



EARTH ENVIRONMENTAL
& GEOTECHNICAL

PHASE I GEOENVIRONMENTAL
ASSESSMENT

148 STATION ROAD

SIDCUP

DA15 7AB

REPORT REF: R0388/20

JULY 2020

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ASSESSMENT**



FOR

KALLARVIEW CONSTRUCTION LIMITED

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Report No. R0388/20

July 2020

| | | |
|--------------------------|---|--|
| Report Title: | 148 Station Road, Sidcup Phase I GeoEnvironmental Assessment | |
| Report Reference: | R0388/20 | |
| Client: | Kallarview Construction Limited | |
| Issue Date: | 1st July 2020 | |
| Drafted By: | Lily Cherry Geo-environmental Consultant |  |
| Authorised By: | John Grace Regional Director |  |

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1.0 EXECUTIVE SUMMARY

| | |
|---|---|
| Appointment | A Phase 1 Geo-environmental Desk Study has been commissioned by Proun Architects on behalf of Kallarview Construction Limited (the client). |
| Site Name | 148 Station Road, Sidcup |
| Site Description | National Grid Reference 546244, 172786 The site is level, approximately 0.03ha and is occupied by a two-story residential/commercial property. A former restaurant and current office space occupy the ground floor and a 2-bed flat occupies the first floor. Site is bounded to the north by Holy Trinity Church, to the south by further commercial/residential premises, to the west by Station road and to the east by and a commercial property (Travis Perkins) |
| Proposed Development | It is proposed to convert the property into a 3-bed flat and two 1 bed flats with a basement and an above ground extension. |
| Site Geology | The BGS indicates a lack of superficial geology beneath site, with the area directly underlain by the Harwhich Formation (Sand and Gravel). |
| Site History | Site was first developed in 1895, forming part of the terraced properties seen presently along Station Road. The site is thought to have been mixed commercial and residential in nature, with an added extension built in 1956 (thought to be the addition of an office space). A church directly north and builder's yard / depot to the east are noted developments to have occurred surrounding site. |
| Identified Sources | Historical development activities with the potential to have caused made ground and asbestos materials to be present on site (first development in 1895). Builder's yard located to the east first developed in 1971. |
| Preliminary Risk Assessment | It is also expected that, given the age of the development, asbestos containing materials may be present alongside made ground deposits from site redevelopment. In addition, contamination may be present beneath site due to migration from the adjoining depot. Considering the residential nature of the proposed development, the risk to current and proposed site users has been deemed as Low to Moderate . |
| Conclusions and Recommendations | The PRA and CSM have highlighted potential pollution linkages associated with identified contamination sources and the current and future end uses of the site. A low to Moderate risk has therefore been assigned. A Limited ground investigation has been recommended as part of this assessment. |
| <i>This is an executive summary only and the full report should be reviewed prior to any assumptions being made.</i> | |

2.0 INTRODUCTION

Appointment

- 2.1 Earth Environmental & Geotechnical were commissioned by Proun Architects on behalf of Kallarview Construction Limited (the Client) to undertake a Phase 1 Geo-Environmental Desk Study at 148 Station Road, Sidcup, DA15 7AB.
- 2.2 It is understood the site is to be subject to redevelopment works with a proposed residential end use.

Terms of Reference

- 2.3 EEGSL was commissioned by the Client to undertake a Phase I Geo-Environmental Desk Study at the site in accordance with a proposal reference R0388 dated 11th June 2020.
- 2.4 The objectives of this investigation are:
- *Undertake a desk-based review of the underlying geology and hydrology, current and historical site uses, potential contamination sources, radon potential, natural cavities and mining risks. And*
 - *Assess the implications of any potential environmental risks, liabilities and development constraints associated with the site in relation to the future use and in relation to off-site receptors.*

Sources of Information

- 2.5 The Phase 1 Desk Study comprises of a review of the following information sources:
- British Geological Survey online maps.
 - Google Earth imagery.
 - Environment Agency online data.
 - Historical Ordnance Survey maps.
 - The site and surrounding areas environmental, geological and mining data presented in the site-specific Groundsure Enviro & Geo Insight Report (Appendix 1).

Limitations of the Study

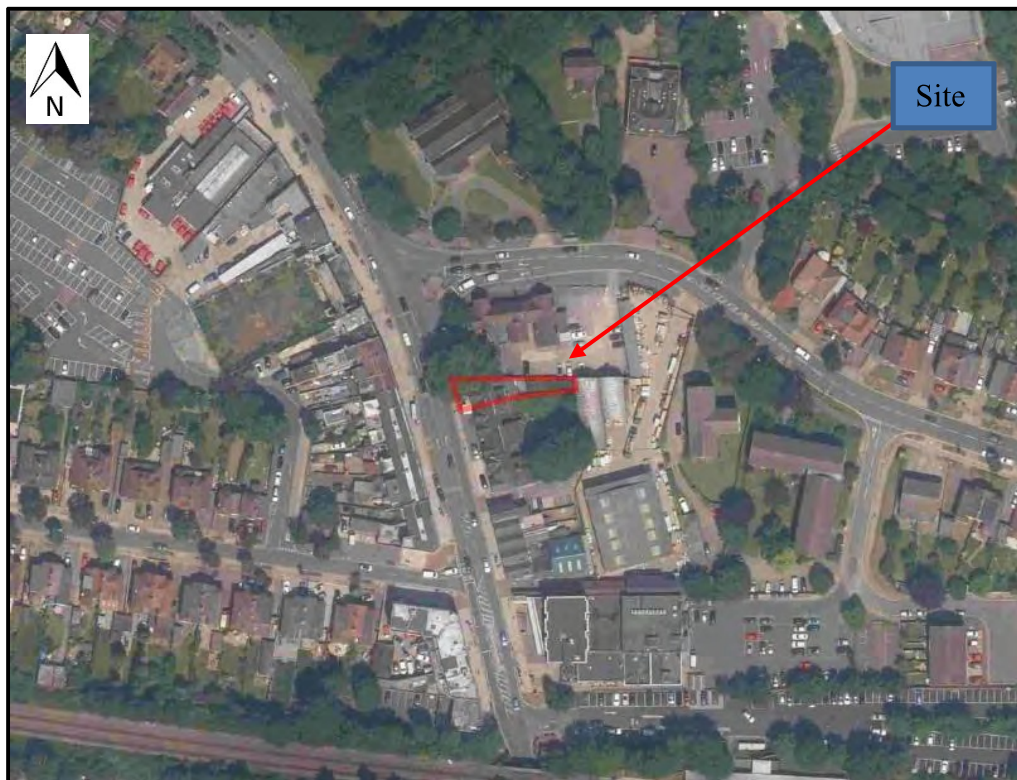
- 2.6 The report is written in the context of an agreed scope of work and budget and should not be used in a different context. New information, improved practices or changes in legislation may require a reinterpretation of the report in whole or in part. EEGSL reserve the right to amend either conclusions or recommendations in light of any further information that may become available. This report is provided for the sole use by the client and is confidential to them.
- 2.7 Recommendations within this report are also based on records produced by others. It is assumed this information is accurate and no liability can be accepted for the accuracy of this information.

3.0 THE SITE

Site Location and Description

- 3.1 The site is located along Station Road, Sidcup. The site is bounded by Holy Trinity Church to the north and mix use commercial/residential properties to the south and west. To the east a commercial/retail site is occupied by Travis Perkins. The site is centred on National Grid Reference 546244, 172786 with a postcode of DA15 7AB.
- 3.2 The site location is shown in Figure 1 below.

Figure 1: Aerial Photograph Showing Site Location



- 3.3 The site covers an area of 0.03 hectares and is currently a two-storey property, with a former restaurant (Mariano's Pizzeria) and an office space occupying the ground floor and a 2-bed flat on the first floor. A small area of soft landscaping is present to the rear of the property.
- 3.4 The plot is generally flat and forms part of a row of terraced property's, all with commercial units on the ground floor and residential flats on the upper floors.
- 3.5 A site walkover was completed by EEGSL on the 23rd June 2020. Photographs taken during the site walkover showing the general layout of the assessment site are provided within Figures 2 - 7.
- 3.6 During the site walkover, several young plants identified as Japanese Knotweed were discovered within the soft landscaping to the rear of the property (Figure 7).

Figure 2: Photograph Showing The Front Of Site Along Station Road



Figure 3: Photograph Showing The Soft Landscaping To The Rear Of Site



Figure 4: Photograph Showing Office Space Situated On The Ground Floor

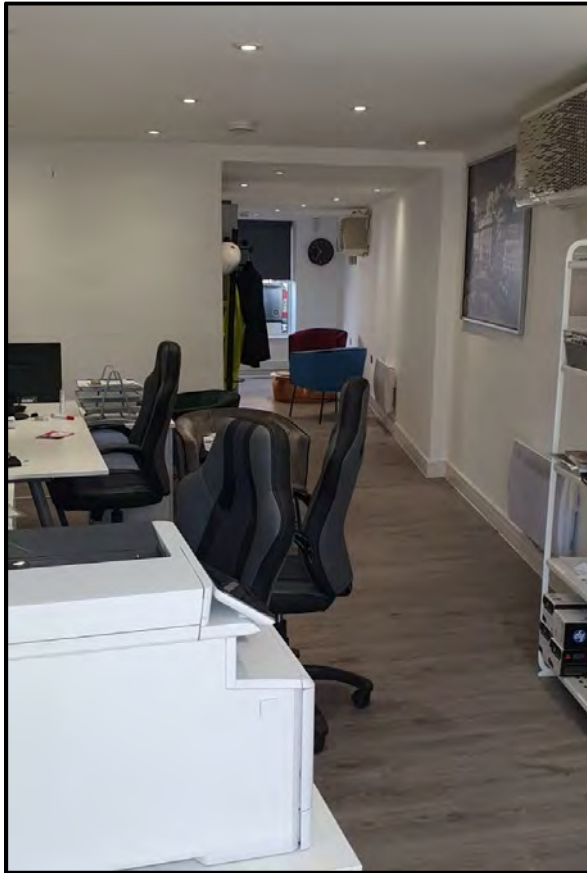


Figure 5: Photograph Showing Milano's Pizza Restaurant Situated On The Ground Floor



Figure 6: Photograph Showing Adjacent Commercial/Residential Properties Situated Along Station Road



Figure 7: Photograph Showing Japanese Knotweed Located in The Rear Garden



Site Utility Services

3.7 A site utility plan has not been provided by the client. The status of all services should be checked with the statutory providers prior to any development commencing.

Proposed Development

3.8 It is understood that the site will be subject to redevelopment with a proposed ground floor and basement extension. A 3-bed flat will be situated within the basement and ground floor and two 1-bed flats will be situated on the first floor.

Figure 8: Proposed Basement Plan

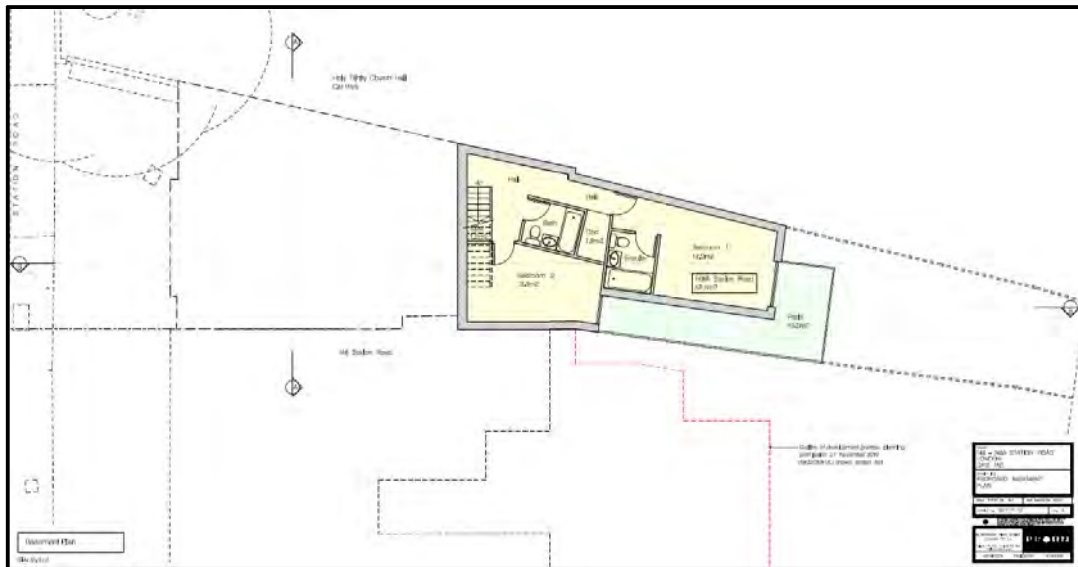
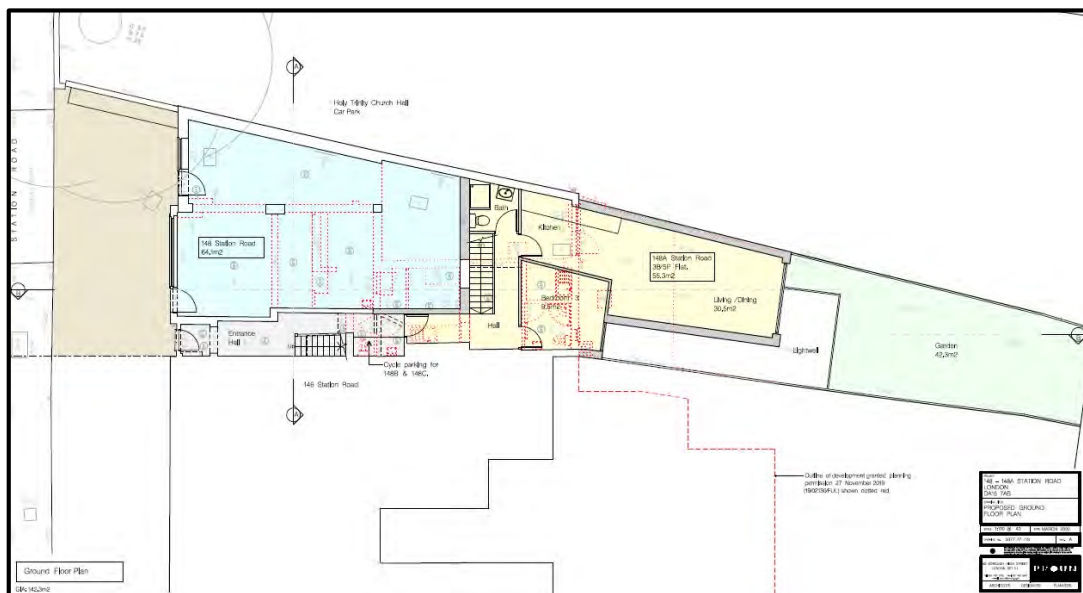


Figure 9: Proposed Ground Floor Plan



4.0 ENVIRONMENTAL SETTING

- 4.1 The geology of the site is covered by British Geological Survey (BGS) online data and the site-specific Groundsure Report (Appendix 1).
- 4.2 Environmental conditions are covered by Environment Agency (EA) and British Geological Survey (BGS) online data, and the site-specific Groundsure Report (Appendix 1).

Geology

- 4.3 The BGS states that the site is not underlain by any artificial ground (Made Ground).
- 4.4 The BGS states that there is a lack of superficial deposits and the site is directly underlain by the Harwhich Formation. The Harwhich Formation was formed 56 to 47 million years ago during the Palaeogene and comprises mainly of Sand and Gravel.
- 4.5 There are no records of linear geological features within 500m of the site.
- 4.6 There are no records of any landslip activity within 500m of the site boundary.
- 4.7 There are 5 BGS public borehole records available within 250m of the site. The closest record with data available is located 182m east, Borehole Ref: TQ47SE41. It identifies Topsoil down to 0.60m, sandy clay down to 1.27m, sand and gravel with traces of clay down to 2.43m and sandy silt with gravel bands down to 3.96m.
- 4.8 The site is in an area where the hazard rating is very low in regards to running sands, collapsible deposits and landslides, negligible in regards to shrink-swell clays, compressible deposits and ground dissolution.
- 4.9 There is one estimated background soil chemistry record on site, however no values have been provided.
- 4.10 There is one estimated urban soil chemistry record on site. These indicate anticipated levels of Arsenic = 22mg/kg, Cadmium = 1.1mg/kg, Chromium = 63mg/kg, Nickel = 27mg/kg and Lead = 303mg/kg.

Ground Workings

- 4.11 There are 3 records of historical surface ground working features located within 250m of the assessment site. All of the records refer to ponds, the closest of which is located 233m north east from site, dated 1895.
- 4.12 There are no historical underground working features within 500m of the site.
- 4.13 There are no current ground working records within 250m of the site.
- 4.14 There are no underground railway lines or railway tunnels within 250m of the site.
- 4.15 There are 20 records of historical railway and tunnel features within 250m of the site. All these records are associated with railway sidings with the closes located 124m south, dated 1973.

Mining and Other Underground Workings

- 4.16 There are no historical or current coal mining records within 500m of the site.
- 4.17 There are no records of natural cavities within 250m of the site.
- 4.18 There is 1 record of non-coal mining activity within 250m of the site. This record refers to sporadic Chalk mining within the area. The Groundsure report highlights the potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered.
- 4.19 There are no areas of brine extraction, gypsum extraction, tin mining or clay mining within 1km of the site.

Radon Potential

- 4.20 According to the Health Protection Agency the site is in an area where less than 1% of properties are above the Action Level. Radon protection measures are therefore not expected to be required as part of any new development on site.

Hydrogeology and Hydrology

- 4.21 The underlying bedrock is classified by the Environment Agency (EA) as a Secondary A Aquifer. The EA definition of a Secondary A Aquifer is given below:

'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.'

- 4.22 There are no recorded groundwater abstractions, or potable water abstraction licence records within 500m of the site. The assessment site does however reside within an EA defined Source Protection Zone (SPZ), Zone 2 (Outer Catchment).

Landfill and Waste Management Activity

- 4.23 There are no recorded Landfills or Waste Treatment Facilities located within 500m of the assessment site.

Environmental Permits, Incidents and Registers

- 4.24 The Groundsure report includes records of environmental permits, incidents and registers within 250m of the site, which are summarised in Table 1.

Table 1: Environmental Permits, Incidents and Registers

| | | |
|---|------|--|
| Historic IPC Authorisations | None | |
| Part A (1) and IPPC Authorised Activities | None | |
| Red List Discharge Consents | None | |
| List 1 Dangerous Substances Inventory Sites | None | |

| | | |
|---|------|---|
| List 2 Dangerous Substances Inventory Sites | None | |
| Part A (2) and Part B Activities and Enforcements | 1 | Located 27m South West at Village Express Inn Dry Cleaners for Dry Cleaning Services, Permit type Part B |
| Category 3 or 4 Radioactive Substance Authorisations | None | |
| Licensed Discharge Consents | None | |
| Water Industry Referrals | None | |
| Planning Hazardous Substance Consents and Enforcements | None | |
| Dangerous or Hazardous (COMAH and NIHHS) Sites | None | |
| National Incidents Recording System (Pollution Incidents), List 2 | 1 | Incident recorded June 2003, located 139m NW, inert materials and wastes, Category 3 (Minor) impact to Land |
| National Incidents Recording System (Pollution Incidents), List 1 | None | |
| Sites Determined as Contaminated Land under Part 2A EPA1990 | None | |

Industrial Land Use Information

- 4.25 There are 18 historical potentially contaminative land use identified within 250m of the assessment site. The closest record refers to a smithy, located 52m south. The other records refer to railway stations (from 110m south to 136m south, dated from 1888-1973); railway sidings (from 124m south to 136m south, dated from 124m south to 136m south); nurseries (from 219m west and 222m north east, dated 1948 and 1973) and a railway building (247m south east, dated 1948).
- 4.26 There are 3 records of historical tanks within 250m of the site. All the records refer to Unspecified Tanks, with the closest located 27m south west, dated 1933.
- 4.27 There are 3 records of historical energy features identified within 250m of the site. They all refer to electricity substations, the closest one is located 52m south west, dated 1979-1988.
- 4.28 There are no records of historical garages and motor vehicle repair sites within 250m of the site.
- 4.29 There are no historical petrol or fuel sites, or military sites within 500m of the site.
- 4.30 There is 3 record of historical potentially infilled land within 250m of the site. These refer to the aforementioned ponds, with the closest located 233m north east from site.
- 4.31 There are 20 records of current potentially contaminative land uses identified within 250m of the assessment site. The closest record refers to BBQ Barn, located 23m West.
- 4.32 There are no records of current petrol or fuel sites located within 250m of the assessment site.
- 4.33 There are no National Grid high voltage underground electricity transmission cables, or high-pressure gas transmission pipelines within 500m of the site.

Environmentally Sensitive Sites

- 4.34 There are no significant environmentally sensitive sites within 500m of the site.
- 4.35 The Groundsure Report identifies the land directly north from site, named Halfway Street, is a conservation area.

Archaeology

- 4.36 An archaeological assessment falls outside the brief of this report. Where considered necessary, advice should be sought from an archaeological specialist.

Potential Flood Risks

- 4.37 Detailed assessment of flood risk is outside the scope of this report. However, it is highlighted that the site falls within Environment Agency flood zone 1, low probability of flooding.

Ecology

- 4.38 A detailed ecological assessment falls outside the brief of this report. However, due to the identification of Japanese Knotweed on site, advice should be sought from a specialist removal company to development.

Previous Site Investigations

- 4.39 At the time of writing, EEGSL are not aware of any previous site investigation works undertaken at the assessment site.

5.0 SITE HISTORY

5.1 The historical development of the site has been determined by reference to historical plans and Google Earth imagery. The reviewed historical plans comprise only readily available records and may be limited; however, the information available to date indicates that additional searches are unlikely to add to our understanding of the site. The earliest available historical mapping covering the site dates back to 1865. The site history is summarised in the Table 2.

Table 2: Summary of Site History

| Date | Site | Surrounding Land Use |
|-----------|---|--|
| 1865 | Site is positioned within the boundary of an open field | The majority of the surrounding area to the south and east from site are open fields along with areas of woodland located to the north. A few buildings associated with Halfway Street are located approx. 20m W and 100-300m NW and 200-300m NE. Ponds located 140m SW. Lamorhey Church located approx. 100m N |
| 1868 | No significant change. | No significant change. |
| 1895-1897 | Development of building towards the west end of site, forming part of a terrace of buildings along Station Road | Development of halfway Street area associated with Station Road and significant development of Foots Cray located 250m south from site. School located directly north. Smithy located 52m S Holy Trinity Church located approx. 80 N Railway line, Sidcup Station, located approx. 120m S Coal Depot located approx. 200m SE. |
| 1908 | No significant change. | No significant change. |
| 1909 | No significant change. | Fire Station located approx. 30m NE. Vicarage located approx. 90m NE. |
| 1930-1931 | No significant change. | More development of residential properties located approx. 130m W associated with Farm Road. Allotment Gardens located approx. 50m E |
| 1936 | No significant change. | Significant development of the surrounding area associated with Station Street and adjoining streets of residential houses. Depot located directly east from site. Picture theatre located approx. 50m NW. |
| 1938 | No significant change. | No significant change. |
| 1950-1951 | No significant change. | No significant change. |
| 1956-1960 | A small building/extension added to the north of existing building on site. | Sidcup golf club and course located approx. 150m NE. Builder's yard located approx. 150m S |

| | | |
|-----------|------------------------|---|
| 1961-1966 | No significant change. | No significant change. |
| 1971-1974 | No significant change | Depot now redeveloped into builder's yard located approx. 60m S Electricity substation located approx. 50m SW and 60m NE |
| 1979 | No significant change. | Builder's yard now occupying the land directly to the east from site. |
| 1988-1992 | No significant change. | No significant change. |
| 2001 | No significant change. | No significant change. |
| 2003 | No significant change. | No significant change. |
| 2010 | No significant change. | No significant change. |
| 2020 | No significant change. | No significant change. |

5.2 Selected extracts from historical maps are presented in Figures 11 – 15.

Figure 11: OS Map Extract 1865

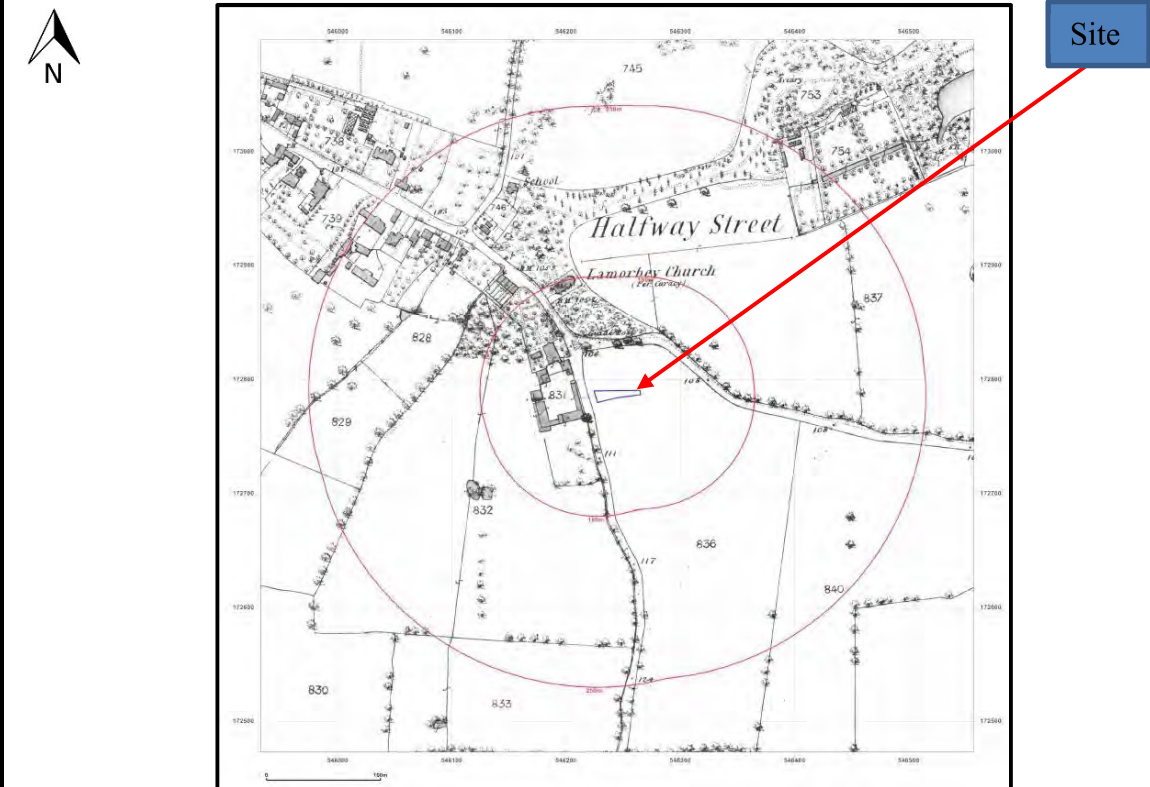


Figure 12: OS Map Extract 1897

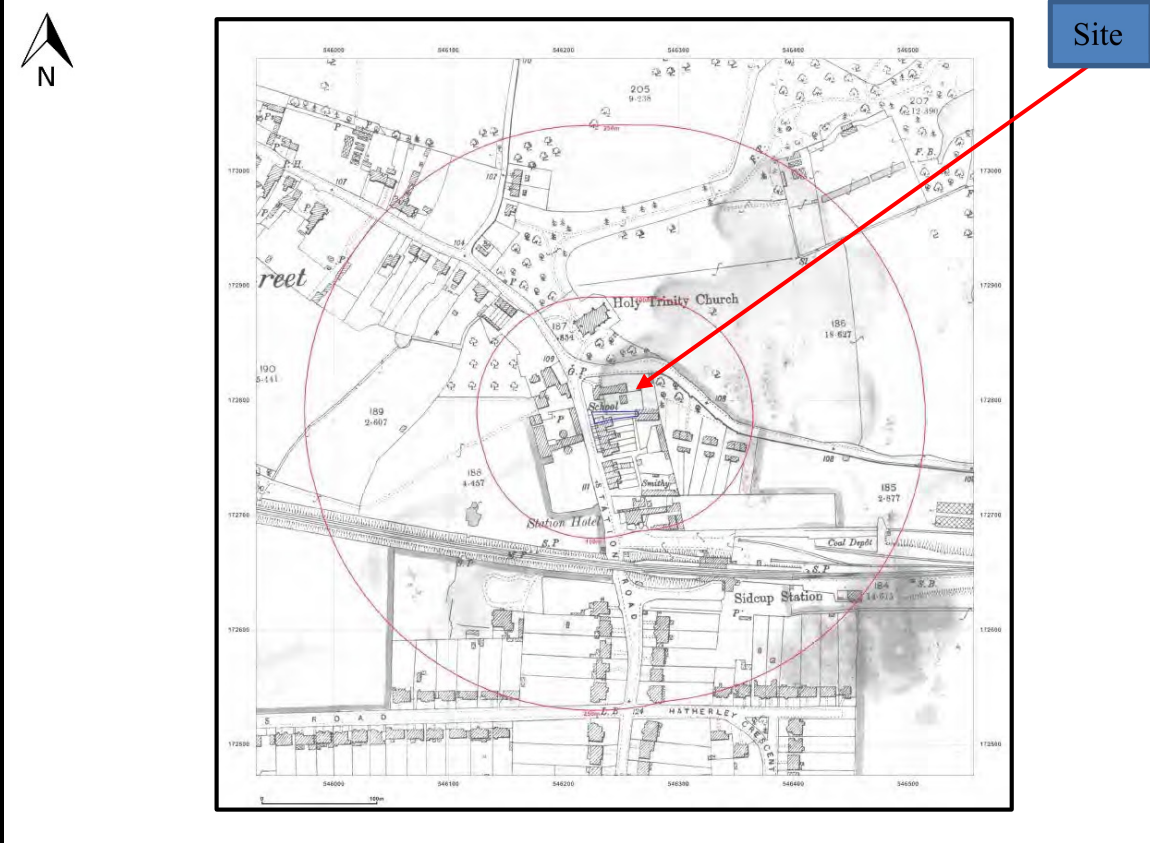


Figure 13: OS Map Extract 1956



Figure 14: OS Map Extract 1990-1992

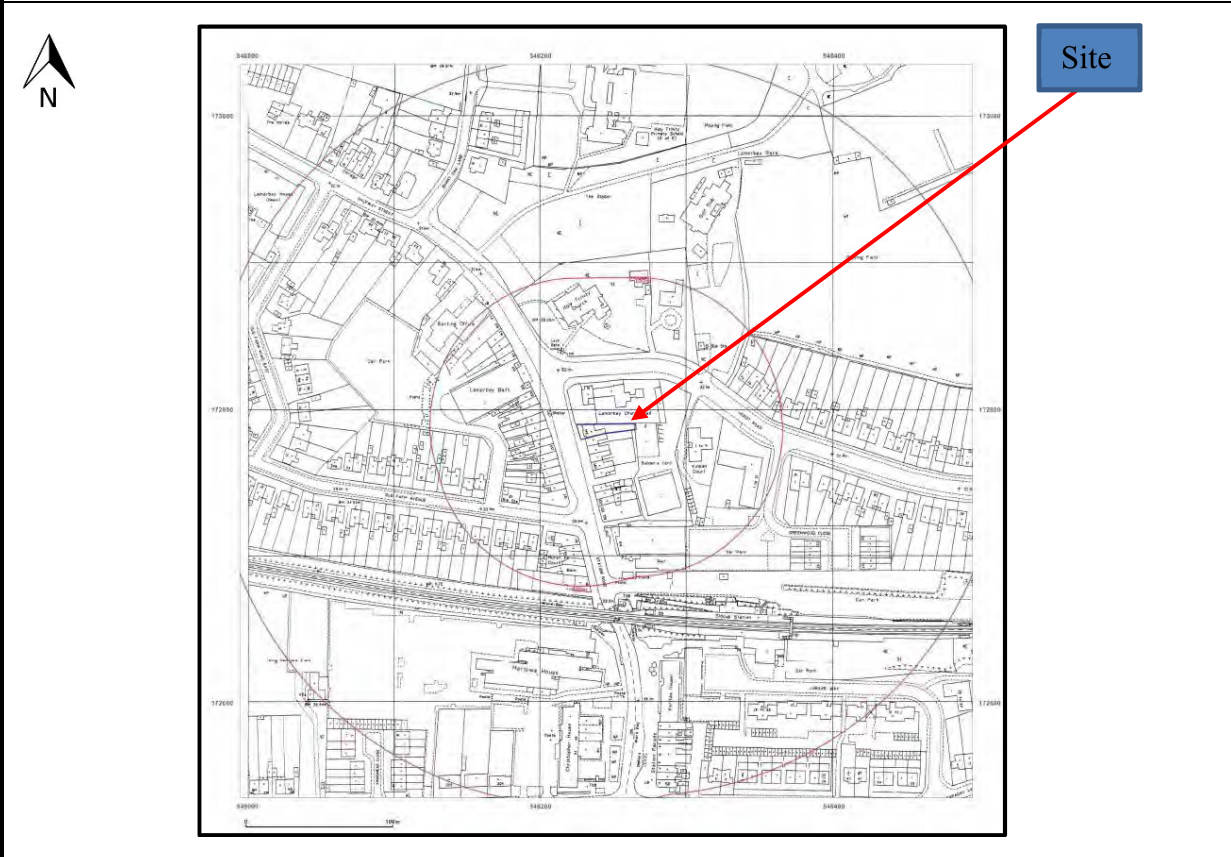
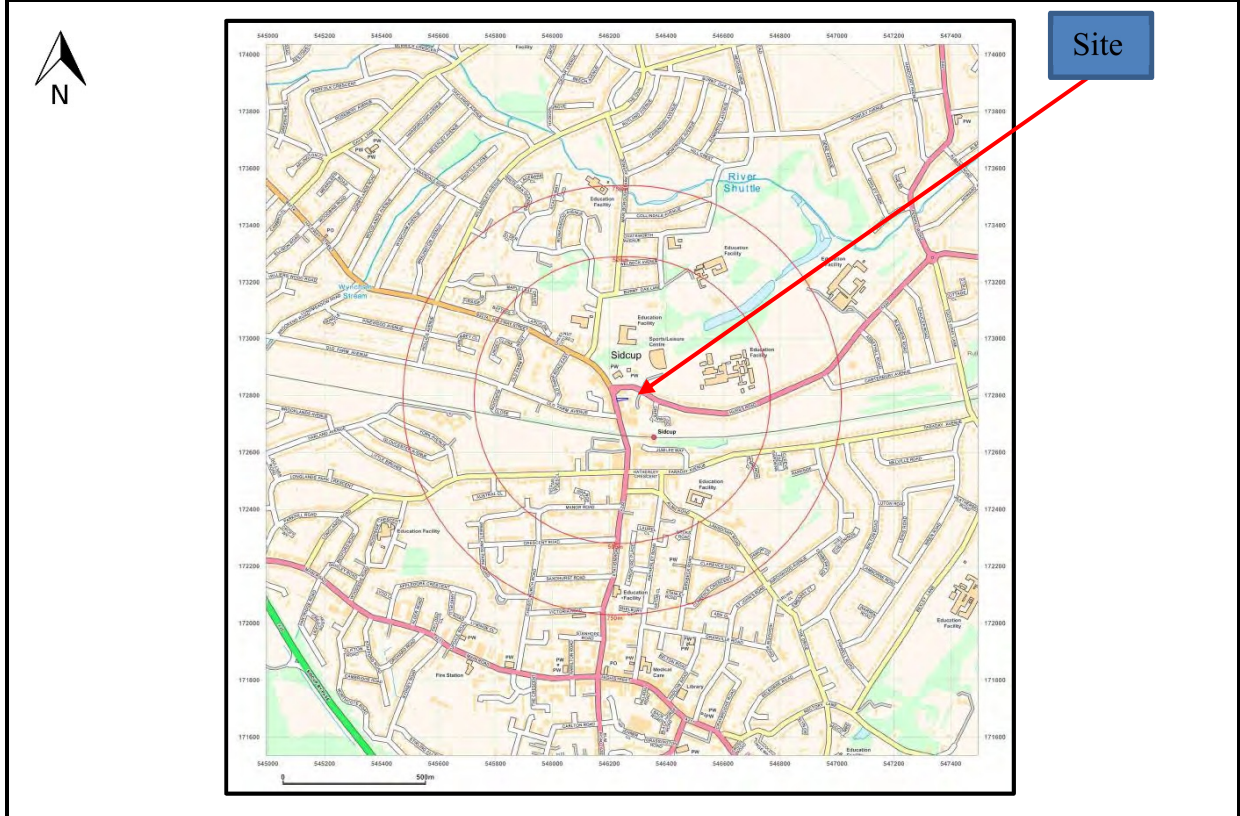


Figure 15: OS Map Extract 2020



6.0 PRELIMINARY CONTAMINATION RISK ASSESSMENT

Introduction

- 6.1 The following paragraphs outline a Preliminary Risk Assessment (PRA) for the site based on the above desk study information as defined by DEFRA and the EA Model Procedures for the Management of Land Contamination, CLR11(2004).
- 6.2 Table 5 provides a Preliminary Conceptual Model (PCM) which considers the source-pathway-receptor linkages present alongside the likelihood, severity and risk level as defined within Table 3 and Table 4 below. The assessment of probability, a modified risk table, and certain consequence definitions are based on CIRIA C552 and CLR11.
- 6.3 Table 5 considers whether a pollution linkage is potentially present and provides a preliminary qualitative assessment of risk based on the information currently available. Where a possible linkage is identified, it does not necessarily mean that a significant risk exists but indicates that further information is required through appropriate site investigation to substantiate the conceptual model.
- 6.4 The PCM/PRA is based on a proposed residential end use.

Table 3: Consequence, Probability and Risk

| Probability | Consequence, | Risk |
|--|---|---|
| High Likelihood- There is a pollution linkage and an event either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution | Very High – acute risk to the human health likely to result in significant harm. Risk of severe or irreversible effect on ground/surface water quality. Catastrophic damage to buildings / property. | Very High – there is a high potential that the source-pathway-receptor scenarios may give rise to harm to human health or the environment and remedial action is likely to be required. |
| Likely – there is a pollution linkage and all the elements are present, which means that it is probable an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term. | High – Severe or irreversible effect on human health. Temporary severe or irreversible effect on ground/surface water quality. Reduction of water quality rendering groundwater or surface water unfit to drink and/or substantial adverse impact on groundwater dependant environmental receptors. | High – it is likely that the source-pathway-receptor scenarios may give rise to an impact on human health or the environment, which may require remediation and/or control measures to mitigate risks |
| Low likelihood– there is a pollutant linkage and circumstances are possible for an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term | Moderate – Long term or short term moderate effect on human health. Moderate effect on ground/surface water quality, reversible with time. Reduced reliability of a supply at a groundwater or surface water abstraction source | Moderate – it is possible that the source-pathway-receptor scenarios may give rise to an impact on human health or the environment, however it is either relatively unlikely that such are would be severe, or if any harm were to occur it is more likely that harm would be mild. |
| Unlikely – there is a pollution linkage, but circumstances are such that it is doubtful that an event would occur even in the very long term. | Low – Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.) Slight effect on ground/surface water quality, reversible with time. Marginal reduced reliability of a supply at a groundwater or surface water abstraction source. | Low – it is possible that harm could arise at the source, however it is likely that they would at worst be mild. |
| | | Very Low – it is unlikely that the source-pathway-receptor scenarios will give rise to an impact on human health or the environment. |

Table 4: Estimation of Level of Risk by Comparison of Consequence and Probability

| | | Consequence | | | |
|-------------|-----------------|----------------------|----------------------|----------------------|----------------------|
| | | High | Moderate | Low | Very low |
| Probability | High Likelihood | Very High | High risk | Moderate risk | Moderate to low risk |
| | Likely | High risk | Moderate risk | Moderate to low risk | Low risk |
| | Low Likelihood | Moderate risk | Moderate to low risk | Low risk | Very low risk |
| | Unlikely | Moderate to low risk | Low risk | Very low risk | Very low risk |

Potential Sources

6.5 The following potential sources have been considered for the assessment site.

Onsite

- Historical development activities with the potential to have cause the presence of Made Ground and asbestos materials to be present on site. (development of property in 1895/1950).

Offsite

- Since 1936 a Depot appears to be present immediately east from site and is then redeveloped into a Builder's yard in 1971 and is presently a Travis Perkins. There is a potential risk from contamination from these developments, including chemicals and fuels which may have the potential to migrate towards site.

6.6 Grounds associated with Holy Trinity Church adjacent to site have been considered as a potential source due to possible burial activities. However, a review of the historical maps shows a lack of burial activities in the areas surrounding site and it has therefore been deemed as an insignificant as a source in this instance.

Potential Receptors

6.7 The following receptors have been considered as part of this assessment.

- Current site users.
- Adjacent land users.
- Future land users.
- Construction workers during site development works; and
- Controlled Waters.

Potential Pathways

6.8 The following pathways have been considered as part of this assessment.

- Direct / dermal contact, ingestion, inhalation pathways of potentially contaminated soils.
- Vertical or horizontal migration of ground gas (including vapours).
- Vertical or horizontal migration of contamination via leaching into the underlying shallow groundwater.

Table 5: Preliminary Conceptual Model

| Source | Pathway | Receptor | Probability | Consequence | Risk | Comment |
|--|--|----------------------|----------------|-------------|----------------------|--|
| Historical development activities with the potential to have cause Made Ground to be present on site | Dermal contact, ingestion and inhalation of soils dust | Current Site Users | Low Likelihood | Moderate | Moderate to Low Risk | Historical development has occurred across the assessment site which may have caused Made Ground to be present. Given the period over which development on site has occurred, it is possible that the made ground present may be contaminated (potential for toxic metals and asbestos to be present). The site is currently used as a mixed residential and commercial property, with limited soft landscaping at the rear. However, given the potential for contamination to be present within areas of soft landscaping, and the presence of residential development on site, the risk to current site users is considered LOW to MODERATE . |
| | | Adjacent Site users | Unlikely | Moderate | Low Risk | Despite the potential for contamination to be present on site, the risk to adjacent site users is considered LOW , as the contamination is likely to be inorganic in nature and relatively immobile (and hence unlikely to migrate significantly off site). |
| | | Future Site users | Low Likelihood | Moderate | Moderate to Low Risk | Given the nature of the proposed development and the potential for contamination to be present within shallow made ground deposits, the risk to future site users is considered LOW to MODERATE in this instance. |
| | | Construction Workers | Low Likelihood | Low | Low Risk | Assuming appropriate health and safety measures are adopted (in line with CDM and other relevant health and safety guidance) a LOW risk to construction workers is anticipated during redevelopment at the assessment site. |
| | Vertical or horizontal migration of ground gas and vapours | Current Site Users | Low Likelihood | Moderate | Moderate to Low Risk | Considering the potential for made ground deposits to be present associated with the development on site, there is a potential for ground gas to be produced beneath site. Taking into account the above, the risk to current site users from the migration of ground gas is considered to be LOW to MODERATE . |
| | | Adjacent Site users | Low Likelihood | Moderate | Moderate to Low Risk | Considering the potential for made ground deposits to be present associated with former development on site, there is a potential for ground gas to be produced beneath site. The risk to adjacent site users from the migration of ground gas is therefore considered to be LOW to MODERATE . |
| | | Future Site users | Low Likelihood | Moderate | Moderate to Low Risk | Given the potential for ground gas to be produced within made ground deposits beneath the assessment site, and taking into account the residential nature of the |

| Source | Pathway | Receptor | Probability | Consequence | Risk | Comment |
|--|---|----------------------|----------------|-------------|-----------------|---|
| | | | | | | proposed development, the risk to future site users from the migration of ground gas is considered to be LOW to MODERATE . |
| | | Construction Workers | Low Likelihood | Moderate | Low Risk | Assuming appropriate health and safety measures are adopted (in line with CDM and other relevant health and safety guidance) a LOW risk to construction workers is anticipated during redevelopment at the assessment site. |
| | Vertical or horizontal migration of contamination via leaching into the underlying shallow groundwater beneath site | Controlled Waters | Unlikely | Moderate | Low Risk | Given the potential for contamination being present within the shallow deposits beneath site, and considering the underlying geology has been classed as a Secondary A aquifer, the risk to controlled waters from the leaching of contamination into shallow groundwater is considered LOW to MODERATE . |
| Contamination present within shallow soils beneath the site due to migration from offsite commercial/ retail use | Dermal contact, ingestion and inhalation of soils dust | Current Site Users | Low Likelihood | Moderate | Low to Moderate | The risk to current site users from potential contamination associated with the adjacent site use is deemed as LOW to MODERATE . Given the current garden situated to the rear of the property, there is potential for current site users to encounter contaminated materials present within the shallow soils, which may have migrated from the historical depot/builder's yard situated immediately to the east. |
| | | Future Site Users | Low Likelihood | Moderate | Low to Moderate | The current proposal is to develop the property into 3 flats, with soft landscaping to the rear. The risk to future site users via direct exposure is considered to be LOW to MODERATE . The assessment is based on the sensitivity of the future receptor. |
| | | Construction Workers | Low Likelihood | Moderate | Low to Moderate | The potential for construction workers to be exposed to contaminated materials present beneath the site is considered LOW to MODERATE . However, exposure duration is expected to be short-term only and assuming appropriate health and safety measures are adopted (in line with CDM and other relevant health and safety guidance) risk to construction works should be mitigated. |
| | Vertical or lateral migration of Ground Gas (including VOCs) within shallow soils beneath site | Current Site Users | Low Likelihood | Moderate | Low to Moderate | Considering that fuels and hydrocarbon containing liquids may have been stored at the depot, the risk to current site users from ground gases and VOC vapours generated off site is considered LOW to MODERATE . |
| | | Future Site Users | Low Likelihood | Moderate | Low to Moderate | Considering that fuels and hydrocarbon containing liquids may have been stored at the depot, the risk to future site users from ground gases and VOC vapours |

| Source | Pathway | Receptor | Probability | Consequence | Risk | Comment |
|--------|---------|----------------------|----------------|-------------|-----------------|---|
| | | | | | | generated off site is considered LOW to MODERATE . |
| | | Construction Workers | Low Likelihood | Moderate | Low to Moderate | The risk to construction workers from exposure to ground gases and VOC vapours present within the shallow soils beneath the site is considered LOW to MODERATE . The risks are considered to be heightened during the excavation of the proposed basement. |

Preliminary Risk Assessment

- 6.9 From review of historical and current day information it has been identified that the assessment site was developed in 1895 with the terraced properties seen presently (now mixed commercial and residential in nature). It is expected that, given the age of the development, asbestos containing materials may have been used during its subsequent redevelopment and hence may be present within the shallow soils surrounding the development. In addition to the potential for asbestos, a depot and builders' yard have been present immediately to the east of site since 1936. The nature of the historical depot is unclear from current records, however given the proximity of the railway station, it is expected it would have seen various products, some potentially contaminating. Given the time which the depot has been present, and its proximity to site, it is considered possible that contamination originating from the depot may have migrated to beneath the assessment site.
- 6.10 Considering the current and proposed receptors on site, the potential pathways for contamination and the identified sources of contamination, the risk to current and proposed site users has been deemed as **Low to Moderate**. The primary risks associated with the site are thought to be from contaminated made ground deposits (mainly inorganic in nature but potentially containing toxic metals / asbestos) the potential for the made ground to produce ground gasses and the potential for contamination containing hydrocarbons from the adjoining depot.

7.0 CONCLUSIONS AND RECOMMENDATIONS

- 7.1 The PRA and CSM have highlighted potential pollution linkages associated with identified contamination sources and the current and future end uses of the site. A low to Moderate risk has therefore been assigned.
- 7.2 Given the above conclusions, it is recommended that a limited intrusive investigation is required to assess if the potential risks identified are present at the assessment site.
- 7.3 The investigation works should primarily focus on the potential presence of contamination within the shallow soils beneath site, however investigation works may also need to consider the potential for ground gas, especially if significant thicknesses of made ground are identified beneath site.
- 7.4 Based on the identified sources of contamination, it is recommended the following contaminants should be tested for in soils:
- Toxic Metals, Asbestos, Total Petroleum Hydrocarbons (TPHs), Polyaromatic Hydrocarbons (PAHs) and Volatile Organic Carbons (VOCs).*
- 7.5 As part of the intrusive works, geotechnical design information, including potential drainage options, foundation design information waste soil classification and basement design information should also be determined.
- 7.6 It is highlighted that during the site walkover Japanese Knotweed was identified within the soft landscaping area to the rear of the property. Due to the identification of Japanese Knotweed, advice should be sought from a specialist removals company to help remediate this area prior to development commencing.

APPENDIX 1
GROUNDSURE REPORT

148B, STATION ROAD, SIDCUP, DA15 7AB

Order Details

Date: 18/06/2020
Your ref: R0388
Our Ref: GS-6802164
Client: Earth Environmental & Geotechnical Ltd

Site Details

Location: 546244 172786
Area: 0.03 ha
Authority: [London Borough of Bexley](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

| Page | Section | Past land use | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-----------|------------|---|---------|-------|---------|----------|-----------|
| 14 | 1.1 | <u>Historical industrial land uses</u> | 0 | 0 | 18 | 9 | - |
| 16 | 1.2 | <u>Historical tanks</u> | 0 | 2 | 1 | 6 | - |
| 16 | 1.3 | <u>Historical energy features</u> | 0 | 0 | 3 | 15 | - |
| 17 | 1.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 18 | 1.5 | <u>Historical garages</u> | 0 | 0 | 3 | 3 | - |
| 18 | 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 |
| 19 | 2.1 | <u>Historical industrial land uses</u> | 0 | 0 | 26 | 13 | - |
| 21 | 2.2 | <u>Historical tanks</u> | 0 | 2 | 1 | 10 | - |
| 22 | 2.3 | <u>Historical energy features</u> | 0 | 0 | 12 | 35 | - |
| 24 | 2.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 24 | 2.5 | <u>Historical garages</u> | 0 | 0 | 10 | 5 | - |
| Page | Section | Waste and landfill | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 25 | 3.1 | Active or recent landfill | 0 | 0 | 0 | 0 | - |
| 25 | 3.2 | Historical landfill (BGS records) | 0 | 0 | 0 | 0 | - |
| 26 | 3.3 | Historical landfill (LA/mapping records) | 0 | 0 | 0 | 0 | - |
| 26 | 3.4 | Historical landfill (EA/NRW records) | 0 | 0 | 0 | 0 | - |
| 26 | 3.5 | Historical waste sites | 0 | 0 | 0 | 0 | - |
| 26 | 3.6 | Licensed waste sites | 0 | 0 | 0 | 0 | - |
| 26 | 3.7 | <u>Waste exemptions</u> | 0 | 0 | 0 | 6 | - |
| Page | Section | Current industrial land use | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 28 | 4.1 | <u>Recent industrial land uses</u> | 0 | 1 | 19 | - | - |
| 30 | 4.2 | Current or recent petrol stations | 0 | 0 | 0 | 0 | - |
| 30 | 4.3 | <u>Electricity cables</u> | 0 | 0 | 9 | 27 | - |
| 33 | 4.4 | Gas pipelines | 0 | 0 | 0 | 0 | - |
| 33 | 4.5 | Sites determined as Contaminated Land | 0 | 0 | 0 | 0 | - |



| | | | | | | | |
|-----------|-------------|--|---|---|---|---|---|
| 33 | 4.6 | Control of Major Accident Hazards (COMAH) | 0 | 0 | 0 | 0 | - |
| 33 | 4.7 | Regulated explosive sites | 0 | 0 | 0 | 0 | - |
| 34 | 4.8 | Hazardous substance storage/usage | 0 | 0 | 0 | 0 | - |
| 34 | 4.9 | Historical licensed industrial activities (IPC) | 0 | 0 | 0 | 0 | - |
| 34 | 4.10 | Licensed industrial activities (Part A(1)) | 0 | 0 | 0 | 0 | - |
| 34 | 4.11 | <u>Licensed pollutant release (Part A(2)/B)</u> | 0 | 1 | 0 | 2 | - |
| 35 | 4.12 | Radioactive Substance Authorisations | 0 | 0 | 0 | 0 | - |
| 35 | 4.13 | Licensed Discharges to controlled waters | 0 | 0 | 0 | 0 | - |
| 35 | 4.14 | Pollutant release to surface waters (Red List) | 0 | 0 | 0 | 0 | - |
| 35 | 4.15 | Pollutant release to public sewer | 0 | 0 | 0 | 0 | - |
| 36 | 4.16 | List 1 Dangerous Substances | 0 | 0 | 0 | 0 | - |
| 36 | 4.17 | List 2 Dangerous Substances | 0 | 0 | 0 | 0 | - |
| 36 | 4.18 | <u>Pollution Incidents (EA/NRW)</u> | 0 | 0 | 1 | 1 | - |
| 36 | 4.19 | Pollution inventory substances | 0 | 0 | 0 | 0 | - |
| 37 | 4.20 | Pollution inventory waste transfers | 0 | 0 | 0 | 0 | - |
| 37 | 4.21 | Pollution inventory radioactive waste | 0 | 0 | 0 | 0 | - |

| Page | Section | Hydrogeology | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-----------|------------|--|--------------------------|-------|---------|----------|-----------|
| 38 | 5.1 | Superficial aquifer | None (within 500m) | | | | |
| 39 | 5.2 | <u>Bedrock aquifer</u> | Identified (within 500m) | | | | |
| 41 | 5.3 | <u>Groundwater vulnerability</u> | Identified (within 50m) | | | | |
| 42 | 5.4 | Groundwater vulnerability- soluble rock risk | None (within 0m) | | | | |
| 42 | 5.5 | Groundwater vulnerability- local information | None (within 0m) | | | | |
| 43 | 5.6 | <u>Groundwater abstractions</u> | 0 | 0 | 0 | 0 | 4 |
| 44 | 5.7 | <u>Surface water abstractions</u> | 0 | 0 | 0 | 0 | 1 |
| 45 | 5.8 | <u>Potable abstractions</u> | 0 | 0 | 0 | 0 | 1 |
| 45 | 5.9 | <u>Source Protection Zones</u> | 1 | 0 | 0 | 0 | - |
| 46 | 5.10 | Source Protection Zones (confined aquifer) | 0 | 0 | 0 | 0 | - |
| Page | Section | Hydrology | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 47 | 6.1 | Water Network (OS MasterMap) | 0 | 0 | 0 | - | - |



| 47 | 6.2 | Surface water features | 0 | 0 | 0 | - | - |
|-----------|--------------|---|--|-------|---------|----------|-----------|
| 48 | 6.3 | <u>WFD Surface water body catchments</u> | 1 | - | - | - | - |
| 48 | 6.4 | <u>WFD Surface water bodies</u> | 0 | 0 | 0 | - | - |
| 49 | 6.5 | <u>WFD Groundwater bodies</u> | 1 | - | - | - | - |
| Page | Section | River and coastal flooding | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 50 | 7.1 | Risk of Flooding from Rivers and Sea (RoFRaS) | None (within 50m) | | | | |
| 50 | 7.2 | Historical Flood Events | 0 | 0 | 0 | - | - |
| 50 | 7.3 | Flood Defences | 0 | 0 | 0 | - | - |
| 50 | 7.4 | Areas Benefiting from Flood Defences | 0 | 0 | 0 | - | - |
| 51 | 7.5 | Flood Storage Areas | 0 | 0 | 0 | - | - |
| 52 | 7.6 | Flood Zone 2 | None (within 50m) | | | | |
| 52 | 7.7 | Flood Zone 3 | None (within 50m) | | | | |
| Page | Section | Surface water flooding | | | | | |
| 53 | 8.1 | <u>Surface water flooding</u> | 1 in 30 year, 0.3m - 1.0m (within 50m) | | | | |
| Page | Section | Groundwater flooding | | | | | |
| 55 | 9.1 | <u>Groundwater flooding</u> | Negligible (within 50m) | | | | |
| Page | Section | Environmental designations | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 56 | 10.1 | Sites of Special Scientific Interest (SSSI) | 0 | 0 | 0 | 0 | 0 |
| 57 | 10.2 | Conserved wetland sites (Ramsar sites) | 0 | 0 | 0 | 0 | 0 |
| 57 | 10.3 | Special Areas of Conservation (SAC) | 0 | 0 | 0 | 0 | 0 |
| 57 | 10.4 | Special Protection Areas (SPA) | 0 | 0 | 0 | 0 | 0 |
| 57 | 10.5 | National Nature Reserves (NNR) | 0 | 0 | 0 | 0 | 0 |
| 58 | 10.6 | <u>Local Nature Reserves (LNR)</u> | 0 | 0 | 0 | 0 | 2 |
| 58 | 10.7 | <u>Designated Ancient Woodland</u> | 0 | 0 | 0 | 0 | 4 |
| 58 | 10.8 | Biosphere Reserves | 0 | 0 | 0 | 0 | 0 |
| 59 | 10.9 | Forest Parks | 0 | 0 | 0 | 0 | 0 |
| 59 | 10.10 | Marine Conservation Zones | 0 | 0 | 0 | 0 | 0 |
| 59 | 10.11 | <u>Green Belt</u> | 0 | 0 | 0 | 0 | 4 |
| 59 | 10.12 | Proposed Ramsar sites | 0 | 0 | 0 | 0 | 0 |



| | | | | | | | |
|-----------|--------------|---|----------|---|---|---|----------|
| 60 | 10.13 | Possible Special Areas of Conservation (pSAC) | 0 | 0 | 0 | 0 | 0 |
| 60 | 10.14 | Potential Special Protection Areas (pSPA) | 0 | 0 | 0 | 0 | 0 |
| 60 | 10.15 | Nitrate Sensitive Areas | 0 | 0 | 0 | 0 | 0 |
| 60 | 10.16 | <u>Nitrate Vulnerable Zones</u> | 0 | 0 | 0 | 0 | 1 |
| 62 | 10.17 | <u>SSSI Impact Risk Zones</u> | 1 | - | - | - | - |
| 63 | 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 |
|------|---------|----------------------------------|---------|-------|---------|----------|-----------|
|------|---------|----------------------------------|---------|-------|---------|----------|-----------|

| | | | | | | | |
|-----------|-------------|--|---|----------|----------|---|---|
| 64 | 11.1 | World Heritage Sites | 0 | 0 | 0 | - | - |
| 65 | 11.2 | Area of Outstanding Natural Beauty | 0 | 0 | 0 | - | - |
| 65 | 11.3 | National Parks | 0 | 0 | 0 | - | - |
| 65 | 11.4 | <u>Listed Buildings</u> | 0 | 0 | 3 | - | - |
| 66 | 11.5 | <u>Conservation Areas</u> | 0 | 1 | 1 | - | - |
| 66 | 11.6 | Scheduled Ancient Monuments | 0 | 0 | 0 | - | - |
| 66 | 11.7 | <u>Registered Parks and Gardens</u> | 0 | 0 | 1 | - | - |

| Page | Section | Agricultural designations | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|------|---------|---------------------------|---------|-------|---------|----------|-----------|
|------|---------|---------------------------|---------|-------|---------|----------|-----------|

| | | | | | | | |
|-----------|-------------|--|---------------------|---|---|---|---|
| 67 | 12.1 | <u>Agricultural Land Classification</u> | Urban (within 250m) | | | | |
| 68 | 12.2 | Open Access Land | 0 | 0 | 0 | - | - |
| 68 | 12.3 | Tree Felling Licences | 0 | 0 | 0 | - | - |
| 68 | 12.4 | Environmental Stewardship Schemes | 0 | 0 | 0 | - | - |
| 68 | 12.5 | Countryside Stewardship Schemes | 0 | 0 | 0 | - | - |

| Page | Section | Habitat designations | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|------|---------|----------------------|---------|-------|---------|----------|-----------|
|------|---------|----------------------|---------|-------|---------|----------|-----------|

| | | | | | | | |
|-----------|-------------|--|---|---|----------|---|---|
| 69 | 13.1 | <u>Priority Habitat Inventory</u> | 0 | 0 | 8 | - | - |
| 70 | 13.2 | Habitat Networks | 0 | 0 | 0 | - | - |
| 70 | 13.3 | Open Mosaic Habitat | 0 | 0 | 0 | - | - |
| 70 | 13.4 | Limestone Pavement Orders | 0 | 0 | 0 | - | - |

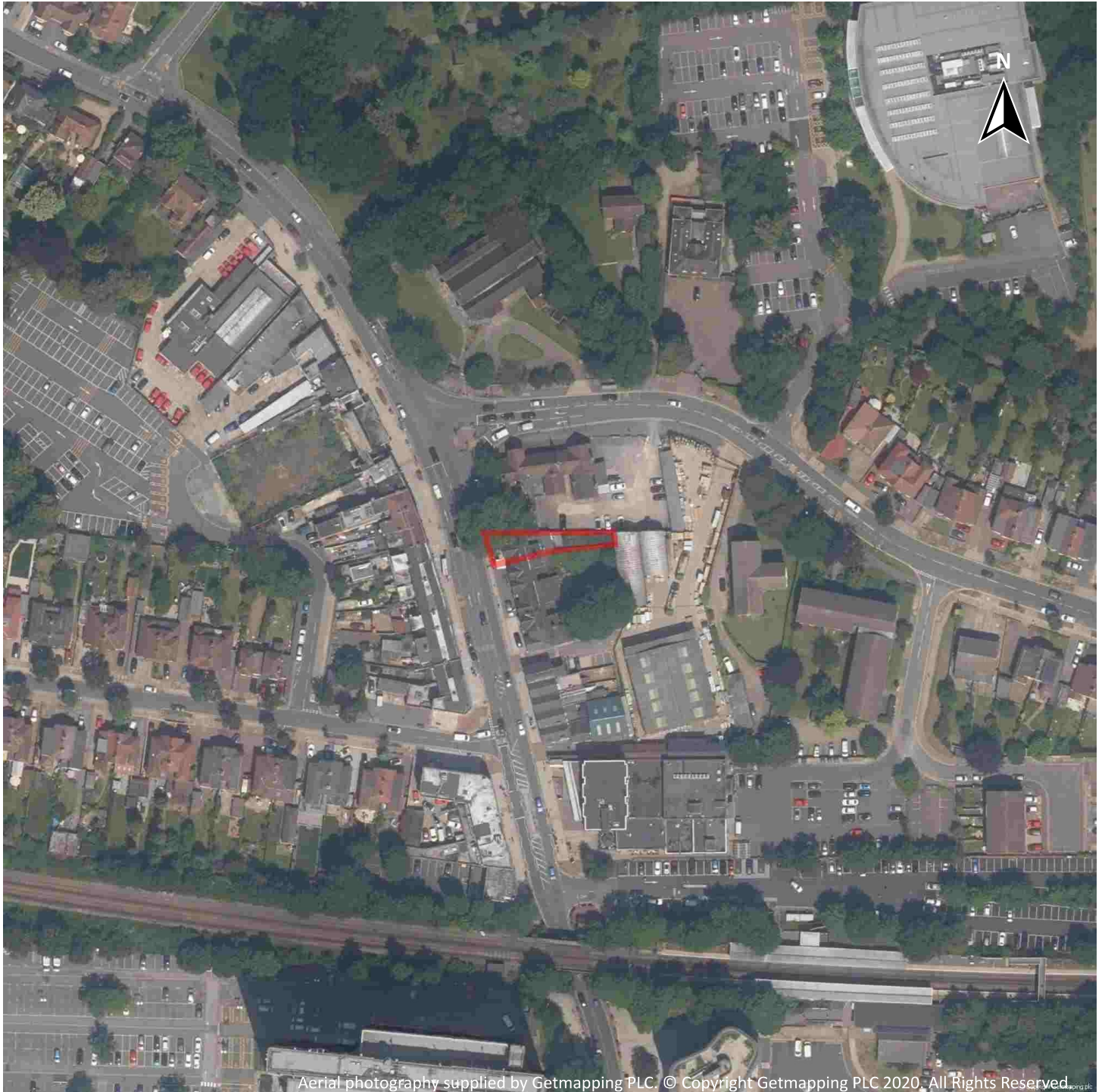
| Page | Section | Geology 1:10,000 scale | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|------|---------|------------------------|---------|-------|---------|----------|-----------|
|------|---------|------------------------|---------|-------|---------|----------|-----------|

| | | | | | | | |
|-----------|-------------|--|--------------------------|---|----------|----------|---|
| 71 | 14.1 | <u>10k Availability</u> | Identified (within 500m) | | | | |
| 72 | 14.2 | <u>Artificial and made ground (10k)</u> | 0 | 0 | 1 | 1 | - |
| 73 | 14.3 | Superficial geology (10k) | 0 | 0 | 0 | 0 | - |

| 73 | 14.4 | Landslip (10k) | 0 | 0 | 0 | 0 | - |
|-----------|-------------|---|--------------------------|-------|---------|----------|-----------|
| 74 | 14.5 | <u>Bedrock geology (10k)</u> | 1 | 0 | 0 | 2 | - |
| 75 | 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 |
| 76 | 15.1 | <u>50k Availability</u> | Identified (within 500m) | | | | |
| 77 | 15.2 | <u>Artificial and made ground (50k)</u> | 0 | 0 | 1 | 1 | - |
| 78 | 15.3 | Artificial ground permeability (50k) | 0 | 0 | - | - | - |
| 79 | 15.4 | Superficial geology (50k) | 0 | 0 | 0 | 0 | - |
| 79 | 15.5 | Superficial permeability (50k) | None (within 50m) | | | | |
| 79 | 15.6 | Landslip (50k) | 0 | 0 | 0 | 0 | - |
| 79 | 15.7 | Landslip permeability (50k) | None (within 50m) | | | | |
| 80 | 15.8 | <u>Bedrock geology (50k)</u> | 1 | 0 | 0 | 2 | - |
| 81 | 15.9 | <u>Bedrock permeability (50k)</u> | Identified (within 50m) | | | | |
| 81 | 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 |
| 82 | 16.1 | <u>BGS Boreholes</u> | 0 | 0 | 5 | - | - |
| Page | Section | Natural ground subsidence | | | | | |
| 84 | 17.1 | <u>Shrink swell clays</u> | Negligible (within 50m) | | | | |
| 85 | 17.2 | <u>Running sands</u> | Very low (within 50m) | | | | |
| 86 | 17.3 | <u>Compressible deposits</u> | Negligible (within 50m) | | | | |
| 87 | 17.4 | <u>Collapsible deposits</u> | Very low (within 50m) | | | | |
| 88 | 17.5 | <u>Landslides</u> | Very low (within 50m) | | | | |
| 89 | 17.6 | <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 |
| 90 | 18.1 | Natural cavities | 0 | 0 | 0 | 0 | - |
| 91 | 18.2 | BritPits | 0 | 0 | 0 | 0 | - |
| 91 | 18.3 | <u>Surface ground workings</u> | 0 | 0 | 3 | - | - |
| 91 | 18.4 | Underground workings | 0 | 0 | 0 | 0 | 0 |
| 91 | 18.5 | Historical Mineral Planning Areas | 0 | 0 | 0 | 0 | - |

| | | | | | | | |
|-------------|----------------|---|--------------------------|--------------|----------------|-----------------|------------------|
| 92 | 18.6 | <u>Non-coal mining</u> | 1 | 0 | 0 | 0 | 0 |
| 92 | 18.7 | Mining cavities | 0 | 0 | 0 | 0 | 0 |
| 92 | 18.8 | JPB mining areas | None (within 0m) | | | | |
| 92 | 18.9 | Coal mining | None (within 0m) | | | | |
| 93 | 18.10 | Brine areas | None (within 0m) | | | | |
| 93 | 18.11 | Gypsum areas | None (within 0m) | | | | |
| 93 | 18.12 | Tin mining | None (within 0m) | | | | |
| 93 | 18.13 | Clay mining | None (within 0m) | | | | |
| Page | Section | Radon | | | | | |
| 94 | 19.1 | <u>Radon</u> | Less than 1% (within 0m) | | | | |
| Page | Section | Soil chemistry | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 95 | 20.1 | <u>BGS Estimated Background Soil Chemistry</u> | 1 | 0 | - | - | - |
| 95 | 20.2 | <u>BGS Estimated Urban Soil Chemistry</u> | 1 | 5 | - | - | - |
| 96 | 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 |
| 97 | 21.1 | Underground railways (London) | 0 | 0 | 0 | - | - |
| 97 | 21.2 | Underground railways (Non-London) | 0 | 0 | 0 | - | - |
| 98 | 21.3 | Railway tunnels | 0 | 0 | 0 | - | - |
| 98 | 21.4 | <u>Historical railway and tunnel features</u> | 0 | 0 | 20 | - | - |
| 99 | 21.5 | Royal Mail tunnels | 0 | 0 | 0 | - | - |
| 99 | 21.6 | Historical railways | 0 | 0 | 0 | - | - |
| 99 | 21.7 | <u>Railways</u> | 0 | 0 | 10 | - | - |
| 100 | 21.8 | Crossrail 1 | 0 | 0 | 0 | 0 | - |
| 100 | 21.9 | Crossrail 2 | 0 | 0 | 0 | 0 | - |
| 100 | 21.10 | HS2 | 0 | 0 | 0 | 0 | - |

Recent aerial photograph

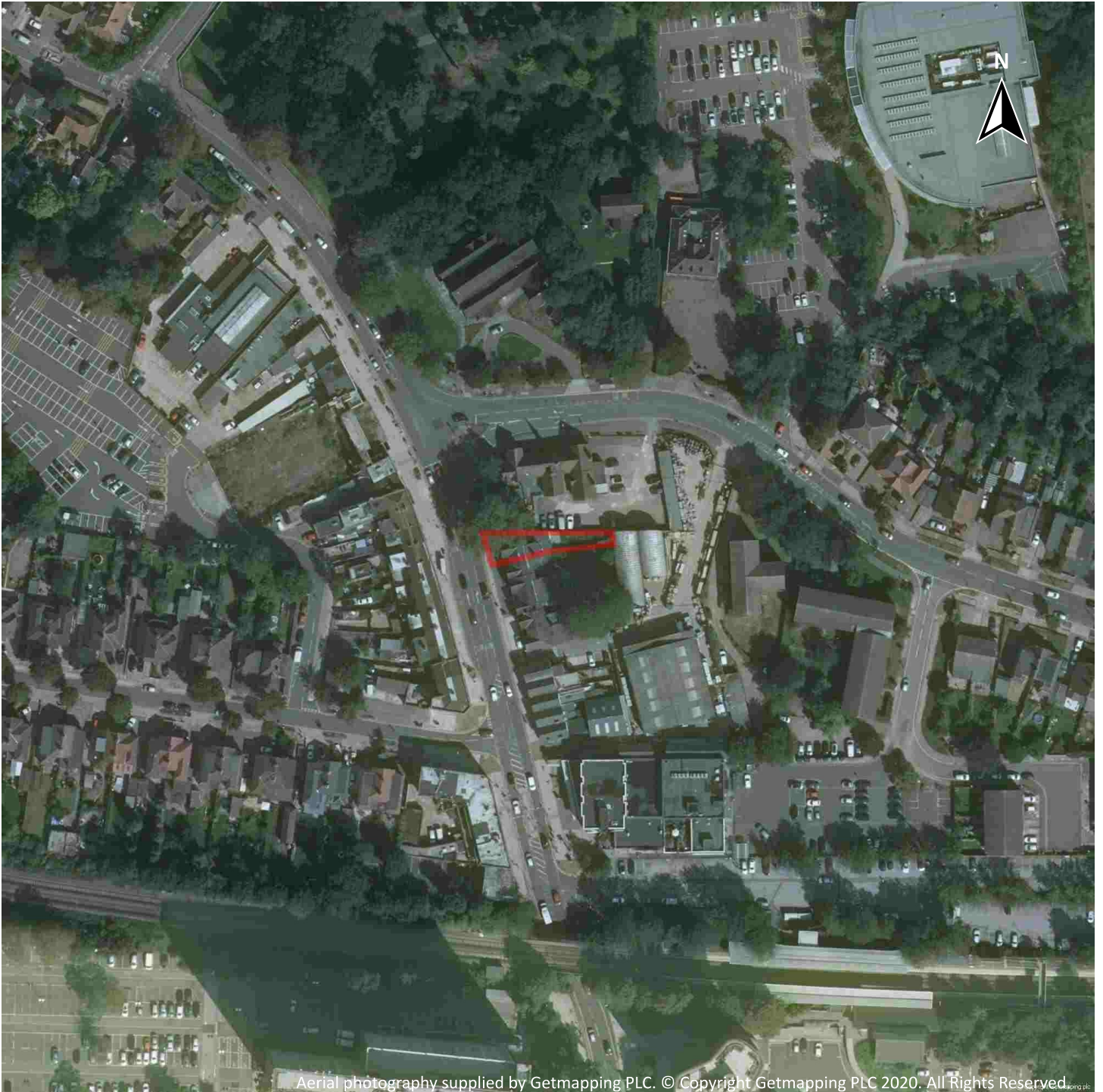


Capture Date: 29/06/2019

Site Area: 0.03ha



Recent site history - 2018 aerial photograph

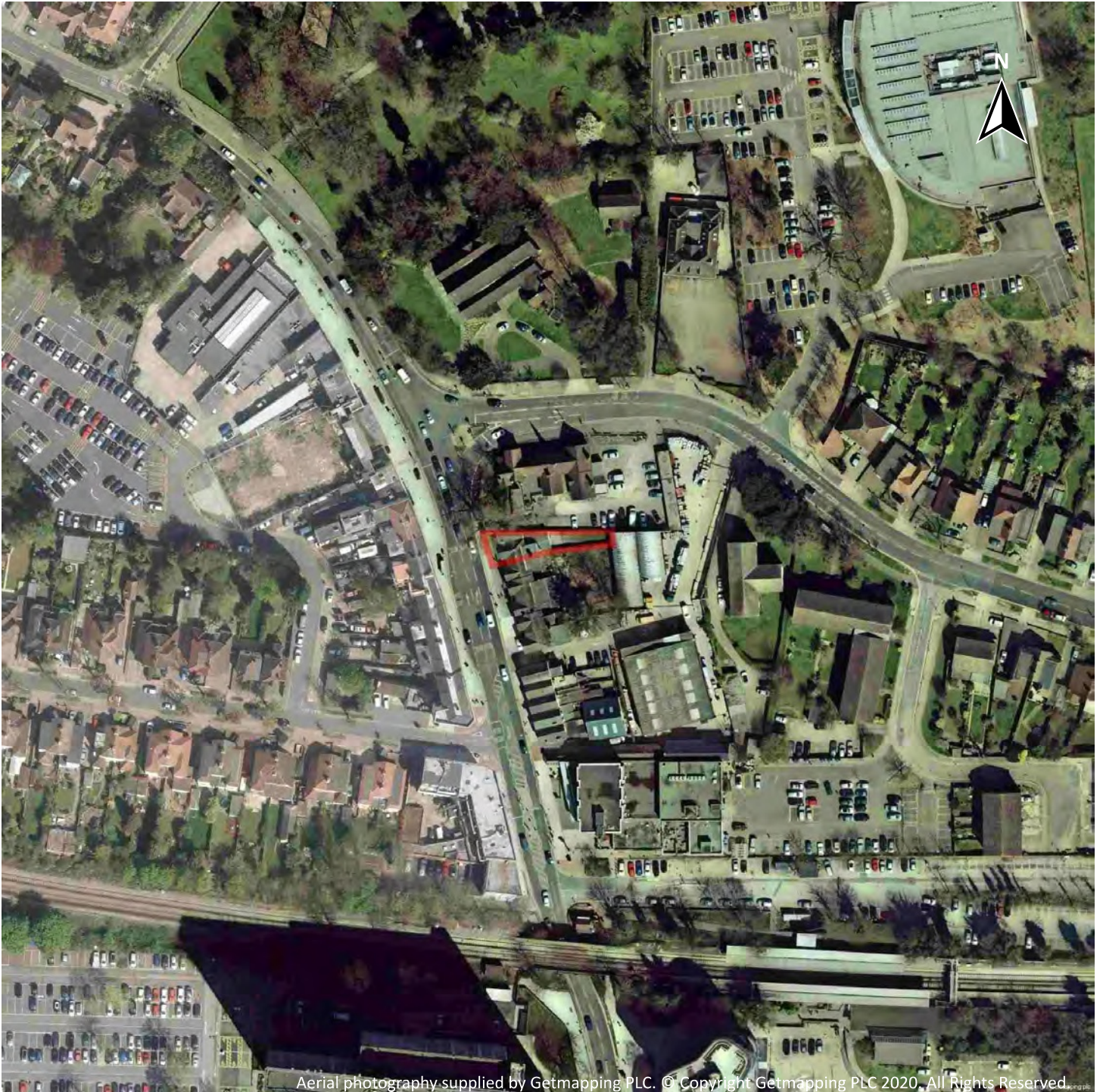


Capture Date: 21/10/2018

Site Area: 0.03ha



Recent site history - 2014 aerial photograph

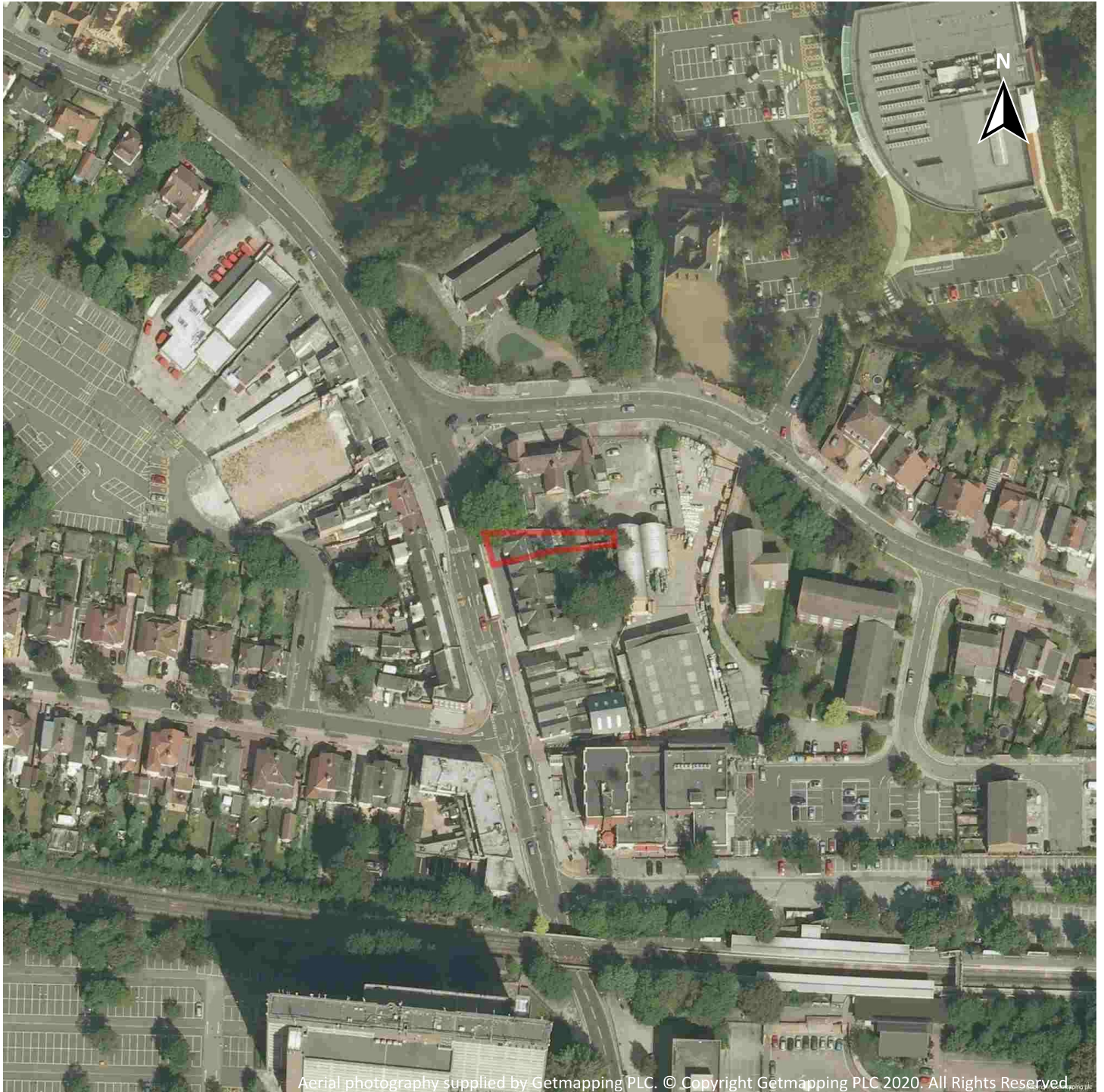


Capture Date: 16/04/2014

Site Area: 0.03ha



Recent site history - 2009 aerial photograph



Capture Date: 27/09/2009

Site Area: 0.03ha



Recent site history - 1999 aerial photograph



Capture Date: 04/09/1999

Site Area: 0.03ha



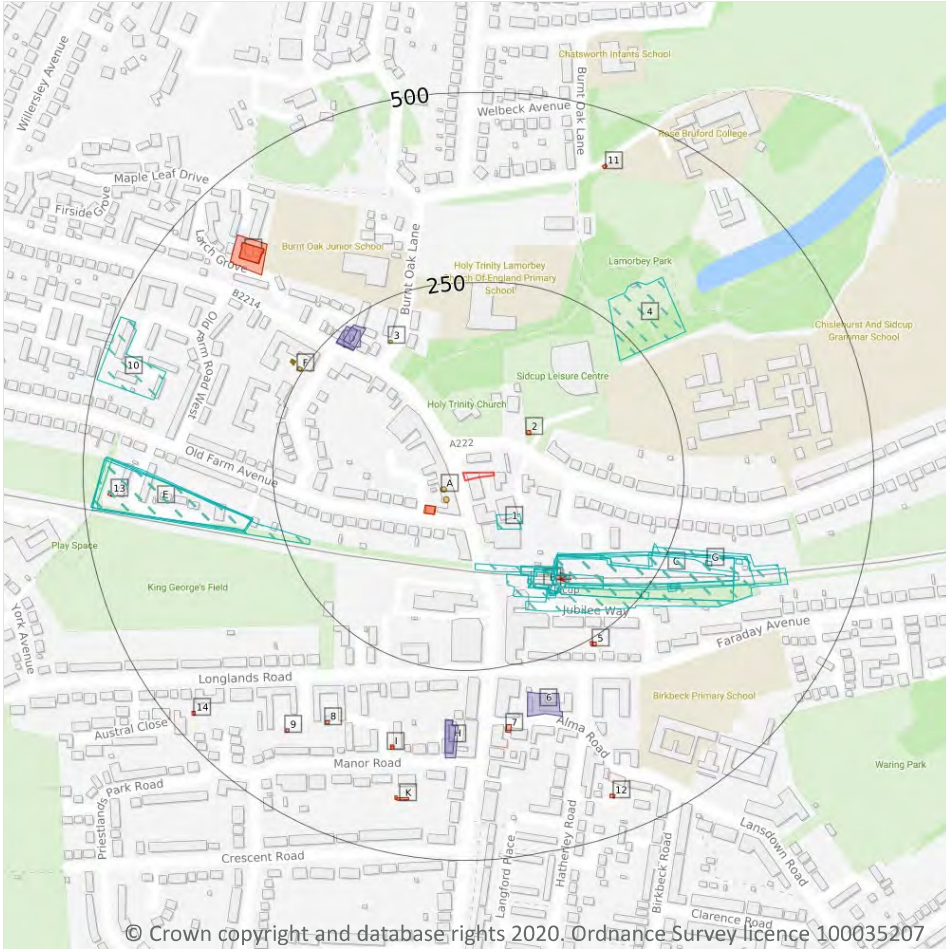
OS MasterMap site plan



Site Area: 0.03ha



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 **27**

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 14**

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| 1 | 52m S | Smithy | 1888 - 1895 | 2248579 |



| ID | Location | Land use | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| B | 110m S | Railway Station | 1888 - 1988 | 2210465 |
| B | 124m S | Railway Station | 1966 - 1973 | 2293928 |
| C | 124m S | Railway Sidings | 1966 - 1973 | 2281174 |
| C | 134m SE | Railway Sidings | 1914 | 2274660 |
| C | 134m SE | Railway Sidings | 1938 | 2282291 |
| C | 134m SE | Railway Sidings | 1908 | 2229677 |
| B | 134m SE | Railway Station | 1931 - 1938 | 2194958 |
| B | 134m SE | Railway Station | 1895 - 1908 | 2274037 |
| B | 135m SE | Railway Station | 1938 | 2283165 |
| B | 135m SE | Railway Station | 1914 | 2293742 |
| C | 135m SE | Railway Sidings | 1931 - 1938 | 2169359 |
| C | 136m SE | Railway Sidings | 1888 - 1895 | 2180710 |
| B | 136m S | Railway Station | 1948 | 2191049 |
| C | 136m S | Railway Sidings | 1948 | 2287754 |
| E | 219m W | Nursery | 1948 | 2235119 |
| 4 | 222m NE | Nursery | 1973 | 2161450 |
| C | 247m SE | Railway Building | 1948 | 2150358 |
| C | 271m SE | Railway Building | 1948 | 2266728 |
| C | 271m SE | Railway Building | 1908 | 2245934 |
| C | 273m SE | Railway Building | 1931 - 1938 | 2209310 |
| E | 283m W | Nursery | 1888 - 1895 | 2272712 |
| E | 283m W | Unspecified Commercial/Industrial | 1908 | 2131177 |
| E | 285m W | Nursery | 1931 - 1938 | 2189029 |
| G | 300m E | Railway Building | 1931 - 1938 | 2222401 |
| G | 337m E | Railway Building | 1948 | 2150359 |
| 10 | 413m W | Nursery | 1966 | 2161449 |

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

9

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 14**

| ID | Location | Land use | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| A | 27m SW | Unspecified Tank | 1933 | 366281 |
| A | 32m SW | Unspecified Tank | 1933 | 366280 |
| 3 | 195m NW | Unspecified Tank | 1933 | 366279 |
| F | 252m NW | Tanks | 1974 | 378224 |
| F | 264m NW | Tanks | 1990 - 1991 | 386653 |
| F | 265m NW | Tanks | 1974 - 1979 | 381973 |
| F | 265m NW | Tanks | 1988 | 380536 |
| F | 265m NW | Tanks | 1988 | 380537 |
| F | 268m NW | Tanks | 1986 | 410279 |

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

18

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 14**

| ID | Location | Land use | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| A | 52m SW | Electricity Substation | 1979 - 1988 | 277408 |
| A | 52m SW | Electricity Substation | 1974 - 1991 | 265655 |



| ID | Location | Land use | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| 2 | 66m NE | Electricity Substation | 1974 - 1991 | 269589 |
| 5 | 253m SE | Electricity Substation | 1974 - 1979 | 279194 |
| 7 | 326m S | Electricity Substation | 1974 | 247935 |
| I | 361m S | Electricity Substation | 1987 | 257192 |
| I | 362m S | Electricity Substation | 1974 - 1991 | 261144 |
| 8 | 363m SW | Electricity Substation | 1974 - 1991 | 273335 |
| J | 371m NW | Electricity Substation | 1988 - 1993 | 267024 |
| J | 384m NW | Electricity Substation | 1956 | 252520 |
| J | 386m NW | Electricity Substation | 1956 - 1982 | 260722 |
| 9 | 401m SW | Electricity Substation | 1964 - 1988 | 270100 |
| K | 424m S | Electricity Substation | 1987 - 1991 | 287857 |
| K | 425m S | Electricity Substation | 1974 | 289675 |
| 11 | 425m N | Electricity Substation | 1985 - 1995 | 287327 |
| 12 | 447m S | Electricity Substation | 1974 - 1991 | 267486 |
| 13 | 461m W | Electricity Substation | 1971 - 1991 | 276922 |
| 14 | 467m SW | Electricity Substation | 1964 - 1988 | 274435 |

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

6

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 14**

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| D | 216m NW | Garage | 1991 | 77730 |
| D | 216m NW | Garage | 1979 - 1990 | 81922 |
| D | 225m NW | Garage | 1959 - 1974 | 81880 |
| 6 | 288m S | Garage | 1959 - 1960 | 84212 |
| H | 316m S | Garage | 1960 - 1974 | 83743 |
| H | 316m S | Garage | 1959 | 75048 |

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

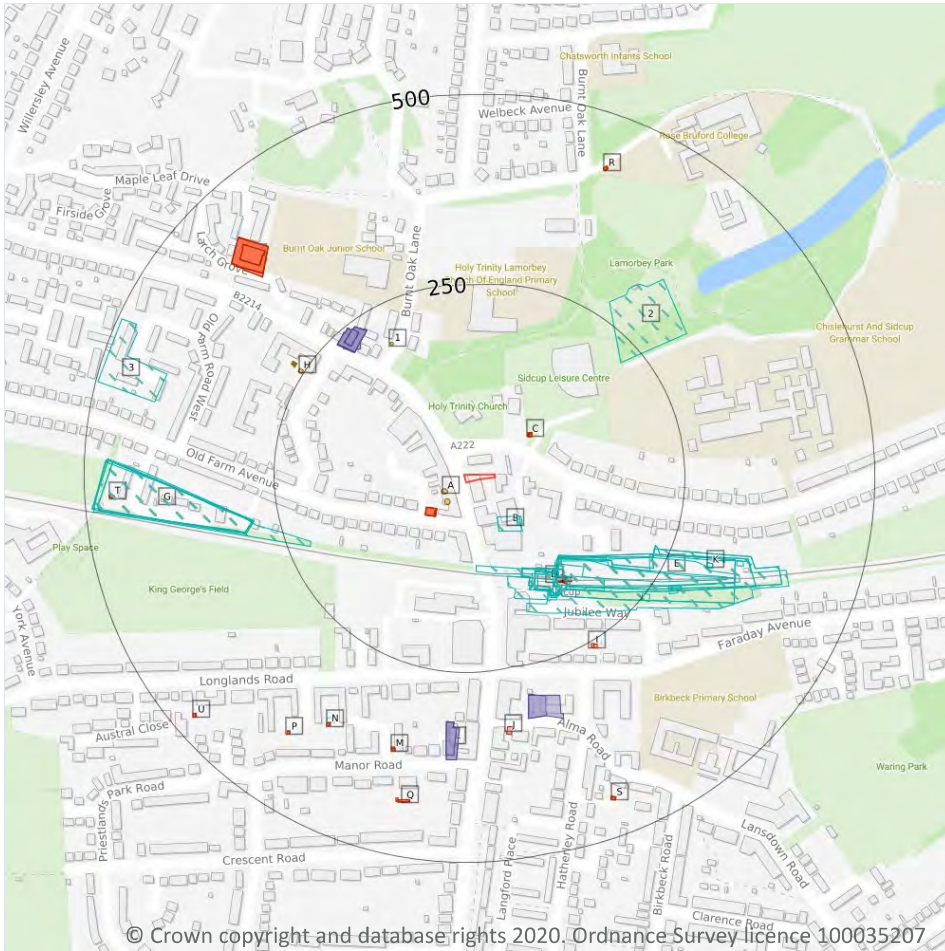
0

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 **39**

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 19**

| ID | Location | Land Use | Date | Group ID |
|----|----------|-----------------|------|----------|
| B | 52m S | Smithy | 1895 | 2248579 |
| B | 59m SE | Smithy | 1888 | 2248579 |
| D | 110m S | Railway Station | 1888 | 2210465 |

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------|------|----------|
| D | 124m S | Railway Station | 1973 | 2293928 |
| D | 124m S | Railway Station | 1966 | 2293928 |
| E | 124m S | Railway Sidings | 1973 | 2281174 |
| E | 124m S | Railway Sidings | 1966 | 2281174 |
| D | 131m S | Railway Station | 1988 | 2210465 |
| E | 134m SE | Railway Sidings | 1938 | 2282291 |
| E | 134m SE | Railway Sidings | 1914 | 2274660 |
| E | 134m SE | Railway Sidings | 1908 | 2229677 |
| D | 134m SE | Railway Station | 1938 | 2194958 |
| D | 134m SE | Railway Station | 1931 | 2194958 |
| D | 134m SE | Railway Station | 1908 | 2274037 |
| D | 134m SE | Railway Station | 1895 | 2274037 |
| D | 135m SE | Railway Station | 1938 | 2283165 |
| D | 135m SE | Railway Station | 1914 | 2293742 |
| E | 135m SE | Railway Sidings | 1938 | 2169359 |
| E | 135m SE | Railway Sidings | 1931 | 2169359 |
| E | 136m SE | Railway Sidings | 1895 | 2180710 |
| D | 136m S | Railway Station | 1948 | 2191049 |
| E | 136m S | Railway Sidings | 1948 | 2287754 |
| E | 137m SE | Railway Sidings | 1888 | 2180710 |
| G | 219m W | Nursery | 1948 | 2235119 |
| 2 | 222m NE | Nursery | 1973 | 2161450 |
| E | 247m SE | Railway Building | 1948 | 2150358 |
| E | 271m SE | Railway Building | 1948 | 2266728 |
| E | 271m SE | Railway Building | 1908 | 2245934 |
| E | 273m SE | Railway Building | 1938 | 2209310 |
| E | 273m SE | Railway Building | 1931 | 2209310 |
| G | 283m W | Nursery | 1888 | 2272712 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| G | 283m W | Unspecified Commercial/Industrial | 1908 | 2131177 |
| G | 284m W | Nursery | 1895 | 2272712 |
| G | 285m W | Nursery | 1938 | 2189029 |
| G | 285m W | Nursery | 1931 | 2189029 |
| K | 300m E | Railway Building | 1938 | 2222401 |
| K | 300m E | Railway Building | 1931 | 2222401 |
| K | 337m E | Railway Building | 1948 | 2150359 |
| 3 | 413m W | Nursery | 1966 | 2161449 |

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

| | |
|----------------------------|-----------|
| Records within 500m | 13 |
|----------------------------|-----------|

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 19**

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------|------|----------|
| A | 27m SW | Unspecified Tank | 1933 | 366281 |
| A | 32m SW | Unspecified Tank | 1933 | 366280 |
| 1 | 195m NW | Unspecified Tank | 1933 | 366279 |
| H | 252m NW | Tanks | 1974 | 378224 |
| H | 264m NW | Tanks | 1991 | 386653 |
| H | 265m NW | Tanks | 1974 | 381973 |
| H | 265m NW | Tanks | 1979 | 381973 |
| H | 265m NW | Tanks | 1979 | 381973 |
| H | 265m NW | Tanks | 1988 | 380537 |
| H | 265m NW | Tanks | 1988 | 380536 |
| H | 265m NW | Tanks | 1990 | 386653 |
| H | 266m NW | Tanks | 1991 | 386653 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|----------|------|----------|
| H | 268m NW | Tanks | 1986 | 410279 |

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

| | |
|----------------------------|-----------|
| Records within 500m | 47 |
|----------------------------|-----------|

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 19**

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| A | 52m SW | Electricity Substation | 1979 | 277408 |
| A | 52m SW | Electricity Substation | 1988 | 277408 |
| A | 52m SW | Electricity Substation | 1974 | 265655 |
| A | 53m SW | Electricity Substation | 1991 | 265655 |
| A | 53m SW | Electricity Substation | 1990 | 265655 |
| C | 66m NE | Electricity Substation | 1991 | 269589 |
| C | 67m NE | Electricity Substation | 1974 | 269589 |
| C | 68m NE | Electricity Substation | 1979 | 269589 |
| C | 68m NE | Electricity Substation | 1979 | 269589 |
| C | 68m NE | Electricity Substation | 1988 | 269589 |
| C | 68m NE | Electricity Substation | 1988 | 269589 |
| C | 68m NE | Electricity Substation | 1990 | 269589 |
| I | 253m SE | Electricity Substation | 1979 | 279194 |
| I | 255m SE | Electricity Substation | 1974 | 279194 |
| J | 326m S | Electricity Substation | 1974 | 247935 |
| M | 361m S | Electricity Substation | 1987 | 257192 |
| M | 362m S | Electricity Substation | 1974 | 261144 |
| M | 362m S | Electricity Substation | 1991 | 261144 |
| N | 363m SW | Electricity Substation | 1991 | 273335 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| N | 364m SW | Electricity Substation | 1974 | 273335 |
| N | 364m SW | Electricity Substation | 1987 | 273335 |
| O | 371m NW | Electricity Substation | 1988 | 267024 |
| O | 371m NW | Electricity Substation | 1989 | 267024 |
| O | 375m NW | Electricity Substation | 1992 | 267024 |
| O | 376m NW | Electricity Substation | 1993 | 267024 |
| O | 376m NW | Electricity Substation | 1991 | 267024 |
| O | 376m NW | Electricity Substation | 1993 | 267024 |
| O | 384m NW | Electricity Substation | 1956 | 252520 |
| O | 386m NW | Electricity Substation | 1982 | 260722 |
| O | 386m NW | Electricity Substation | 1956 | 260722 |
| P | 401m SW | Electricity Substation | 1964 | 270100 |
| P | 401m SW | Electricity Substation | 1988 | 270100 |
| Q | 424m S | Electricity Substation | 1991 | 287857 |
| Q | 424m S | Electricity Substation | 1987 | 287857 |
| Q | 425m S | Electricity Substation | 1974 | 289675 |
| R | 425m N | Electricity Substation | 1995 | 287327 |
| R | 425m N | Electricity Substation | 1991 | 287327 |
| R | 426m N | Electricity Substation | 1985 | 287327 |
| R | 426m N | Electricity Substation | 1992 | 287327 |
| S | 447m S | Electricity Substation | 1974 | 267486 |
| S | 447m S | Electricity Substation | 1991 | 267486 |
| S | 447m S | Electricity Substation | 1987 | 267486 |
| T | 461m W | Electricity Substation | 1971 | 276922 |
| T | 462m W | Electricity Substation | 1991 | 276922 |
| T | 462m W | Electricity Substation | 1986 | 276922 |
| U | 467m SW | Electricity Substation | 1964 | 274435 |
| U | 469m SW | Electricity Substation | 1988 | 274435 |

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 | 15 |
|----------------------------|-----------|

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'.

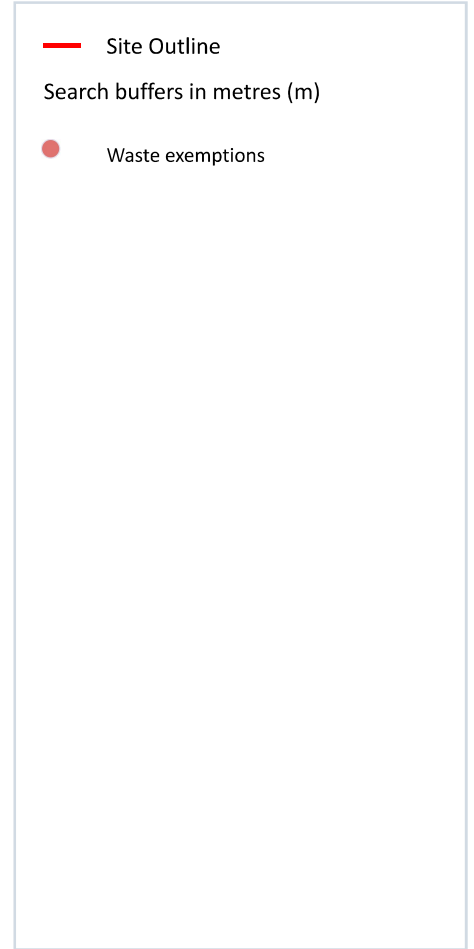
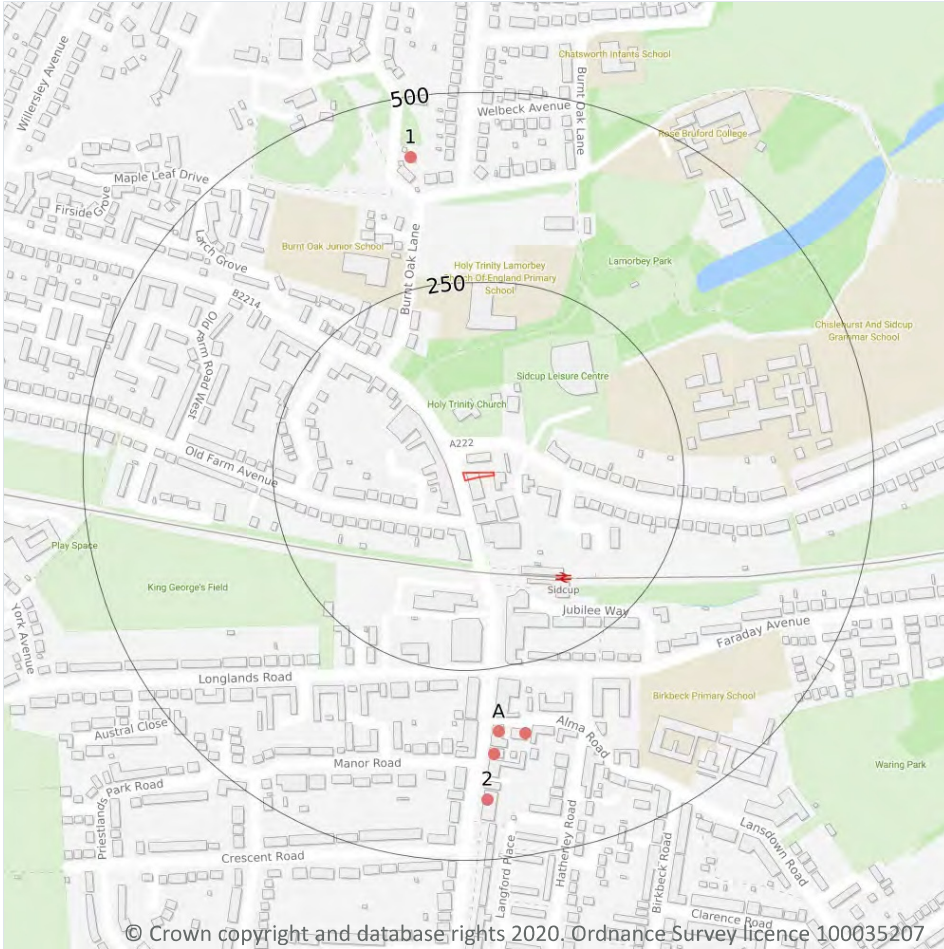
Features are displayed on the Past land use - un-grouped map on **page 19**

| ID | Location | Land Use | Date | Group ID |
|----|----------|----------|------|----------|
| F | 216m NW | Garage | 1991 | 77730 |
| F | 216m NW | Garage | 1979 | 81922 |
| F | 216m NW | Garage | 1979 | 81922 |
| F | 216m NW | Garage | 1988 | 81922 |
| F | 216m NW | Garage | 1988 | 81922 |
| F | 216m NW | Garage | 1990 | 81922 |
| F | 225m NW | Garage | 1959 | 81880 |
| F | 225m NW | Garage | 1960 | 81880 |
| F | 225m NW | Garage | 1959 | 81880 |
| F | 225m NW | Garage | 1974 | 81880 |
| J | 288m S | Garage | 1959 | 84212 |
| J | 290m S | Garage | 1960 | 84212 |
| L | 316m S | Garage | 1960 | 83743 |
| L | 316m S | Garage | 1974 | 83743 |
| L | 316m S | Garage | 1959 | 75048 |

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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 **0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m **0**

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.

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

3.5 Historical waste sites

Records within 500m **0**

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

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

3.6 Licensed waste sites

Records within 500m **0**

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

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

3.7 Waste exemptions

Records within 500m **6**

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 25**

| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|--|-----------|--------------------------|---------------|------------------------------|
| A | 334m S | NUMERIC HOUSE, 98 STATION RD, SIDCUP, KENT, DA15 7BY | WEX098588 | Using waste exemption | Not on a farm | Use of waste in construction |

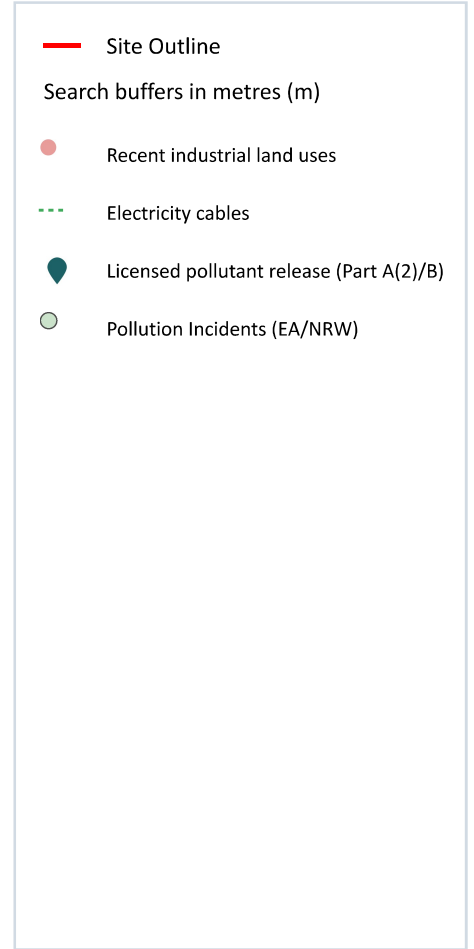
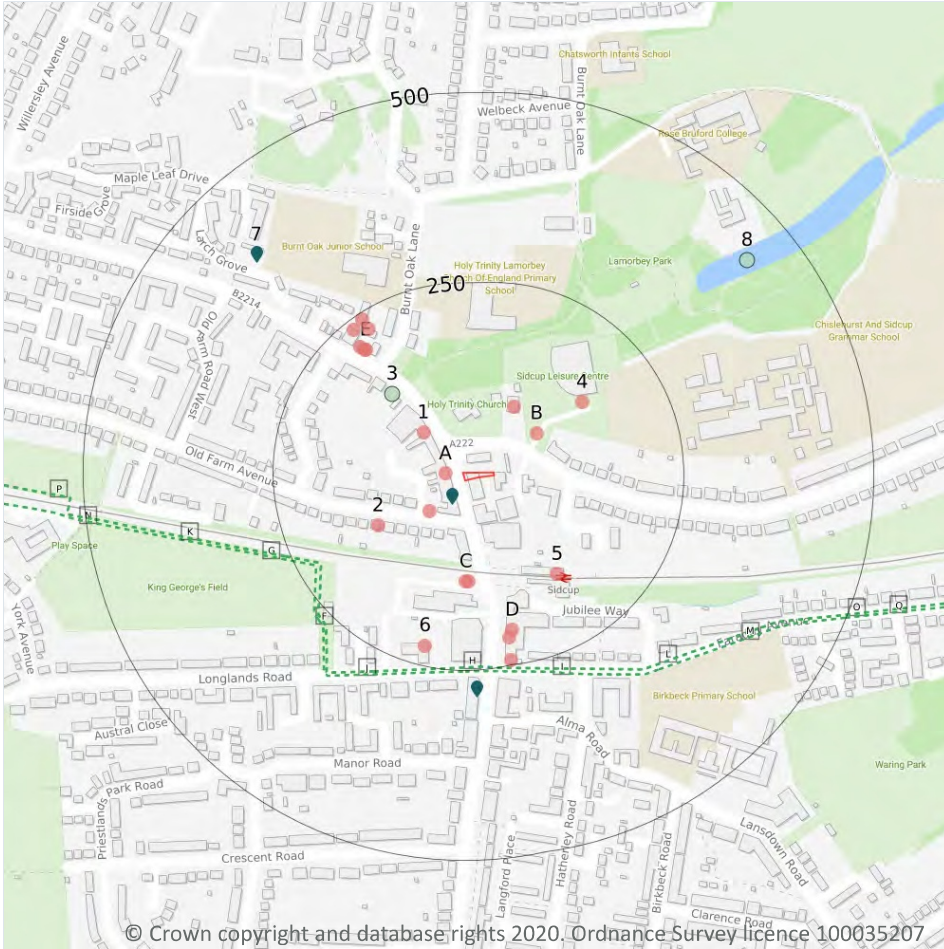


| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|--|-----------------------|------------------------------------|------------------------------------|---|
| A | 342m S | Albany Medical Centre, 2 Alma Road, Sidcup, Sidcup, DA14 4EA | WEX128518 | Treating waste exemption | Not on a farm | Sorting and de-naturing of controlled drugs for disposal |
| A | 362m S | 88, STATION ROAD, SIDCUP, DA15 7DU | WEX230731 | Treating waste exemption | Not on a farm | Sorting and de-naturing of controlled drugs for disposal |
| A | 362m S | 88, STATION ROAD, SIDCUP, DA15 7DU | WEX084936 | Treating waste exemption | Not on a farm | Sorting and de-naturing of controlled drugs for disposal |
| 1 | 421m N | 6, ROWANWOOD AVENUE, SIDCUP, DA15 8WN | WEX237114 | Disposing of waste exemption | Not on a farm | Burning waste in the open |
| 2 | 421m S | 88 Station Road SIDCUP Kent DA15 7DU | EPR/VF0236VR /A001 | Treating waste exemption | Non- Agricultural Waste Only | Sorting and de-naturing of controlled drugs for disposal |

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

20

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 28**

| ID | Location | Company | Address | Activity | Category |
|----|----------|-------------------------|--|----------------------------------|-------------------------------|
| A | 23m W | B B Q Barn | 145, Station Road, Sidcup, Greater London, DA15 7AA | Garden Goods | Consumer Products |
| A | 62m SW | Electricity Sub Station | Greater London, DA15 | Electrical Features | Infrastructure and Facilities |
| 1 | 74m NW | V & D Flooring Ltd | A 165 Station Road, Sidcup, Greater London, DA15 7AA | Construction Completion Services | Construction Services |



| ID | Location | Company | Address | Activity | Category |
|----|----------|-------------------------------------|---|---------------------------------------|---|
| B | 77m NE | Electricity Sub Station | Greater London, DA15 | Electrical Features | Infrastructure and Facilities |
| B | 90m N | Brookes Bell | 3, Hurst Road, Sidcup, Greater London, DA15 9AE | Marine Engineers and Services | Engineering Services |
| 2 | 129m SW | Connect Airport | 21, Old Farm Avenue, Sidcup, Greater London, DA15 8AD | Airlines and Airline Services | Transport, Storage and Delivery |
| C | 133m S | Electricity Sub Station | Greater London, DA15 | Electrical Features | Infrastructure and Facilities |
| C | 133m S | Electricity Sub Station | Greater London, DA15 | Electrical Features | Infrastructure and Facilities |
| 4 | 149m NE | Electricity Sub Station | Greater London, DA15 | Electrical Features | Infrastructure and Facilities |
| 5 | 154m SE | Sidcup Rail Station | Greater London, DA15 | Railway Stations, Junctions and Halts | Public Transport, Stations and Infrastructure |
| D | 205m S | Micraman | 1a Station Parade, Station Road, Sidcup, Greater London, DA15 7DB | Secondhand Vehicles | Motoring |
| E | 207m NW | T O C Autos | 4, Halfway Street, Sidcup, Greater London, DA15 8LL | Vehicle Repair, Testing and Servicing | Repair and Servicing |
| E | 207m NW | Sidcup Auto Repairs | 4, Halfway Street, Sidcup, Greater London, DA15 8LL | Vehicle Repair, Testing and Servicing | Repair and Servicing |
| D | 214m S | Balloons by Best Wishes | 3 Station Parade, Station Road, Sidcup, Greater London, DA15 7DB | Giftware | Consumer Products |
| E | 214m NW | Toc Autos | 6, Halfway Street, Sidcup, Greater London, DA15 8LL | Vehicle Repair, Testing and Servicing | Repair and Servicing |
| 6 | 223m S | International Surveyors & Adjusters | Webster House, 207, Longlands Road, Sidcup, Greater London, DA15 | Marine Engineers and Services | Engineering Services |
| E | 226m NW | R P Motor Repairs | 40, Rosebery Avenue, Sidcup, Greater London, DA15 8HZ | Vehicle Repair, Testing and Servicing | Repair and Servicing |
| E | 237m NW | Signpost | 12-14, Halfway Street, Sidcup, Greater London, DA15 8LL | Signs | Industrial Products |
| E | 242m NW | M P Motors | 8, Halfway Street, Sidcup, Greater London, DA15 8LL | Vehicle Repair, Testing and Servicing | Repair and Servicing |



| ID | Location | Company | Address | Activity | Category |
|----|----------|---------------------|---|----------|---------------------|
| D | 244m S | Specialist Glass Co | 9b Station Parade, Station Road, Sidcup, Greater London, DA15 7DB | Glass | Industrial Products |

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 | 36 |
|----------------------------|-----------|

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on **page 28**

| ID | Location | Cable Set | Cable Route | Details | |
|----|----------|----------------|---------------------|--|---|
| F | 219m SW | - | - | Cable Make: - Cable Type: PILOT Operating Voltage (kV): - | Year of installation: Not specified Cable in tunnel? Not specified |
| F | 219m SW | CABLE SECT 111 | HURST - NEW CROSS 1 | Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275 | Year of installation: 1967 Cable in tunnel? No |
| F | 220m SW | - | - | Cable Make: - Cable Type: PILOT Operating Voltage (kV): - | Year of installation: Not specified Cable in tunnel? Not specified |
| G | 226m SW | - | - | Cable Make: - Cable Type: PILOT Operating Voltage (kV): - | Year of installation: Not specified Cable in tunnel? Not specified |
| G | 226m SW | - | - | Cable Make: - Cable Type: PILOT Operating Voltage (kV): - | Year of installation: Not specified Cable in tunnel? Not specified |
| G | 226m SW | CABLE SECT 112 | HURST - NEW CROSS 2 | Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275 | Year of installation: 1967 Cable in tunnel? No |
| H | 245m S | - | - | Cable Make: - Cable Type: PILOT Operating Voltage (kV): - | Year of installation: Not specified Cable in tunnel? Not specified |

