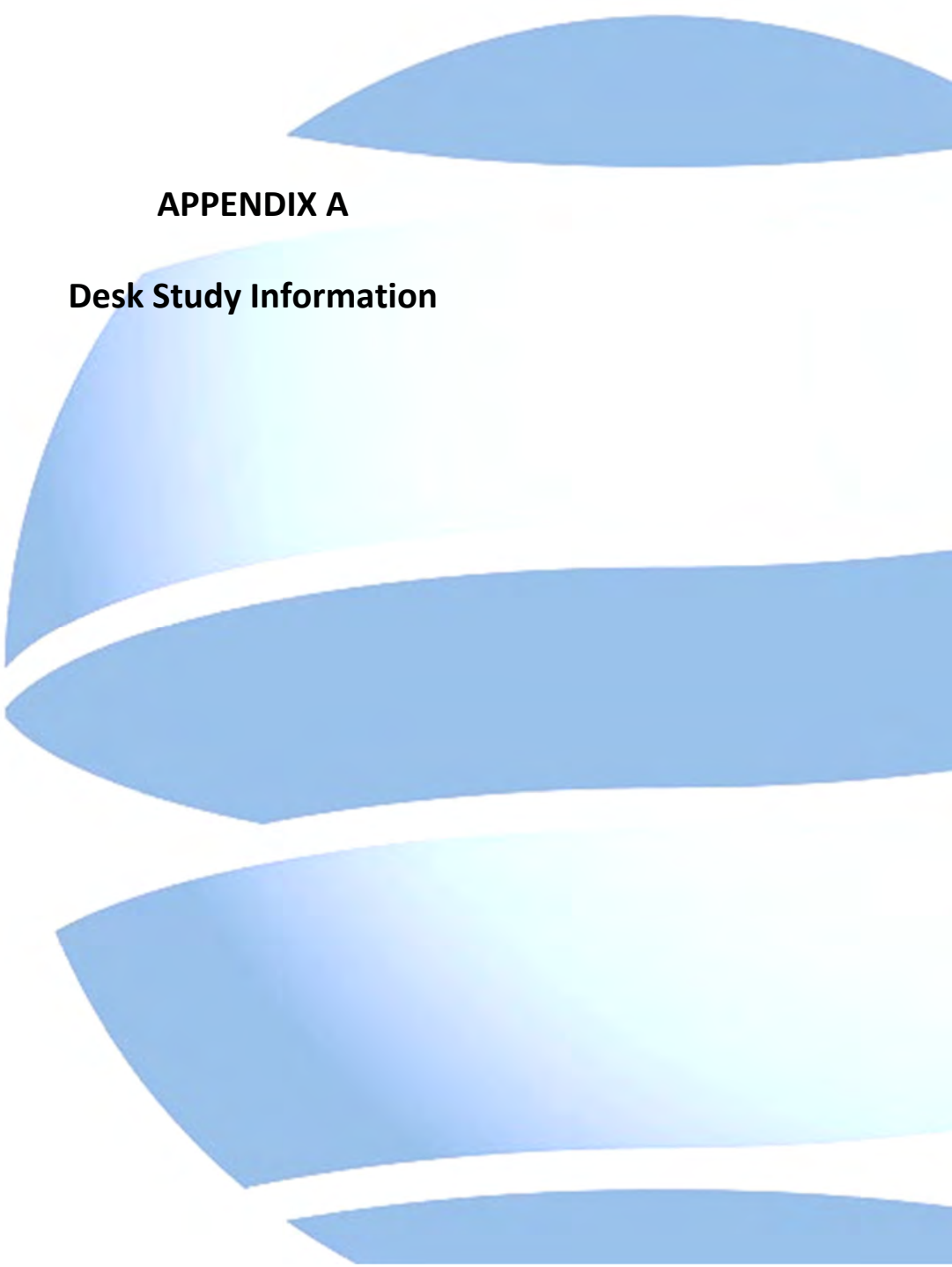
Project:	Magenta Reading, 2-4 Darwin Close, Reading, RG2 0RB	Title:	Proposed Development Plan
Client:	Magenta Storage (DC) Limited	Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net	
Ref No:	GE20825	Revision:	0
Drawn:	WP	Date:	10/05/2022
Figure:	2	Scale:	Not To Scale

Possible Pollutant Linkages:

1. Direct contact with contaminated soils
2. Inhalation of soil dusts indoor and outdoor, and inhalation of gases/vapours within buildings
3. Vertical and lateral migration through permeable strata and with groundwater
4. Shallow groundwater vertical and lateral migration
5. Chemical attack of concrete
6. Ground gas and vapour migration



Project:	Magenta Reading, 2-4 Darwin Close, Reading, RG2 0RB	Title	Conceptual Site Model
Client:	Magenta Storage (DC) Limited	Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net	
Ref No:	GE20825	Revision:	0
Drawn:	WP	Date:	10/05/2022
Figure:	3	Scale:	Not To Scale



APPENDIX A

Desk Study Information

2-4, DARWIN CLOSE, READING, RG2 0RB

Order Details

Date: 28/04/2022
Your ref: GE20825_PO-5252
Our Ref: GS-8705124
Client: Shaun Armitage

Site Details

Location: 471263 170384
Area: 0.43 ha
Authority: [Reading Borough Council](#)



Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.12 groundsure.com/insightuserguide

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	2	11	42	61	-
18	1.2	Historical tanks	0	0	30	68	-
22	1.3	Historical energy features	1	1	9	26	-
23	1.4	Historical petrol stations	0	0	0	0	-
24	1.5	Historical garages	0	0	1	1	-
24	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
25	2.1	Historical industrial land uses	2	15	51	84	-
31	2.2	Historical tanks	0	0	49	108	-
37	2.3	Historical energy features	3	1	15	58	-
40	2.4	Historical petrol stations	0	0	0	0	-
40	2.5	Historical garages	0	0	1	2	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
41	3.1	Active or recent landfill	0	0	0	0	-
41	3.2	Historical landfill (BGS records)	0	0	0	0	-
42	3.3	Historical landfill (LA/mapping records)	0	0	3	4	-
42	3.4	Historical landfill (EA/NRW records)	0	0	2	4	-
44	3.5	Historical waste sites	0	0	1	0	-
44	3.6	Licensed waste sites	0	0	12	9	-
51	3.7	Waste exemptions	0	0	38	10	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
55	4.1	Recent industrial land uses	0	4	47	-	-
58	4.2	Current or recent petrol stations	0	0	0	0	-
59	4.3	Electricity cables	0	0	0	0	-
59	4.4	Gas pipelines	0	0	0	0	-
59	4.5	Sites determined as Contaminated Land	0	0	0	0	-



59	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	2	0	-
60	4.7	Regulated explosive sites	0	0	0	0	-
60	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	4	-
61	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
61	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	7	-
62	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	4	2	-
63	4.12	<u>Radioactive Substance Authorisations</u>	0	0	0	8	-
64	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	4	24	-
69	4.14	<u>Pollutant release to surface waters (Red List)</u>	0	0	0	3	-
69	4.15	Pollutant release to public sewer	0	0	0	0	-
70	4.16	<u>List 1 Dangerous Substances</u>	0	0	2	0	-
70	4.17	<u>List 2 Dangerous Substances</u>	0	0	8	0	-
71	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	1	10	-
72	4.19	<u>Pollution inventory substances</u>	0	0	0	2	-
73	4.20	<u>Pollution inventory waste transfers</u>	0	0	0	2	-
77	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
78	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
80	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
82	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
83	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
83	5.5	Groundwater vulnerability- local information	None (within 0m)				
84	5.6	<u>Groundwater abstractions</u>	0	1	1	1	30
92	5.7	<u>Surface water abstractions</u>	0	0	0	0	7
93	5.8	<u>Potable abstractions</u>	0	0	0	0	20
98	5.9	Source Protection Zones	0	0	0	0	-
98	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
99	6.1	<u>Water Network (OS MasterMap)</u>	0	0	1	-	-



100	6.2	<u>Surface water features</u>	0	0	2	-	-
100	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
100	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
101	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
102	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
103	7.2	<u>Historical Flood Events</u>	0	0	2	-	-
103	7.3	Flood Defences	0	0	0	-	-
103	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
104	7.5	Flood Storage Areas	0	0	0	-	-
105	7.6	Flood Zone 2	None (within 50m)				
105	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
106	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
108	9.1	<u>Groundwater flooding</u>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
109	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
110	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
110	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
110	10.4	Special Protection Areas (SPA)	0	0	0	0	0
110	10.5	National Nature Reserves (NNR)	0	0	0	0	0
111	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
111	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	3
111	10.8	Biosphere Reserves	0	0	0	0	0
112	10.9	Forest Parks	0	0	0	0	0
112	10.10	Marine Conservation Zones	0	0	0	0	0
112	10.11	Green Belt	0	0	0	0	0
112	10.12	Proposed Ramsar sites	0	0	0	0	0



112	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
113	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
113	10.15	Nitrate Sensitive Areas	0	0	0	0	0
113	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	0
114	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
115	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
116	11.1	World Heritage Sites	0	0	0	-	-
116	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
116	11.3	National Parks	0	0	0	-	-
116	11.4	Listed Buildings	0	0	0	-	-
117	11.5	Conservation Areas	0	0	0	-	-
117	11.6	Scheduled Ancient Monuments	0	0	0	-	-
117	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
118	12.1	<u>Agricultural Land Classification</u>	Grade 4 (within 250m)				
119	12.2	Open Access Land	0	0	0	-	-
119	12.3	Tree Felling Licences	0	0	0	-	-
119	12.4	Environmental Stewardship Schemes	0	0	0	-	-
120	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
121	13.1	Priority Habitat Inventory	0	0	0	-	-
121	13.2	Habitat Networks	0	0	0	-	-
121	13.3	Open Mosaic Habitat	0	0	0	-	-
121	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
122	14.1	<u>10k Availability</u>	Identified (within 500m)				
123	14.2	<u>Artificial and made ground (10k)</u>	0	2	2	6	-
125	14.3	<u>Superficial geology (10k)</u>	0	0	1	2	-

126	14.4	Landslip (10k)	0	0	0	0	-
<u>127</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	2	0	0	2	-
128	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
<u>129</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>130</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	1	1	3	-
<u>131</u>	<u>15.3</u>	<u>Artificial ground permeability (50k)</u>	0	1	-	-	-
<u>132</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	0	0	1	1	-
133	15.5	Superficial permeability (50k)	None (within 50m)				
133	15.6	Landslip (50k)	0	0	0	0	-
133	15.7	Landslip permeability (50k)	None (within 50m)				
<u>134</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	2	0	0	0	-
<u>135</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
135	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
<u>136</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	1	10	-	-
Page	Section	Natural ground subsidence					
<u>138</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Moderate (within 50m)				
<u>139</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>140</u>	<u>17.3</u>	<u>Compressible deposits</u>	Very low (within 50m)				
<u>142</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>143</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>144</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
146	18.1	Natural cavities	0	0	0	0	-
147	18.2	BritPits	0	0	0	0	-
<u>147</u>	<u>18.3</u>	<u>Surface ground workings</u>	0	7	5	-	-
148	18.4	Underground workings	0	0	0	0	0
148	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>148</u>	<u>18.6</u>	<u>Non-coal mining</u>	1	0	0	1	0
<u>149</u>	<u>18.7</u>	<u>Mining cavities</u>	0	0	0	0	1
<u>149</u>	<u>18.8</u>	<u>JPB mining areas</u>	Identified (within 0m)				
149	18.9	Coal mining	None (within 0m)				
149	18.10	Brine areas	None (within 0m)				
150	18.11	Gypsum areas	None (within 0m)				
150	18.12	Tin mining	None (within 0m)				
150	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>151</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>152</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	2	0	-	-	-
152	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
152	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
153	21.1	Underground railways (London)	0	0	0	-	-
153	21.2	Underground railways (Non-London)	0	0	0	-	-
154	21.3	Railway tunnels	0	0	0	-	-
<u>154</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	0	2	-	-
154	21.5	Royal Mail tunnels	0	0	0	-	-
154	21.6	Historical railways	0	0	0	-	-
155	21.7	Railways	0	0	0	-	-
155	21.8	Crossrail 1	0	0	0	0	-
155	21.9	Crossrail 2	0	0	0	0	-
155	21.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 29/06/2019

Site Area: 0.43ha



Recent site history - 2013 aerial photograph



Capture Date: 11/07/2013

Site Area: 0.43ha



Recent site history - 2010 aerial photograph



Capture Date: 22/09/2010

Site Area: 0.43ha



Recent site history - 1999 aerial photograph

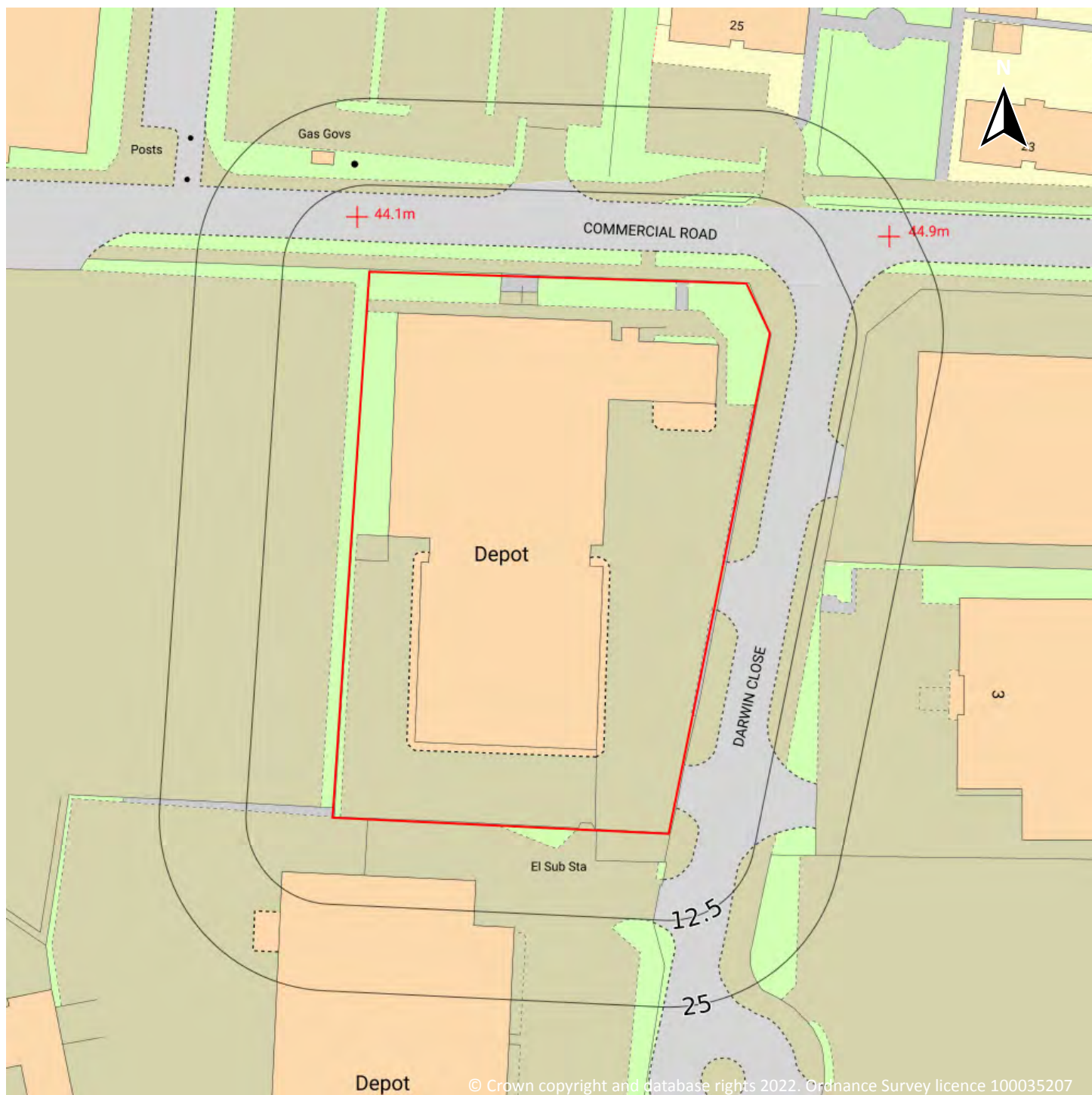


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Capture Date: 04/09/1999

Site Area: 0.43ha

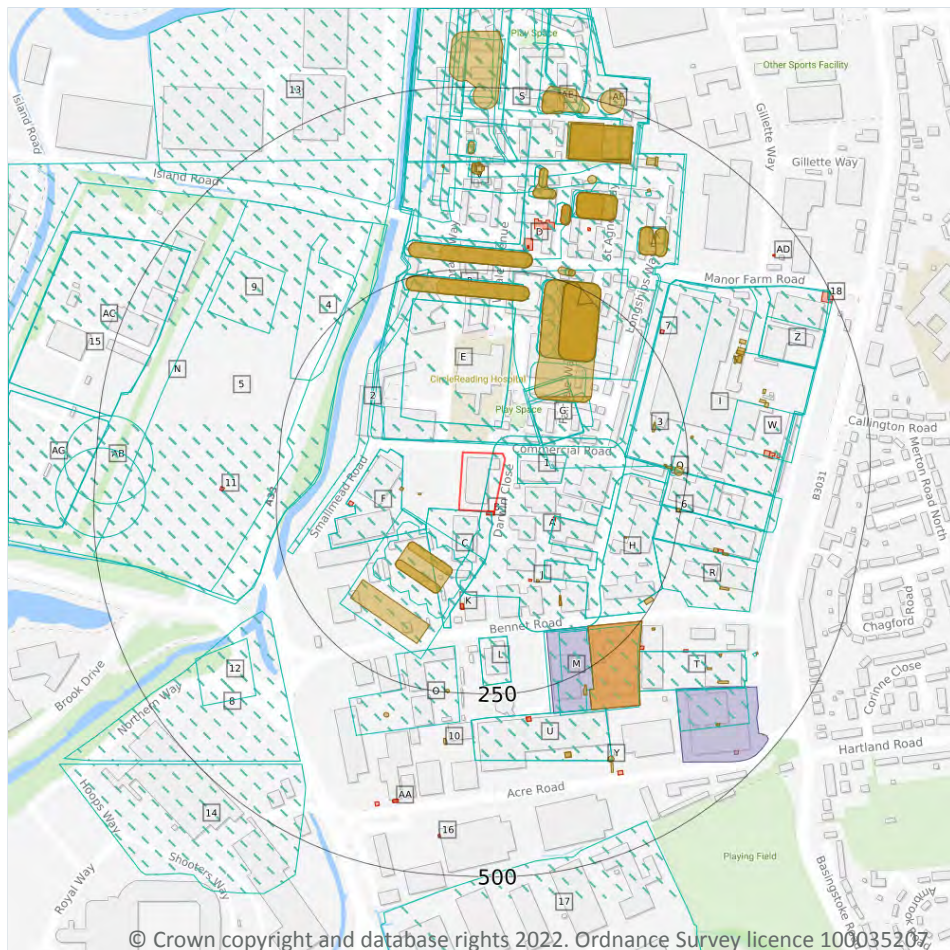
OS MasterMap site plan



Site Area: 0.43ha



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

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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
A	On site	Unspecified Works	1994	1934382



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1989	1966591
C	0m S	Unspecified Depot	1977	1905962
C	0m S	Unspecified Depot	1989 - 1994	1933662
D	12m N	Sewage Works	1989 - 1994	1891990
D	15m N	Sewage Purification Works	1977	1886787
D	15m N	Sewage Purification Works	1971	1893621
1	17m E	Unspecified Works	1977	1918834
E	36m N	Filter Bed	1977	1941911
E	36m N	Filter Bed	1989 - 1994	1967001
C	39m SW	Unspecified Works	1962	1959369
F	50m SW	Unspecified Works	1977	1936816
F	50m SW	Unspecified Works	1989 - 1994	1953255
C	50m SW	Unspecified Tanks	1962 - 1971	1967355
G	54m E	Isolation Hospital	1962	1870309
G	54m E	Unspecified Commercial/Industrial	1962	1941804
G	56m E	Unspecified Works	1977	1954687
H	82m E	Unspecified Works	1962	1942555
I	82m E	Unspecified Commercial/Industrial	1971	1936944
G	87m NE	Unspecified Tanks	1989 - 1994	1962035
G	115m NE	Unspecified Heap	1962	1869705
2	130m W	Tramway Sidings	1913	1867168
G	144m N	Unspecified Tanks	1989 - 1994	1916737
G	144m N	Unspecified Tanks	1977	1957576
G	145m N	Unspecified Tank	1971	1858217
G	153m NE	Unspecified Tanks	1962	1933893
G	154m NE	Unspecified Tank	1971	1858218
I	164m E	Unspecified Factory	1989 - 1994	1914577
G	166m NE	Unspecified Tank	1971	1858210



ID	Location	Land use	Dates present	Group ID
I	166m E	Unspecified Factory	1977	1934780
G	171m N	Unspecified Tank	1971	1858215
L	172m S	Unspecified Works	1977	1860398
L	172m S	Unspecified Commercial/Industrial	1989 - 1994	1943228
M	178m S	Unspecified Depot	1977	1862073
G	179m NE	Unspecified Tank	1971	1858219
N	186m W	Sewage Farm	1971	1961867
O	186m S	Unspecified Depot	1989 - 1994	1948336
M	188m SE	Bus Depot	1962	1875344
N	188m W	Sewage Farm	1898	1884942
G	190m NE	Unspecified Tank	1971	1858211
G	199m N	Unspecified Tank	1971	1858265
G	205m NE	Unspecified Tank	1971	1858213
P	211m N	Unspecified Tanks	1977	1917139
P	211m N	Unspecified Tanks	1971	1927879
P	211m N	Unspecified Tanks	1989 - 1994	1943611
G	216m NE	Unspecified Tank	1971	1858212
R	219m E	Unspecified Depot	1962	1862075
R	221m E	Unspecified Factory	1977	1934370
4	221m NW	Unspecified Heap	1962	1869708
R	223m E	Unspecified Works	1962	1904562
G	225m N	Unspecified Tank	1971	1858266
Q	225m E	Unspecified Tank	1989 - 1994	1902063
G	230m N	Unspecified Tanks	1971	1944164
5	231m W	Refuse Heap	1971	1884278
G	239m NE	Unspecified Tanks	1971	1938765
P	257m N	Unspecified Tanks	1971	1899030
P	257m N	Unspecified Tanks	1977	1919269



ID	Location	Land use	Dates present	Group ID
P	257m N	Unspecified Tanks	1989 - 1994	1927613
G	259m N	Unspecified Tanks	1977	1895086
G	259m N	Unspecified Tanks	1989 - 1994	1952442
G	260m N	Unspecified Tank	1971	1858413
S	268m N	Unspecified Works	1962	1860423
T	274m SE	Unspecified Factory	1989 - 1994	1904771
T	274m SE	Unspecified Factory	1977	1912134
U	281m S	Unspecified Works	1989 - 1994	1891034
U	281m S	Unspecified Works	1977	1948408
R	287m E	Unspecified Works	1977	1920113
V	287m N	Filter Bed	1989 - 1994	1945234
V	287m N	Filter Bed	1977	1957426
8	298m SW	Refuse Heap	1977	1922399
W	304m E	Unspecified Works	1962	1860414
9	311m NW	Disused Sludge Beds	1971	1883306
D	323m N	Unspecified Tanks	1989 - 1994	1909180
D	323m N	Unspecified Tanks	1971	1948030
D	323m N	Unspecified Tanks	1977	1948379
V	330m N	Tramway Sidings	1913	1867169
X	332m NE	Unspecified Tanks	1977	1927026
X	332m NE	Unspecified Tanks	1989 - 1994	1950207
D	338m N	Unspecified Tanks	1971	1939979
D	338m N	Unspecified Tanks	1989 - 1994	1909231
D	338m N	Unspecified Tanks	1977	1936917
12	339m SW	Refuse Heap	1989 - 1994	1929420
V	344m N	Railway Sidings	1962	1895600
T	349m SE	Unspecified Warehouse	1962	1883736
D	353m N	Unspecified Tanks	1989 - 1994	1914769



ID	Location	Land use	Dates present	Group ID
D	353m N	Unspecified Tanks	1977	1916044
D	353m N	Unspecified Tanks	1971	1925441
13	354m N	Refuse Heap	1971	1884281
Z	374m E	Unspecified Depot	1962	1862074
Z	375m E	Unspecified Factory	1977	1925538
S	397m N	Corporation Sewage Works	1933	1868663
S	399m N	Sewage Works	1938	1935578
S	400m N	Railway Sidings	1933	1933423
S	400m N	Railway Sidings	1938	1937469
S	400m N	Sewage Works	1938	1938529
T	404m SE	Unspecified Tank	1913	1858209
D	404m NE	Unspecified Tank	1913 - 1938	1925174
14	409m SW	Refuse Heap	1975	1884277
V	410m N	Unspecified Tanks	1938	1885319
V	410m N	Unspecified Tanks	1933 - 1938	1968876
D	418m N	Unspecified Tanks	1977	1888503
D	418m N	Unspecified Tanks	1989 - 1994	1946698
AB	422m W	Sewage Farm	1898	1943586
AB	430m W	Sewage Farm	1938	1925358
15	444m W	Disused Sludge Beds	1989 - 1994	1959552
AC	445m W	Sludge Beds	1977	1938791
AC	445m W	Sludge Beds	1971	1968227
S	464m N	Railway Sidings	1933	1902750
AE	467m N	Unspecified Tanks	1989 - 1994	1947224
S	468m N	Filter Beds	1977	1865206
S	471m N	Unspecified Tank	1989 - 1994	1933714
AE	471m N	Unspecified Tanks	1971	1950547
17	472m SE	Industrial Estate	1988	1866215



ID	Location	Land use	Dates present	Group ID
AF	486m N	Unspecified Tank	1989 - 1994	1946604
AG	486m W	Sludge Bed	1977	1903972
AG	486m W	Sludge Bed	1971	1945670

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

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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 ungrouped 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
F	53m W	Unspecified Tank	1974 - 1995	327543
C	71m SW	Tanks	1958 - 1966	318944
C	71m SW	Tanks	1958 - 1967	313432
F	77m W	Unspecified Tank	1974 - 1995	325722
G	91m NE	Tanks	1993 - 1995	323485
G	92m NE	Tanks	1987	326569
C	101m SW	Tanks	1958 - 1966	317223
J	109m SE	Unspecified Tank	1995	305794
G	144m NE	Tanks	1976 - 1980	321208
J	145m SE	Tanks	1987 - 1995	323400
J	146m SE	Tanks	1974	326319
J	148m SE	Unspecified Tank	1967	315494
J	149m SE	Unspecified Tank	1966	327026
J	151m SE	Tanks	1974	317119
C	153m SW	Settling Tanks	1936	309219



ID	Location	Land use	Dates present	Group ID
G	154m NE	Tanks	1965 - 1966	325280
G	154m NE	Tanks	1958	325244
G	154m NE	Tanks	1957	322739
H	182m E	Unspecified Tank	1974	305790
M	203m SE	Gas Depot	1974	311890
3	205m E	Unspecified Tank	1974	305781
P	210m N	Tanks	1965 - 1966	313498
P	211m N	Tanks	1976	318523
P	211m N	Tanks	1980 - 1993	321669
Q	218m E	Unspecified Tank	1989	305782
Q	221m E	Unspecified Tank	1996	305783
Q	232m E	Unspecified Tank	1989 - 1996	316375
M	238m SE	Tanks	1936	310545
6	244m E	Unspecified Tank	1989 - 1996	313758
O	246m S	Unspecified Tank	1995	305793
I	256m E	Unspecified Tank	1989 - 1996	327034
P	256m N	Tanks	1965 - 1966	323651
P	256m N	Tanks	1976 - 1980	315436
P	256m N	Tanks	1993	314714
G	258m N	Tanks	1993	310541
G	261m N	Unspecified Tank	1976 - 1980	318241
M	267m SE	Tanks	1974	310544
M	268m SE	Unspecified Tank	1974 - 1995	315172
O	294m S	Unspecified Tank	1987 - 1995	324381
R	305m E	Unspecified Tank	1966 - 1996	326232
10	313m S	Unspecified Tank	1987	313874
R	318m E	Unspecified Tank	1989 - 1996	316125
D	324m N	Gas Holders	1965 - 1980	328265



ID	Location	Land use	Dates present	Group ID
D	325m N	Gas Holders	1993	322780
R	326m E	Unspecified Tank	1966 - 1968	325496
X	333m NE	Tanks	1980 - 1993	316347
X	333m NE	Tanks	1976	321490
D	339m N	Tanks	1980	322742
I	340m NE	Tanks	1988	313894
D	340m N	Tanks	1976	322920
D	340m N	Digestion Tanks	1965	309516
D	340m N	Digestion Tank	1966	309267
I	340m NE	Tanks	1988	326999
D	341m N	Tanks	1993	321343
I	342m NE	Tanks	1988	313557
U	343m S	Tanks	1966 - 1987	326362
X	343m NE	Tanks	1988	318609
U	344m S	Tanks	1967 - 1974	319515
I	344m NE	Tanks	1988	325055
I	348m NE	Unspecified Tank	1988	321956
I	348m NE	Tanks	1965 - 1966	326913
D	353m N	Tanks	1976 - 1980	313288
D	354m N	Tanks	1993	325041
W	357m E	Unspecified Tank	1989 - 1996	324479
I	358m NE	Tanks	1988	320749
T	361m SE	Unspecified Tank	1989 - 1996	316849
W	364m E	Unspecified Tank	1988	325407
T	364m SE	Unspecified Tank	1966	305784
D	368m N	Tanks	1976 - 1980	326427
Y	370m SE	Unspecified Tank	1995	305789
Y	380m SE	Unspecified Tank	1997	305788



ID	Location	Land use	Dates present	Group ID
V	381m N	Tanks	1958	317790
V	381m N	Tanks	1957	315234
V	383m N	Tanks	1958	325419
V	383m N	Tanks	1958	317490
T	384m SE	Unspecified Tank	1989 - 1996	319719
V	384m N	Tanks	1958	328159
V	387m N	Tanks	1958	315205
D	389m N	Unspecified Tank	1993	305779
V	390m N	Tanks	1958 - 1966	320162
V	391m N	Tanks	1957 - 1965	321146
V	393m N	Tanks	1958	325011
V	396m N	Tanks	1958	318781
T	407m SE	Unspecified Tank	1911 - 1936	318433
V	409m N	Tanks	1957 - 1958	319028
D	410m NE	Unspecified Tank	1911	305780
D	413m N	Tanks	1965 - 1976	318816
D	414m N	Tanks	1980	328119
D	414m N	Sludge Tanks	1932	309502
D	414m N	Tanks	1966	314198
T	421m SE	Unspecified Tank	1989 - 1996	314448
D	426m N	Sludge Tanks	1936	309505
D	442m NE	Tanks	1980	310553
D	446m NE	Unspecified Tank	1988	305778
AE	469m N	Tanks	1976	314792
AE	469m N	Tanks	1980 - 1993	326743
S	471m N	Tanks	1980 - 1993	318340
AF	488m N	Unspecified Tank	1980 - 1993	318343

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

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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 ungrouped 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
B	On site	Electricity Substation	1974 - 1987	209604
B	1m S	Electricity Substation	1995	211060
A	80m E	Electricity Substation	1995	193642
A	81m E	Electricity Substation	1974	192607
A	81m E	Electricity Substation	1987	192437
A	81m E	Electricity Substation	1987	192441
J	103m SE	Electricity Substation	1987 - 1995	209958
K	128m S	Electricity Substation	1987 - 1995	211670
K	128m S	Electricity Substation	1974	211814
F	144m W	Electricity Substation	1974 - 1995	196604
M	203m SE	Gas Depot	1974	192042
7	271m NE	Electricity Substation	1988	195139
M	272m SE	Electricity Substation	1974 - 1995	204988
D	280m N	Gas Governors	1976	192608
D	283m N	Gas Governors	1980	192230
D	283m N	Gas Governors	1993	193987
U	285m S	Electricity Substation	1974	207024
U	285m S	Electricity Substation	1987	201585
D	308m N	Power House	1936	192002
R	311m E	Electricity Substation	1966 - 1996	200876
T	321m SE	Electricity Substation	1989 - 1996	198667



ID	Location	Land use	Dates present	Group ID
11	322m W	Electricity Substation	1985 - 1993	206968
D	324m N	Gas Holders	1965 - 1980	200568
D	325m N	Gas Holders	1993	198338
D	327m N	Electricity Substation	1976 - 1993	199041
W	354m E	Electricity Substation	1966 - 1968	201984
W	361m E	Electricity Substation	1996	189792
W	372m E	Electricity Substation	1989	189791
Y	393m SE	Electricity Substation	1974 - 1997	199531
AA	404m S	Electricity Substation	1985	211871
AA	405m S	Electricity Substation	1985 - 1997	200602
AA	414m S	Electricity Substation	1982 - 1997	195875
16	445m S	Electricity Substation	1995 - 1997	201220
AD	458m NE	Gas Governor	1988	193446
AD	459m NE	Gas Governor	1988	192606
T	464m SE	Electricity Substation	1966 - 1996	199602
18	484m NE	Electricity Substation	1988	198285

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 ungrouped 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

2

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 ungrouped 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
M	178m SE	Transport Repair Depot	1974	61040
T	348m SE	Garage	1989 - 1996	63901

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

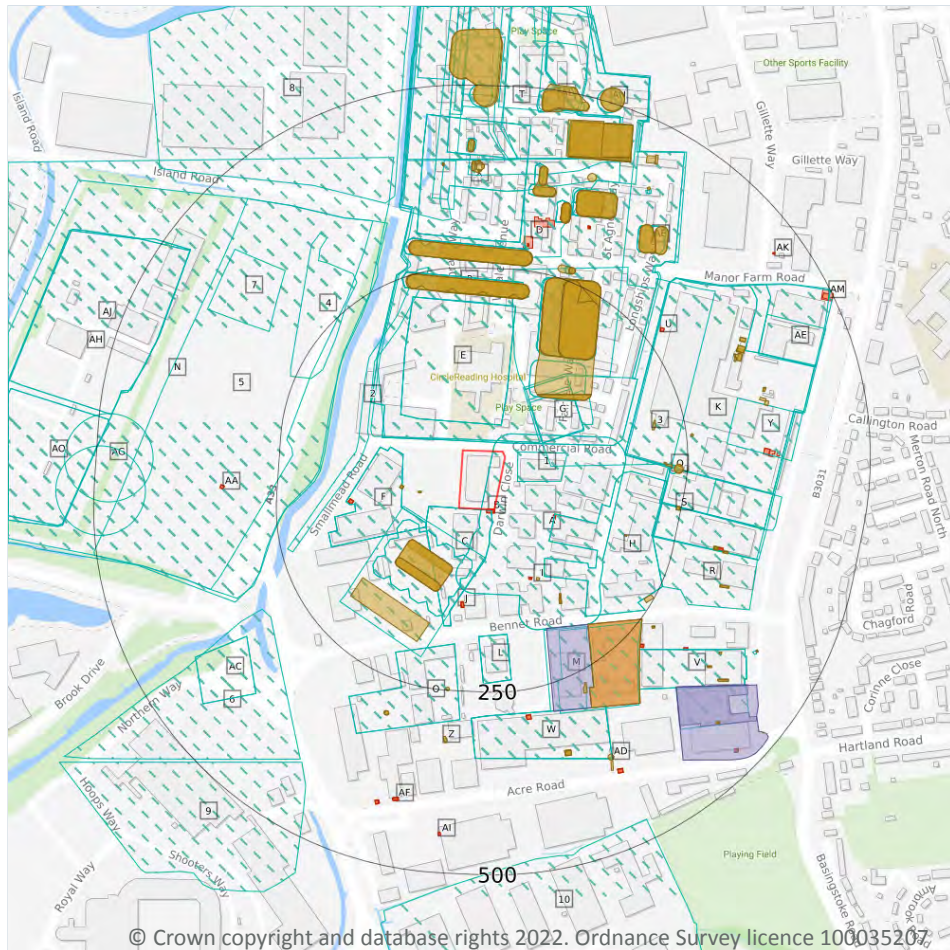
0

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

152

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 25**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1994	1934382
A	On site	Unspecified Works	1989	1966591
C	0m S	Unspecified Depot	1994	1933662



ID	Location	Land Use	Date	Group ID
C	0m S	Unspecified Depot	1989	1933662
C	0m S	Unspecified Depot	1977	1905962
D	12m N	Sewage Works	1994	1891990
D	12m N	Sewage Works	1989	1891990
D	15m N	Sewage Purification Works	1977	1886787
D	15m N	Sewage Purification Works	1971	1893621
1	17m E	Unspecified Works	1977	1918834
E	36m N	Filter Bed	1994	1967001
E	36m N	Filter Bed	1989	1967001
E	36m N	Filter Bed	1977	1941911
C	39m SW	Unspecified Works	1962	1959369
F	50m SW	Unspecified Works	1994	1953255
F	50m SW	Unspecified Works	1989	1953255
F	50m SW	Unspecified Works	1977	1936816
C	50m SW	Unspecified Tanks	1962	1967355
C	50m SW	Unspecified Tanks	1971	1967355
G	54m E	Isolation Hospital	1962	1870309
G	54m E	Unspecified Commercial/Industrial	1962	1941804
G	56m E	Unspecified Works	1977	1954687
H	82m E	Unspecified Works	1962	1942555
H	82m E	Unspecified Commercial/Industrial	1971	1936944
G	87m NE	Unspecified Tanks	1994	1962035
G	87m NE	Unspecified Tanks	1989	1962035
G	115m NE	Unspecified Heap	1962	1869705
2	130m W	Tramway Sidings	1913	1867168
G	144m N	Unspecified Tanks	1994	1916737
G	144m N	Unspecified Tanks	1989	1916737
G	144m N	Unspecified Tanks	1977	1957576



ID	Location	Land Use	Date	Group ID
G	145m N	Unspecified Tank	1971	1858217
G	153m NE	Unspecified Tanks	1962	1933893
G	154m NE	Unspecified Tank	1971	1858218
K	164m E	Unspecified Factory	1994	1914577
K	164m E	Unspecified Factory	1989	1914577
K	165m E	Unspecified Commercial/Industrial	1971	1936944
G	166m NE	Unspecified Tank	1971	1858210
K	166m E	Unspecified Factory	1977	1934780
G	171m N	Unspecified Tank	1971	1858215
L	172m S	Unspecified Commercial/Industrial	1994	1943228
L	172m S	Unspecified Commercial/Industrial	1989	1943228
L	172m S	Unspecified Works	1977	1860398
M	178m S	Unspecified Depot	1977	1862073
G	179m NE	Unspecified Tank	1971	1858219
N	186m W	Sewage Farm	1971	1961867
O	186m S	Unspecified Depot	1994	1948336
O	186m S	Unspecified Depot	1989	1948336
M	188m SE	Bus Depot	1962	1875344
N	188m W	Sewage Farm	1898	1884942
G	190m NE	Unspecified Tank	1971	1858211
G	199m N	Unspecified Tank	1971	1858265
G	205m NE	Unspecified Tank	1971	1858213
P	211m N	Unspecified Tanks	1994	1943611
P	211m N	Unspecified Tanks	1989	1943611
P	211m N	Unspecified Tanks	1977	1917139
P	211m N	Unspecified Tanks	1971	1927879
G	216m NE	Unspecified Tank	1971	1858212
R	219m E	Unspecified Depot	1962	1862075



ID	Location	Land Use	Date	Group ID
R	221m E	Unspecified Factory	1977	1934370
4	221m NW	Unspecified Heap	1962	1869708
R	223m E	Unspecified Works	1962	1904562
G	225m N	Unspecified Tank	1971	1858266
Q	225m E	Unspecified Tank	1994	1902063
Q	225m E	Unspecified Tank	1989	1902063
G	230m N	Unspecified Tanks	1971	1944164
5	231m W	Refuse Heap	1971	1884278
G	239m NE	Unspecified Tanks	1971	1938765
P	257m N	Unspecified Tanks	1994	1927613
P	257m N	Unspecified Tanks	1989	1927613
P	257m N	Unspecified Tanks	1977	1919269
P	257m N	Unspecified Tanks	1971	1899030
G	259m N	Unspecified Tanks	1994	1952442
G	259m N	Unspecified Tanks	1989	1952442
G	259m N	Unspecified Tanks	1977	1895086
G	260m N	Unspecified Tank	1971	1858413
T	268m N	Unspecified Works	1962	1860423
V	274m SE	Unspecified Factory	1994	1904771
V	274m SE	Unspecified Factory	1989	1904771
V	274m SE	Unspecified Factory	1977	1912134
W	281m S	Unspecified Works	1994	1891034
W	281m S	Unspecified Works	1989	1891034
W	281m S	Unspecified Works	1977	1948408
R	287m E	Unspecified Works	1977	1920113
X	287m N	Filter Bed	1994	1945234
X	287m N	Filter Bed	1989	1945234
X	287m N	Filter Bed	1977	1957426



ID	Location	Land Use	Date	Group ID
6	298m SW	Refuse Heap	1977	1922399
Y	304m E	Unspecified Works	1962	1860414
7	311m NW	Disused Sludge Beds	1971	1883306
D	323m N	Unspecified Tanks	1994	1909180
D	323m N	Unspecified Tanks	1989	1909180
D	323m N	Unspecified Tanks	1977	1948379
D	323m N	Unspecified Tanks	1971	1948030
X	330m N	Tramway Sidings	1913	1867169
AB	332m NE	Unspecified Tanks	1994	1950207
AB	332m NE	Unspecified Tanks	1989	1950207
AB	332m NE	Unspecified Tanks	1977	1927026
D	338m N	Unspecified Tanks	1971	1939979
D	338m N	Unspecified Tanks	1994	1909231
D	338m N	Unspecified Tanks	1989	1909231
D	338m N	Unspecified Tanks	1977	1936917
AC	339m SW	Refuse Heap	1994	1929420
AC	339m SW	Refuse Heap	1989	1929420
X	344m N	Railway Sidings	1962	1895600
V	349m SE	Unspecified Warehouse	1962	1883736
D	353m N	Unspecified Tanks	1994	1914769
D	353m N	Unspecified Tanks	1989	1914769
D	353m N	Unspecified Tanks	1977	1916044
D	353m N	Unspecified Tanks	1971	1925441
D	354m N	Unspecified Tanks	1971	1939979
8	354m N	Refuse Heap	1971	1884281
D	368m N	Unspecified Tanks	1994	1914769
D	368m N	Unspecified Tanks	1989	1914769
D	368m N	Unspecified Tanks	1977	1916044



ID	Location	Land Use	Date	Group ID
D	368m N	Unspecified Tanks	1971	1925441
AE	374m E	Unspecified Depot	1962	1862074
AE	375m E	Unspecified Factory	1977	1925538
T	397m N	Corporation Sewage Works	1933	1868663
T	399m N	Sewage Works	1938	1935578
T	400m N	Railway Sidings	1933	1933423
T	400m N	Railway Sidings	1938	1937469
T	400m N	Sewage Works	1938	1938529
T	400m N	Sewage Works	1938	1938529
V	404m SE	Unspecified Tank	1913	1858209
D	404m NE	Unspecified Tank	1913	1925174
D	405m NE	Unspecified Tank	1938	1925174
9	409m SW	Refuse Heap	1975	1884277
X	410m N	Unspecified Tanks	1938	1885319
X	410m N	Unspecified Tanks	1938	1968876
X	410m N	Unspecified Tanks	1933	1968876
D	418m N	Unspecified Tanks	1994	1946698
D	418m N	Unspecified Tanks	1989	1946698
D	418m N	Unspecified Tanks	1977	1888503
AG	422m W	Sewage Farm	1898	1943586
AG	430m W	Sewage Farm	1938	1925358
AH	444m W	Disused Sludge Beds	1994	1959552
AH	444m W	Disused Sludge Beds	1989	1959552
AJ	445m W	Sludge Beds	1977	1938791
AJ	445m W	Sludge Beds	1971	1968227
T	464m N	Railway Sidings	1933	1902750
AL	467m N	Unspecified Tanks	1994	1947224
AL	467m N	Unspecified Tanks	1989	1947224



ID	Location	Land Use	Date	Group ID
T	468m N	Filter Beds	1977	1865206
T	471m N	Unspecified Tank	1994	1933714
T	471m N	Unspecified Tank	1989	1933714
AL	471m N	Unspecified Tanks	1971	1950547
10	472m SE	Industrial Estate	1988	1866215
AN	486m N	Unspecified Tank	1994	1946604
AN	486m N	Unspecified Tank	1989	1946604
AO	486m W	Sludge Bed	1977	1903972
AO	486m W	Sludge Bed	1971	1945670

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

157

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 25**

ID	Location	Land Use	Date	Group ID
F	53m W	Unspecified Tank	1987	327543
F	53m W	Unspecified Tank	1987	327543
F	54m W	Unspecified Tank	1974	327543
F	54m W	Unspecified Tank	1995	327543
C	71m SW	Tanks	1966	318944
C	71m SW	Tanks	1958	318944
C	71m SW	Tanks	1958	313432
C	71m SW	Tanks	1967	313432
F	77m W	Unspecified Tank	1987	325722
F	77m W	Unspecified Tank	1987	325722
F	78m W	Unspecified Tank	1974	325722



ID	Location	Land Use	Date	Group ID
F	78m W	Unspecified Tank	1995	325722
G	91m NE	Tanks	1993	323485
G	91m NE	Tanks	1995	323485
G	92m NE	Tanks	1987	326569
G	92m NE	Tanks	1987	326569
C	101m SW	Tanks	1966	317223
C	101m SW	Tanks	1958	317223
I	109m SE	Unspecified Tank	1995	305794
G	144m NE	Tanks	1976	321208
I	145m SE	Tanks	1995	323400
G	146m NE	Tanks	1980	321208
I	146m SE	Tanks	1974	326319
I	146m SE	Tanks	1987	323400
I	146m SE	Tanks	1987	323400
I	148m SE	Unspecified Tank	1967	315494
I	149m SE	Unspecified Tank	1966	327026
I	151m SE	Tanks	1974	317119
C	153m SW	Settling Tanks	1936	309219
G	154m NE	Tanks	1965	325280
G	154m NE	Tanks	1966	325280
G	154m NE	Tanks	1958	325244
G	154m NE	Tanks	1957	322739
H	182m E	Unspecified Tank	1974	305790
M	203m SE	Gas Depot	1974	311890
3	205m E	Unspecified Tank	1974	305781
P	210m N	Tanks	1966	313498
P	210m N	Tanks	1965	313498
P	211m N	Tanks	1976	318523



ID	Location	Land Use	Date	Group ID
P	211m N	Tanks	1993	321669
P	211m N	Tanks	1980	321669
Q	218m E	Unspecified Tank	1989	305782
Q	221m E	Unspecified Tank	1996	305783
Q	232m E	Unspecified Tank	1996	316375
Q	232m E	Unspecified Tank	1989	316375
M	238m SE	Tanks	1936	310545
S	244m E	Unspecified Tank	1996	313758
S	244m E	Unspecified Tank	1989	313758
O	246m S	Unspecified Tank	1995	305793
Q	256m E	Unspecified Tank	1996	327034
P	256m N	Tanks	1965	323651
P	256m N	Tanks	1966	323651
Q	256m E	Unspecified Tank	1989	327034
P	256m N	Tanks	1976	315436
P	256m N	Tanks	1980	315436
P	256m N	Tanks	1993	314714
G	258m N	Tanks	1993	310541
G	261m N	Unspecified Tank	1976	318241
G	261m N	Unspecified Tank	1980	318241
M	267m SE	Tanks	1974	310544
M	268m SE	Unspecified Tank	1987	315172
M	269m SE	Unspecified Tank	1974	315172
M	269m SE	Unspecified Tank	1995	315172
O	294m S	Unspecified Tank	1995	324381
O	295m S	Unspecified Tank	1987	324381
O	295m S	Unspecified Tank	1987	324381
R	305m E	Unspecified Tank	1996	326232

ID	Location	Land Use	Date	Group ID
R	305m E	Unspecified Tank	1968	326232
R	305m E	Unspecified Tank	1966	326232
R	305m E	Unspecified Tank	1989	326232
Z	313m S	Unspecified Tank	1987	313874
Z	313m S	Unspecified Tank	1987	313874
R	318m E	Unspecified Tank	1996	316125
R	318m E	Unspecified Tank	1989	316125
D	324m N	Gas Holders	1966	328265
D	324m N	Gas Holders	1980	328265
D	324m N	Gas Holders	1965	328265
D	324m N	Gas Holders	1976	328265
D	325m N	Gas Holders	1993	322780
R	326m E	Unspecified Tank	1968	325496
R	326m E	Unspecified Tank	1966	325496
AB	333m NE	Tanks	1980	316347
AB	333m NE	Tanks	1976	321490
AB	333m NE	Tanks	1993	316347
D	339m N	Tanks	1980	322742
K	340m NE	Tanks	1988	313894
D	340m N	Tanks	1976	322920
D	340m N	Digestion Tanks	1965	309516
D	340m N	Digestion Tank	1966	309267
K	340m NE	Tanks	1988	326999
D	341m N	Tanks	1993	321343
K	342m NE	Tanks	1988	313557
W	343m S	Tanks	1966	326362
AB	343m NE	Tanks	1988	318609
W	344m S	Tanks	1974	319515



ID	Location	Land Use	Date	Group ID
W	344m S	Tanks	1967	319515
AB	344m NE	Tanks	1988	316347
K	344m NE	Tanks	1988	325055
W	344m S	Tanks	1987	326362
W	344m S	Tanks	1987	326362
K	348m NE	Unspecified Tank	1988	321956
K	348m NE	Unspecified Tank	1988	321956
K	348m NE	Tanks	1966	326913
K	349m NE	Tanks	1965	326913
D	353m N	Tanks	1980	313288
D	353m N	Tanks	1976	313288
D	354m N	Tanks	1993	325041
Y	357m E	Unspecified Tank	1989	324479
K	358m NE	Tanks	1988	320749
K	359m NE	Tanks	1988	320749
V	361m SE	Unspecified Tank	1996	316849
Y	362m E	Unspecified Tank	1996	324479
V	362m SE	Unspecified Tank	1989	316849
Y	364m E	Unspecified Tank	1988	325407
V	364m SE	Unspecified Tank	1966	305784
Y	364m E	Unspecified Tank	1988	325407
D	368m N	Tanks	1980	326427
D	369m N	Tanks	1976	326427
AD	370m SE	Unspecified Tank	1995	305789
AD	380m SE	Unspecified Tank	1997	305788
X	381m N	Tanks	1958	317790
X	381m N	Tanks	1957	315234
X	383m N	Tanks	1958	325419



ID	Location	Land Use	Date	Group ID
X	383m N	Tanks	1958	317490
V	384m SE	Unspecified Tank	1996	319719
X	384m N	Tanks	1958	328159
V	384m SE	Unspecified Tank	1989	319719
X	387m N	Tanks	1958	315205
D	389m N	Unspecified Tank	1993	305779
X	390m N	Tanks	1966	320162
X	390m N	Tanks	1958	320162
X	391m N	Tanks	1957	321146
X	391m N	Tanks	1965	321146
X	393m N	Tanks	1958	325011
X	396m N	Tanks	1958	318781
V	407m SE	Unspecified Tank	1911	318433
V	407m SE	Unspecified Tank	1936	318433
X	409m N	Tanks	1958	319028
X	409m N	Tanks	1957	319028
D	410m NE	Unspecified Tank	1911	305780
D	413m N	Tanks	1965	318816
D	413m N	Tanks	1976	318816
D	414m N	Tanks	1980	328119
D	414m N	Tanks	1966	314198
D	414m N	Sludge Tanks	1932	309502
V	421m SE	Unspecified Tank	1989	314448
V	421m SE	Unspecified Tank	1996	314448
D	426m N	Sludge Tanks	1936	309505
D	442m NE	Tanks	1980	310553
D	446m NE	Unspecified Tank	1988	305778
AL	469m N	Tanks	1976	314792



ID	Location	Land Use	Date	Group ID
AL	469m N	Tanks	1980	326743
AL	470m N	Tanks	1993	326743
T	471m N	Tanks	1980	318340
T	472m N	Tanks	1993	318340
AN	488m N	Unspecified Tank	1980	318343
AN	489m N	Unspecified Tank	1993	318343

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

77

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 25**

ID	Location	Land Use	Date	Group ID
B	On site	Electricity Substation	1974	209604
B	On site	Electricity Substation	1987	209604
B	On site	Electricity Substation	1987	209604
B	1m S	Electricity Substation	1995	211060
A	80m E	Electricity Substation	1995	193642
A	81m E	Electricity Substation	1974	192607
A	81m E	Electricity Substation	1987	192437
A	81m E	Electricity Substation	1987	192441
I	103m SE	Electricity Substation	1995	209958
I	104m SE	Electricity Substation	1987	209958
I	104m SE	Electricity Substation	1987	209958
J	128m S	Electricity Substation	1974	211814
J	128m S	Electricity Substation	1995	211670
J	129m S	Electricity Substation	1987	211670



ID	Location	Land Use	Date	Group ID
F	144m W	Electricity Substation	1987	196604
F	144m W	Electricity Substation	1987	196604
F	145m W	Electricity Substation	1974	196604
F	145m W	Electricity Substation	1995	196604
M	203m SE	Gas Depot	1974	192042
U	271m NE	Electricity Substation	1988	195139
M	272m SE	Electricity Substation	1987	204988
M	272m SE	Electricity Substation	1987	204988
M	272m SE	Electricity Substation	1974	204988
M	272m SE	Electricity Substation	1995	204988
U	272m NE	Electricity Substation	1988	195139
D	280m N	Gas Governors	1976	192608
D	283m N	Gas Governors	1980	192230
D	283m N	Gas Governors	1993	193987
W	285m S	Electricity Substation	1974	207024
W	285m S	Electricity Substation	1987	201585
W	285m S	Electricity Substation	1987	201585
D	308m N	Power House	1936	192002
R	311m E	Electricity Substation	1996	200876
R	311m E	Electricity Substation	1968	200876
R	311m E	Electricity Substation	1966	200876
R	312m E	Electricity Substation	1989	200876
V	321m SE	Electricity Substation	1996	198667
V	321m SE	Electricity Substation	1989	198667
AA	322m W	Electricity Substation	1993	206968
AA	322m W	Electricity Substation	1985	206968
D	324m N	Gas Holders	1966	200568
D	324m N	Gas Holders	1980	200568



ID	Location	Land Use	Date	Group ID
D	324m N	Gas Holders	1965	200568
D	324m N	Gas Holders	1976	200568
D	325m N	Gas Holders	1993	198338
D	327m N	Electricity Substation	1980	199041
D	327m N	Electricity Substation	1976	199041
D	328m N	Electricity Substation	1993	199041
Y	354m E	Electricity Substation	1968	201984
Y	354m E	Electricity Substation	1966	201984
Y	361m E	Electricity Substation	1996	189792
Y	372m E	Electricity Substation	1989	189791
AD	393m SE	Electricity Substation	1995	199531
AD	393m SE	Electricity Substation	1997	199531
AD	393m SE	Electricity Substation	1982	199531
AD	393m SE	Electricity Substation	1985	199531
AD	394m SE	Electricity Substation	1985	199531
AD	394m SE	Electricity Substation	1974	199531
AF	404m S	Electricity Substation	1985	211871
AF	405m S	Electricity Substation	1995	200602
AF	405m S	Electricity Substation	1997	200602
AF	405m S	Electricity Substation	1985	200602
AF	414m S	Electricity Substation	1982	195875
AF	414m S	Electricity Substation	1985	195875
AF	414m S	Electricity Substation	1985	195875
AF	415m S	Electricity Substation	1995	195875
AF	415m S	Electricity Substation	1997	195875
AI	445m S	Electricity Substation	1995	201220
AI	445m S	Electricity Substation	1997	201220
AK	458m NE	Gas Governor	1988	193446



ID	Location	Land Use	Date	Group ID
AK	459m NE	Gas Governor	1988	192606
V	464m SE	Electricity Substation	1966	199602
V	464m SE	Electricity Substation	1968	199602
V	464m SE	Electricity Substation	1989	199602
V	464m SE	Electricity Substation	1996	199602
AM	484m NE	Electricity Substation	1988	198285
AM	486m NE	Electricity Substation	1988	198285

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

3

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'.

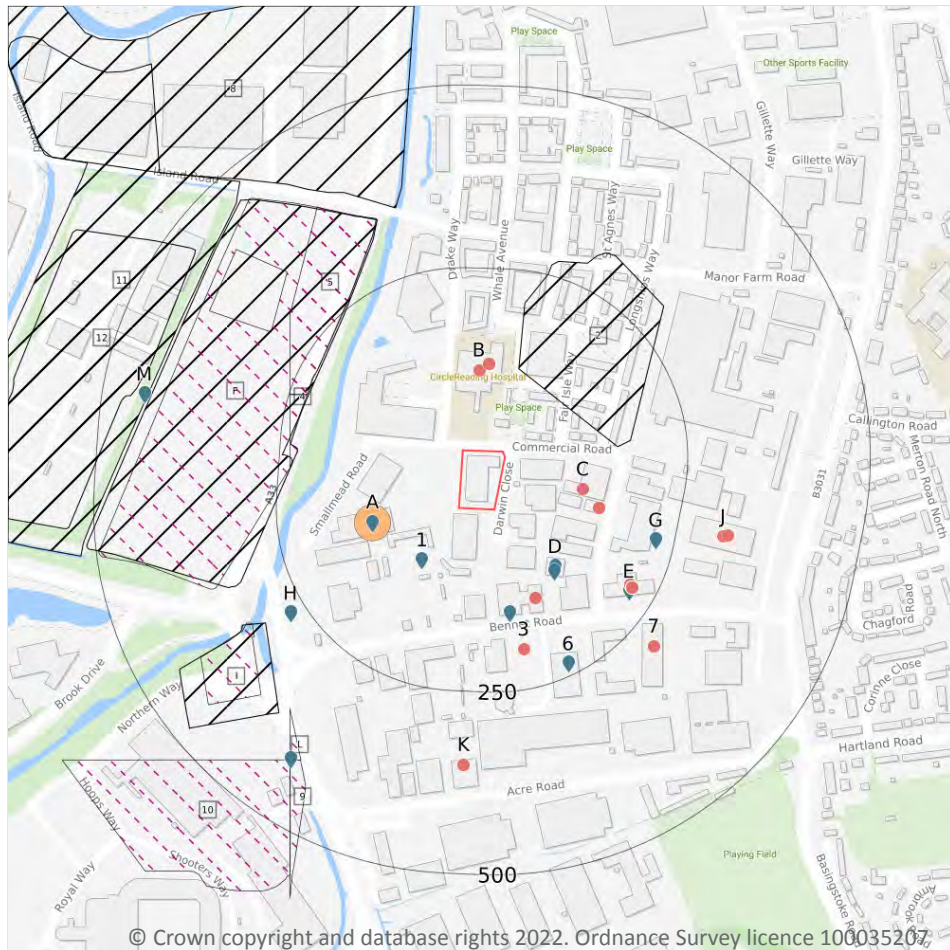
Features are displayed on the Past land use - un-grouped map on **page 25**

ID	Location	Land Use	Date	Group ID
M	178m SE	Transport Repair Depot	1974	61040
V	348m SE	Garage	1996	63901
V	348m SE	Garage	1989	63901

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

7

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

Features are displayed on the Waste and landfill map on **page 41**

ID	Location	Site address	Source	Data type
F	225m W	Refuse Tip	1966 mapping	Polygon
4	226m W	Refuse Tip	1966 mapping	Polygon
5	226m W	Refuse Tip	1965 mapping	Polygon
I	324m SW	Refuse Tip	1985 mapping	Polygon
L	359m SW	Refuse Tip	1974 mapping	Polygon
9	408m SW	Refuse Tip	1974 mapping	Polygon
10	415m SW	Refuse Tip	1974 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

6

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 41**

ID	Location	Details		
2	102m NE	Site Address: Manor Farm, Reading, Berkshire Licence Holder Address: -	Waste Licence: - Site Reference: TP0104, RDG10 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -



ID	Location	Details		
F	223m NW	Site Address: Smallmead Stadium, Reading, Berkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: TP0166, RDG5, 54/12/4/43 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 31/12/1980 Licence Surrender: -	Operator: Hall Aggregates Limited Licence Holder: - First Recorded: - Last Recorded: -
I	307m SW	Site Address: Smallmead Tip, Smallmead Road, Reading, Berkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: 54/12/5/5 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 06/09/1977 Licence Surrender: 31/03/1981	Operator: County Borough of Reading Licence Holder: Berkshire County Council WDA First Recorded 22/03/1972 Last Recorded: 31/03/1981
8	344m N	Site Address: Island Road, Reading, Berkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: RDG9, 54/12/4/23, TP0429, OCC/104 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/01/1978 Licence Surrender: 05/12/1984	Operator: - Licence Holder: Mr J Bucknell First Recorded 31/12/1977 Last Recorded: 31/12/1985
11	425m NW	Site Address: Island Road Tip, Island Road, Reading, Berkshire Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: County Borough of Reading Licence Holder: - First Recorded 17/11/1970 Last Recorded: 22/03/1975
12	440m W	Site Address: Sludge Beds, Reading, Berkshire Licence Holder Address: -	Waste Licence: - Site Reference: TP0519, RDG13 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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



3.5 Historical waste sites

Records within 500m

1

Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on **page 41**

ID	Location	Address	Further Details	Date
A	95m W	Site Address: Smallmead Road, READING, Berkshire, RG2 0QS	Type of Site: Waste Transfer Station Planning application reference: N/A Description: Scheme to provide mineral waste transfer station. An application (ref: -) for Detailed Planning permission was submitted to Reading B.C. on 14th May 1993. Design and Build tenders are currently being invited return date not available. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m

21

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 41**

ID	Location	Details		
1	88m SW	Site Name: Darwin Close Ts2 Site Address: Reading Borough Council, Contract Services, 6, Darwin Close, Reading, Berkshire, RG2 0SG Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA003 EPR reference: EA/EPR/DP3799EU/V003 Operator: Reading Borough Council Waste Management licence No: 86204 Annual Tonnage: 504	Issue Date: 19/10/1998 Effective Date: - Modified: 30/08/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	114m SE	Site Name: The Daniels Corporation International Limited Site Address: 6, Commercial Road, Reading, Berkshire, RG2 0QZ Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DAN029 EPR reference: EA/EPR/CP3394SP/S005 Operator: The Daniels Corporation International Limited Waste Management licence No: 86277 Annual Tonnage: 0	Issue Date: 10/01/2003 Effective Date: 27/11/2008 Modified: 16/11/2018 Surrendered Date: Jul 7 2021 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
D	117m SE	Site Name: White Rose Environmental Site Address: White Rose Environmental, 6, Commercial Road, Reading, Reading, Berkshire, RG2 0QZ Correspondence Address: 2nd Floor Apex House, London Road, Northfleet, Kent, DA11 9PD	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI067 EPR reference: - Operator: Sterile Technologies (Newcastle) Ltd Waste Management licence No: 86277 Annual Tonnage: 4999	Issue Date: 10/01/2003 Effective Date: 09/01/2008 Modified: 12/07/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	117m SE	Site Name: The Daniels Corporation International Ltd Site Address: 6, Commercial Road, Reading, Berkshire, RG2 0QZ Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DAN029 EPR reference: EA/EPR/CP3394SP/V003 Operator: Daniels Corporation International Ltd Waste Management licence No: 86277 Annual Tonnage: 499	Issue Date: 10/01/2003 Effective Date: 27/11/2008 Modified: 12/07/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
A	120m W	Site Name: Clembins Skip Hire Site Address: Unit 1, Smallmead Road, Reading, Berkshire, RG2 0QS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLE009 EPR reference: EA/EPR/AP3394SJ/A001 Operator: Clements Austin Leslie Waste Management licence No: 86410 Annual Tonnage: 75000	Issue Date: 15/12/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
A	120m W	Site Name: Clembins Skip Hire Site Address: Unit 1, Smallmead Road, Reading, Berkshire, RG2 0QS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLE009 EPR reference: EA/EPR/AP3394SJ/A001 Operator: Clements Austin Leslie Waste Management licence No: 86410 Annual Tonnage: 75000	Issue Date: 15/12/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
D	144m S	Site Name: Darwin Close Transfer Station Site Address: Reading Borough Council, Contract Services, 6, Darwin Close, Reading, Berkshire, RG2 0SG Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA002 EPR reference: EA/EPR/MP3499EK/V003 Operator: Reading Borough Council Waste Management licence No: 86011 Annual Tonnage: 32000	Issue Date: 29/06/1992 Effective Date: - Modified: 28/09/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	215m SE	Site Name: Select Environmental Services Site Address: Select Environmental Services, 5 - 7, Bennet Road, Reading, Berkshire, RG2 0QX Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SEL019 EPR reference: EA/EPR/CP3099VG/A001 Operator: Select Environmental Services Ltd Waste Management licence No: 100913 Annual Tonnage: 74999	Issue Date: 21/05/2009 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	215m SE	Site Name: Select Environmental Services Site Address: Select Environmental Services, 5 - 7, Bennet Road, Reading, Berkshire, RG2 0QX Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SEL019 EPR reference: EA/EPR/CP3099VG/A001 Operator: Select Environmental Services Ltd Waste Management licence No: 100913 Annual Tonnage: 74999	Issue Date: 21/05/2009 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	224m E	Site Name: Select Environmental Services Ltd Site Address: Select Environmental, Commercial Road, Reading, Reading, Berkshire, RG2 9ST Correspondence Address: 6, Commercial Road, Reading, Berkshire, RG2 0QZ	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SEL008 EPR reference: - Operator: Select Environmental Services Ltd Waste Management licence No: 86277 Annual Tonnage: 0	Issue Date: 10/01/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
G	224m E	Site Name: Healthcare Waste Limited Site Address: Healthcare Waste, Commercial Road, Reading, Reading, Berkshire, RG2 9ST Correspondence Address: 6, Commercial Road, Reading, Berkshire, RG2 0QZ	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SEL008 EPR reference: - Operator: Healthcare Waste Limited Waste Management licence No: 86277 Annual Tonnage: 0	Issue Date: 10/01/2003 Effective Date: - Modified: 12/07/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
6	234m SE	Site Name: Renault Truck Commercials Reading Site Address: RENAULT TRUCK COMMERCIALS LIMITED, BENNET ROAD, READING, RG2 0QX Correspondence Address: -	Type of Site: Vehicle Depollution Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE9364AA/A001 Operator: RENAULT TRUCK COMMERCIALS LIMITED Waste Management licence No: 120344 Annual Tonnage: -	Issue Date: 18/11/2020 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	272m SW	Site Name: Smallmead CA Site Site Address: SITA, Smallmead Farm Landfill, Bennet Road, Reading, Berks, RG2 0RP Correspondence Address: SITA, The Pickeridge, Stoke Common Road, Fulmer, Bucks, SL3 6HA	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: SIT001 EPR reference: - Operator: SITA Waste Management licence No: 86005 Annual Tonnage: 0	Issue Date: 28/04/1993 Effective Date: - Modified: 16/01/1997 Surrendered Date: 29/10/1999 Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
H	272m SW	Site Name: Smallmead CA Site Site Address: SITA, Smallmead Farm Landfill, Bennet Road, Reading, Berkshire, RG2 ORP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT001 EPR reference: EA/EPR/MP3099EP/S003 Operator: SITA Waste Management licence No: 86005 Annual Tonnage: 25000	Issue Date: 28/04/1993 Effective Date: - Modified: 16/01/1997 Surrendered Date: Oct 29 1999 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
H	272m SW	Site Name: Smallmead CA Site Site Address: SITA, Smallmead Farm Landfill, Bennet Road, Reading, Berkshire, RG2 ORP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT001 EPR reference: EA/EPR/MP3099EP/S003 Operator: SITA Waste Management licence No: 86005 Annual Tonnage: 25000	Issue Date: 28/04/1993 Effective Date: - Modified: 16/01/1997 Surrendered Date: Oct 29 1999 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
L	415m SW	Site Name: Reading Football Club Site Address: Reading Football Club, Smallmead, Bennet road, Reading, Berkshire, RG2 0JL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RFC001 EPR reference: EA/EPR/XP3199EZ/A001 Operator: Reading Football Club Waste Management licence No: 86039 Annual Tonnage: 75000	Issue Date: 03/06/1997 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure



ID	Location	Details		
L	415m SW	Site Name: Reading Football Club Site Address: Reading Football Club, Smallmead, Bennet road, Reading, Berkshire, RG2 0JL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RFC001 EPR reference: EA/EPR/XP3199EZ/A001 Operator: Reading Football Club Waste Management licence No: 86039 Annual Tonnage: 75000	Issue Date: 03/06/1997 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
M	442m W	Site Name: Island Road Transfer Station Site Address: John Mould, Island Road, Reading, Berks, RG2 0RP Correspondence Address: John Mould, Hydecree Pit, Pingewood Road North, Burghfield, Reading, Berks, RG3 3XN	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOU001 EPR reference: - Operator: John Mould Waste Management licence No: 86010 Annual Tonnage: 300000	Issue Date: 13/05/1992 Effective Date: - Modified: 13/06/1995 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
M	442m W	Site Name: Island Road Transfer Station Site Address: John Mould, Island Road, Reading, Berks, RG2 0RP Correspondence Address: John Mould, Hydecree Pit, Pingewood Road North, Burghfield, Reading, Berks, RG3 3XN	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOU001 EPR reference: - Operator: Mould John Waste Management licence No: 86010 Annual Tonnage: 300000	Issue Date: 13/05/1992 Effective Date: - Modified: 13/06/1995 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
M	442m W	Site Name: Smallmead Transfer Station Site Address: John Mould, Reading Speedway Stadium, A33 Relief Road, Reading, Berkshire, RG2 0JL Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOU001 EPR reference: EA/EPR/CP3698LG/S003 Operator: Mould J Waste Management licence No: 86010 Annual Tonnage: 0	Issue Date: 13/05/1992 Effective Date: - Modified: 13/06/1995 Surrendered Date: Nov 28 2008 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
M	442m W	Site Name: Smallmead Transfer Station Site Address: John Mould, Reading Speedway Stadium, A33 Relief Road, Reading, Berkshire, RG2 0JL Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOU001 EPR reference: EA/EPR/CP3698LG/S003 Operator: Mould J Waste Management licence No: 86010 Annual Tonnage: 0	Issue Date: 13/05/1992 Effective Date: - Modified: 13/06/1995 Surrendered Date: Nov 28 2008 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	48
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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 41**

ID	Location	Site	Reference	Category	Sub-Category	Description
B	110m N	100, DRAKE WAY, READING, RG2 ONE	WEX282345	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	110m N	100, DRAKE WAY, READING, RG2 ONE	WEX282345	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	113m E	Unit 3, 14 Commercial Road, Reading, RG2 0QJ	WEX103217	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	118m N	-	WEX225094	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	118m N	100 Drake Way READING RG2 ONE	EPR/EF0000CC /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
D	134m SE	19, BENNET ROAD, READING, RG2 0QX	WEX095187	Using waste exemption	Not on a farm	Use of waste in construction
D	134m SE	19, BENNET ROAD, READING, RG2 0QX	WEX095189	Using waste exemption	Not on a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
D	134m SE	19, BENNET ROAD, READING, RG2 0QX	WEX095191	Using waste exemption	Not on a farm	Use of waste in construction
C	139m E	TPS Reading, Unit 3, 14 Commercial Road, Reading, RG20QJ	WEX256538	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	139m E	TPS Reading, Unit 3, 14 Commercial Road, Reading, RG20QJ	WEX256538	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	139m E	TPS Reading, Unit 3, 14 Commercial Road, Reading, RG20QJ	WEX256538	Storing waste exemption	Not on a farm	Storage of sludge
3	196m S	19 Bennet Road READING RG2 0QX	EPR/EF0836RH /A001	Treating waste exemption	Non- Agricultura l Waste Only	Crushing waste fluorescent tubes
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Sorting mixed waste
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Crushing waste fluorescent tubes
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Sorting and de-naturing of controlled drugs for disposal
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Preparatory treatments (baling, sorting, shredding etc)
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non- Agricultura l Waste Only	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
E	213m SE	PROSPER PARK BENNET ROAD READING BERKSHIRE RG2 0QX	EPR/DF0039CK /A001	Treating waste exemption	Non-Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Treating waste exemption	Not on a farm	Sorting mixed waste
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX211061	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	216m SE	PROSPER PARK, UNIT 2, BENNET ROAD, READING, RG2 0QX	WEX141929	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	216m SE	PROSPER PARK, UNIT 2, BENNET ROAD, READING, RG2 0QX	WEX141929	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Sorting mixed waste

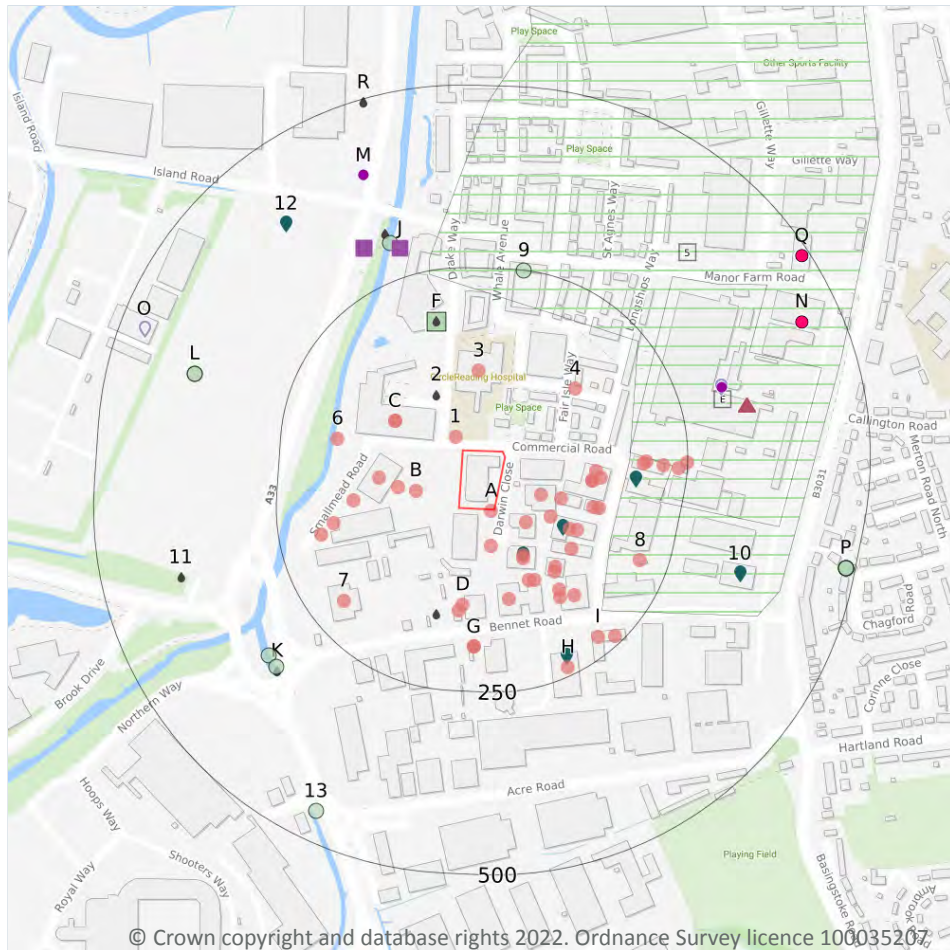


ID	Location	Site	Reference	Category	Sub-Category	Description
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	216m SE	BENNET ROAD, READING, RG2 0QX	WEX060435	Treating waste exemption	Not on a farm	Recovery of scrap metal
7	287m SE	3 TRANSCENTRAL, BENNET ROAD, READING, RG2 0QX	WEX091255	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	314m E	464 Basingstoke Road, Reading, Berkshire, RG2 0QN	EA/EPR/VP398 9GM/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
J	319m E	464 Basingstoke Road, Reading, Berkshire, RG2 0QN	EA/EPR/VP388 9AD/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
K	351m S	-	WEX214229	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	351m S	-	WEX214229	Storing waste exemption	Not on a farm	Storage of waste in secure containers
K	351m S	-	WEX214229	Treating waste exemption	Not on a farm	Sorting mixed waste
K	351m S	-	WEX214229	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	351m S	-	WEX214229	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
K	351m S	-	WEX214229	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
K	351m S	-	WEX214229	Treating waste exemption	Not on a farm	Recovery of textiles

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ⬮ Part A(1) industrial activities
- ⬮ Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- ⬮ Licensed Discharges to controlled waters
- Pollutant release to surface waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

51

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 55**

ID	Location	Company	Address	Activity	Category
A	2m S	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
1	21m NW	Gas Governors	Berkshire, RG2	Gas Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
A	47m E	Brothers Office Furniture	5, Darwin Close, Reading, Berkshire, RG2 0TB	Office and Shop Equipment	Industrial Products
A	50m S	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	58m E	V J Tech Ltd	3, Darwin Close, Reading, Berkshire, RG2 0TB	Measurement and Inspection Equipment	Industrial Products
B	60m W	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
A	74m SE	Alfachemicals Ltd	7, Darwin Close, Reading, Berkshire, RG2 0TB	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
A	77m E	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	78m SE	Factory	Berkshire, RG2	Unspecified Works Or Factories	Industrial Features
B	86m W	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
A	87m E	Shadow	Unit 7 Manor Commercial Centre 12, Commercial Road, Reading, Berkshire, RG2 0QJ	Special Purpose Machinery and Equipment	Industrial Products
C	102m NW	Inchcape Reading B M W	Drake Way, Reading, Berkshire, RG2 0GH	New Vehicles	Motoring
C	102m NW	Cooper Reading Mini	Drake Way, Reading, Berkshire, RG2 0GH	New Vehicles	Motoring
A	106m E	Works	Berkshire, RG2	Unspecified Works Or Factories	Industrial Features
A	107m SE	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
3	110m N	Circle Reading Hospital	100, Drake Way, Reading, Berkshire, RG2 0NE	Hospitals	Health Practitioners and Establishments
A	111m SE	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
B	113m W	Vinyl Graphics Ltd	Smallmead Road, Reading, Berkshire, RG2 0QS	Signs	Industrial Products
A	115m SE	Sharpsmart	6, Commercial Road, Reading, Berkshire, RG2 0QZ	Medical Waste Disposal Services	Health Support Services



ID	Location	Company	Address	Activity	Category
A	117m E	Fix Autos Reading	10, Commercial Road, Reading, Berkshire, RG2 0QZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	118m SE	Europcar	6-8, Commercial Road, Reading, Berkshire, RG2 0QZ	Vehicle Hire and Rental	Hire Services
A	119m SE	Works	Berkshire, RG2	Unspecified Works Or Factories	Industrial Features
A	124m E	Kroy Europe	Unit 2 14, Commercial Road, Reading, Berkshire, RG2 0QJ	Stationery, Stamps, Tags and Labels	Industrial Products
A	124m E	Richfield Labels Ltd	Unit 2 Kroy Building, 14 Commercial Road, Reading, Berkshire, RG2 0QJ	Office and Shop Equipment	Industrial Products
A	124m S	GAP Group Ltd	11, Bennet Road, Reading, Berkshire, RG2 0QZ	Construction and Tool Hire	Hire Services
A	127m E	I S S	Unit 1-3 14, Commercial Road, Reading, Berkshire, RG2 0QJ	Distribution and Haulage	Transport, Storage and Delivery
4	131m NE	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
D	132m S	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	132m E	R D S	Unit 2 Manor Commercial Centre 12, Commercial Road, Reading, Berkshire, RG2 0QJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	134m E	T P S Reading	Unit 3, 14 Commercial Road, Reading, Berkshire, RG2 0QJ	New Vehicles	Motoring
A	139m E	Production Test Systems Ltd	Unit 1 Manor Commercial Centre 12, Commercial Road, Reading, Berkshire, RG2 0QJ	Electrical Components	Industrial Products
D	140m S	Pumping Station	Berkshire, RG2	Water Pumping Stations	Industrial Features
A	141m SE	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
B	144m W	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	150m SE	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
A	160m SE	Speedy Hire Plc	7-8, Bennet Road, Reading, Berkshire, RG2 0QX	Construction and Tool Hire	Hire Services
6	172m W	Outfall	Berkshire, RG2	Waste Storage, Processing and Disposal	Infrastructure and Facilities
B	173m W	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
G	189m S	Thrifty Car & Van Rental	20-22, Bennet Road, Reading, Berkshire, RG2 0QX	Vehicle Hire and Rental	Hire Services
G	189m S	Dollar	24, Bennet Road, Reading, Berkshire, RG2 0QX	Vehicle Hire and Rental	Hire Services
A	190m E	Works	Berkshire, RG2	Unspecified Works Or Factories	Industrial Features
B	191m W	Electricity Sub Stations	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	193m E	James White Group Engineering Ltd	Commercial Road, Reading, Berkshire, RG2 0RU	Metalworkers Including Blacksmiths	Construction Services
7	203m SW	Jardine Motors Group	Bennet Road, Reading, Berkshire, RG2 0QX	New Vehicles	Motoring
8	211m E	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities
A	217m E	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
I	224m SE	Fenn Motor Works	Unit 2 Bennet Court, Bennet Road, Reading, Berkshire, RG2 0QX	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	238m SE	Renault Trucks South	Bennet Road, Reading, Berkshire, RG2 0QX	New Vehicles	Motoring
A	239m E	Tank	Berkshire, RG2	Tanks (Generic)	Industrial Features
I	239m SE	Reflex	Unit 1 Bennet Court, Bennet Road, Reading, Berkshire, RG2 0QX	Electronic Equipment	Industrial Products
A	250m E	Electricity Sub Station	Berkshire, RG2	Electrical Features	Infrastructure and Facilities

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**2**

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.

Features are displayed on the Current industrial land use map on **page 55**

ID	Location	Company	Address	Operational status	Tier
5	164m E	Gillette UK Ltd	Gillette UK Ltd, Manor Farm Ind Est, Off Basingstoke Road, Reading, RG2 0QE	Historical NIHHS Site	-
E	171m E	Gillette UK Limited	Gillette UK Limited, Reading Gillette Factory, Basingstoke Road, Reading, Berkshire, RG2 0QE	Current COMAH Site	COMAH Lower Tier Operator

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

4

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.

Features are displayed on the Current industrial land use map on **page 55**

ID	Location	Details	
E	337m E	Application reference number: 09/00868/HAZARD Application status: Approved Application date: 05/06/2009 Address: Gillette UK Ltd, 452, Basingstoke Road, Reading, Berks, England, RG2 0QE	Details: Increased storage of Liquefied Petroleum Gas from 152 Tonnes to 319 Tonnes. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	337m E	Application reference number: 09/00377/HAZARD Application status: Withdrawn Application date: 07/04/2009 Address: 452 Basingstoke Road, Reading, Berkshire, RG2 0QE	Details: Increased storage of Liquefied Petroleum Gas from 152 Tonnes to 319 Tonnes. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	337m E	Application reference number: 09/00868/HAZARD Application status: Historical Consent Application date: 05/06/2009 Address: Gillette UK Ltd, 452 Basingstoke Road, Reading, Berkshire, RG2 0QE	Details: Increased storage of Liquefied Petroleum Gas from 152 Tonnes to 319 Tonnes. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	337m E	Application reference number: 92/00699/HAZARD Application status: Historical Consent Application date: 28/08/1992 Address: Gillette UK Ltd, 452 Basingstoke Road, Reading, Berkshire, RG2 0QE	Details: Hazardous Substance Consent to allow for increased storage of Liquefied Petroleum Gas from 152 tonnes to 319 tonnes Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

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

7

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 55**

ID	Location	Details	
E	310m E	Operator: GILLETTE UK LIMITED Installation Name: SOAP MANUFACTURE GILLETTE READING Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: LP3238LS Original Permit Number: LP3238LS	EPR Reference: - Issue Date: 15/06/2007 Effective Date: 15/06/2007 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
E	310m E	Operator: GILLETTE UK LIMITED Installation Name: SOAP MANUFACTURE GILLETTE READING - EPR/LP3238LS Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: EP3732NR Original Permit Number: LP3238LS	EPR Reference: - Issue Date: 20/08/2013 Effective Date: 20/08/2013 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
E	310m E	Operator: GILLETTE UK LIMITED Installation Name: GILLETTE U.K. LTD Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: VP3705SD Original Permit Number: LP3238LS	EPR Reference: - Issue Date: 23/02/2021 Effective Date: 23/02/2021 Last date noted as effective: 01/01/2022 Status: EFFECTIVE
E	310m E	Operator: GILLETTE UK LIMITED Installation Name: SOAP MANUFACTURE GILLETTE READING Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: GP3234CM Original Permit Number: LP3238LS	EPR Reference: - Issue Date: 13/07/2012 Effective Date: 13/07/2012 Last date noted as effective: 01/01/2022 Status: SUPERCEDED

ID	Location	Details	
E	310m E	Operator: GILLETTE UK LIMITED Installation Name: SOAP MANUFACTURE GILLETTE READING Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: NP3739KE Original Permit Number: LP3238LS	EPR Reference: - Issue Date: 19/01/2010 Effective Date: 19/01/2010 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
O	466m W	Operator: THAMES WATER UTILITIES LTD Installation Name: READING COMBINED HEAT AND POWER PLANT Process: ASSOCIATED PROCESS Permit Number: VP3134ZV Original Permit Number: MP3338LU	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/04/2013 Status: DETERMINATION
O	466m W	Operator: THAMES WATER UTILITIES LTD Installation Name: READING C H P Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: MP3338LU Original Permit Number: MP3338LU	EPR Reference: - Issue Date: 19/12/2006 Effective Date: 19/12/2006 Last date noted as effective: 01/01/2022 Status: SUPERCEDED

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

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

Records within 500m

6

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 55**

ID	Location	Address	Details	
A	72m SE	Clydebridge Chemicals Limited, 7 Darwin Close, Reading, Berkshire, RG2 0TB	Process: Manufacture of Coating Materials Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	96m E	Reading Accident Repairs Limited, 10 Commercial Road, Reading, Berkshire, RG2 0QZ	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



ID	Location	Address	Details	
A	181m E	Vanguard Rental (UK) Limited, National Car Rental, 6-8 Commercial Road, Reading, Berks, RG2 0QZ	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	223m SE	Renault Trucks South, Bennet Road, Reading, Berkshire, RG2 0QX	Process: Respraying of Road Vehicles Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	346m E	Harcros, Basingstoke Rd, RG2 0QX	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
12	393m NW	J Mould (Demolition) Ltd, Island Road, RG2 0QX	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

8

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 55**

ID	Location	Address	Details	
N	446m NE	Thames Water Utilities Ltd, Spencer House Laboratories, Manor Farm Complex, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: CD0987 Date of approval: 12/01/2009	Effective from: 09/02/2009 Last date of update: 01/01/2015 Status: Revoked/cancelled
N	446m NE	Thames Water Utilities Ltd, Spencer House Laboratories, Manor Farm Complex, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: CD1002 Date of approval: 12/01/2009	Effective from: 12/01/2009 Last date of update: 01/01/2015 Status: Revoked/cancelled



ID	Location	Address	Details	
Q	489m NE	Thames Water Utilities Ltd, Spencer House,manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AM1097 Date of approval: 24/04/1999	Effective from: 24/04/1999 Last date of update: 01/01/2015 Status: Superseded By Variation
Q	489m NE	Thames Water Utilities Ltd, Spencer House,manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AM1097 Date of approval: 09/01/2003	Effective from: 10/01/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled
Q	489m NE	Thames Water Utilities Ltd, Spencer House, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AM8172 Date of approval: 09/05/1994	Effective from: 06/06/1994 Last date of update: 01/01/2015 Status: Superseded By Variation
Q	489m NE	Thames Water Utilities Ltd, Spencer House, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AM8172 Date of approval: 22/11/1995	Effective from: 23/11/1995 Last date of update: 01/01/2015 Status: Superseded By Variation
Q	489m NE	Thames Water Utilities Ltd, Spencer House, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AM8172 Date of approval: 17/05/2000	Effective from: 31/05/2000 Last date of update: 01/01/2015 Status: Superseded By Variation
Q	489m NE	Thames Water Utilities Ltd, Spencer House, Manor Farm Road, Reading, Berkshire, RG2 0JN	Operator: Thames Water Utilities Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AM8172 Date of approval: 10/01/2003	Effective from: 06/02/2003 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

28

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.
 Features are displayed on the Current industrial land use map on **page 55**



ID	Location	Address	Details	
2	84m NW	LAND BETWEEN CIRCUIT LANE PS, & MAN, LAND BETWEEN CIRCUIT LANE PS &, MANOR FARM STW READING	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: CNTM.0374 Permit Version: 1 Receiving Water: HOLY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 24/06/1992 Effective Date: 24/06/1992 Revocation Date: 29/10/1992
D	148m S	Reading, Lower Whitley, Reading, Lower Whitley	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1774 Permit Version: 1 Receiving Water: FOUNDRY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 27/01/1997
F	179m N	MANOR FARM STW, READING, BERKS, MANOR FARM STW READING BERKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTR.1327 Permit Version: 1 Receiving Water: FOUNDRY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1973 Effective Date: 31/01/1985 Revocation Date: 16/08/1990
F	179m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTR.0326 Permit Version: 1 Receiving Water: FOUNDRY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 12/06/1958 Effective Date: 31/01/1985 Revocation Date: 15/02/1991
J	289m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CNTW.0661 Permit Version: 1 Receiving Water: FOUNDRY BROOK	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 17/08/1990 Effective Date: 17/08/1990 Revocation Date: 29/09/1994
J	289m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CNTW.0661 Permit Version: 2 Receiving Water: FOUNDRY BROOK	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/08/1990 Effective Date: 30/09/1994 Revocation Date: 17/12/1998
J	289m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CNTW.0661 Permit Version: 3 Receiving Water: FOUNDRY BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 17/08/1990 Effective Date: 18/12/1998 Revocation Date: 08/04/2005



ID	Location	Address	Details	
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 4 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/2009 Effective Date: 01/04/2009 Revocation Date: 16/07/2018
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 4 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/2009 Effective Date: 01/04/2009 Revocation Date: 16/07/2018
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 5 Receiving Water: FOUdry BROOK	Status: VARIED UNDER EPR 2010 Issue date: 17/07/2018 Effective Date: 17/07/2018 Revocation Date: 16/01/2019
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 5 Receiving Water: FOUdry BROOK	Status: VARIED UNDER EPR 2010 Issue date: 17/07/2018 Effective Date: 17/07/2018 Revocation Date: 16/01/2019
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 1 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/05/2005 Effective Date: 31/03/2005 Revocation Date: 12/02/2006
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 1 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/05/2005 Effective Date: 31/03/2005 Revocation Date: 12/02/2006
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 2 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/02/2006 Effective Date: 13/02/2006 Revocation Date: 28/06/2007



ID	Location	Address	Details	
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 2 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/02/2006 Effective Date: 13/02/2006 Revocation Date: 28/06/2007
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 3 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/06/2007 Effective Date: 29/06/2007 Revocation Date: 31/03/2009
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 3 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/06/2007 Effective Date: 29/06/2007 Revocation Date: 31/03/2009
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 4 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/2009 Effective Date: 01/04/2009 Revocation Date: 16/07/2018
J	307m NW	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 4 Receiving Water: FOUdry BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/2009 Effective Date: 01/04/2009 Revocation Date: 16/07/2018
J	314m N	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 6 Receiving Water: FOUdry BROOK	Status: VARIED UNDER EPR 2010 Issue date: 17/01/2019 Effective Date: 17/01/2019 Revocation Date: -
J	314m N	READING SEWAGE TREATMENT WORKS, ISLAND ROAD, READING, BERKSHIRE, RG2 ORP	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CAWM.0942 Permit Version: 6 Receiving Water: FOUdry BROOK	Status: VARIED UNDER EPR 2010 Issue date: 17/01/2019 Effective Date: 17/01/2019 Revocation Date: -



ID	Location	Address	Details	
K	334m SW	AGMET LIMITED, 8 COMMERCIAL ROAD, READING, BERKSHIRE, RG2 0QZ	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: NPSWQD009614 Permit Version: 1 Receiving Water: TRIBUTARY OF FOUDRY BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/03/2010 Effective Date: 12/03/2010 Revocation Date: 02/06/2013
K	334m SW	AGMET LIMITED, 8 COMMERCIAL ROAD, READING, BERKSHIRE, RG2 0QZ	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: NPSWQD009614 Permit Version: 2 Receiving Water: TRIBUTARY OF FOUDRY BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 12/03/2010 Effective Date: 03/06/2013 Revocation Date: 18/12/2018
11	392m W	GREEN PARK OUTLET B, GREEN PARK, RE, GREEN PARK OUTLET B GREEN PARK, READING BERKSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: CATM.3310 Permit Version: 1 Receiving Water: FOUDRY BROOK	Status: CONSENT REVOKED - DISCHARGE CEASED (SECTION 37(1)) Issue date: 15/07/1998 Effective Date: 15/07/1998 Revocation Date: 08/04/1999
M	400m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: CTCR.0327 Permit Version: 1 Receiving Water: FOUDRY BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/06/1958 Effective Date: 31/01/1985 Revocation Date: 08/04/2005
R	495m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTCR.1965 Permit Version: 1 Receiving Water: FOUDRY BROOK	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 28/02/1983 Effective Date: 31/01/1985 Revocation Date: 17/12/1998
R	495m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTCR.1965 Permit Version: 2 Receiving Water: FOUDRY BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 28/02/1983 Effective Date: 18/12/1998 Revocation Date: 20/12/2000
R	495m N	READING STW, MANOR FARM ROAD, READI, READING STW MANOR FARM ROAD RE, ADING BERKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CTCR.1965 Permit Version: 3 Receiving Water: FOUDRY BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/12/2000 Effective Date: 21/12/2000 Revocation Date: 08/04/2005

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 55**

ID	Location	Address	Details	
J	289m N	THAMES WATER UTILITIES LIMITED, READING STW, MANOR FARM ROAD, READI, READING STW, MANOR FARM ROAD, RE, ADING, BERKSHIRE	Permit Number: CNTW.0661 Permit Version: 3 Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Discharge Type: Sewage Disposal Works - water company	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Catchment: - Approval Date: 1998-12- 18T00:00:00.000Z
J	307m NW	THAMES WATER UTILITIES LTD, READING SEWAGE TREATMENT WORKS, READING, BERKSHIRE	Permit Number: CAWM.0942 Permit Version: 2 Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Discharge Type: Sewage Disposal Works - water company	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Catchment: - Approval Date: 2006-02- 13T00:00:00.000Z
J	307m NW	THAMES WATER UTILITIES LTD, READING SEWAGE TREATMENT WORKS, READING, BERKSHIRE	Permit Number: CAWM.0942 Permit Version: 1 Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Discharge Type: Sewage Disposal Works - water company	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Catchment: - Approval Date: 2005-03- 31T00:00:00.000Z

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

2

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 55**

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	180m N	Reading Stw	Active	-	-
F	180m N	Reading Stw	Active	Kennet	Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m

8

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.

Features are displayed on the Current industrial land use map on **page 55**

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	180m N	Unimet Enamellers Ltd	Active	Kennet	Chromium, Copper, Nickel, Zinc
F	180m N	Reading Scientific Services Ltd	Active	-	Zinc
F	180m N	Veolia Es West Berkshire Ltd	Active	-	Chromium, Copper, Lead, Nickel, Zinc
F	180m N	Quick Circuits Ltd, 1 Lovelock Rd, Reading	Active	Kennet	Chromium, Copper, Lead, Nickel
F	180m N	Precision Aircraft Ltd, 215 Cardiff Rd, Reading	Active	Kennet	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
F	180m N	Oxkem Ltd, Loverock Rd, Reading	Active	Kennet	Chromium, Copper, Lead, Nickel
F	180m N	Moog Components Group Ltd, Suttons Business Park, Reading	Active	Kennet	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
F	180m N	Reading Stw, Thames Water Utilities	Active	Kennet	Iron

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



4.18 Pollution Incidents (EA/NRW)

Records within 500m

11

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 55**

ID	Location	Details	
9	249m N	Incident Date: 02/01/2003 Incident Identification: 129029 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	301m N	Incident Date: 09/12/2001 Incident Identification: 47376 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	330m SW	Incident Date: 21/04/2013 Incident Identification: 1104823 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	331m SW	Incident Date: 25/02/2003 Incident Identification: 139282 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	382m W	Incident Date: 27/04/2002 Incident Identification: 75161 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
L	382m W	Incident Date: 27/04/2002 Incident Identification: 75161 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
13	459m SW	Incident Date: 26/05/2003 Incident Identification: 160845 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
P	486m E	Incident Date: 23/10/2002 Incident Identification: 116399 Pollutant: Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Household Waste:Tyres:Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
P	486m E	Incident Date: 23/10/2002 Incident Identification: 116399 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
P	486m E	Incident Date: 23/10/2002 Incident Identification: 116399 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
P	486m E	Incident Date: 23/10/2002 Incident Identification: 116399 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

2

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 55**

ID: E, Location: 311m E, Permit: LP3238LS
 Operator: Gillette UK Limited
 Activity: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS
 Address: Gillette U.K. Ltd 452 Basingstoke Road Whitley Berkshire RG2 0QE
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold

ID: M, Location: 400m N, Permit: CAWM.0942
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: READING STW RG2 ORP
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Phosphorus - as total P	5000kg	18495.89kg

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

4.20 Pollution inventory waste transfers

Records within 500m

2

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 55**

ID: E, Location: 311m E, Permit: LP3238LS
 Operator: Gillette UK Limited
 Activity: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS
 Address: Gillette U.K. Ltd 452 Basingstoke Road Whitley Berkshire RG2 0QE
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R2	Solvent reclamation/regeneration	0.21	Absolute Value	06 01 06	other acids	1
R2	Solvent reclamation/regeneration	1.21	Absolute Value	06 02 04	sodium and potassium hydroxide	1



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)	688.3	Absolute Value	07 06 01	aqueous washing liquids and mother liquors	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)	11.17	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	616.01	Absolute Value	07 06 10	other filter cakes and spent absorbents	1
R2	Solvent reclamation/regeneration	1.54	Absolute Value	13 02 06	synthetic 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)	1.11	Absolute Value	14 06 03	other solvents and solvent mixtures	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	13.82	Absolute Value	15 01 02	plastic packaging	0
R5	Recycling/reclamation of other inorganic materials	19.85	Absolute Value	15 01 02	plastic packaging	0
R4	Recycling/reclamation of metals and metal compounds	89.76	Absolute Value	15 01 04	metallic packaging	0
R2	Solvent reclamation/regeneration	0.59	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)	2.73	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	1



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)	0.01	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	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)	0.09	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
R2	Solvent reclamation/regeneration	25.49	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)	3.24	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
R2	Solvent reclamation/regeneration	14.58	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.92	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R2	Solvent reclamation/regeneration	0.2	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
R2	Solvent reclamation/regeneration	0.06	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)	0.08	Absolute Value	16 06 01	lead batteries	1
R2	Solvent reclamation/regeneration	0.08	Absolute Value	16 06 02	Ni-Cd batteries	1
R2	Solvent reclamation/regeneration	0.1	Absolute Value	17 01 06	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R2	Solvent reclamation/regeneration	0.02	Absolute Value	20 01 15	alkalines	1
R4	Recycling/reclamation of metals and metal compounds	0.15	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)	0.04	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	1
R2	Solvent reclamation/regeneration	0.1	Absolute Value	20 01 29	detergents containing dangerous substances	1
R2	Solvent reclamation/regeneration	0.3	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
R1	Use principally as a fuel or other means to generate energy	136.12	Absolute Value	20 03 01	mixed municipal waste	0

ID: M, Location: 400m N, Permit: CAWM.0942
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: READING STW RG2 ORP
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	70.74	Absolute Value	19 08 01	screenings	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	5.88	Absolute Value	19 08 02	waste from desanding	0
R10	Land treatment resulting in benefit to agriculture or ecological improvement	3871.42	Absolute Value	19 08 05	sludges from treatment of urban waste water	0

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



4.21 Pollution inventory radioactive waste

Records within 500m

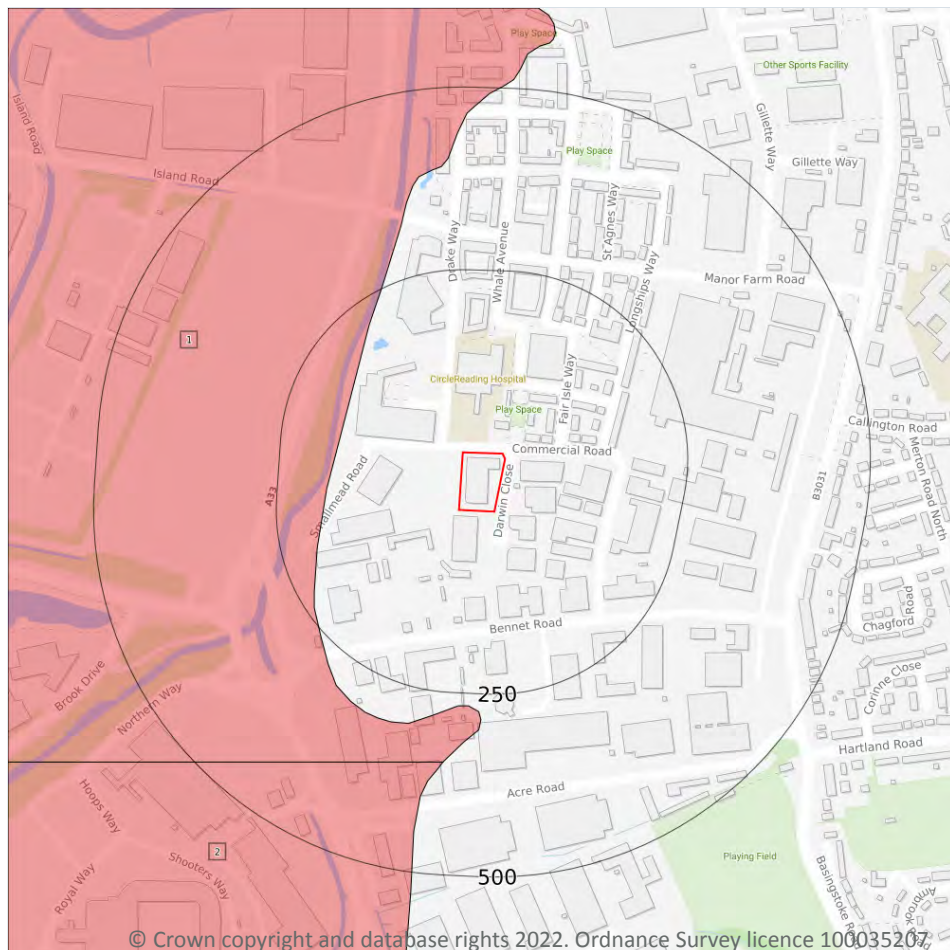
0

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



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 78**

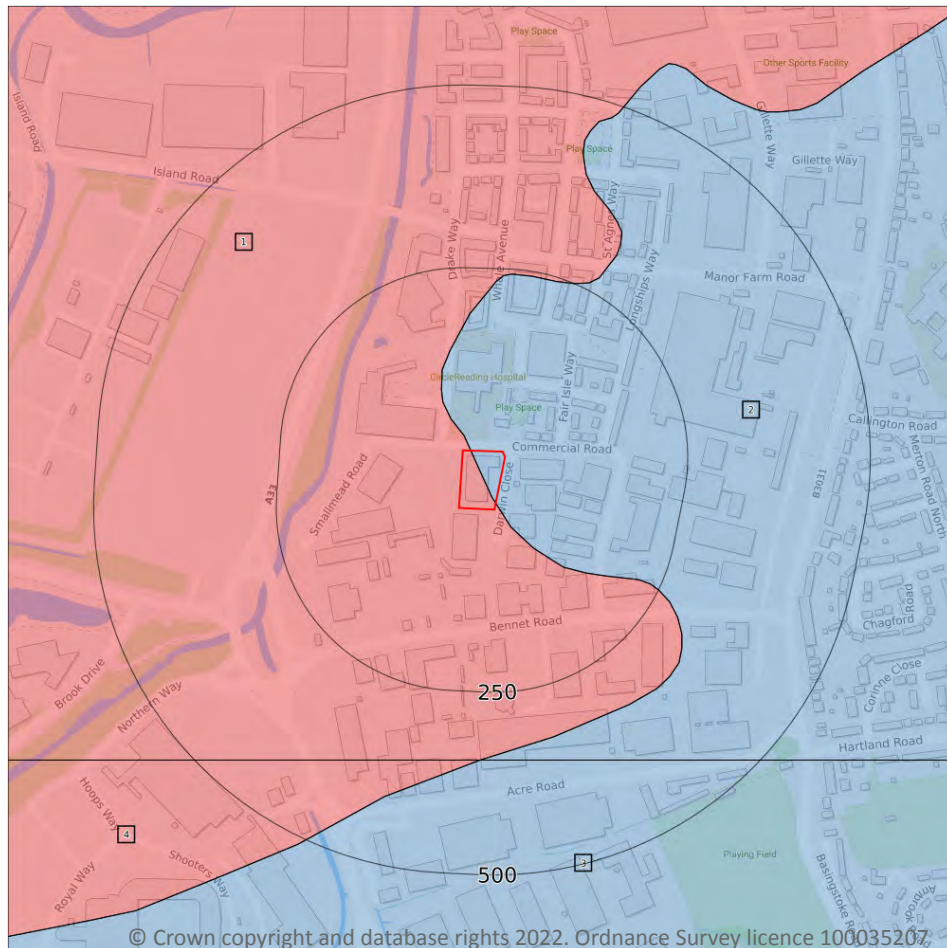
ID	Location	Designation	Description
1	168m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	346m S	Secondary 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

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 80**

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	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

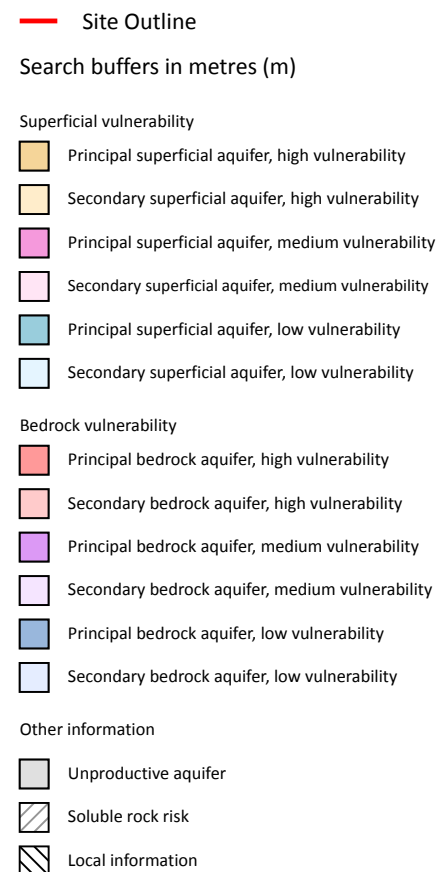
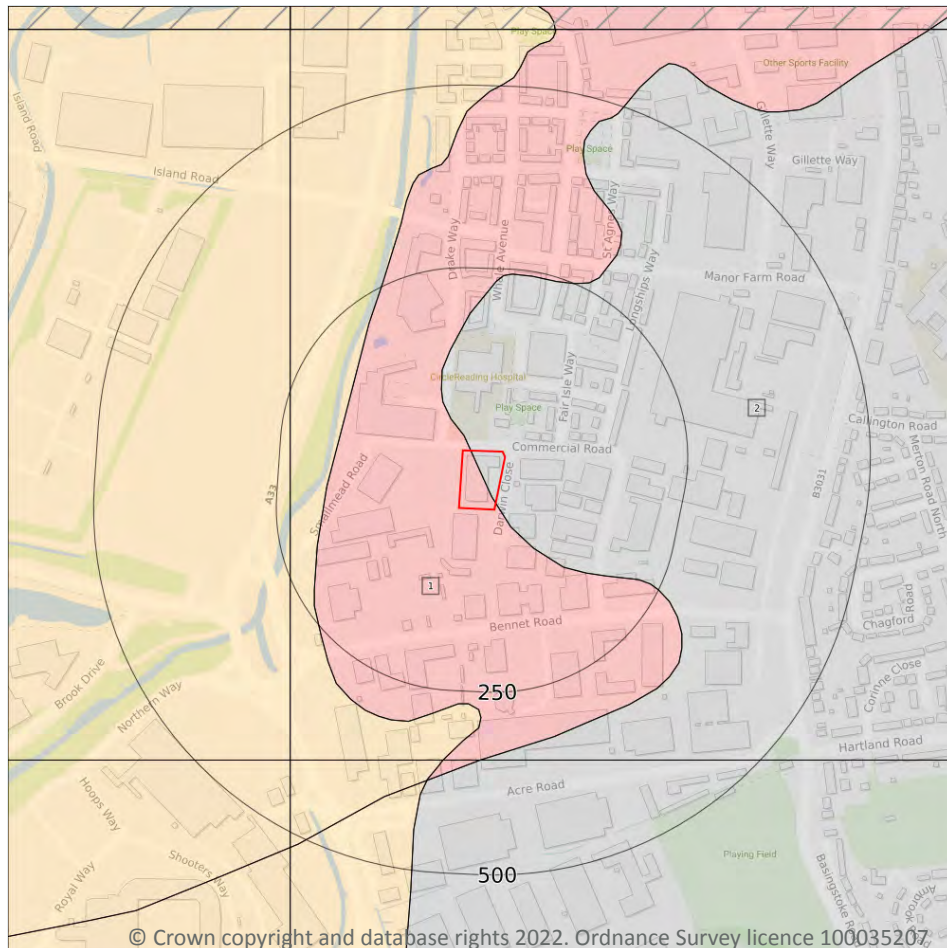


ID	Location	Designation	Description
3	343m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	343m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, 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 82**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive 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	0
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

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

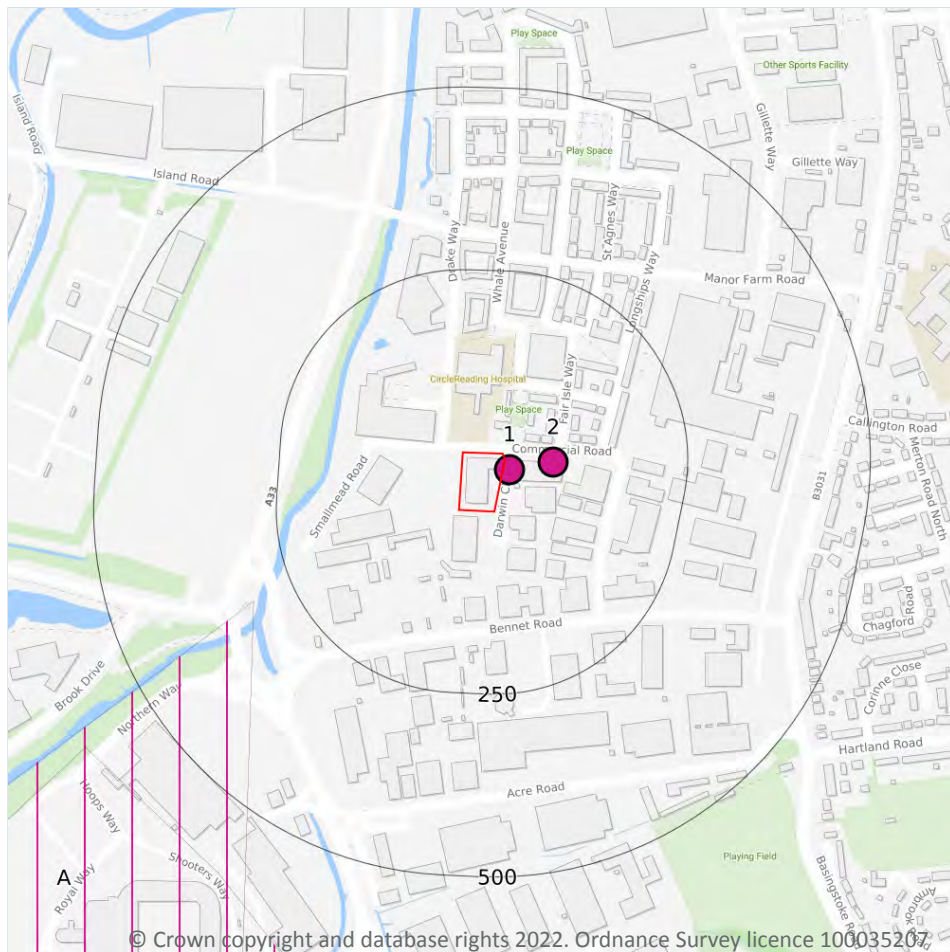
5.5 Groundwater vulnerability- local information

Records on site	0
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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.

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
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

33

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 84**

ID	Location	Details	
1	8m E	Status: Historical Licence No: 28/39/22/0525 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: DARWIN CLOSE, WHITLEY, READING Data Type: Point Name: CLEAN LINEN SERVICES LTD Easting: 471300 Northing: 170400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2001 Issue No: 101 Version Start Date: 01/04/2000 Version End Date: -
2	66m E	Status: Historical Licence No: 28/39/22/0612 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: DARWIN CLOSE, WHITLEY, READING, BERKSHIRE Data Type: Point Name: CLEAN LINEN SERVICES LTD Easting: 471360 Northing: 170410	Annual Volume (m ³): 181840 Max Daily Volume (m ³): 655 Original Application No: - Original Start Date: 01/01/2002 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2002 Version End Date: -
A	307m SW	Status: Historical Licence No: 28/39/22/0578 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: THAMES GROUNDWATER Point: MADEJSKI STADIUM WELLPOINTS Data Type: Poly4 Name: READING FOOTBALL CLUB PLC Easting: 470520 Northing: 169900	Annual Volume (m ³): 189734 Max Daily Volume (m ³): 518.4 Original Application No: - Original Start Date: 08/06/1998 Expiry Date: 30/06/2008 Issue No: 100 Version Start Date: 08/06/1998 Version End Date: -
A	587m SW	Status: Active Licence No: 28/39/22/0644 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: THAMES GROUNDWATER Point: MADEJSKI STADIUM COMPLEX - 424 WELLPOINTS Data Type: Poly4 Name: READING FOOTBALL CLUB PLC Easting: 470720 Northing: 170020	Annual Volume (m ³): 189,735 Max Daily Volume (m ³): 518.40 Original Application No: WRW/A/1220 Original Start Date: 28/07/2008 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 28/07/2008 Version End Date: -
-	707m S	Status: Historical Licence No: 28/39/22/0614 Details: Process Water Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY - POINT 'E' Data Type: Point Name: Heineken UK Ltd Easting: 471100 Northing: 169650	Annual Volume (m ³): 3,000,000 Max Daily Volume (m ³): 9550 Original Application No: - Original Start Date: 01/01/2002 Expiry Date: 31/12/2011 Issue No: 4 Version Start Date: 23/11/2009 Version End Date: -



ID	Location	Details	
-	782m N	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'D' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470970 Northing: 171160	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	782m N	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH D' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470970 Northing: 171160	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	853m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH A' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470840 Northing: 171180	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	867m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'A' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470850 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	888m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH B' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470770 Northing: 171180	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -



ID	Location	Details	
-	905m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'B' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470770 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	911m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'H' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470660 Northing: 171130	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	911m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH H' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470660 Northing: 171130	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	979m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'C' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470680 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	979m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH C' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470680 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -



ID	Location	Details	
-	1020m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'G' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470610 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1020m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH G' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470610 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1155m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'F' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470380 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1155m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH F' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470380 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1214m W	Status: Historical Licence No: 28/39/22/0276 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: SMALLMEAD FARM, PINGEWOOD Data Type: Point Name: THE PRUDENTIAL ASSUR. COM. LTD Easting: 470090 Northing: 169930	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 09/01/1967 Expiry Date: - Issue No: 101 Version Start Date: 30/07/1999 Version End Date: -



ID	Location	Details	
-	1216m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'E' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470300 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1216m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH E' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470300 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1227m SW	Status: Historical Licence No: 28/39/22/0614 Details: Process Water Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY POINT 'D' Data Type: Point Name: Heineken UK Ltd Easting: 470740 Northing: 169220	Annual Volume (m ³): 3,000,000 Max Daily Volume (m ³): 9550 Original Application No: - Original Start Date: 01/01/2002 Expiry Date: 31/12/2011 Issue No: 4 Version Start Date: 23/11/2009 Version End Date: -
-	1262m SW	Status: Historical Licence No: 28/39/22/0556 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY POINT 'D' Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 470700 Northing: 169200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2001 Issue No: 100 Version Start Date: 09/05/2000 Version End Date: -
-	1290m S	Status: Historical Licence No: 28/39/22/0614 Details: Process Water Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY - POINT 'C' Data Type: Point Name: Heineken UK Ltd Easting: 470890 Northing: 169100	Annual Volume (m ³): 3,000,000 Max Daily Volume (m ³): 9550 Original Application No: - Original Start Date: 01/01/2002 Expiry Date: 31/12/2011 Issue No: 4 Version Start Date: 23/11/2009 Version End Date: -



ID	Location	Details	
-	1317m S	Status: Historical Licence No: 28/39/22/0556 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY POINT 'C' Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 470800 Northing: 169100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2001 Issue No: 100 Version Start Date: 09/05/2000 Version End Date: -
-	1341m W	Status: Active Licence No: 28/39/22/0463 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: PINGEWOOD BUSINESS ESTATE, SMALLMEAD ROAD, READING Data Type: Point Name: KENNET VALLEY PARK LTD Easting: 469900 Northing: 170180	Annual Volume (m ³): 6,819 Max Daily Volume (m ³): 22.73 Original Application No: - Original Start Date: 29/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	1341m W	Status: Active Licence No: 28/39/22/0463 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: PINGEWOOD BUSINESS ESTATE, SMALLMEAD ROAD, READING Data Type: Point Name: KENNET VALLEY PARK LTD Easting: 469900 Northing: 170180	Annual Volume (m ³): 6,819 Max Daily Volume (m ³): 22.73 Original Application No: - Original Start Date: 29/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	1358m S	Status: Historical Licence No: 28/39/22/0614 Details: Process Water Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY - POINT 'A' Data Type: Point Name: Heineken UK Ltd Easting: 471130 Northing: 168990	Annual Volume (m ³): 3,000,000 Max Daily Volume (m ³): 9550 Original Application No: - Original Start Date: 01/01/2002 Expiry Date: 31/12/2011 Issue No: 4 Version Start Date: 23/11/2009 Version End Date: -



ID	Location	Details	
-	1451m S	Status: Historical Licence No: 28/39/22/0556 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: BERKSHIRE BREWERY POINT 'A' Data Type: Point Name: SCOTTISH COURAGE BREWING LTD Easting: 471100 Northing: 168900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2001 Issue No: 100 Version Start Date: 09/05/2000 Version End Date: -
-	1503m S	Status: Historical Licence No: 28/39/22/0601 Details: Make-Up or Top Up Water Direct Source: THAMES GROUNDWATER Point: READING INTERNATIONAL BUSINESS PARK Data Type: Point Name: AKELER DEVELOPMENTS LTD Easting: 471320 Northing: 168840	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/11/2000 Expiry Date: - Issue No: 1 Version Start Date: 10/11/2000 Version End Date: -
-	1719m SW	Status: Historical Licence No: 28/39/22/0166 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: HARTLEY COURT FARM, THREE MILE CROSS Data Type: Point Name: HEWISON Easting: 470300 Northing: 168900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/11/1985 Version End Date: -
-	1837m W	Status: Historical Licence No: 28/39/22/0432 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: SEB COTTAGE LANE, BURGHFIELD Data Type: Point Name: SOUTHERN ELECTRICITY BOARD Easting: 469400 Northing: 170500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/07/1976 Expiry Date: - Issue No: 100 Version Start Date: 28/07/1976 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

7

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 84**

ID	Location	Details	
-	949m NW	Status: Historical Licence No: 28/39/22/0527 Details: Fish Farm/Cress Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOBNEY FISH FARM INTAKES Data Type: Line Name: ENVIRONMENT AGENCY Easting: 470420 Northing: 171140	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/08/1993 Version End Date: -
-	949m NW	Status: Historical Licence No: 28/39/22/0527 Details: Fish Farm/Cress Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: KENNET AND AVON CANAL AT FOBNEY FISH FARM INTAKES Data Type: Line Name: ENVIRONMENT AGENCY Easting: 470420 Northing: 171140	Annual Volume (m ³): 2382154 Max Daily Volume (m ³): 12730 Original Application No: - Original Start Date: 11/08/1993 Expiry Date: - Issue No: 100 Version Start Date: 11/08/1993 Version End Date: -
-	956m NW	Status: Historical Licence No: 28/39/22/0527 Details: Fish Farm/Cress Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: KENNET AND AVON CANAL AT FOBNEY FISH FARM INTAKES Data Type: Line Name: ENVIRONMENT AGENCY Easting: 470460 Northing: 171130	Annual Volume (m ³): - Max Daily Volume (m ³): 5000 Original Application No: - Original Start Date: 11/08/1993 Expiry Date: 31/03/2011 Issue No: 101 Version Start Date: 10/10/2006 Version End Date: -
-	1216m NW	Status: Historical Licence No: 28/39/22/0435 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOBNEY WATERWORKS INTAKE Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470300 Northing: 171200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1977 Expiry Date: - Issue No: 100 Version Start Date: 05/04/1977 Version End Date: -



ID	Location	Details	
-	1216m NW	Status: Active Licence No: 28/39/22/0435 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: KENNET AND AVON CANAL AT FOBNEY WATERWORKS INTAKE Data Type: Point Name: Thames Water Utilities Ltd Easting: 470300 Northing: 171200	Annual Volume (m ³): 26,621,933 Max Daily Volume (m ³): 72,737.52 Original Application No: S228 Original Start Date: 05/04/1977 Expiry Date: - Issue No: 100 Version Start Date: 05/04/1977 Version End Date: -
-	1333m SW	Status: Historical Licence No: 28/39/22/0232 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOUdry BROOK AT HARTLEY COURT FARM Data Type: Line Name: Hewison Farms limited Easting: 470200 Northing: 168600	Annual Volume (m ³): 18184 Max Daily Volume (m ³): 681.91 Original Application No: - Original Start Date: 14/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2016 Version End Date: -
-	1681m SW	Status: Historical Licence No: 28/39/22/0232 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BURGFIELD BROOK AT HARTLEY COURT FARM Data Type: Line Name: Hewison Farms limited Easting: 469500 Northing: 168800	Annual Volume (m ³): 18184 Max Daily Volume (m ³): 681.91 Original Application No: - Original Start Date: 14/11/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2016 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

20

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 84**



ID	Location	Details	
-	782m N	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'D' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470970 Northing: 171160	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	782m N	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH D' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470970 Northing: 171160	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	853m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH A' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470840 Northing: 171180	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	867m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'A' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470850 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	888m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH B' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470770 Northing: 171180	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -



ID	Location	Details	
-	905m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'B' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470770 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	911m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'H' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470660 Northing: 171130	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	911m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH H' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470660 Northing: 171130	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	979m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'C' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470680 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	979m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH C' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470680 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -

ID	Location	Details	
-	1020m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'G' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470610 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1020m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH G' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470610 Northing: 171230	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1155m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'F' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470380 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1155m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH F' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470380 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1216m NW	Status: Historical Licence No: 28/39/22/0435 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOBNEY WATERWORKS INTAKE Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470300 Northing: 171200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1977 Expiry Date: - Issue No: 100 Version Start Date: 05/04/1977 Version End Date: -

ID	Location	Details	
-	1216m NW	Status: Historical Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION BH 'E' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 470300 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30000 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/06/1998 Version End Date: -
-	1216m NW	Status: Active Licence No: 28/39/22/0132 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: FOBNEY PUMPING STATION 'BH E' Data Type: Point Name: Thames Water Utilities Ltd Easting: 470300 Northing: 171200	Annual Volume (m ³): 1,500,000 Max Daily Volume (m ³): 30,000 Original Application No: NPS/WR/008557 Original Start Date: 05/09/1966 Expiry Date: 31/03/2023 Issue No: 101 Version Start Date: 01/01/2013 Version End Date: -
-	1216m NW	Status: Active Licence No: 28/39/22/0435 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: KENNET AND AVON CANAL AT FOBNEY WATERWORKS INTAKE Data Type: Point Name: Thames Water Utilities Ltd Easting: 470300 Northing: 171200	Annual Volume (m ³): 26,621,933 Max Daily Volume (m ³): 72,737.52 Original Application No: S228 Original Start Date: 05/04/1977 Expiry Date: - Issue No: 100 Version Start Date: 05/04/1977 Version End Date: -
-	1341m W	Status: Active Licence No: 28/39/22/0463 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: PINGEWOOD BUSINESS ESTATE, SMALLMEAD ROAD, READING Data Type: Point Name: KENNET VALLEY PARK LTD Easting: 469900 Northing: 170180	Annual Volume (m ³): 6,819 Max Daily Volume (m ³): 22.73 Original Application No: - Original Start Date: 29/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1837m W	Status: Historical Licence No: 28/39/22/0432 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: SEB COTTAGE LANE, BURGHFIELD Data Type: Point Name: SOUTHERN ELECTRICITY BOARD Easting: 469400 Northing: 170500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/07/1976 Expiry Date: - Issue No: 100 Version Start Date: 28/07/1976 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

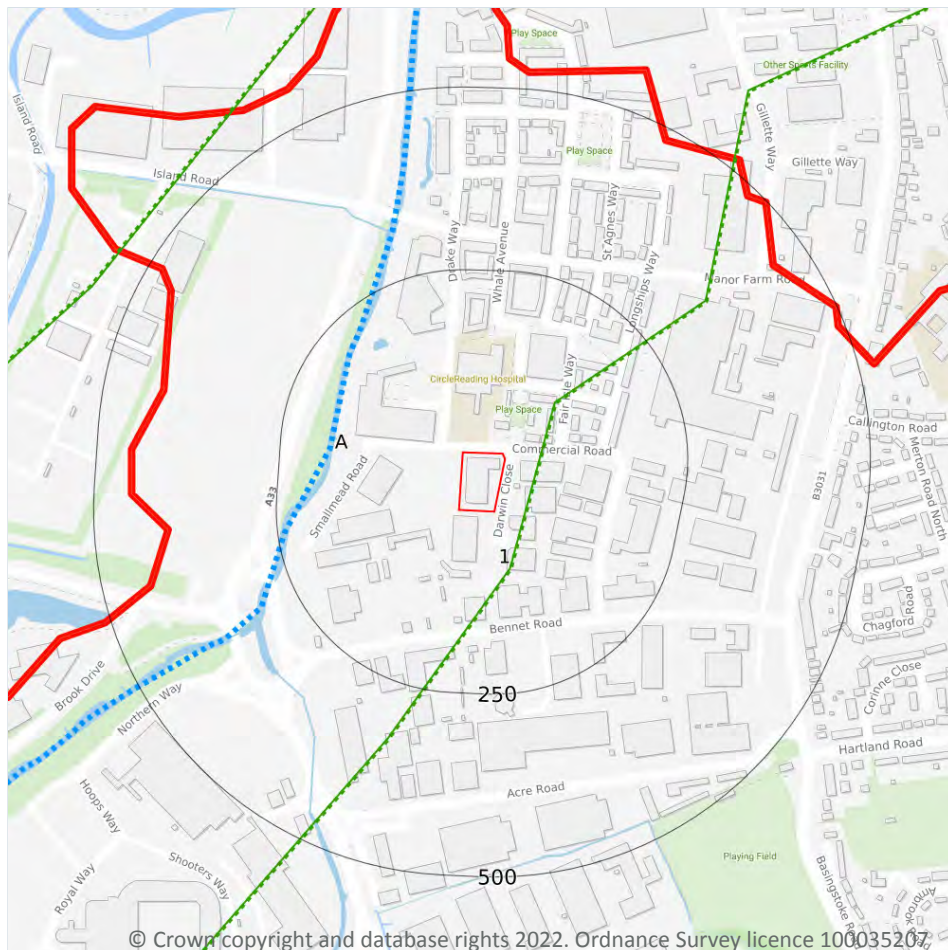
5.10 Source Protection Zones (confined aquifer)

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

1

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

Features are displayed on the Hydrology map on **page 99**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	179m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Foudry Brook

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

2

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.

Features are displayed on the Hydrology map on **page 99**

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 99**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Foudry Brook (West End Brook to M4)	GB106039017380	Kennet	Kennet and Trib

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 99**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	179m W	River	Foudry Brook (West End Brook to M4)	GB106039017380	Poor	Fail	Poor	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.

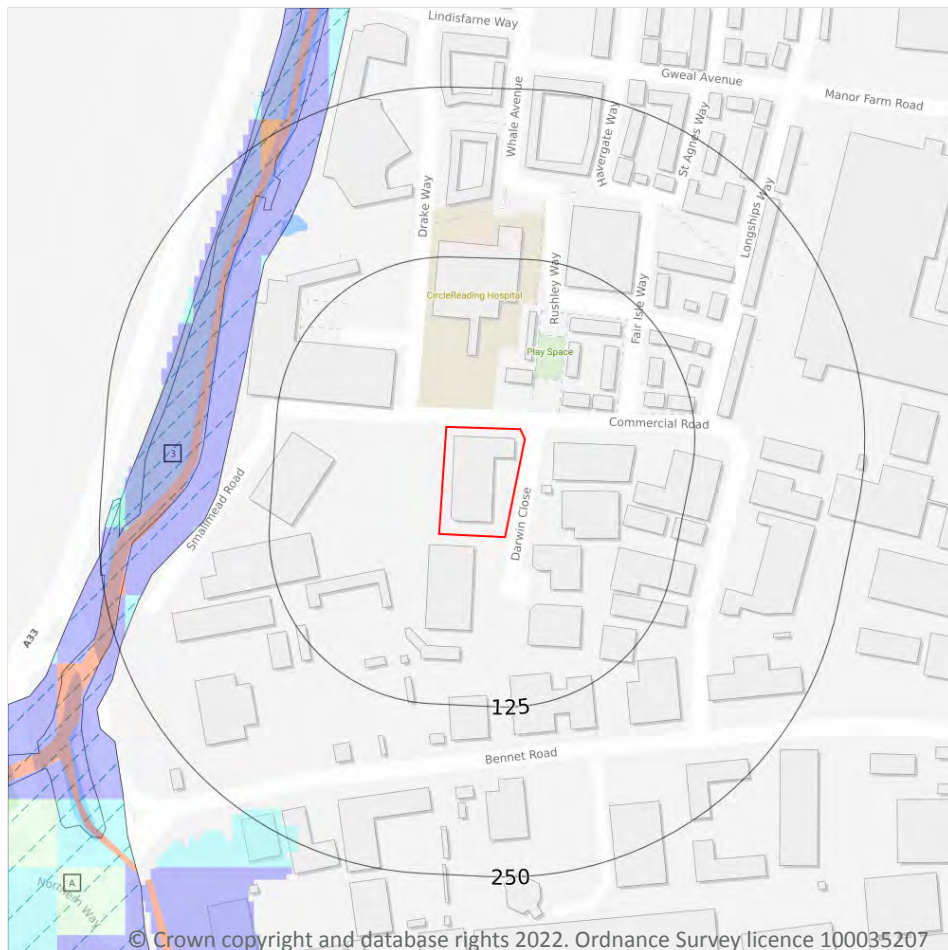
Features are displayed on the Hydrology map on **page 99**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Thatcham Tertiaries	<u>GB40602G601600</u>	Good	Good	Good	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

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

2

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.

Features are displayed on the River and coastal flooding map on **page 102**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
A	155m W	06junesummer1971	1971-01-01 1971-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
3	175m W	06januarynewyear2003	2002-12-23 2003-01-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

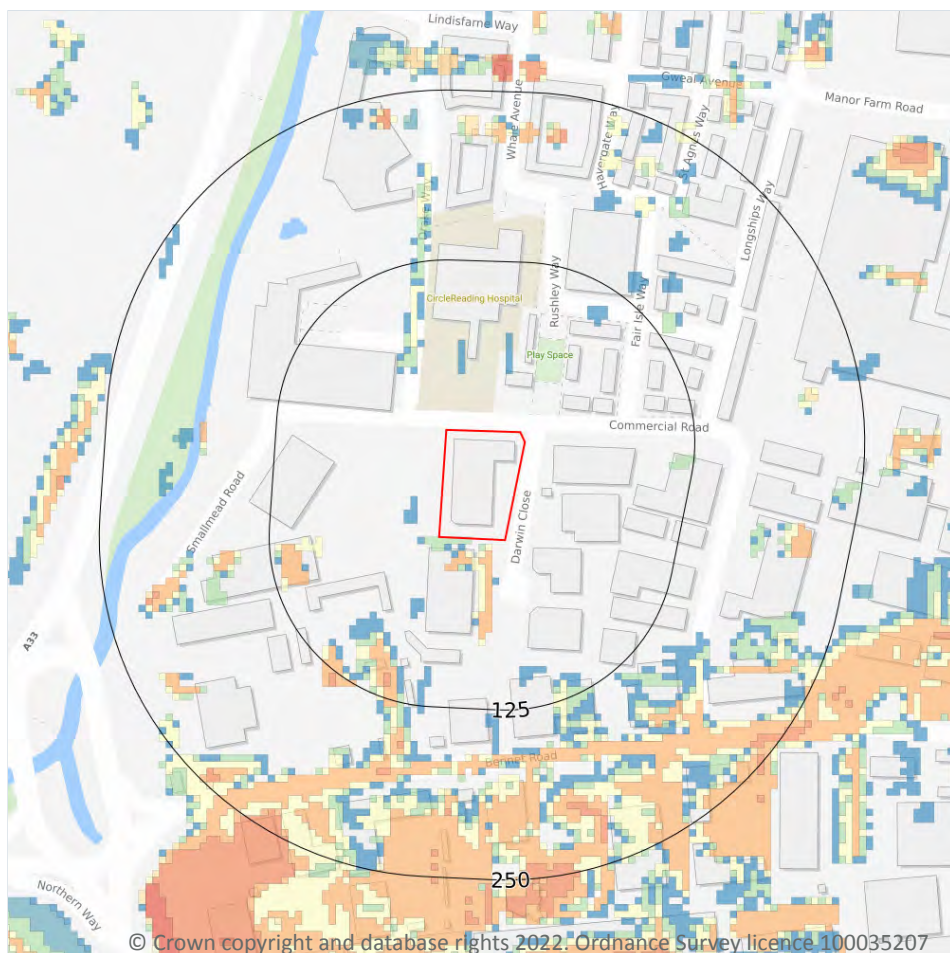
0

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

1 in 250 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 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 106**

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.

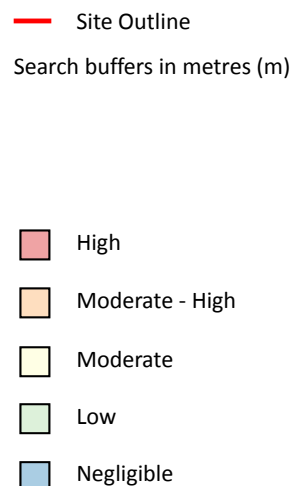
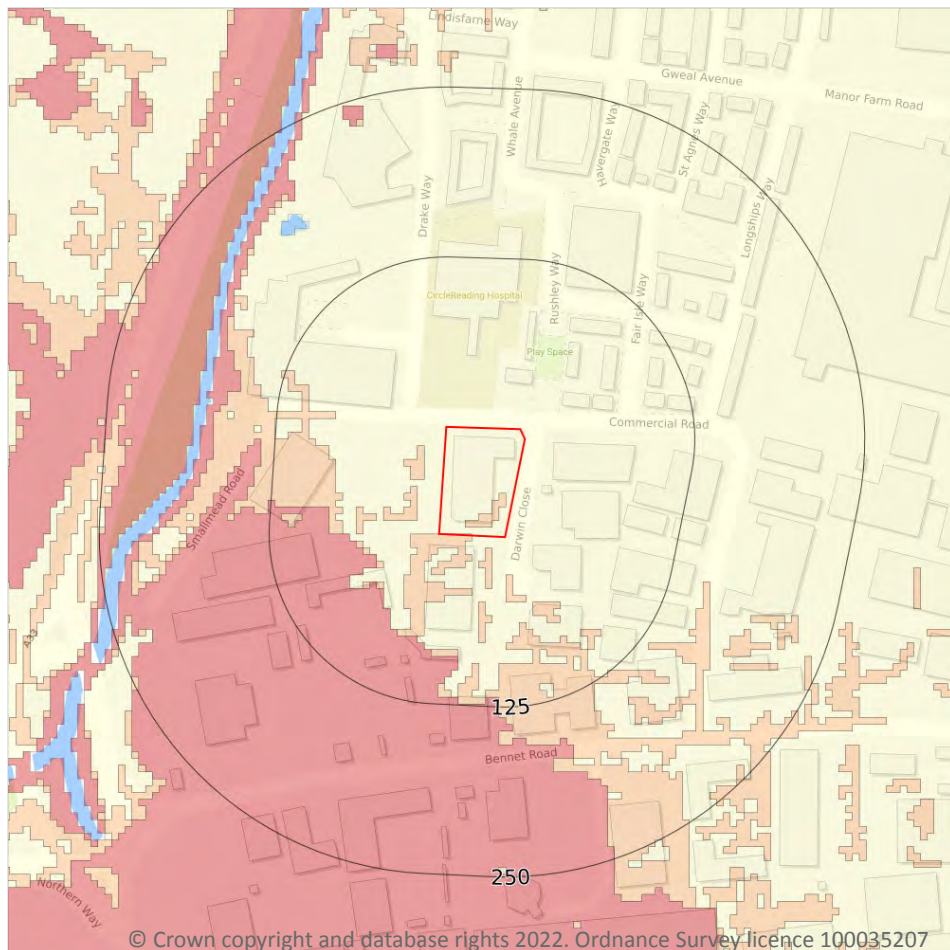
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate-High

Highest risk within 50m

High

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 108**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

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**0**

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.

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

10.7 Designated Ancient Woodland

Records within 2000m**3**

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 109**

ID	Location	Name	Woodland Type
-	1681m SE	(Tithe Map: Little Whitley Wood Coppice)(tithe:little Whitley Wood Coppice)	Ancient & Semi-Natural Woodland
-	1710m SE	(Tithe Map: Great Whitley Wood Coppice)(tithe:great Whitley Wood Coppice)	Ancient & Semi-Natural Woodland
-	1755m SE	Nores Hill (Tithe Map: Nores Hill Coppice)(tithe:noves Hill Coppice)	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**0**

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

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**1**

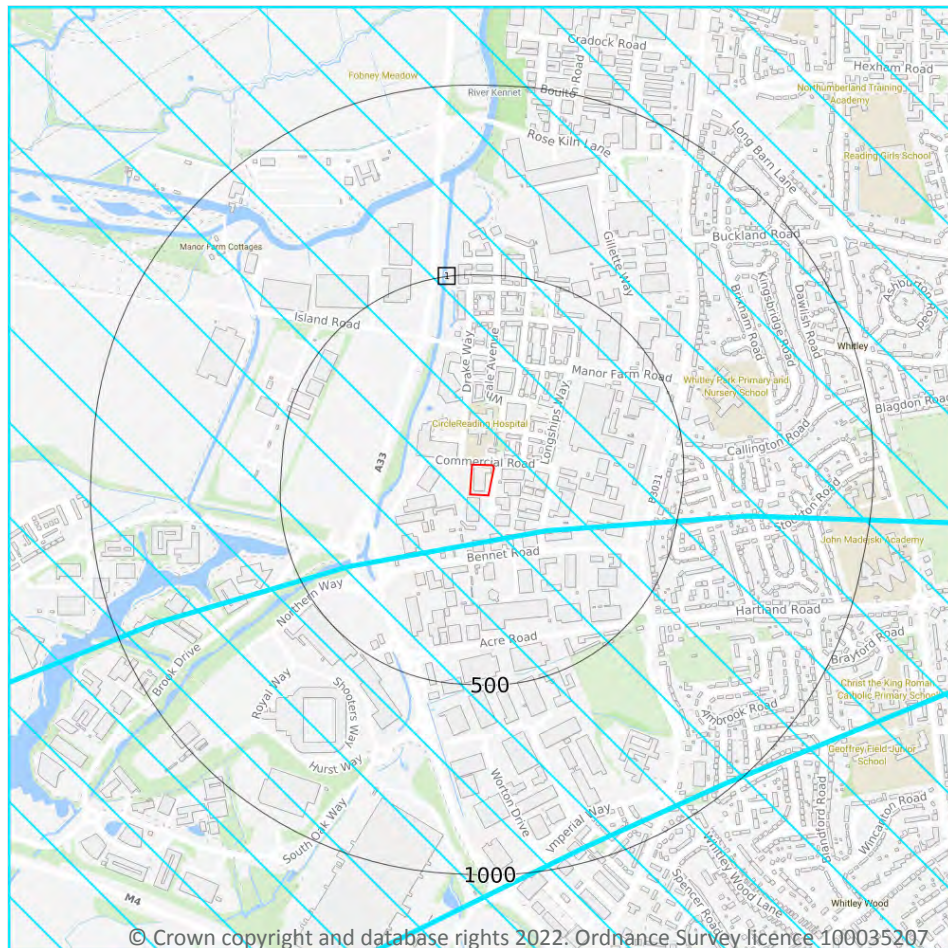
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Foudry Brook (West End Brook to M4) NVZ	Surface Water	459	Existing

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



SSSI Impact Zones and Units



- 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 114**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². 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.



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

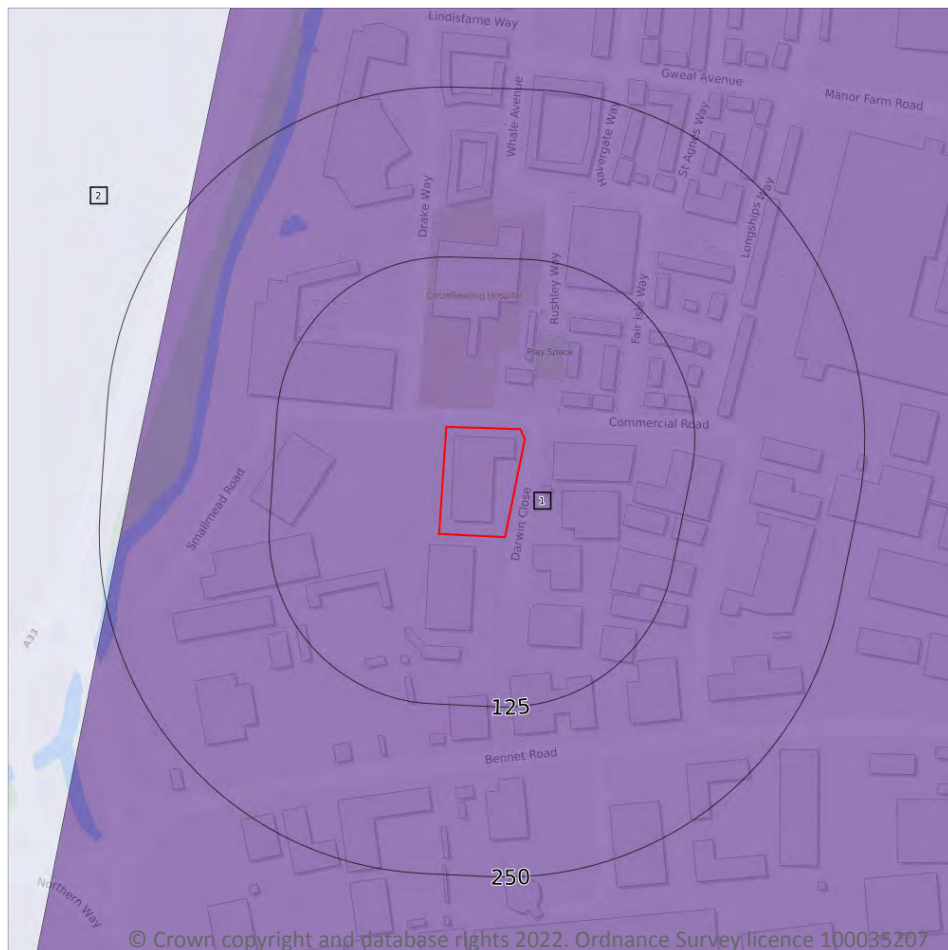
0

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 118**

ID	Location	Classification	Description
1	On site	Urban	-



ID	Location	Classification	Description
2	219m W	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

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.

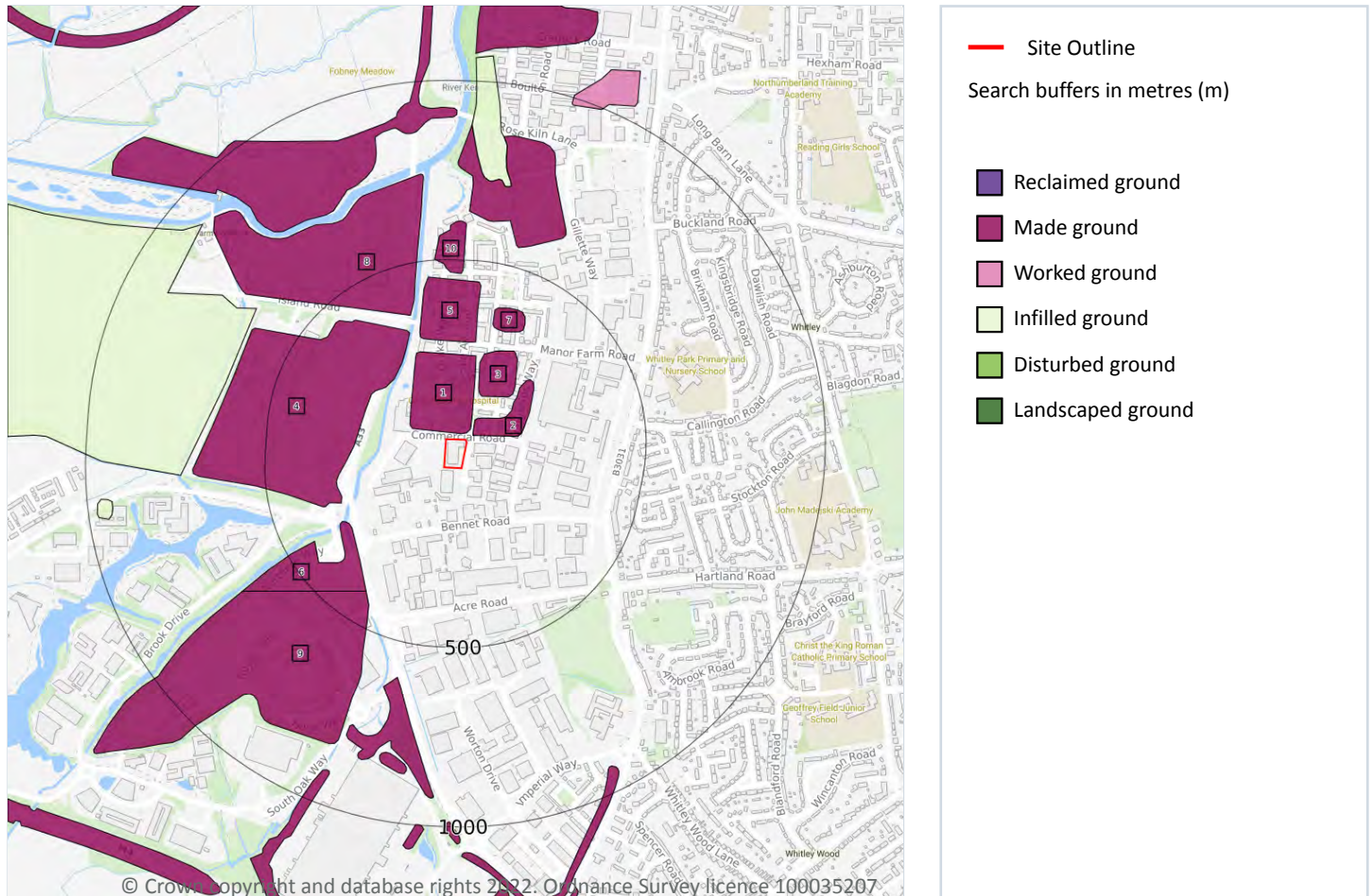
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 122**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU77SW
2	343m S	Full	Full	Full	No coverage	SU76NW

This data is sourced from the British Geological Survey.



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



14.2 Artificial and made ground (10k)

Records within 500m

10

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 123**

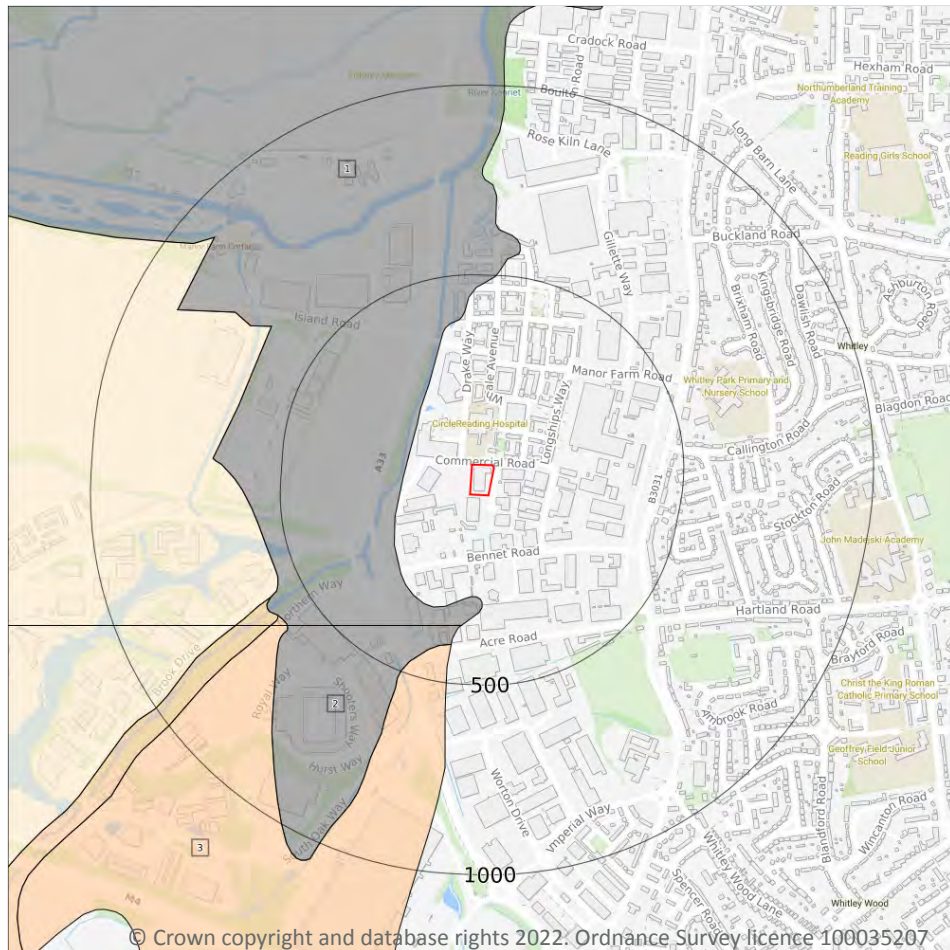
ID	Location	LEX Code	Description	Rock description
1	16m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	24m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	130m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	221m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	272m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	307m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	320m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	359m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	408m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	463m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



14.3 Superficial geology (10k)

Records within 500m

3

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 125**

ID	Location	LEX Code	Description	Rock description
1	167m W	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
2	346m S	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
3	398m S	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

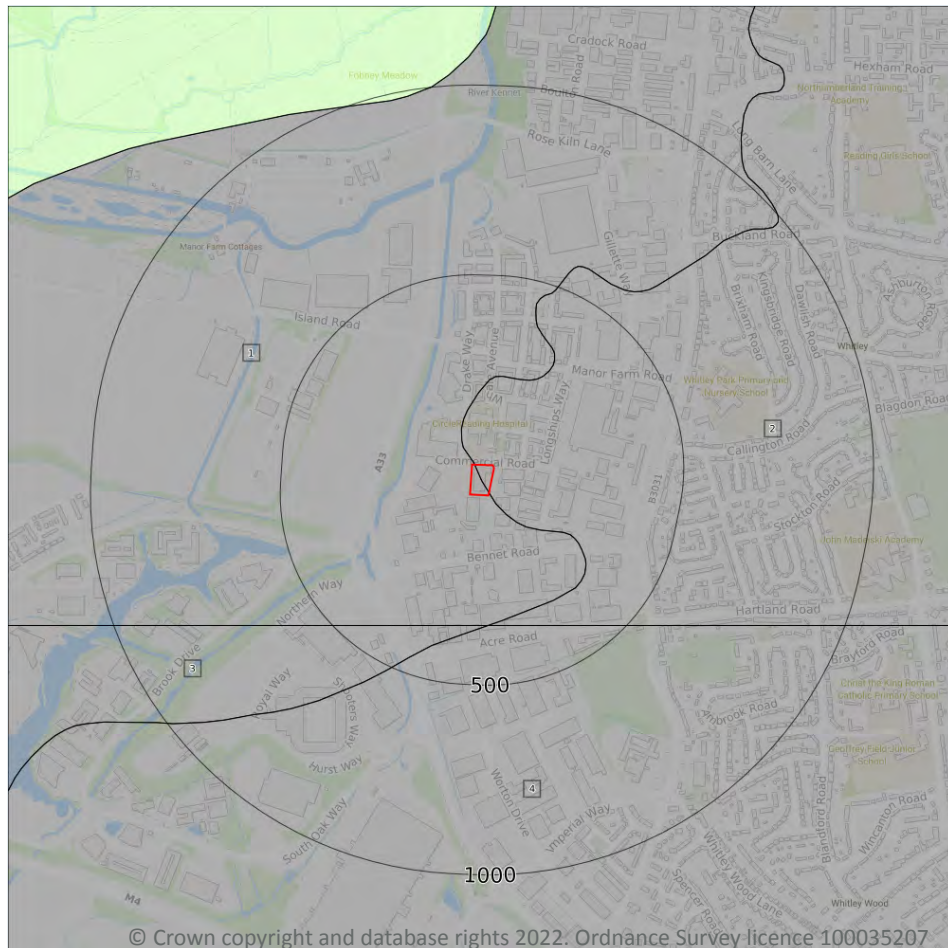
0

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

4

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 127**

ID	Location	LEX Code	Description	Rock age
1	On site	LMBE-CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch
2	On site	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
3	343m S	LMBE-CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch



ID	Location	LEX Code	Description	Rock age
4	343m S	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene 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.



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☐ Geological map tile

129

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

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

Date: 28 April 2022

ID	Location	LEX Code	Description	Rock description
5	471m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

1

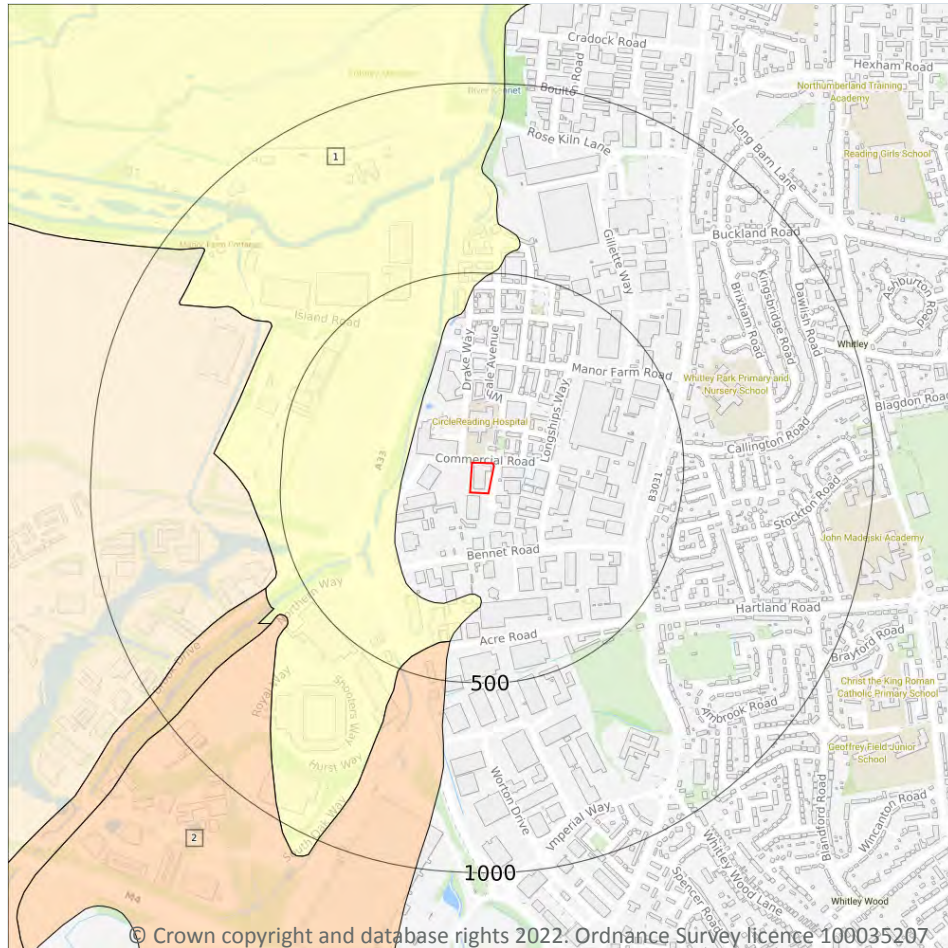
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
26m N	Mixed	Very High	Low

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

2

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 132**

ID	Location	LEX Code	Description	Rock description
1	168m W	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	396m S	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial 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 superficial deposits (the zone between the land surface and the water table).

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

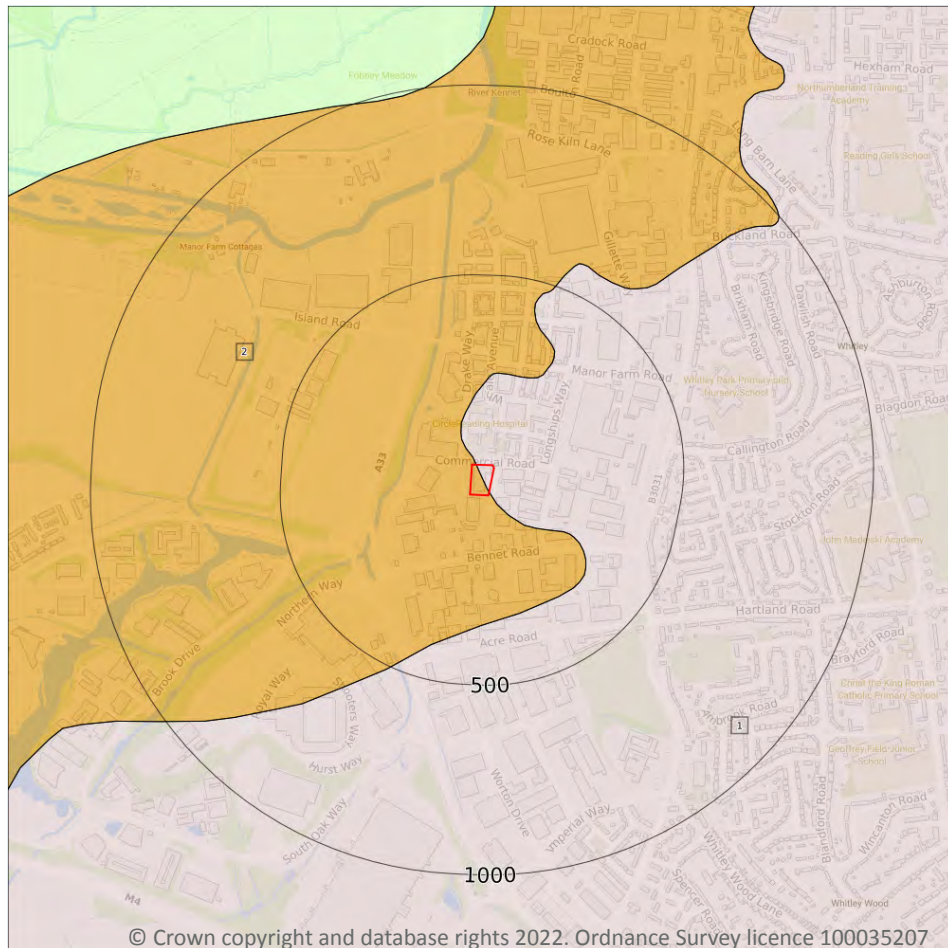
0

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

2

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 134**

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN
2	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
On site	Mixed	Moderate	Very Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

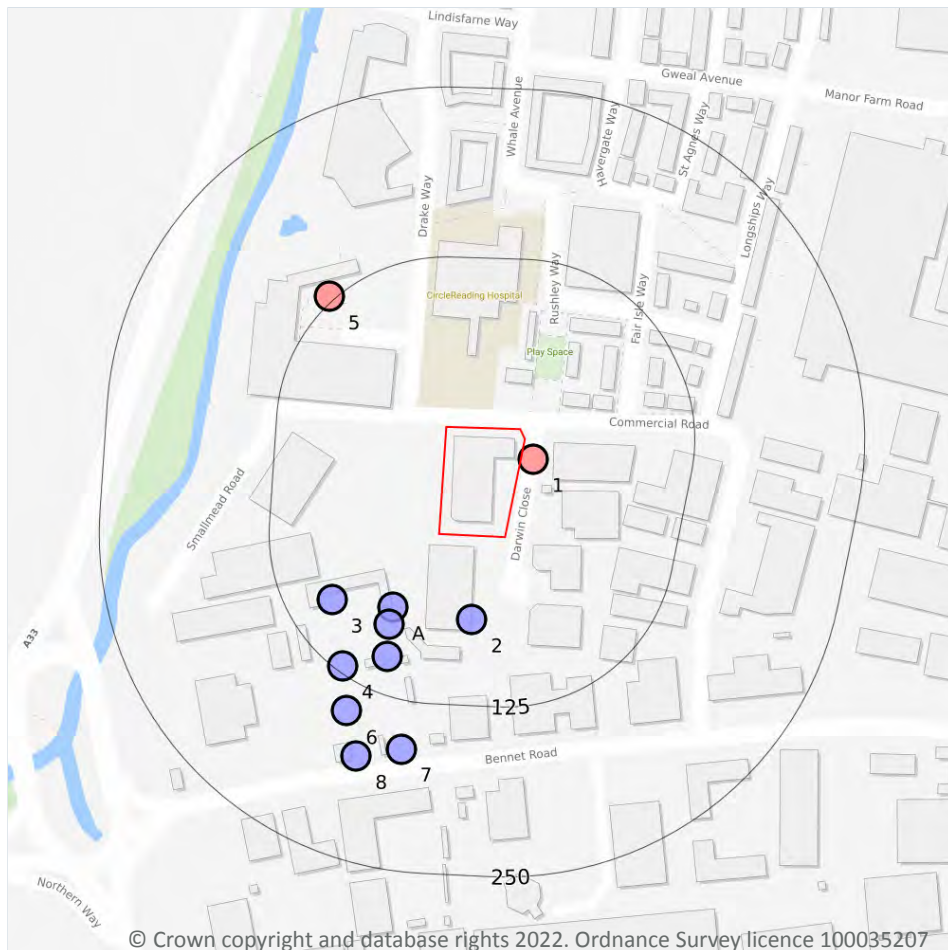
Records within 500m**0**

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



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

11

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.

Features are displayed on the Boreholes map on **page 136**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	9m E	471300 170400	38 WILTON ROAD WHITLEY	76.0	N	428228
2	62m S	471255 170282	DARWIN CLOSE READING 1	5.0	N	15622133
A	64m SW	471197 170291	DARWIN CLOSE READING 2	5.0	N	15622134

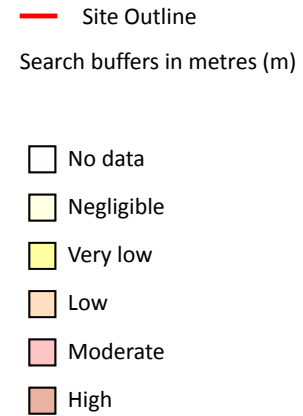
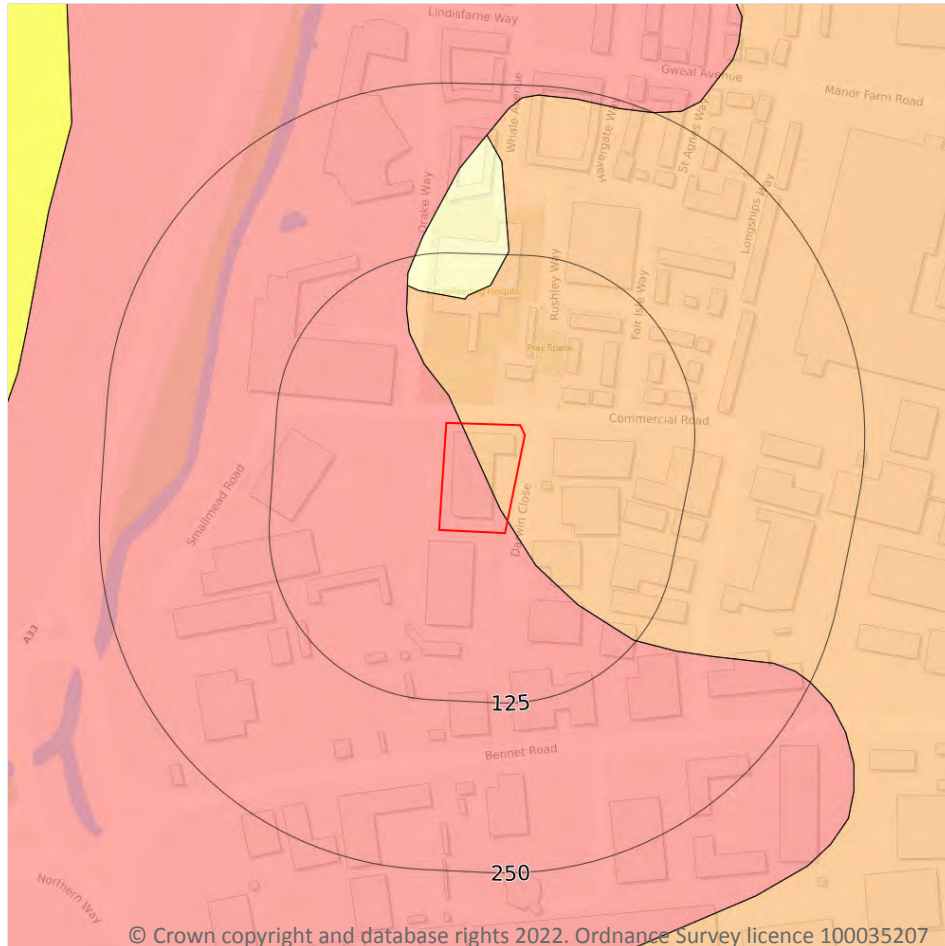


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	76m SW	471194 170279	DARWIN CLOSE READING TP 7	0.45	N	15622142
3	92m SW	471152 170297	DARWIN CLOSE READING TP 6	2.5	N	15622141
A	98m SW	471193 170255	DARWIN CLOSE READING TP 5	2.6	N	15622140
4	120m SW	471160 170248	DARWIN CLOSE READING TP 4	2.5	N	15622139
5	129m NW	471150 170520	SMALLMEAD OBH READING	70.0	N	428214
6	147m SW	471163 170215	DARWIN CLOSE READING TP 3	3.0	N	15622138
7	161m S	471203 170187	DARWIN CLOSE READING TP 1	3.2	N	15622135
8	174m S	471170 170182	DARWIN CLOSE READING TP 2	2.2	N	15622137

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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).

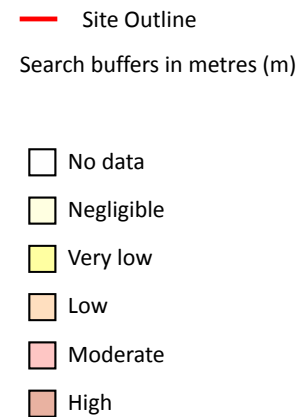
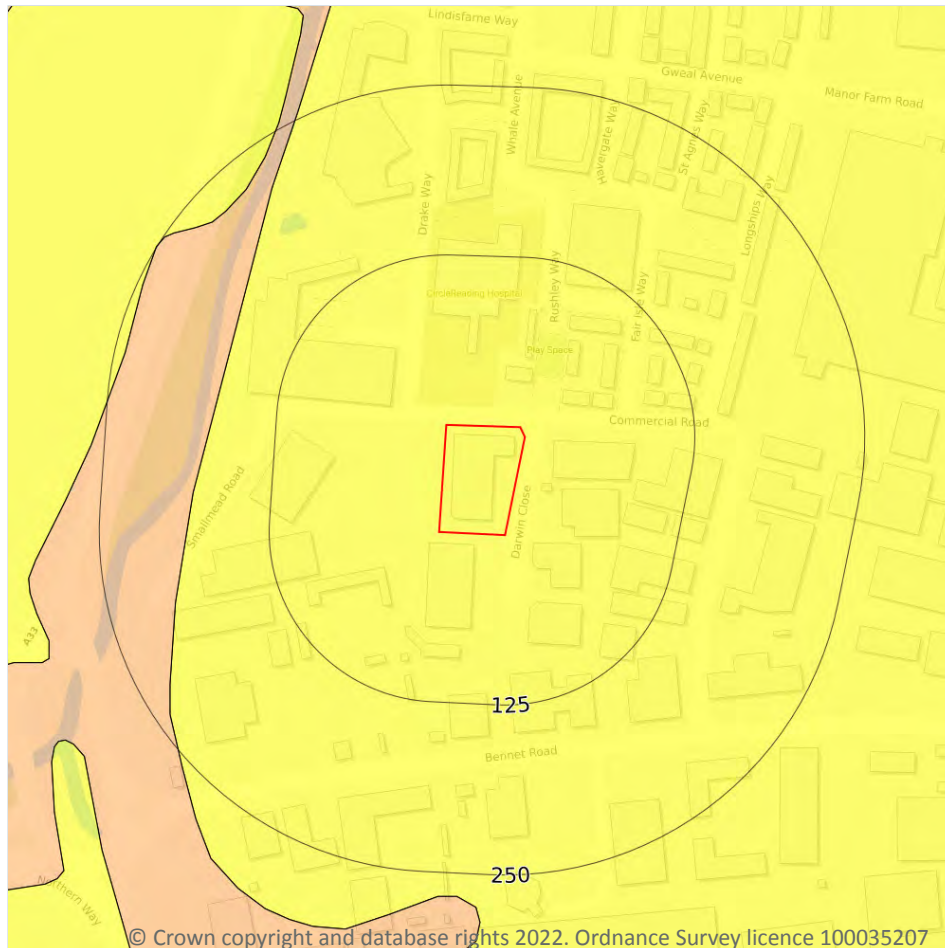
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 138**

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.
On site	Moderate	Ground conditions predominantly high plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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.

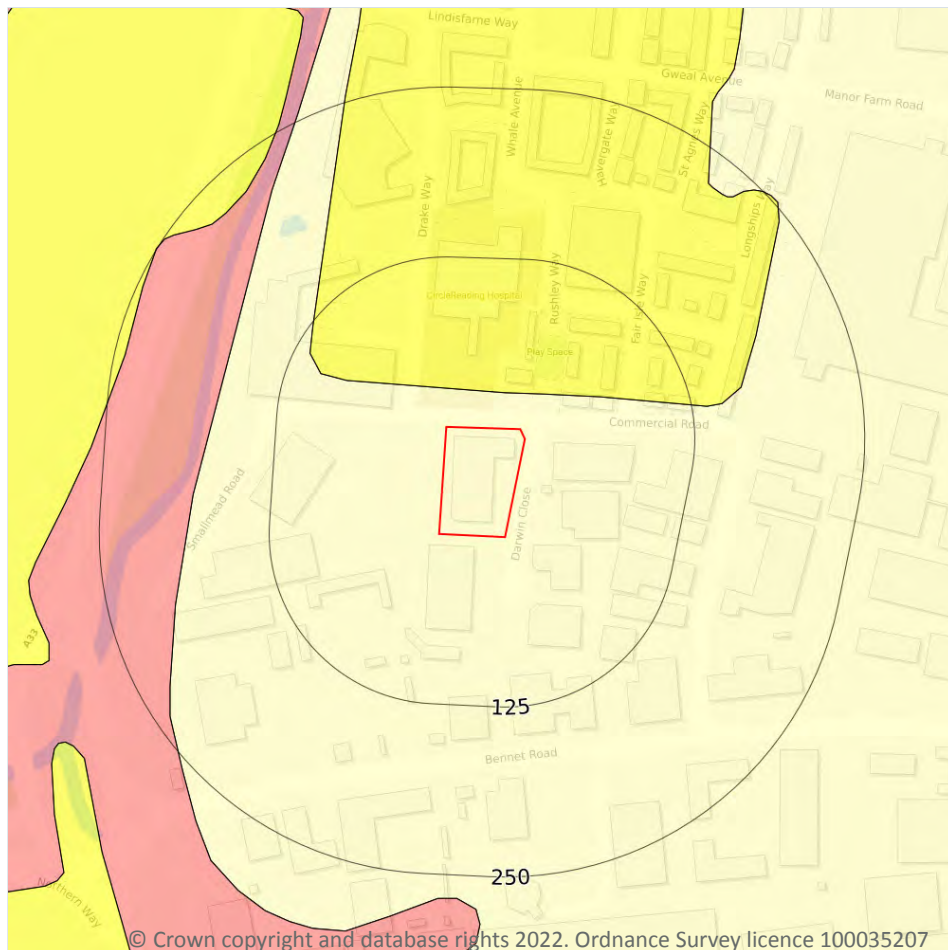
Features are displayed on the Natural ground subsidence - Running sands map on **page 139**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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 140**

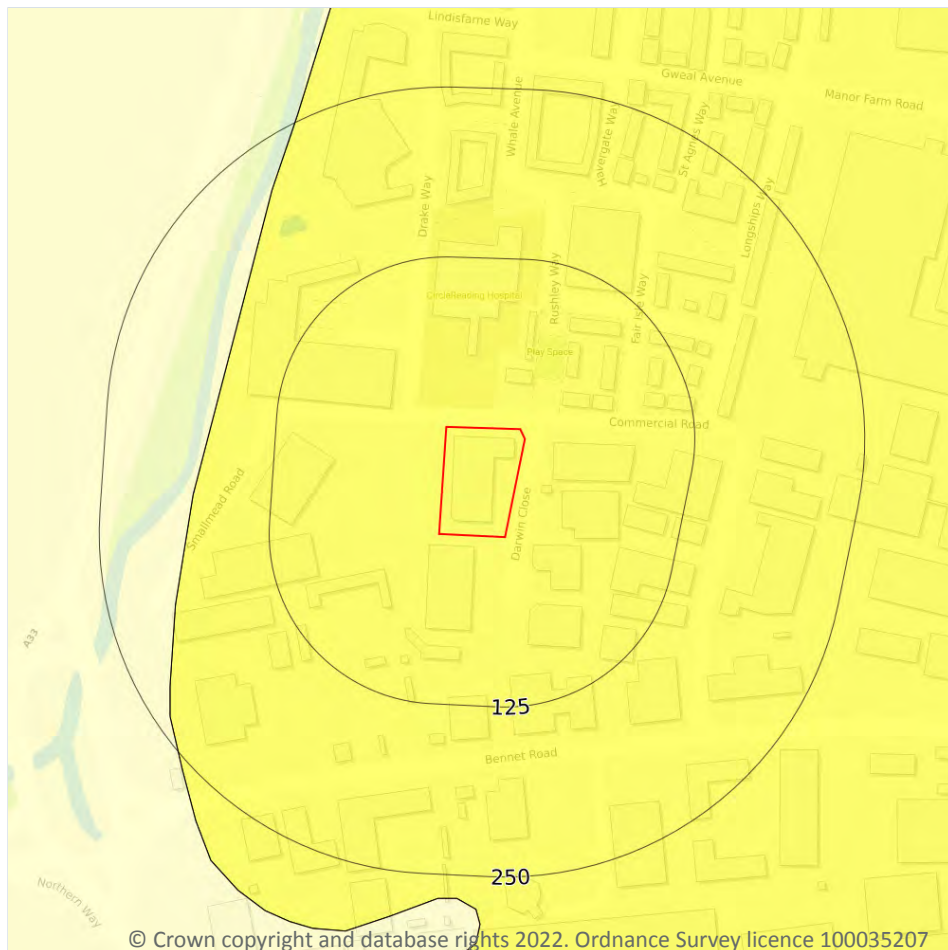
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
26m N	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



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

1

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.

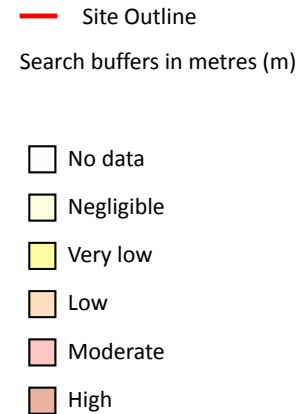
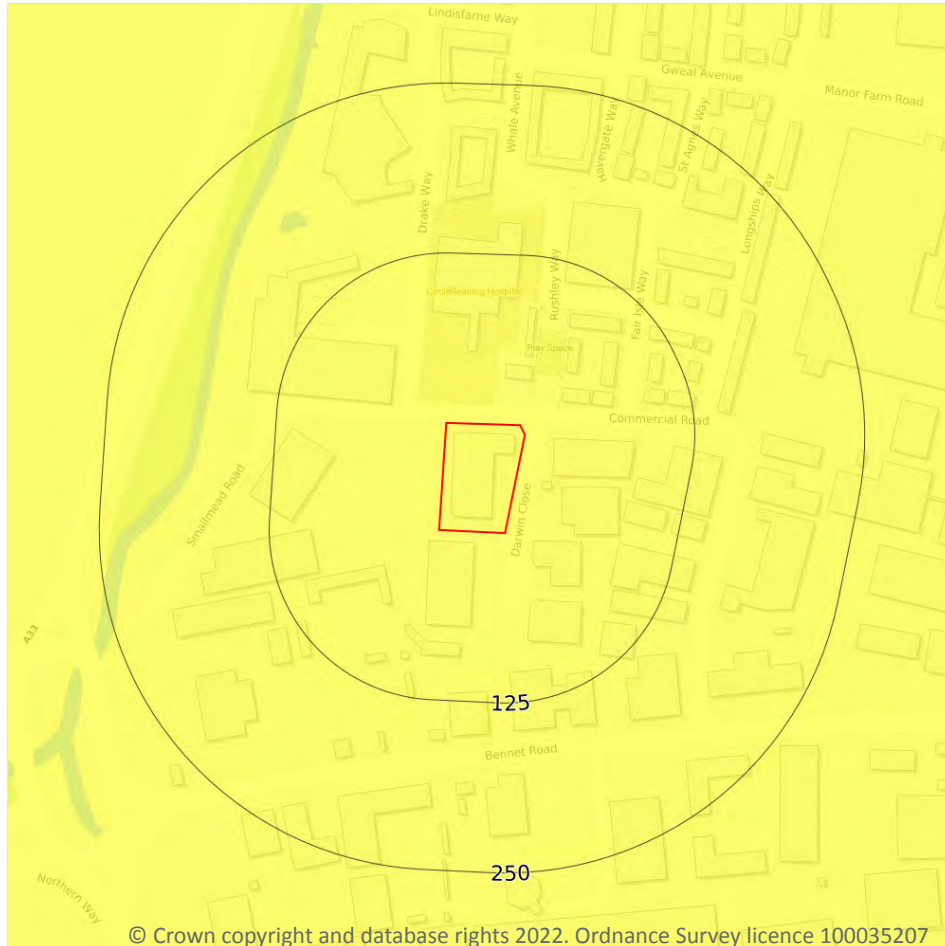
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 142**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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.

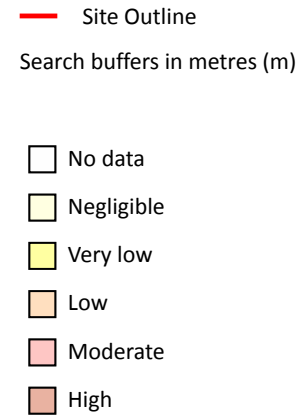
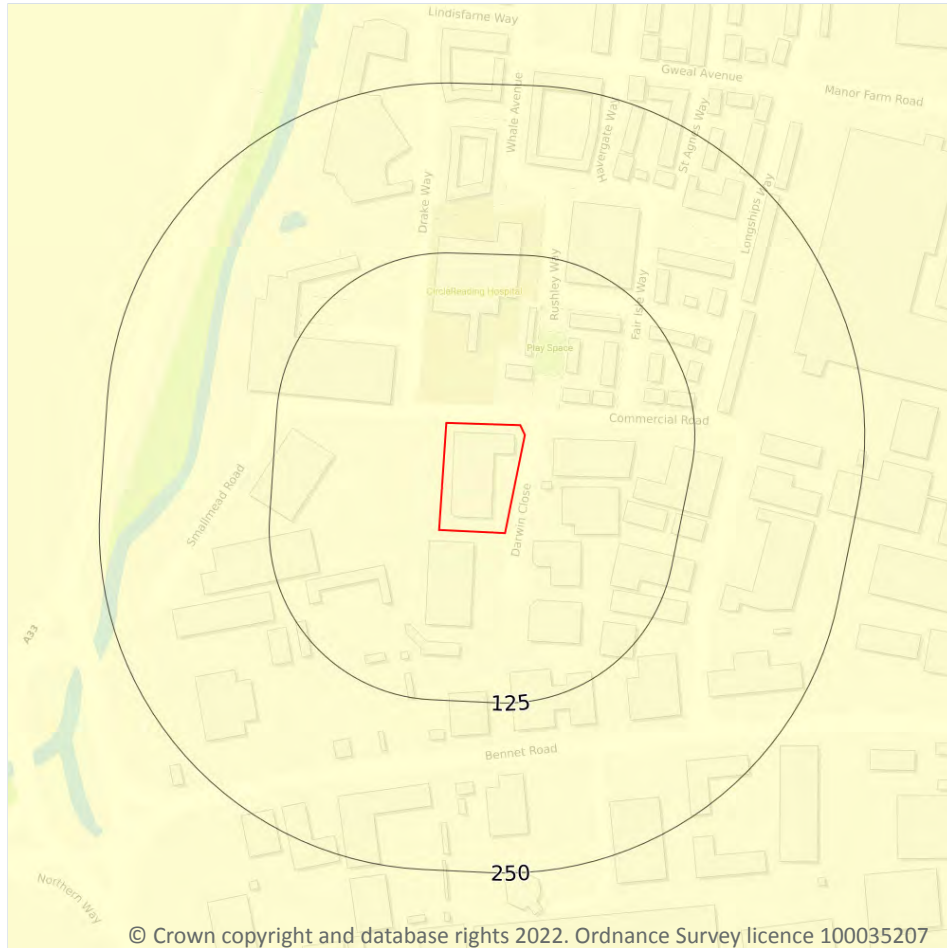
Features are displayed on the Natural ground subsidence - Landslides map on **page 143**

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.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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.

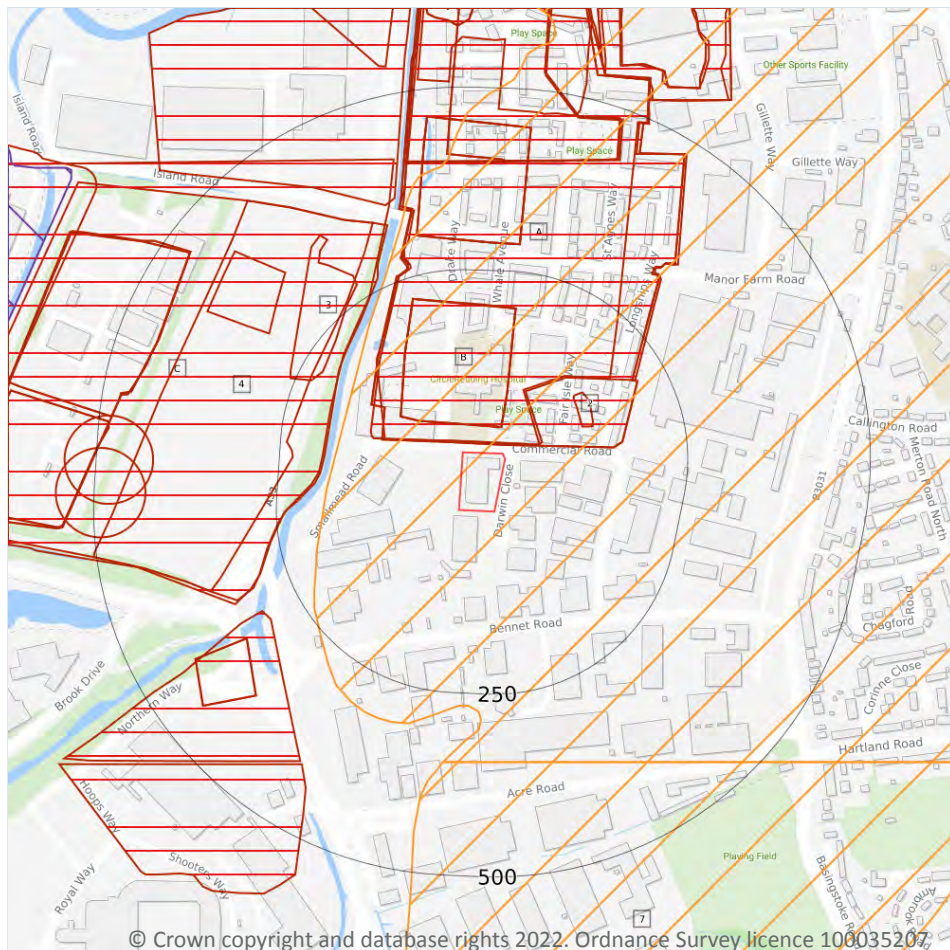
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 144**

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.

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

12

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 146**

ID	Location	Land Use	Year of mapping	Mapping scale
A	12m N	Sewage Works	1989	1:10000
A	12m N	Sewage Works	1994	1:10000
A	15m N	Sewage Purification Works	1977	1:10000
A	15m N	Sewage Purification Works	1971	1:10000
B	36m N	Filter Bed	1989	1:10000
B	36m N	Filter Bed	1977	1:10000
B	36m N	Filter Bed	1994	1:10000
2	115m NE	Unspecified Heap	1962	1:10560
C	186m W	Sewage Farm	1971	1:10000
C	188m W	Sewage Farm	1898	1:10560
3	221m NW	Unspecified Heap	1962	1:10560
4	231m W	Refuse Heap	1971	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 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

2

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 146**

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
7	343m S	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

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

1

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.

Features are displayed on the Mining, ground workings and natural cavities map on **page 146**

ID	Location	Mine Address	Mineral	Data source	Publisher
-	984m N	Rose Kiln, Reading, Berkshire	Chalk	The Brick-making Industry in Reading: A Temporal & Spatial Analysis	Undergraduate Dissertation, University of Reading

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

1

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

Location	Details
On site	Whilst outside of an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) may have information such as mining plans and maps held within their archive that have occurred within 1km of this property. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk .

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
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

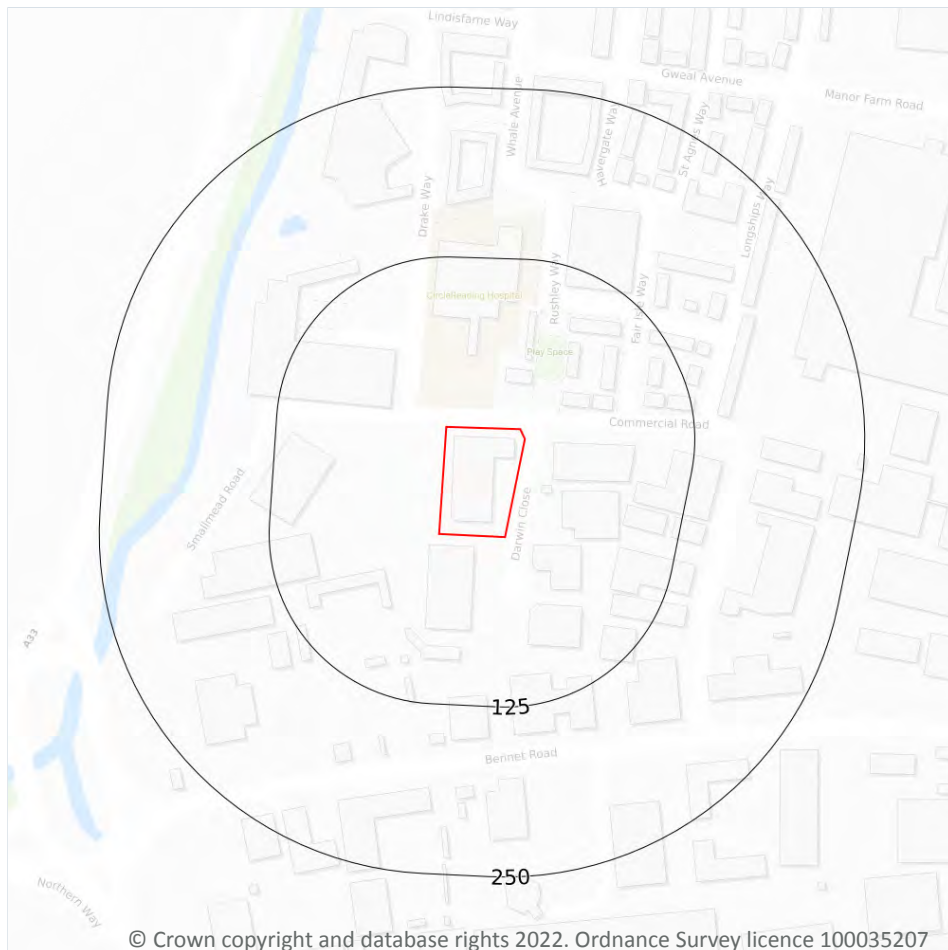
18.13 Clay mining

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



— Site Outline
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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 151**

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

2

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 km². 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 km²; 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 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 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 km²).

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 km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)**
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- C2 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

2

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 153**

Location	Land Use	Year of mapping	Mapping scale
130m W	Tramway Sidings	1913	10560
132m W	Tramway Sidings	1911	2500

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

0

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

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**0**

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.

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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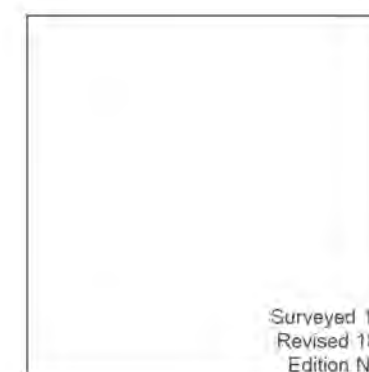
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Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1872

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A

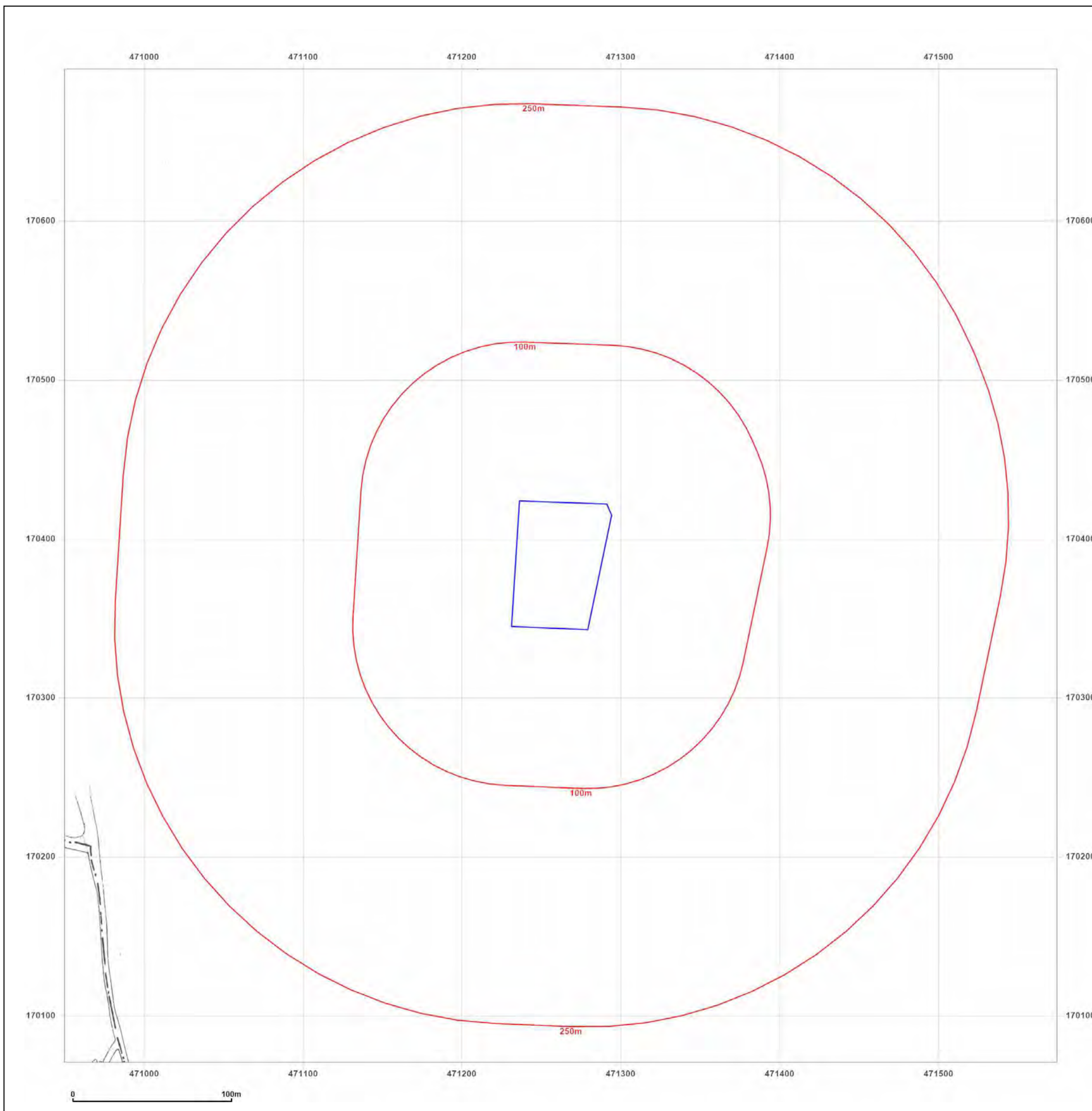


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1877

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1877
Revised 1877
Edition N/A
Copyright N/A
Levelled N/A

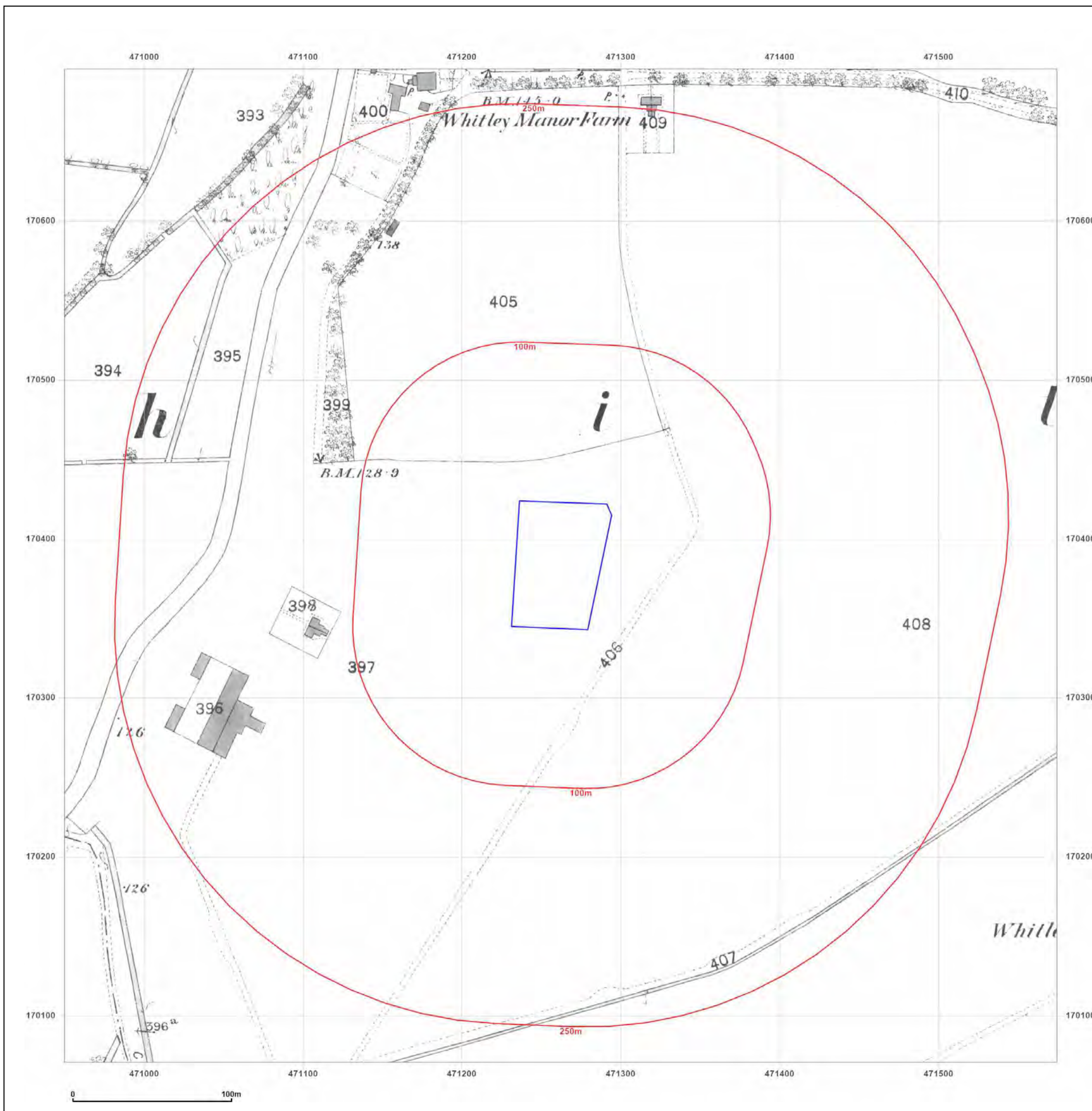


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Site Details:

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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1899

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

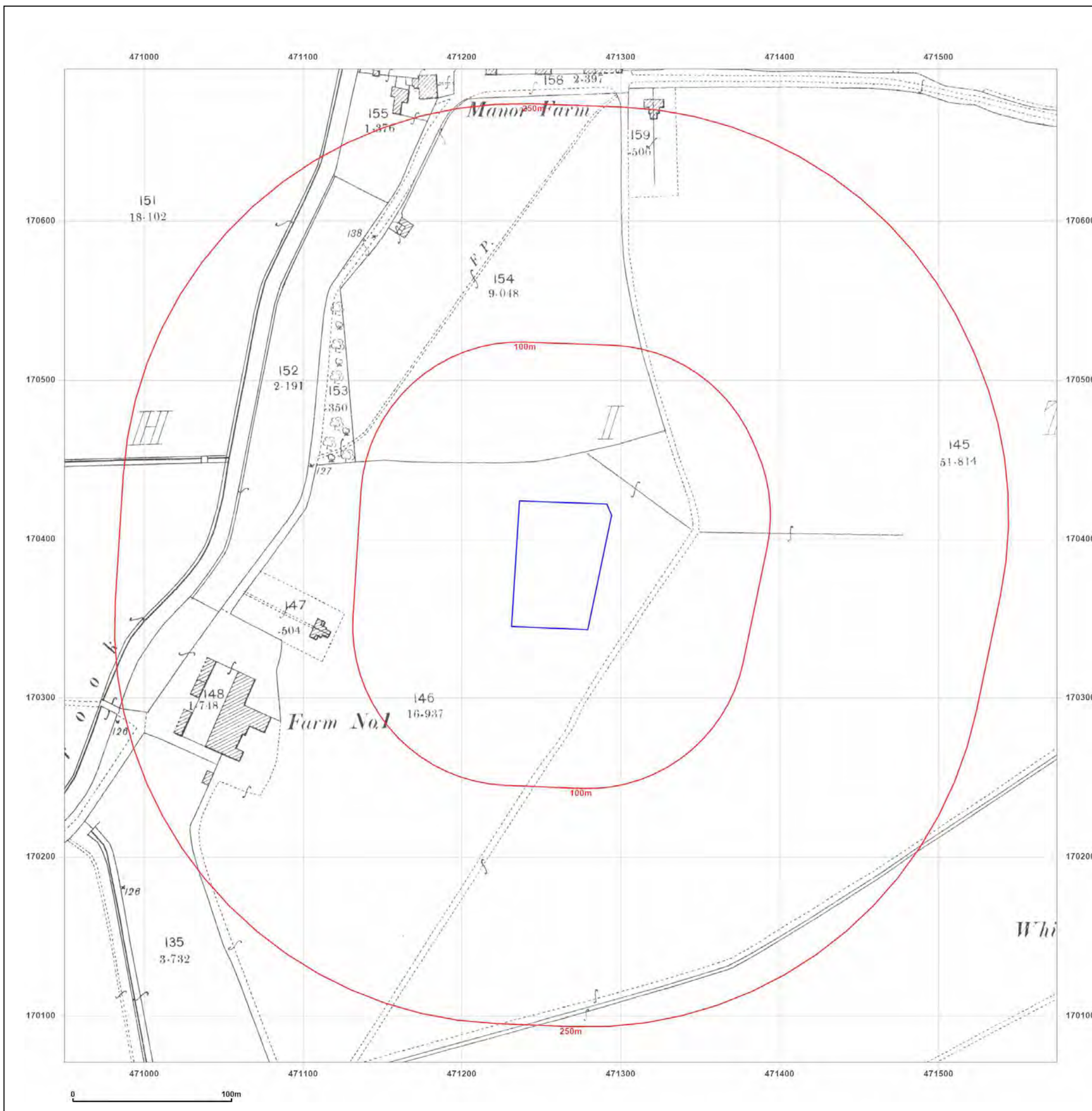


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READING, RG2 0RB

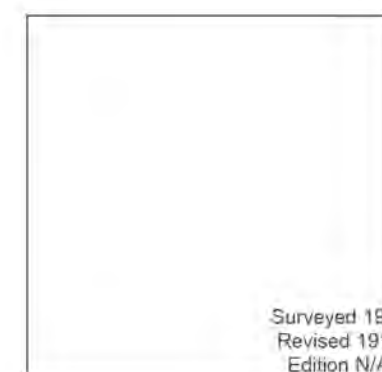
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Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1911

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1911
Revised 1911
Edition N/A
Copyright N/A
Levelled N/A

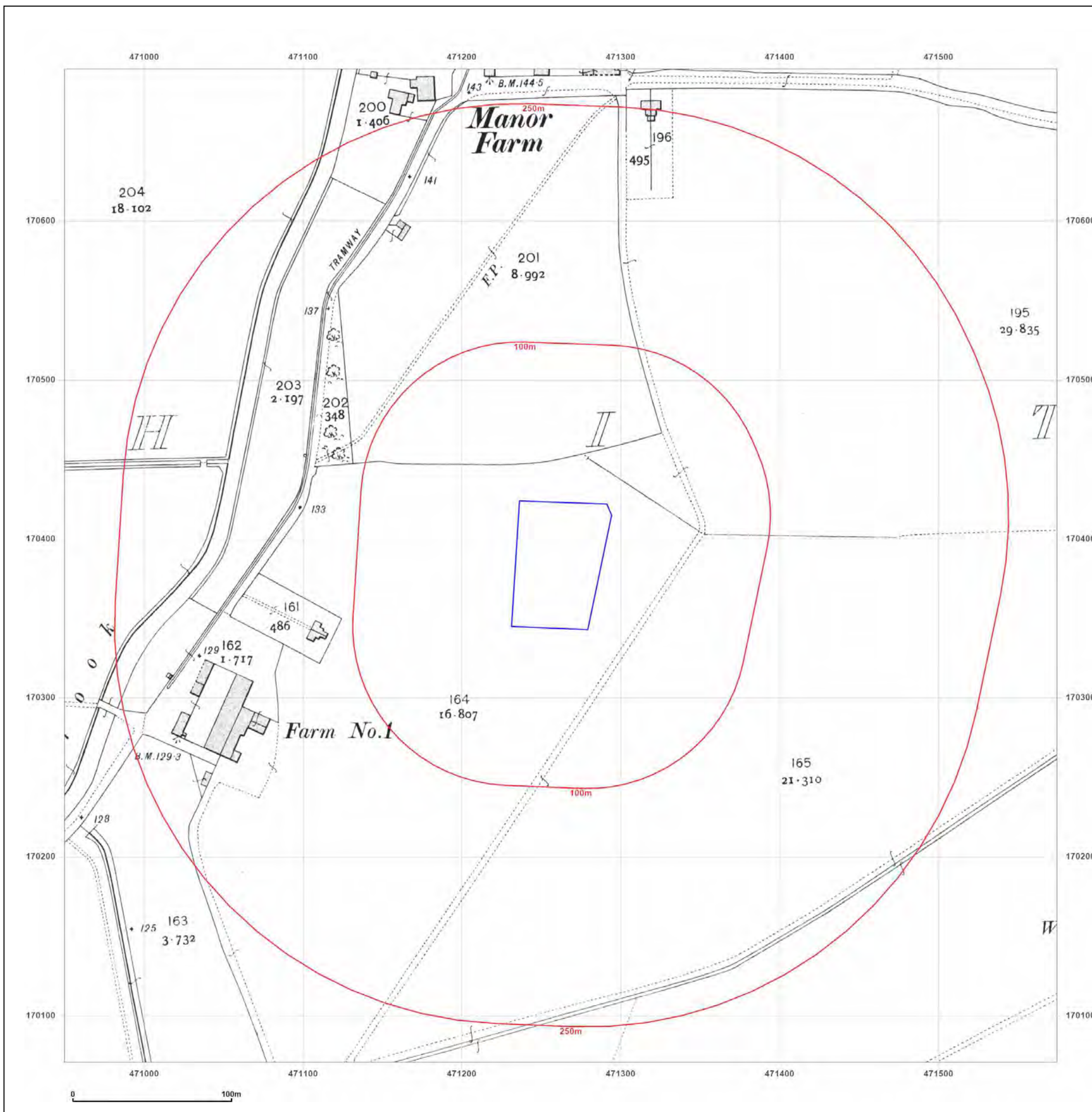


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1936

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1936
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

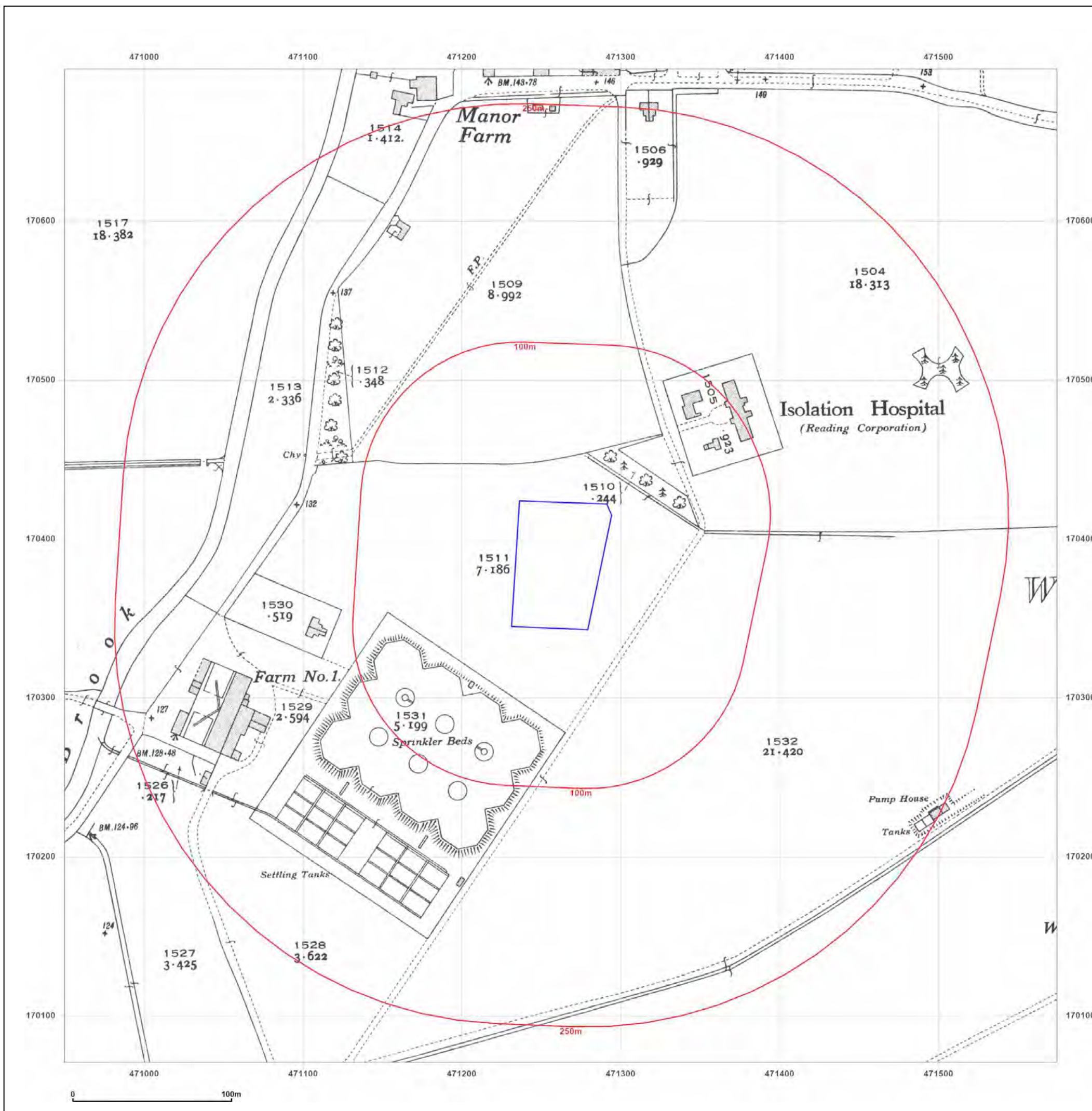


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1957-1958

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1951

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1951

Surveyed 1958
Revised 1958
Edition N/A
Copyright N/A
Levelled 1951

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled 1951

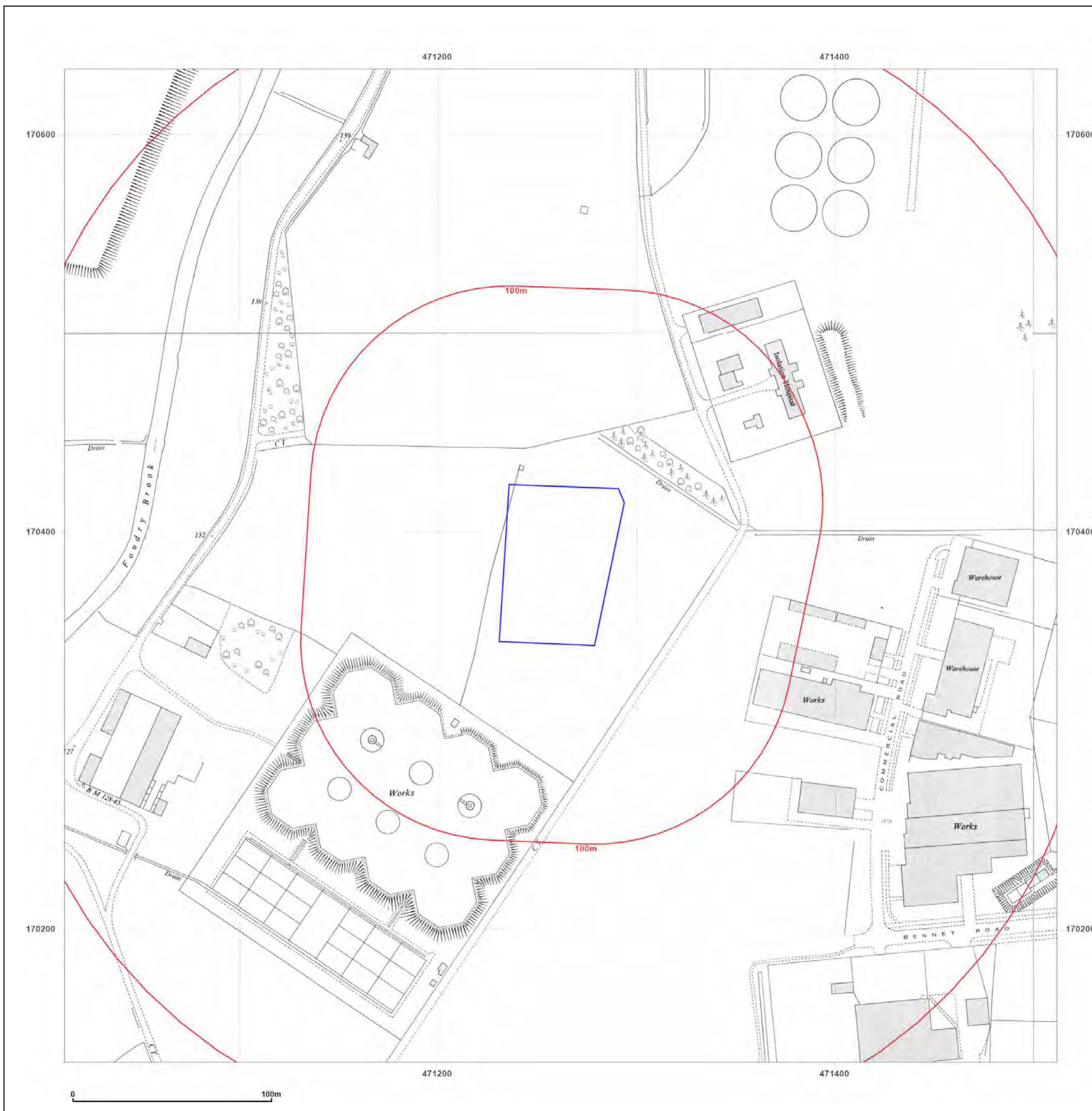


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1958

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
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Revised N/A
Edition N/A
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Revised N/A
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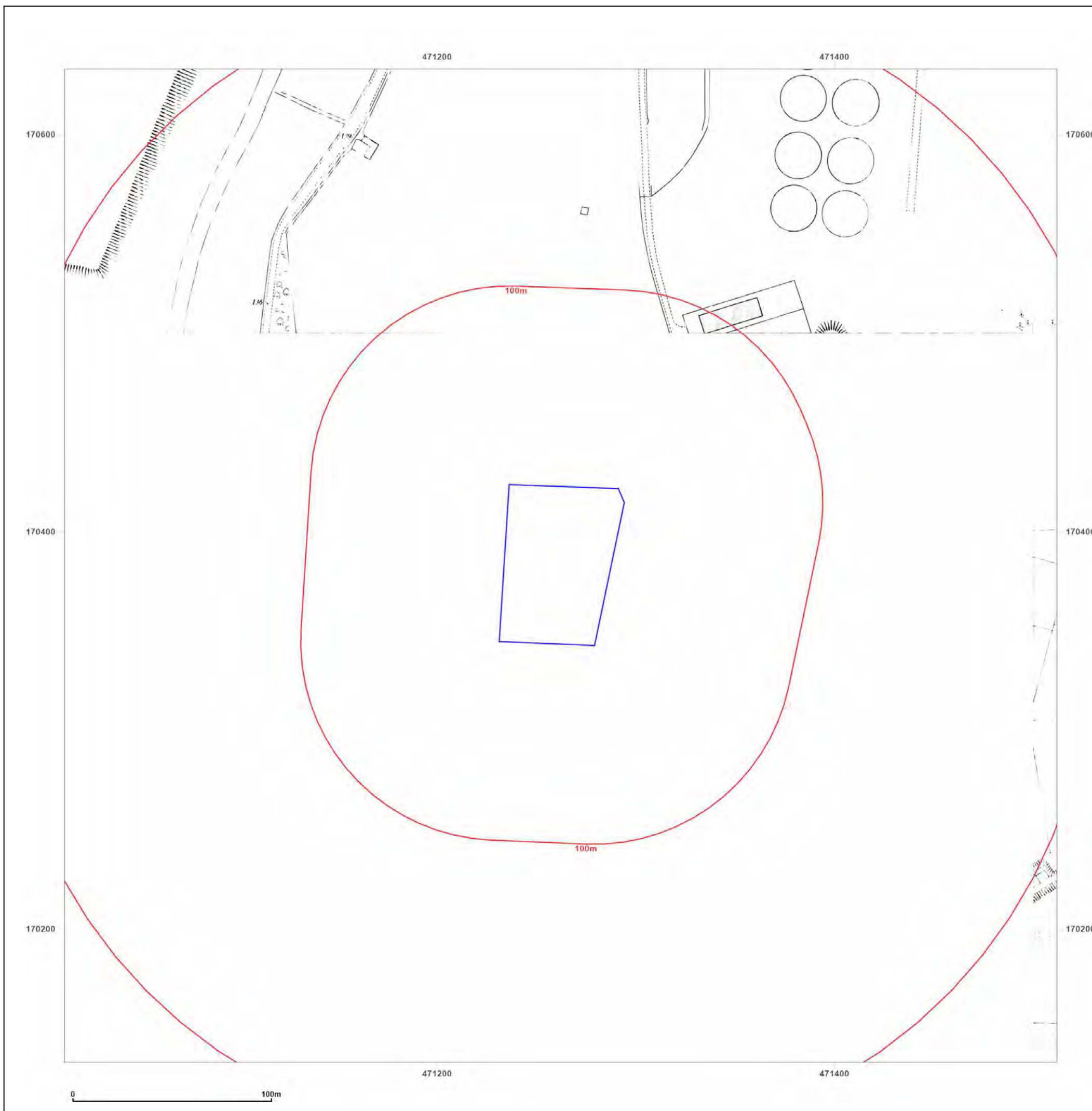


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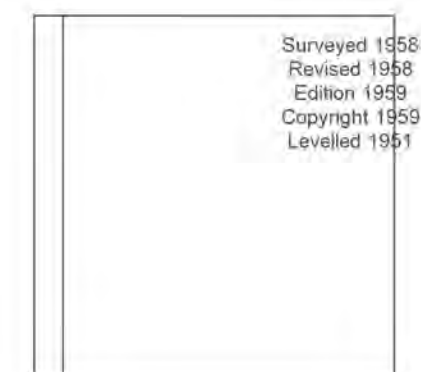
Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1959

Scale: 1:2,500

Printed at: 1:2,500

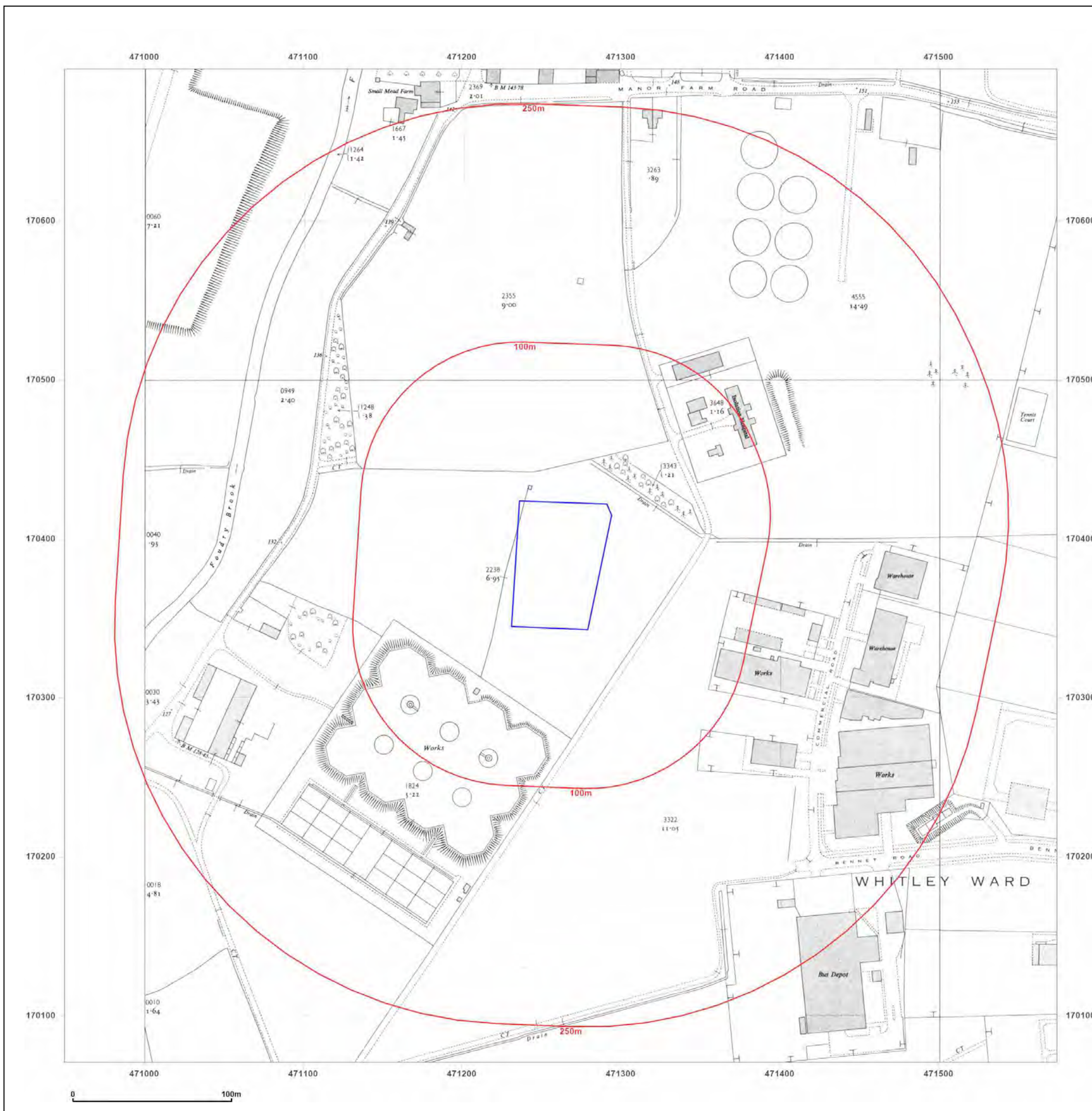


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Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1965-1968

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
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Edition N/A
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Surveyed 1958
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Revised 1967
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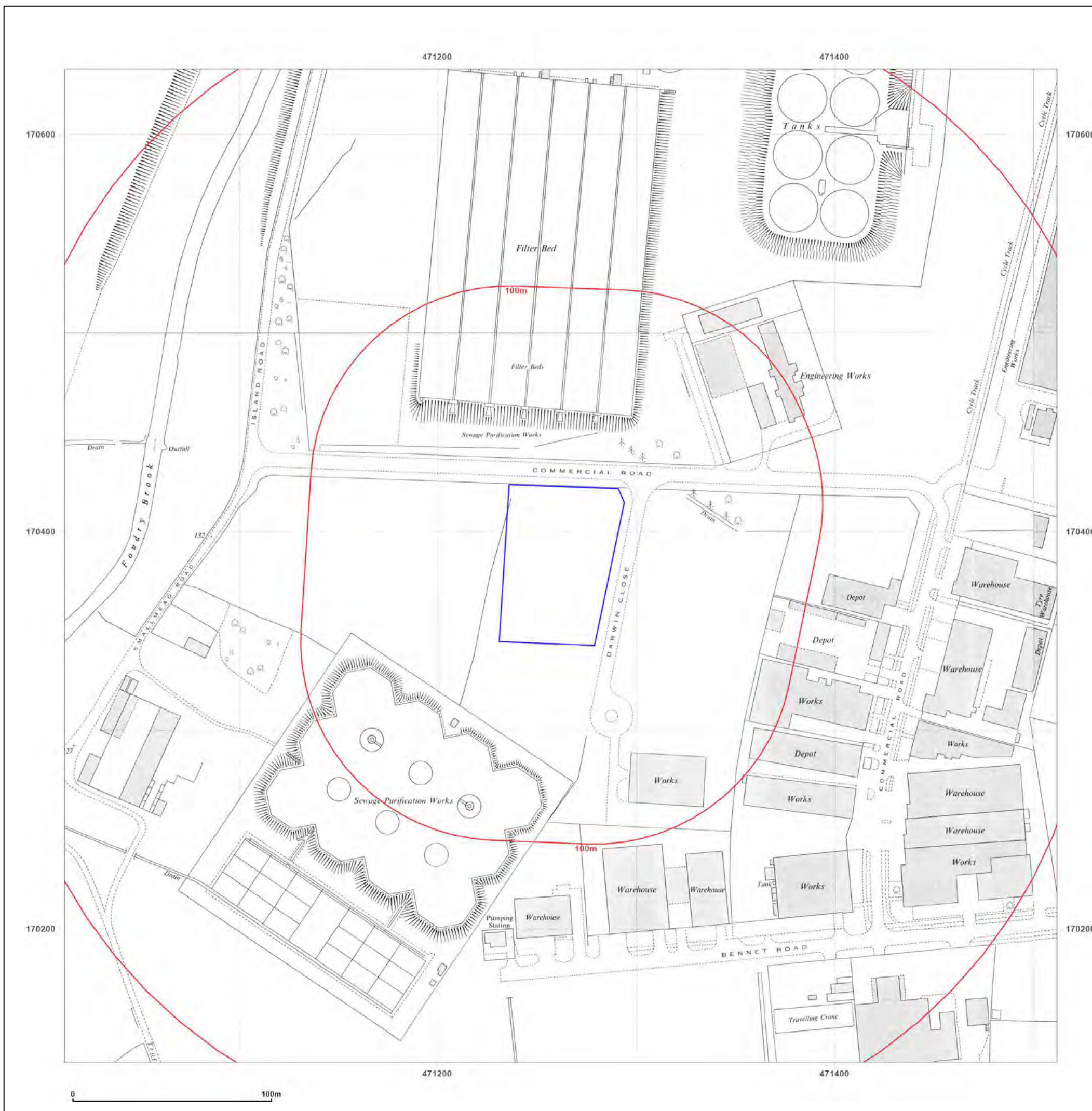


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Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1969

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
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Edition N/A
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Levelled 1951

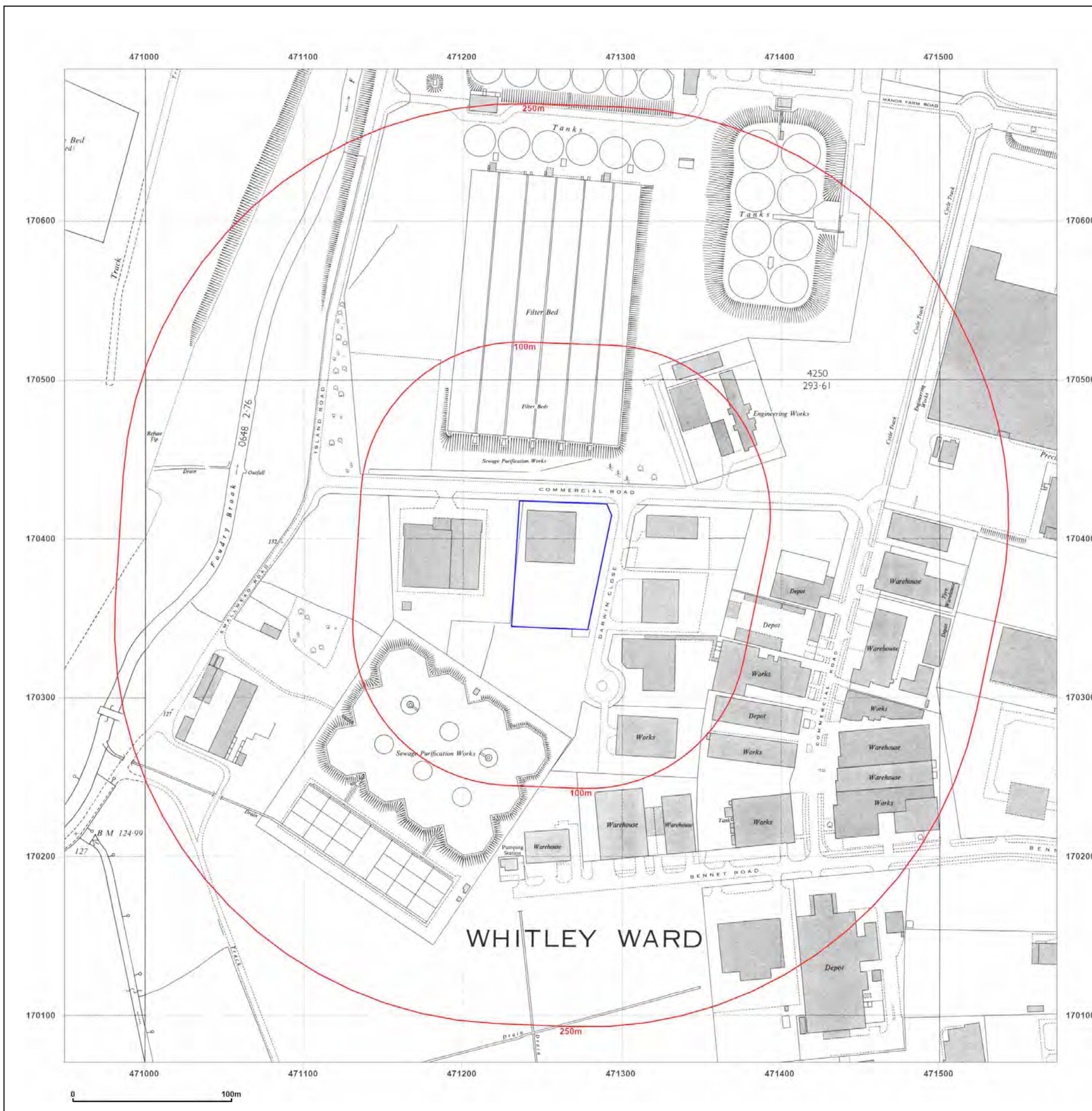


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Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1974-1977

Scale: 1:1,250

Printed at: 1:2,000



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Edition N/A
Copyright 1976
Levelled 1973

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1977
Levelled 1973

Surveyed 1958
Revised 1974
Edition N/A
Copyright 1974
Levelled 1973

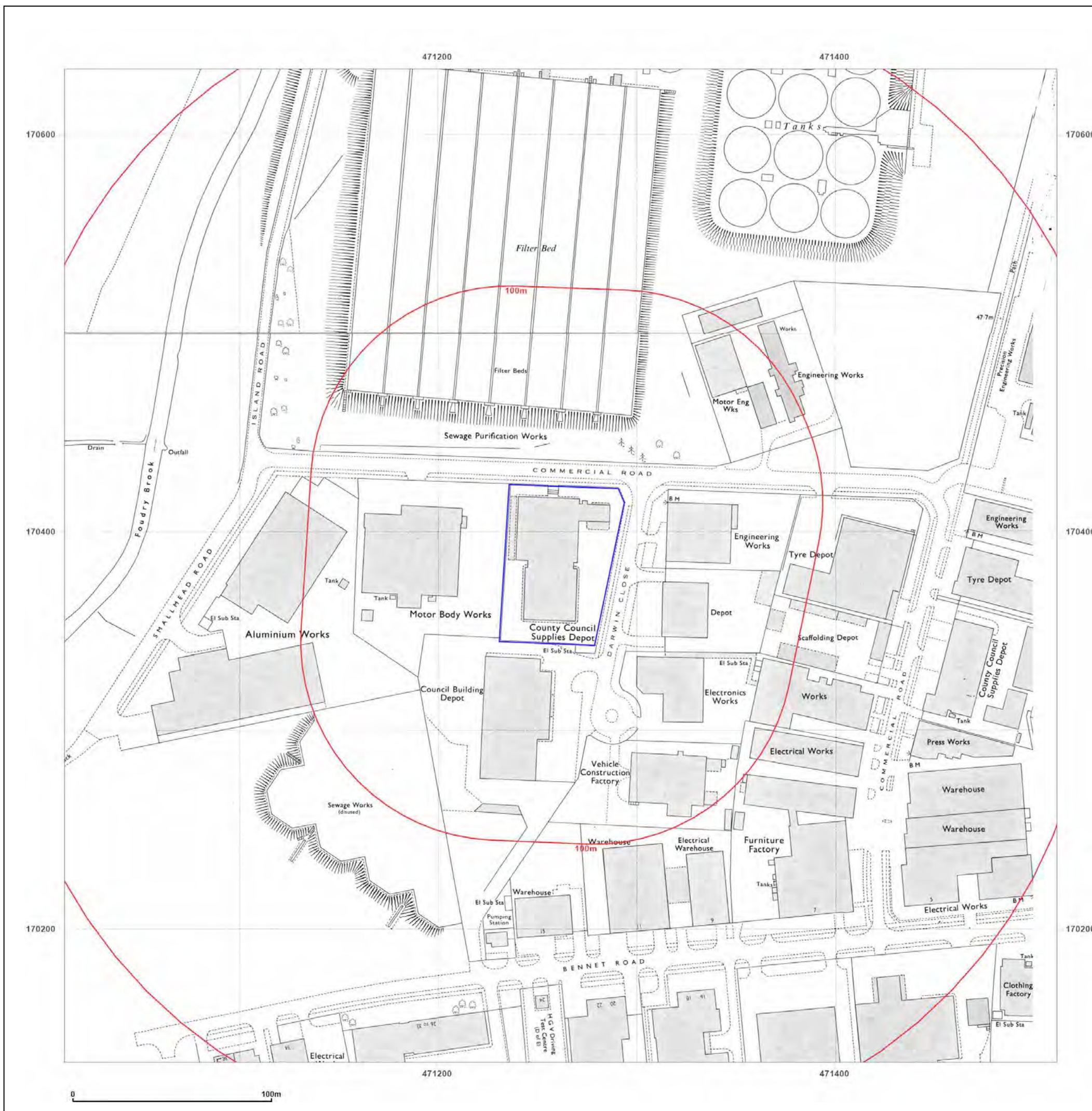


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Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

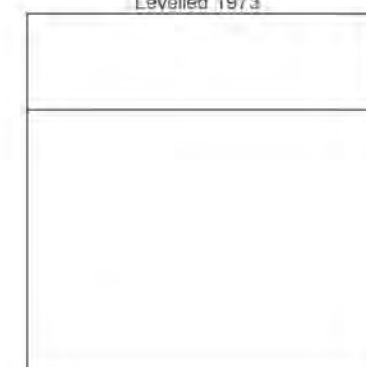
Map date: 1980

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1980
Levelled 1973

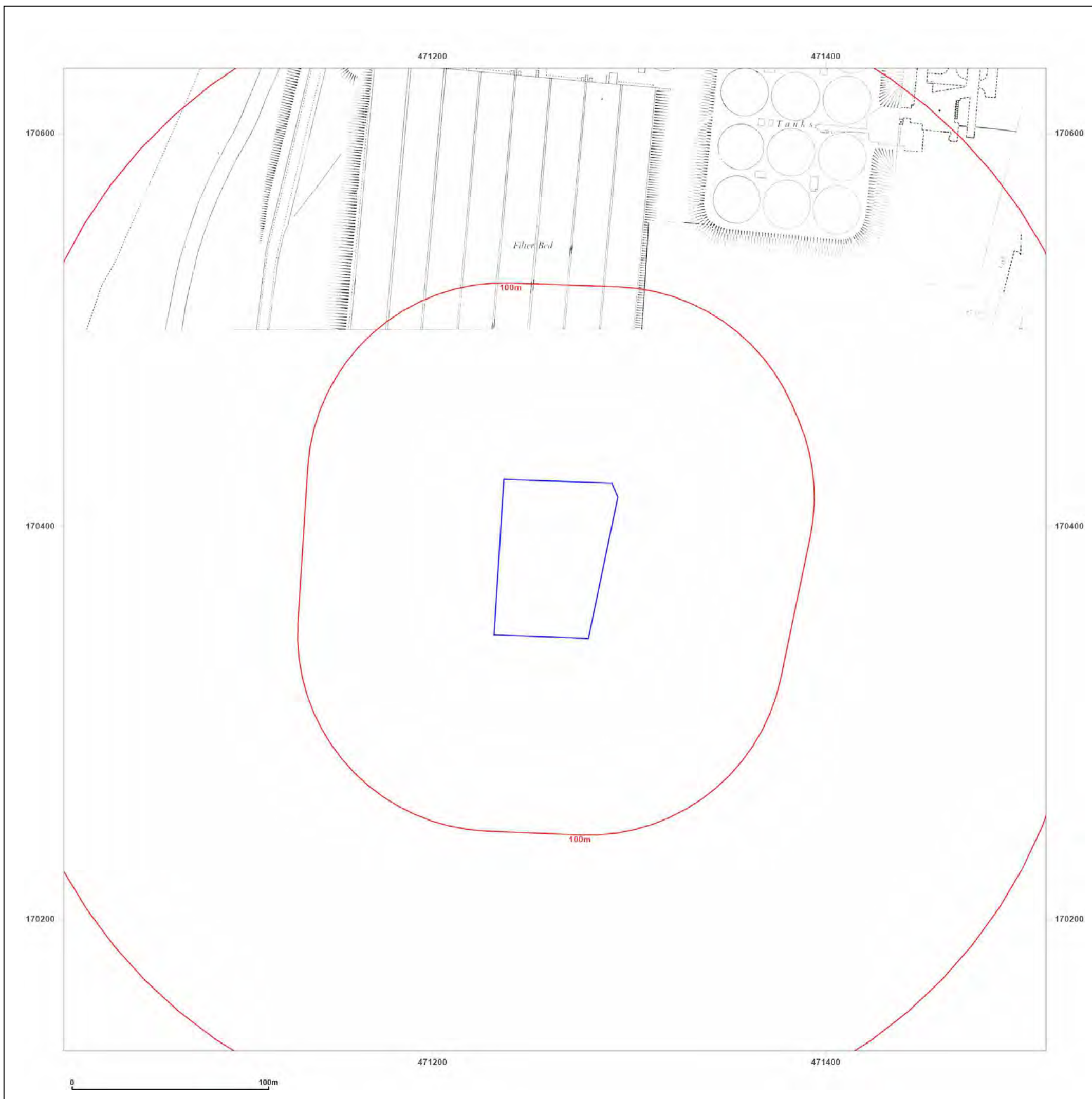


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1986-1988

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1957
Revised 1987
Edition N/A
Copyright 1988
Levelled 1973

Surveyed 1973
Revised 1987
Edition N/A
Copyright 1987
Levelled 1973

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1986
Levelled 1972

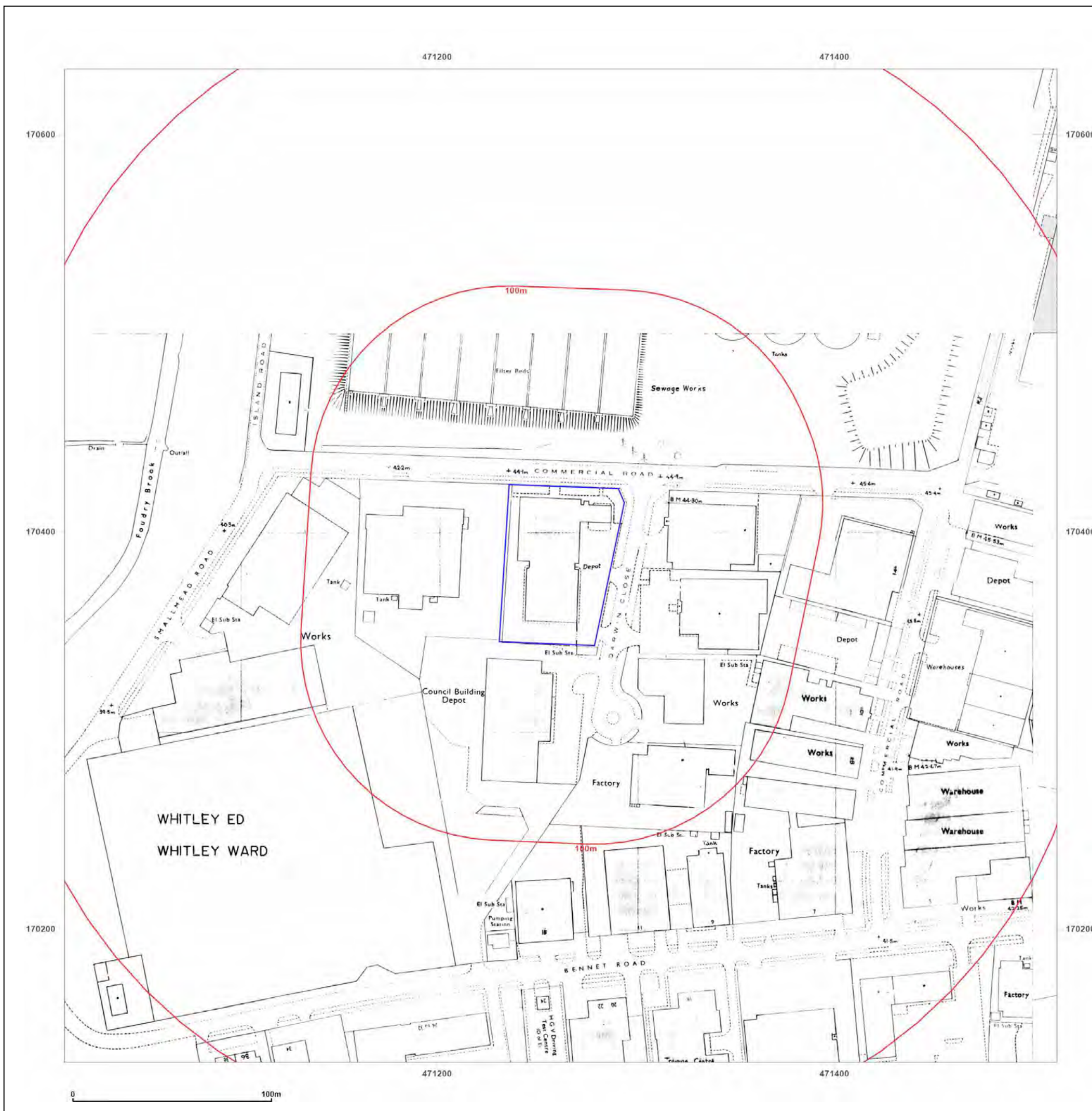


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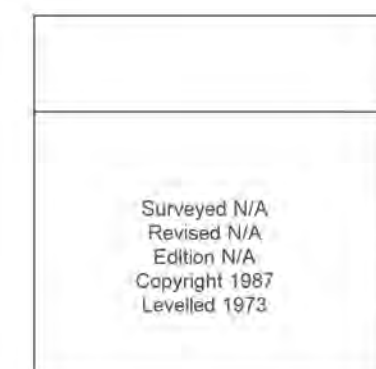
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Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1987-1989

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1973
Revised 1989
Edition N/A
Copyright 1989
Levelled 1973

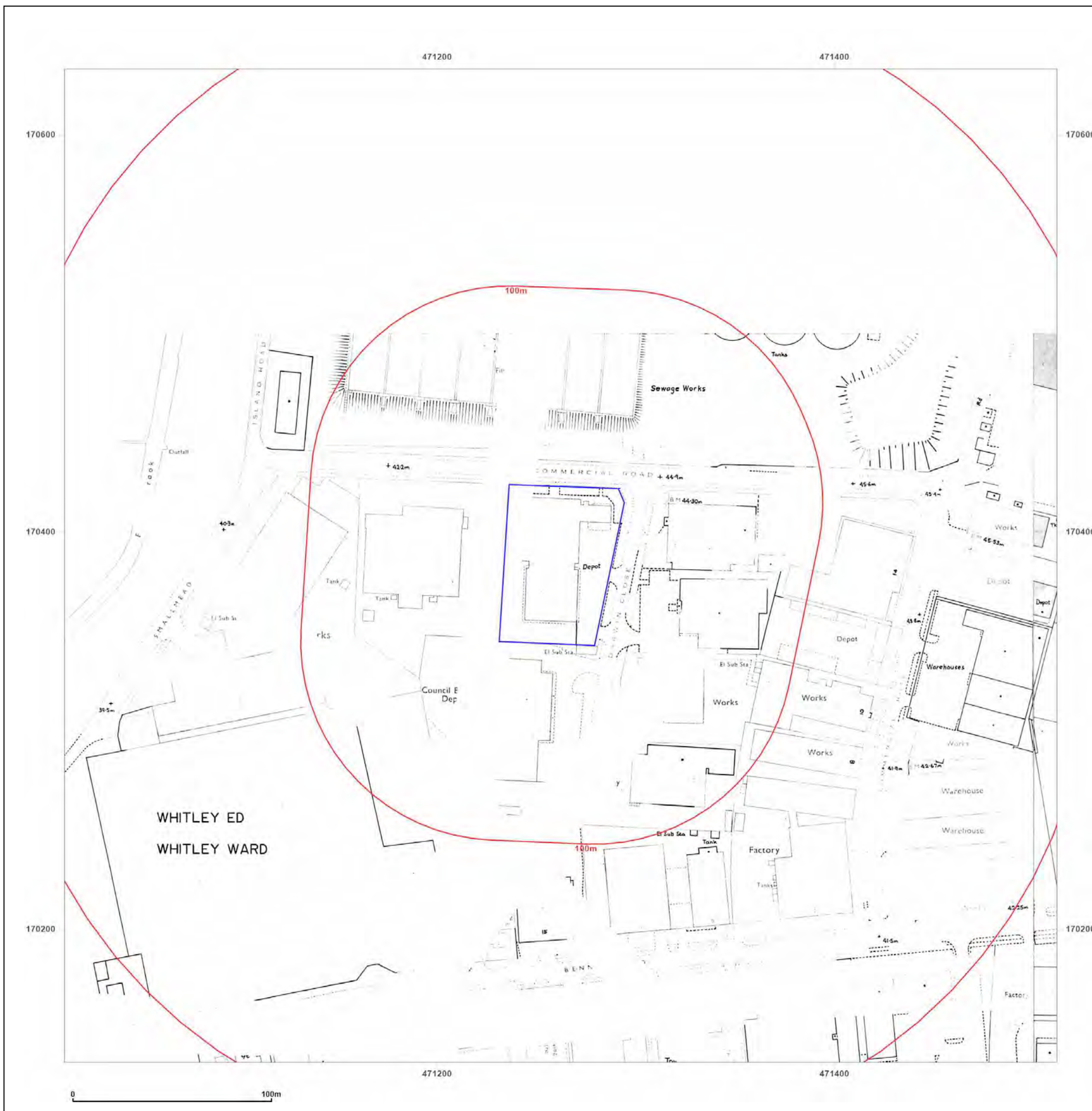


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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1993
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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1995
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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: National Grid

Map date: 1993-1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
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Edition N/A
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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

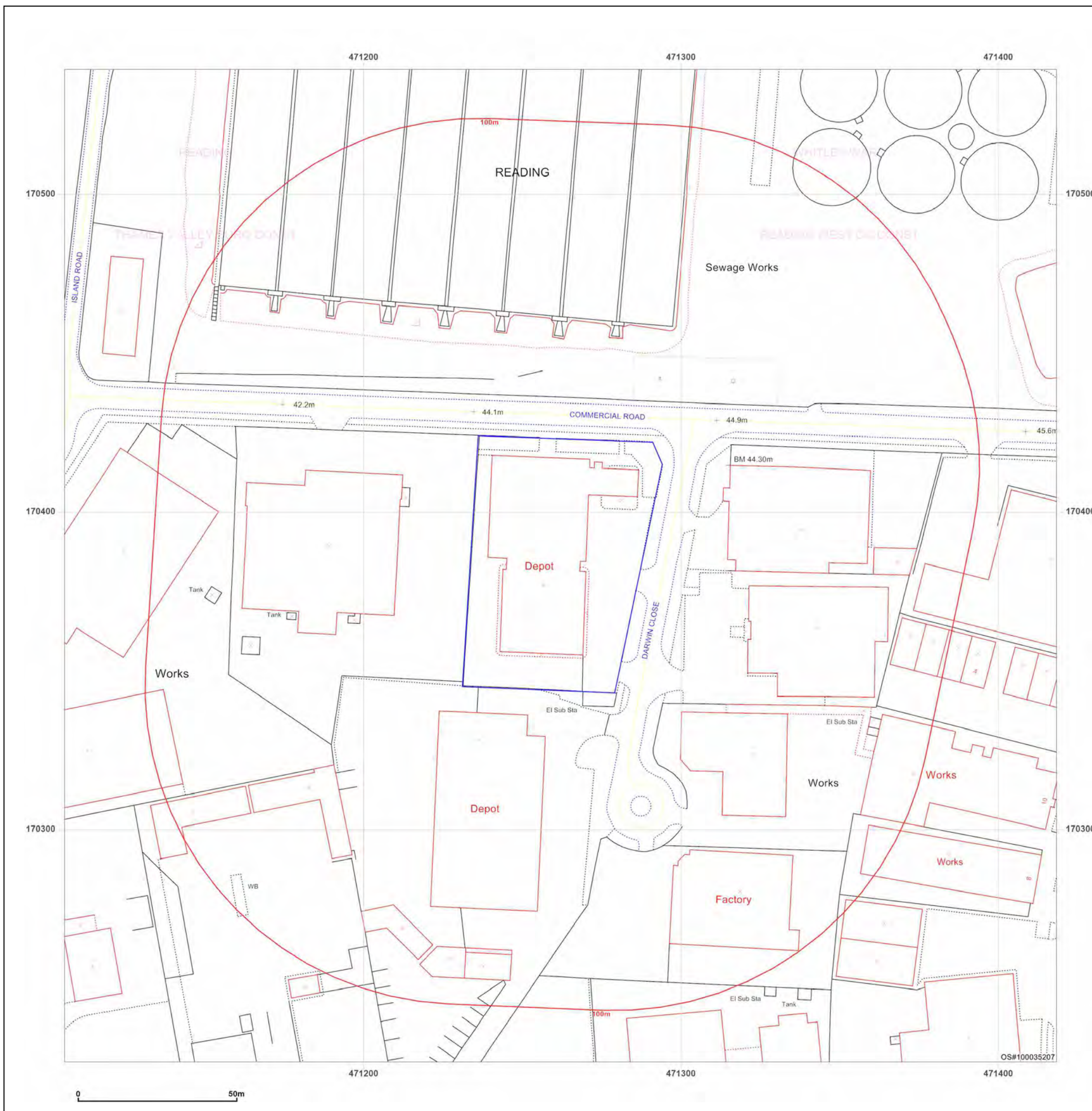


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Site Details:

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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1898-1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1898
Edition 1900
Copyright N/A
Levelled N/A

Surveyed N/A
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
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Levelled N/A

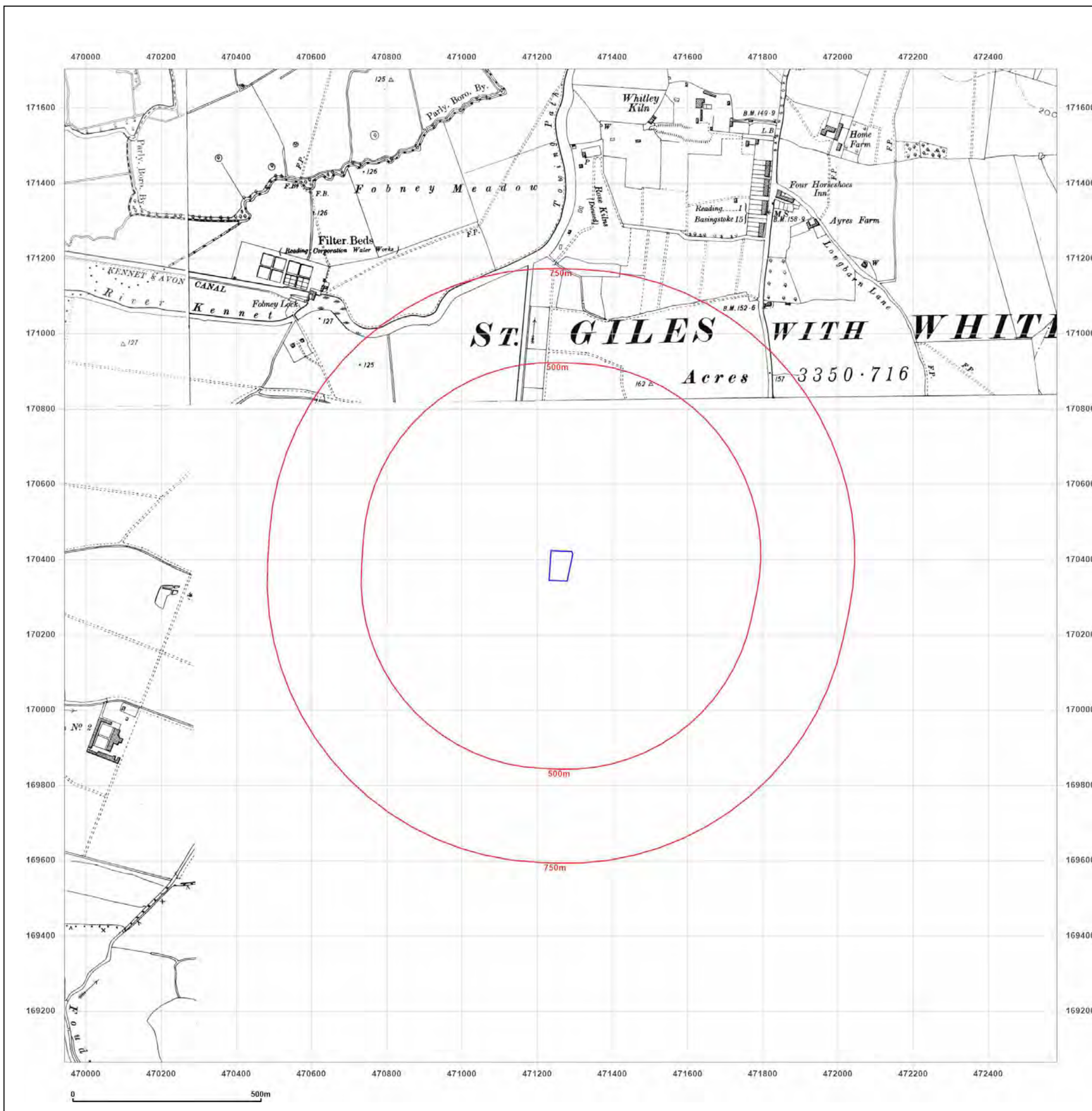


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Site Details:

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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1898-1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1898
Edition 1900
Copyright N/A
Levelled N/A

Surveyed 1877
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

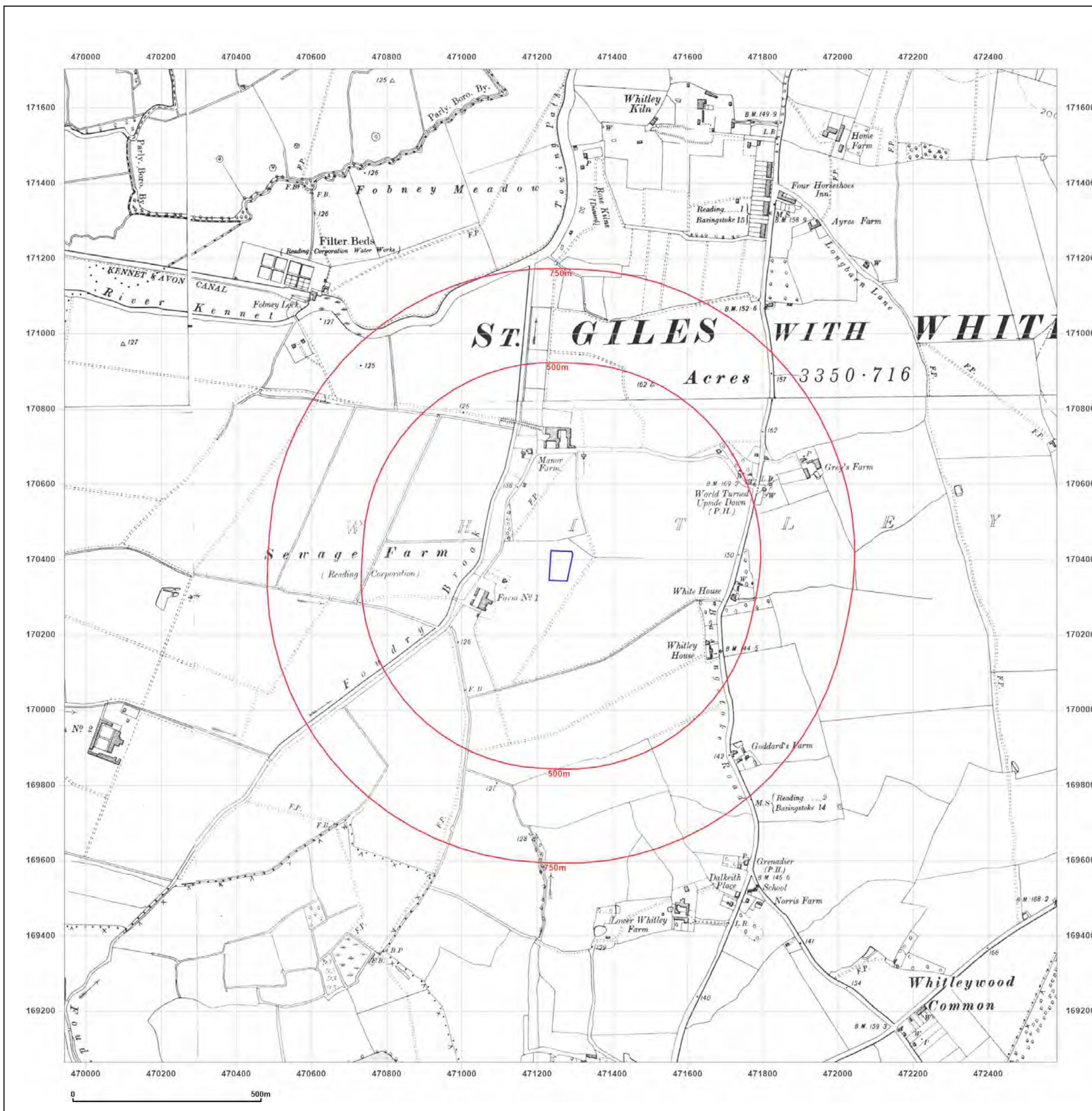


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Site Details:

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READING, RG2 0RB

Client Ref: GE20825_PO-5252
Report Ref: GS-8705123
Grid Ref: 471262, 170383

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1976
Revised 1898
Edition 1900
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Levelled N/A



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