Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

Prepared by:

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Basis of Report

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1.0 Introduction

1.1 Background

In November 2023 SLR was commissioned by Motor Fuel Group Limited (MFG) to undertake a Phase One (desk study) environmental assessment of Haverhill Service Station located on Sturmer Road, Haverhill, Suffolk, CB9 7UU (the site). SLR's assessment was requested to support a planning application relating to the construction of new electric vehicle (EV) charging bays, two new jetwash bays and a 'food-to-go' (FTG) pod in the west of the site that was most recently used as a used car dealership. It is understood that the proposed works involve no alterations to the existing fuel storage and supply infrastructure.

The site location plan is shown at Drawing 01 (Appendix A) with the current site layout shown at Drawing 02 (Appendix A) The proposed development plans are presented at Appendix B.

1.2 Scope & Objectives

This document has been prepared in response to an Environment Agency objection to the proposed development at planning application stage, received via email from the Planning Officer at West Suffolk Council dated 19 October 2023, that stated the following:

> *I have also noticed we have an objection from the environment agency. To overcome this, you should provide a Preliminary Risk Assessment (PRA), including a Desk Study, Conceptual Site Model and initial assessment of risk, to satisfactorily demonstrate to the Local Planning Authority that the risk to controlled waters has been fully understood and can be addressed through appropriate measures.*

This assessment provides information about the environmental condition of the site including site history, current uses, geology, hydrogeology, and hydrology as well as detailing field work and chemical analysis of groundwater samples collected. This information will be used to create a Conceptual Model and assess potential contaminant sources, pathways and receptors associated with the site. Where significant risks are identified, recommendations for further works are included.

2.0 Phase One (Desk Study) Environmental Assessment

2.1 Introduction

The purpose of a Phase One environmental assessment is to introduce the site and present a preliminary environmental risk assessment. The assessment collates information concerning potential contaminants, pathways and receptors and other relevant characteristics of the site and its surrounds. This involves a study of the site's current and historical land use and is achieved via a combination of desk-based research, site reconnaissance and regulatory consultation.

The scope of works undertaken comprised:

- review of the previous studies/investigations carried out at site/for the wider service station for which reports previously prepared by SLR;
- review of the current and historical uses of the site and immediate surrounding area, including identified current or past potentially contaminative activities, to identify potential contaminant linkages;
- review of the underlying soils and the geological, hydrological and hydrogeological features, including recorded abstraction or discharge consents within the vicinity of the site;
- reviewing pertinent accessible information from regulatory authorities and other sources such as the Environment Agency (EA), the Local Authority, Petroleum Licencing Authority (PLA), Groundsure® database, the British Geological Survey (BGS) and the Ordnance Survey (OS);
- undertaking a site visit to inspect fuel storage and distribution infrastructure and examine site records;
- monitoring and obtaining groundwater samples for the existing groundwater monitoring wells on site and across the wider service station;
- laboratory analysis of groundwater samples for petroleum hydrocarbons and subsequent assessment of the results;
- collation of information about the site's setting and conditions to form a Conceptual Site Model, including review of contaminant sources, pathways and receptors applicable to the site; and
- preparation of this report, detailing the collated information and recommendations for further investigation works, if deemed necessary to meet the requirements of the local planning authority.

It should be noted that the site inspection did not extend to any underground features, any enclosed spaces where special entry precautions would have been required, the structural condition of buildings, the geotechnical stability of walls or the potential environmental impact on any media other than that of the land. An asbestos survey was not carried out.

A Phase One environmental assessment can only indicate the potential for contamination to be present on site and refers to conditions present at the site at the time of the study.

2.2 Site Details and Environmental Setting

Table 2-1 provides a summary of the site details and environmental setting based on a review of published information. The site location is shown on Drawing 01 and the site layout on Drawing 02 (Appendix A). Photographs showing the site layout taken during SLR's walkover on the 16th November 2023 are presented in Appendix C.

Table 2-1: Site Details

Detail	Description	
Location	The site comprises an operational petrol filling station and adjacent used car sales business on Sturmer Road, Haverhill. The site occupies approximately 0.21ha and is located at National Grid reference 568141, 244726.	
Site Description and Use	SLR undertook a walkover at the site on 16th November 2023. The site comprises an operational petrol filling station (PFS) and a car dealership, southeast of Haverhill. The site is rectangular with the PFS located in the east, comprising a shop and eight fuel dispensers. An auto-carwash and jet wash are also present in the centre of the site. West of the site is a car dealership comprising a small office building, shed and carpark area. Underground direct-fill fuel tanks are located in the centre of the site. With an interceptor located in the southeast. A series aco drains and surface water gullies drain surface water into the interceptor. The centre and east of the site is surfaced with concrete hardstanding, whereas the car dealership to the west appears to be surfaced by gravel. The site layout is shown at Drawing 02 and photographs are presented at Appendix C.	
Surrounding Land Use	North	Residential properties and associated garden areas located on Coupals Close.
	East	Further residential housing fronting onto Charrington Close.
	South	Sturmer Road (A143) borders the site to the immediate south, beyond which are several commercial businesses within Sturmer Industrial Estate.
	West	Residential properties located on Coupals Close.
Geography	Topography and Gradient	The site is relatively flat and level, although the topography of the wider area comprises a slight slope downwards to the north/northeast towards Stour Brook.
	Elevation	Approximately 62m above Ordnance Datum (AOD).
Hydrology	Surface Water	The Stour Brook is located some 70m north of the site and flows in an easterly direction towards the River Stour.
	Surface water abstractions	The Groundsure report records no licensed surface water abstractions within a 2km radius of the site.
Published Geology and Hydrogeology	Artificial Geology	No records of artificial/Made Ground deposits are recorded on site. The closest entry provided by the Groundsure report relates to 'landscaped ground' situated approximately 80m northwest.
	Superficial Drift Geology	British Geological Survey (BGS) mapping shows the site to be underlain by superficial deposits comprising sand and gravel of the Lowestoft Formation.
	Solid Geology	The recorded bedrock beneath the site comprises chalk of the Lewes Nodular Formation and Seaford Formation (undifferentiated).
	Mining and ground workings	No mining activities are recorded at the site. Haverhill Brick Works, denoted as a historical surface mineral working, is subject to five separate entries in the Groundsure report, with locations listed as being 272m to 389m to the west, south and southwest of the site.

Detail	Description	
	Aquifer Status	The superficial Lowestoft Formation is classified as a secondary A aquifer. The chalk bedrock is classified as a principal aquifer.
	Groundwater Abstractions	The closest entry relates to a historical abstraction for evaporative cooling that was previously held 596m to the southwest of the site. The closest active entry relates to water used as boiler feed and is located approximately 1.3km to the west. No potable groundwater abstractions are recorded within a 2km radius of the site.
	SPZs	The site is located within a groundwater source protection zone 3 (SPZ3) total catchment area.

2.3 Site History

The age and general type of activity and land use can often be determined from the type and layout of structures depicted on OS maps. However specific elements of site operations cannot normally be determined from such extracts. Large scale (1:1,250 and 1:2,500) and small scale (1:10,560 and 1:10,000) historic map extracts were reviewed for selected years between 1886 and 2023, together with current mapping and observations made during the site visit. A summary of the site's history is present in Table 2-2 and copies of the maps are presented in Appendix D.

Table 2-2: Historical Land Use Summary

Date	Land Use Summary
1877-1888	The site is depicted as open land, presumably agricultural fields. A small stream/drainage ditch traverses the far western portion of the site in a south to north direction, and this feature joins with the Stour Brook approximately 70m to the north of the site. A sewage tank is shown approximately 65m to the north of the site upon the southern bank of the brook. A road forms the southern boundary of the site and this passes beneath the Colne Valley railway line some 100m to the west of the site. The Great Eastern Railway is also evident approximately 125m to the northeast of the site. Residential development associated with the village of Haverhill is located some 150m to the west.
1897-1905	The site remains unchanged. A small pond is now present some 40m to the north. The location of the aforementioned sewage tank is now surrounded by an area denoted as a wetland and a sewage fam and additional tanks are shown 150m to the north.
1921-1928	No changes to the site are shown. The pond to the north is no longer evident. The sewage farm to the north has undergone extension and a septic tank and filter beds are shown 100m and 180m to the north respectively.
1951-1969	No changes to the site are evident. Residential properties have been constructed approximately 60m to the west and a series of larger, presumably commercial structures denoted as Willow Farm and Sturmer End are now apparent 30m to the south beyond Sturmer Road.
1970-1979	By 1972 the eastern portion of the site is shown as a PFS. The sewage works to the north has undergone further extension. Works buildings have been developed some 40m to the southwest of the site.

Date	Land Use Summary
1981-1986	No significant changes to the site are evident. The land to the south has been redeveloped with a series of large warehouse buildings and a factory is also shown 130m to the southeast. A single large detached structure marked as a hall has been constructed 80m north east, a Household Waste Site is shown 140m north and a Gas Distribution Station is located approximately 140m northeast.
1987-2003	The site remains as a PFS but has been redeveloped to its current configuration with a structure in its far eastern portion. Residential development has occurred to the immediate north and east of the site.
2010-2023	No significant changes to the site or its surroundings are apparent, although minor changes may be obscured by map scale.

The site remained undeveloped land until the early 1970s when a PFS was constructed in the east of the site. The site was redeveloped into its current layout in 1987.

2.4 Fuel Infrastructure

Information obtained during the site walkover indicated the fuel infrastructure presented in Table 2-3 to be present on site. Tanks 1 to 4 are underground storage tanks (USTs).

Table 2-3: Tank Summary

Tank No.	Capacity (litres)	Contents	Construction	Age of Installation
1	35,280	Diesel	Single skin	1987
2	26,460	Unleaded	Single skin	1987
3	26,400	Diesel	Single skin	1987
4	26,400	Unleaded	Single skin	1987

Information obtained from Suffolk Trading Standards, the local petroleum licensing authority (PLA), provided a tank summary for the site which confirms that:

- there are four fuel storage tanks on the site;
- a fifth disused tank is also present immediately east of the operational fuel tanks, on-site records inform that it had previously contained paraffin;
- the date of the first petroleum licence on record is1995, however there are indications that the site was first licensed in 1962;
- three tanks installed in 1962/1965 were removed during re-development of the site in 1987;
- testing was undertaken on Tanks 1 to 4 and associated pipework in July 1998, November 2001, and November 2003, and all tests passed;
- losses and gains were reported in on two tanks, however, this was attributed to grade changes that had occurred during this time;
- the PLA recorded presence of oil in the in 2010, however this incident was not attributed to any particular cause and no action was taken;
- a small number of losses were also recorded since 2011, however, none of these have resulted in action being taken;
- there are no records of spillages or serious incidents at the site.

Fairbanks Environmental Ltd. operate the site's wet stock management and use a real time continuous wet stock and leak detection statistical inventory reconciliation (SIR) system

accredited to 9 litres per day. Fairbanks has confirmed that they have been monitoring the PFS since November 2009. During this period, they have confirmed that the performance of the tanks has been acceptable with evidence of losses to ground.

The PLA report and a performance letter from Fairbanks are presented as Appendix E.

3.0 Environmental Searches

The Magic.gov website (which provides authoritative geographic information about the natural environment across government) and available EA databases have been consulted with regards to former landfill sites. The Groundsure Geo and Enviro-Insight report has also been reviewed to gain information on publicly available environmental data for the site and immediately surrounding area.

A copy of the Groundsure Report is included as Appendix F and a summary of the search information is provided below:

- Contaminated Land Register – no records within 500m.
- Control of Major Accident Hazards (COMAH) sites – an active lower tier entry held by AOC Resins UK Ltd is located 486m southwest.
- Records of historical IPC Authorisations – no records within 500m.
- Hazardous Substance Storage/Usage – no records within 500m.
- Records of Part A(2) and Part B Activities and enforcements – the site is subject to an entry that relates to the unloading of petrol into storage. The closest off-site entry is situated some 292m southeast and relates to timber processes.
- Records of Licensed Discharge Consents – the closest entry relates to the historical discharge of surface water to the Stour Brook 39m northwest that ceased operation in 1992. Multiple entries relating to the sewage treatment facility approximately 65m north of the site and discharge to Stour Brook are also recorded.
- Pollutant Release to Public Sewer – the only record relates to an active entry located 434m southwest.
- List 2 Dangerous Substances – an inactive entry relating to the storage of mercury and cadmium is reported 37m northwest. The only active entry is located 173m northwest and also denotes mercury and cadmium as the authorised substances.
- List 2 Dangerous Substances – six inactive records, all naming pH as the authorised substance, are reported from 20m to 409m from the site.
- Records of Historical Tanks – a series of entries relating to sewage/septic tanks some 50m to 150m north/northwest of the site are recorded.
- Records of Historical Energy Features – entries of note recorded in the general vicinity of the site include a substation 106m south and a gas distribution centre 150m northeast.
- Records of Historical Garages – a single entry is recorded, relating to a former garage situated approximately 430m northwest.
- Records of Historical Petrol Stations – the site itself is subject to a record dated 1984.
- Environment Agency recorded pollution incidents – the closest record to the site is dated November 2002 and relates to release of ‘sewage materials’. This incident is recorded as having no significant impact. An entry relating to a release of diesel is also recorded 75m north, and this record states that both water and air were significantly impacted. Two incidents reported to have had a major impact upon water resources also occurred 83m north of the site in 2014 and 2017. These involved release of crude sewage and organic chemicals respectively.
- Landfill Sites – there are no records of active landfills within 500m of the site. An historical EA recorded landfill was identified 150m northeast. The location of this record is given as ‘by sewage treatment works, off Chalkstone Way’. However, no details of

the types of waste accepted or dates of deposition are provided. A BSG historical landfill, relating to the Junction Hole facility located 440m north is also recorded.

- Licensed waste sites – numerous records are attributed to the Haverhill civic amenity site denoted 147m northeast. A commercial/industrial waste transfer station is also recorded 195m south within Falconer Road industrial estate.
- Waste Exemptions – several records relating to the recovery of waste at a water treatment works are denoted approximately 125m to the northeast of the site. A further exemption regarding waste treatment is held by Jackson Civil Engineering 309m west.
- Industrial land uses — three entries are recorded on site, relating to the PFS, vehicle cleaning services and the sale of second-hand vehicles. Off site entries in the vicinity of the site include a metals manufacturing business 35m south, a vehicle hire and rental business 36m west and a business park/industrial estate 75m southwest.
- Sensitive Land Uses – the site is mapped within a nitrate vulnerable zone (NVZ). The Haverhill Railway Walk Local Nature Reserve (LNR) is mapped 100m to the west.

No major concerns have been revealed with respect to the planned development from the above search data.

4.0 Previous Reports

SLR have previously prepared two reports for the site which are listed in Table 4-1 and summarised below.

Table 4-1: Previous Site Assessments

SLR Reference	Date	Document Title and Author
427.02082.00080	July 2018	Phase One Environmental Assessment
427.02082.00163	September 2021	Site Investigation & Groundwater Monitoring Report

4.1 Phase One Environmental Assessment, SLR, 2018

A Phase One environmental assessment was completed by SLR in July 2018 to support the proposed development of a drive-thru coffee shop. The scope of works implemented was comparable to that detailed by this phase of assessment and comprised desk study research coupled with a site walkover survey.

Although this report highlighted the sensitivity of the site's location with respect to controlled waters, a review of wet stock reconciliation data recorded no evidence to indicate that a significant fuel escape had occurred at the site. When considering the low sensitivity of the proposed commercial end use of the site, the Conceptual Site Model failed to identify any complete potential pollutant linkages (PPLs), and as such it was concluded that the proposed development would not result in a significant risk being posed to either human or environmental receptors.

4.2 Site Investigation & Groundwater Monitoring Report, SLR, 2021

Ground investigation and groundwater monitoring were carried out at the site in 2021.

The works comprised the formation of four driven window sample boreholes and the installation of three groundwater monitoring wells.

Made Ground was encountered in all boreholes and was proved to a maximum depth of 0.9m below ground level (bgl) in borehole MW102B. This Made Ground generally comprised sand/sandy gravel overlying a sandy gravelly clay that included anthropogenic materials including brick, tile and concrete. The underlying natural soils, proved to the final depth of the boreholes at 5.0m bgl, comprised interbedded sandy gravelly clay and clayey sandy gravel that was judged to represent the superficial Lowestoft Formation mapped at the site. None of the boreholes encountered the chalk bedrock.

With regards to visual and olfactory indicators of contamination, a hydrocarbon odour was noted in borehole MW102B between 2.3m and 3.9m bgl. Subsequent laboratory analysis of a sample of this material recorded a total petroleum hydrocarbon (TPH) concentration of 5,300mg/kg. the remaining three tested samples recorded relatively low TPH concentrations of between <38mg/kg and 250mg/kg.

A monitoring visit carried out in February 2021 identified groundwater at depths of between 3.01m and 3.09m bgl beneath the site. Floating fuel product (light non aqueous phase liquid or LNAPL) was not detected on the surface of the groundwater.

Tested samples of groundwater generally recorded concentrations of Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) compounds below their respective analytical detection limits. However, borehole MW102B recorded a TPH concentration of 0.2mg/l and an MTBE concentration of 0.0007mg/l. Borehole MW103 also recorded MTBE at a concentration of 0.003mg/l.

5.0 Groundwater Monitoring and Sampling

5.1 Methodology

SLR completed a walkover visit and groundwater monitoring at the site on 16th November 2023.

All wells (MW102B, MW103 and MW104B) were subject to headspace hydrocarbon vapour monitoring and groundwater samples were obtained using low disturbance sampling techniques. Monitoring well locations are shown on Drawing 02.

5.2 Groundwater Monitoring Data

Table 5-1 presents a summary of groundwater conditions.

Table 5-1: Monitoring Data

Well ID	Screened Interval (m)	Cover Level (m aOD)	Depth to SPH (m)	Depth to water (m)	Water Elevation (m aOD)	Depth to base (m)	VOCs (ppmv)	SPH (mm)
MW102B	0.5-5.0	100.00	ND	2.462	97.538	4.895	<1	ND
MW103	0.5-4.5	99.95	ND	2.481	97.469	4.485	<1	ND
MW104B	0.5-4.5	99.97	ND	2.510	97.460	4.489	<1	ND

ND – Not Detected
SPH – Separate Phase Hydrocarbons
ppmv - parts per million by volume volatile organic compounds measured using a photoionization detector (PID)

Groundwater was recorded at depths between 2.462m and 2.510mbgl. SPH was not recorded in the wells and the monitoring of the well headspace with a portable photo ionisation detector (PID) did not detect recordable concentrations of volatile organic compounds (VOCs). Groundwater flow is anticipated to be north, towards Stour Brook.

5.3 Laboratory Analysis

Groundwater samples were obtained from the three wells using low disturbance sampling techniques.

Groundwater samples were submitted to the laboratory under full chain of custody documentation and scheduled for analysis for petroleum hydrocarbon fractions (TPHCWG) including the fuel additive Methyl tert-butyl ether (MTBE) and BTEX compounds.

Laboratory certificates for analysis of groundwater and SPH are presented in Appendix G.

5.4 Groundwater Results

The groundwater samples were analysed for a range of hydrocarbon fractions (TPH CWG and BTEX) and the fuel additive MTBE. The laboratory certificates are presented at Appendix G with a summary provided in Table 5-2 below.

Table 5-2: Water Analytical Chemistry Results – 2023

Borehole ID	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH
MW102B	<0.0001	<0.0005	<0.005	<0.001	<0.003	<0.01
MW103	0.0006	<0.0005	<0.005	<0.001	<0.003	<0.01
MW104B	<0.0001	<0.0005	<0.005	<0.001	<0.003	<0.01

The fuel additive MTBE was recorded at trace concentrations in the sample taken from MW103. MTBE concentrations were below the laboratory method detection limit (MDL) in samples from MW102B and MW104B.

BTEX compounds and TPH concentrations were below the MDL in all samples taken from the wells.

5.5 Generic Risk Assessment

In order to assess the potential significance of the recorded contaminant concentrations in groundwater samples obtained in 2023, a comparison has been made against SLR's petrol filling station generic assessment criteria (PFS GAC). The PFS GAC have been developed using a Risk-Based Corrective Action (RBCA) model for chemical releases based on SLR's experience of typical petrol filling station sites. Details of SLR's GAC are presented in Appendix H along with the results of the laboratory data screening.

5.5.1 Risks to Human Health – Off-Site Residential

Due to the site's proximity to off-site residential properties the laboratory data has been compared against SLR's PFS GAC for off-site residential human health. The criteria set out in the off-site residential GAC are more conservative than those considered within the continued commercial use GAC, therefore if contaminant levels pass the off-site residential GAC they automatically pass the continued commercial use GAC. There were no exceedances of the GAC in any of the groundwater samples collected in 2023.

5.5.2 Risks to Controlled Waters

Based on the superficial geology being classified as a secondary A aquifer, the bedrock geology being classified as a principal aquifer, the nearest surface water body being 70m from the site and the site being located within an SPZ3, laboratory data from 2023 have been compared against SLR's PFS GAC for a high sensitivity controlled waters receptor.

There were no exceedances of the high sensitivity controlled waters PFS GAC for any of the groundwater samples collected from the site.

6.0 Conceptual Site Model

This report section uses the information gathered in previous sections and aims to identify the potential Contaminants, Pathways and Receptors present with respect to the site and assess their significance and acceptability.

When considering the contaminants, receptors and pathways relevant to this site, SLR has been mindful of the site's proposed continued commercial use as a petrol filling station and that the proposed redevelopment is to install / construct:

- food-to-go' pod;
- 16 new parking bays (including eight for electric vehicle charging);
- two jet wash bays; and
- GRP substation enclosure.

The statutory guidance for Part 2A, DEFRA Circular 04/12, defines a Contaminant as:

"*a substance which is in, on or under the land and which has the potential to cause significant harm to a relevant receptor, or to cause significant pollution of Controlled Waters*".

The most significant source of contamination is hydrocarbon fuels stored and retailed at the site. No other significant sources of contamination are considered present in the immediate vicinity of the site.

The statutory guidance for Part 2A, DEFRA Circular 04/12, defines a Pathway as:

"*a route by which a receptor is or might be affected by a contaminant*".

Following an assessment of the environmental and geological setting of the site and considering the land use it is considered that the potential pathways for contaminant impact are present:

- Direct contact, ingestion and inhalation of contaminated soils.
- Accumulation of vapours indoors and inhalation.
- Leaching of contaminants and subsequent vertical and lateral migration.

The validity of each of these pathways is assessed in Table 6-1 below.

The statutory guidance for Part 2A, DEFRA Circular 04/12, defines a Receptor as:

"*something that could be adversely affected by a contaminant, for example a person, an organism, an ecosystem, property, or Controlled Waters*."

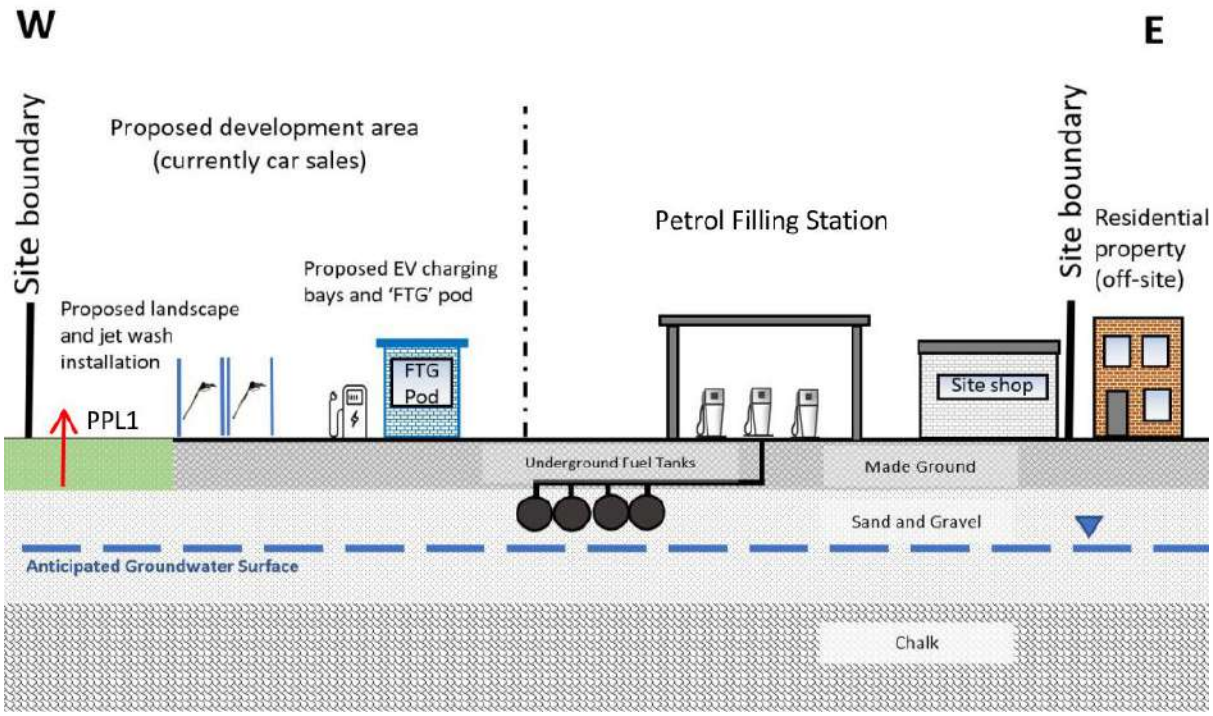
The proposed redevelopment includes a food-to-go pod. Therefore, potential on site human health receptors will be present (site staff and visitors), there are numerous residential properties within close proximity to the site and therefore off-site human health receptors are also present. As the site is underlain by a secondary A and a principal aquifer, is located within a groundwater SPZ3 and the Stour Brook is located 70m to the north, controlled water receptors are also present.

The complete potential contaminant linkages are detailed in Table 6-1 and Figure 6-1 below.

Table 6-1: Conceptual Site Model

Source	Pathway	Receptor(s)	Comments	Significant?
The site has operated as a PFS since at least the early 1970s.	Direct contact, ingestion, inhalation	On-site Human Health (site staff and customers)	The proposed development plan included as Appendix B depicts a new area of soft landscaping in the north western corner of the site. There is a conceptual risk that site workers and users of the proposed 'FTG' pod could utilise this area and as such there is a risk that they could be exposed to potentially contaminated near surface Made Ground soils that were proved to depths of up to 0.9m by the 2021 SLR investigation.	Yes
		On-site Human Health (future construction workers)	Although construction workers are more likely to come into direct contact with potentially contaminated soils, based upon the findings of this assessment it is judged that any associated risks could be ameliorated by using appropriate work systems and PPE.	No
	Accumulation of vapours indoors and inhalation	On-site Human Health (site staff and customers)	The concentrations of petroleum hydrocarbons and BTEX compounds recorded during the most recent phase of groundwater monitoring were all less than the analytical detection limits or the corresponding PFS GAC	No
		On-site Human Health (future construction workers)		No
		Off-site Human Health (residents)		No
	Vertical migration of contaminants	Secondary A and Principal aquifers and SPZ3	Although the site's sensitivity with regard to controlled water receptors is high, this assessment has not identified any evidence to suggest that a significant fuel release has occurred at the site. Furthermore, recent groundwater monitoring did not record concentrations of TPH or BTEX in excess of the respective PFS GAC.	No
	Lateral migration of separate phase and dissolved contaminants	The Stour Brook 70m north		No

Figure 6-1: Conceptual Site Model



The conceptual site model has identified one plausible pollutant linkages, PPL1. Due to the proposed area of soft landscaping, there is a conceptual risk that site workers and future site users could potentially be exposed to contaminated near surface Made Ground soils, which were identified within SLR's 2021 investigation.

7.0 Summary & Recommendations

7.1 Summary

With respect to the environmental condition of the site, SLR has made the following observations:

- the proposed development comprises construction of a 'Food-to-Go'
- pod, the installation of two jetwash bays, and 16 parking bays of which eight will be for electric vehicle charging;
- no works are proposed to the fuel infrastructure;
- wetstock monitoring and information from the PLA have not recorded any significant fuel losses at the site;
- the nearest surface water feature is the Stour Brook located c.70m north of the site.
- the site is underlain by superficial deposits comprising sand and gravel over chalk bed rock;
- the superficial deposits are classified by the Environment Agency as a secondary A aquifer and the chalk is classified as a principal aquifer;
- the site is located within a groundwater source protection zone 3 (SPZ3) total catchment area;
- there are no groundwater abstractions within 2km;
- recent groundwater monitoring did not detect presence of hydrocarbon vapours or LNAPL;
- recent groundwater monitoring recorded concentrations of TPHCWG, BTEX and MTBE below analytical detection limits and/or PFS GAC protective for both human health and controlled waters of high sensitivity; and
- SLR's CSM has identified one plausible pollutant linkage (PPL1).

The supplied proposed layout plan shows the northwest corner of the site as comprising a soft landscaped area under the proposed development. SLR has identified a conceptual risk to future site users particularly if this area was to be used as an informal area of open space by users of the FTG facility. Such risks are deemed to be relatively low as site users are likely to access this area infrequently and for relatively short time periods. Additionally, a 2021 site investigation did not record evidence of potentially contaminated materials in the Made Ground. However, there remains a conceptual risk that any exposed Made Ground could be impacted by contaminants including metals, PAH and asbestos.

Notwithstanding the above, it is likely that soil material will be imported to the proposed soft landscaped area to improve its amenity value and provide a growth medium for vegetation. It may be prudent to confirm the scope of these works as the placement of an appropriate thickness of clean cover soils would represent a physical barrier that would effectively sever the applicable exposure pathway and remove the conceptual risk.

7.2 Recommendations

Previous investigation of the site has not recorded hydrocarbons in the soil or groundwater which pose a significant risk to human health or controlled waters. It is therefore judged that the proposed works of the site can proceed without the requirement for significant further phases of investigation and assessment. However, it would be prudent to confirm whether it is proposed to import 'clean' soils to the proposed soft landscaped area in the northwest of the site and confirm the proposed thickness of these soils as there remains a conceptual risk, albeit relatively low, that future site users could be exposed to potentially contaminated Made Ground soils exposed in this specific area.

During the development, should visually stained or odorous soils / groundwater be encountered, a suitably qualified environmental consultant should be contacted to advise on an appropriate course of action.

Appendix A Drawings

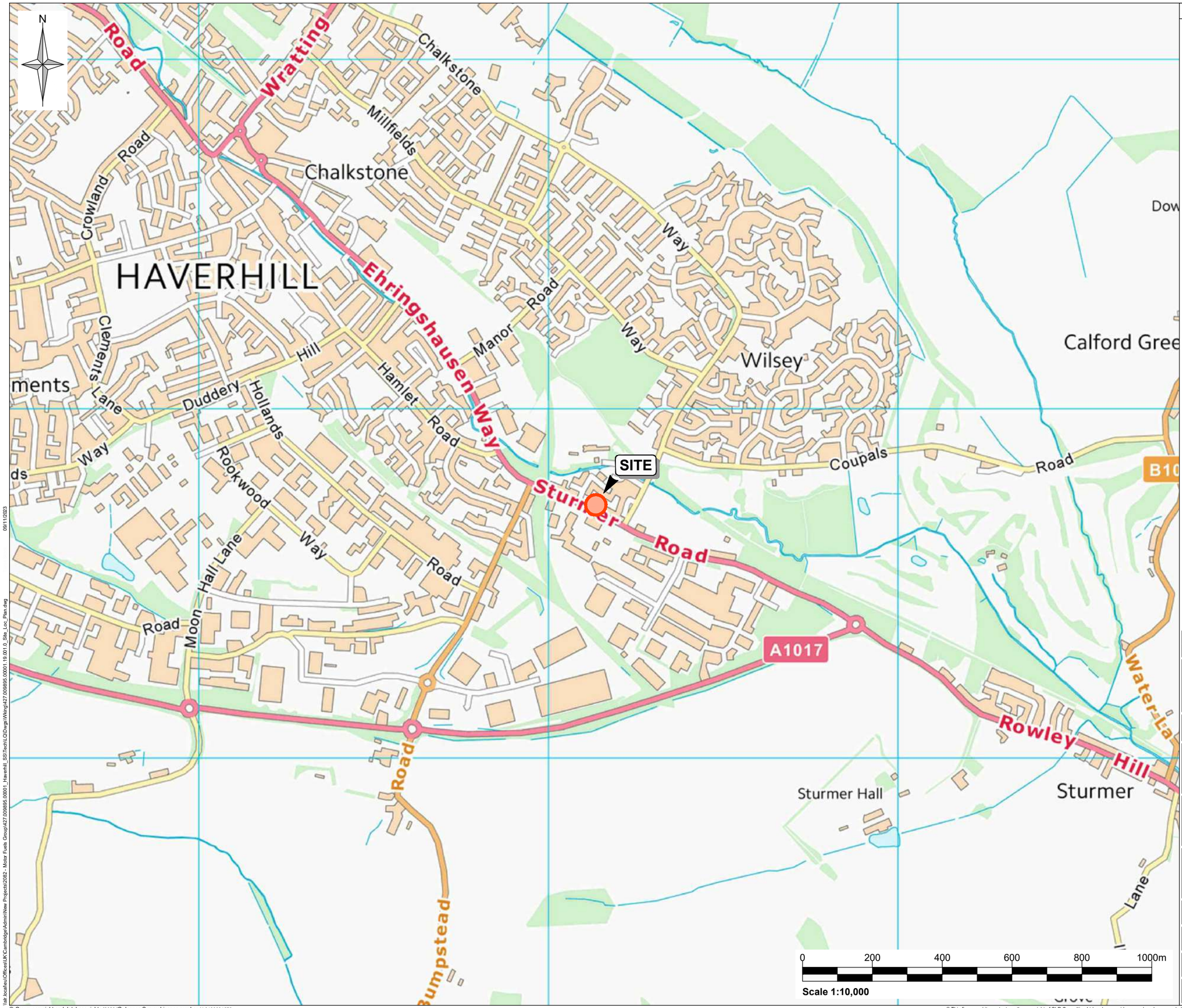
Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023



Notes:

Rev	Amendments	Date	By	Chk	Auth

SLR

www.slrconsulting.com

Client
MFG

Project
Haverhill Service Station
Phase One Environmental Site Assessment

Figure Title
Site Location Plan

Scale	SLR Project No.
1:10,000 @ A3	427.009895.00001

Designed	Drawn	Checked	Authorised
DG	TS	DG	JM
Date	Date	Date	Date
Nov 2023	Nov 2023	Nov 2023	Nov 2023

Figure Number
01

Rev.
0

09/11/2023

\\slr.local\eu\Offices\UK\Cambridge\Admin\New Projects\2082 - Motor Fuels Group\427.009895.00001 - Haverhill_SS\Tech\LQ\Dwgs\Working\427.009895.00001.19.001.0_Site_Loc_Plan.dwg

N

COUPALS CLOSE

45 46

33 34

27 28

15

29

Office

Existing close boarded fence 1m high increasing to 2m high

Existing timber post and rail fence

Sign

LP

Car Wash Plant Room

Timber fence

Vents

Auto Wash

Air/Water Unit

Water Unit

Gas Cages

Exit

Jet Wash

Vac. Unit

MW101A

MW101B

MW101C

MW104A

MW104B

Car Wash Entrance

STOP

Pole Sign

Existing Tank Farm

500mm high timber fence

Walkway

MW103

ENTRANCE CROSSOVER

P1 P2 P3 P4 P5 P6 P7 P8

Existing Parking Bays

ATM

MW102B

MW102A

Line of Canopy

EXISTING SALES BUILDING

MH

STURMER ROAD

EXIT CROSSOVER

Sign

0 5 10 15 20 25

Notes:

1. Drawing is based on MBH Existing Site Layout, ref: 13984 - 201, dated: 21.03.23.

Legend:

Monitoring Well, SLR February 2019

Aborted Well

Rev	Amendments	Date	By	Chk	Auth

SLR

www.slrconsulting.com

Client
MFG

Project
Haverhill Service Station
Phase One Environmental Site Assessment

Figure Title
Site Layout Plan

Scale	SLR Project No.
NTS @ A3	427.009895.00001

Designed	Drawn	Checked	Authorised
DG	TS	DG	JM

Date	Date	Date	Date
Nov 2023	Nov 2023	Nov 2023	Nov 2023

Figure Number **02** Rev. **0**

06/12/2023

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Appendix B Proposed Site Development Plans

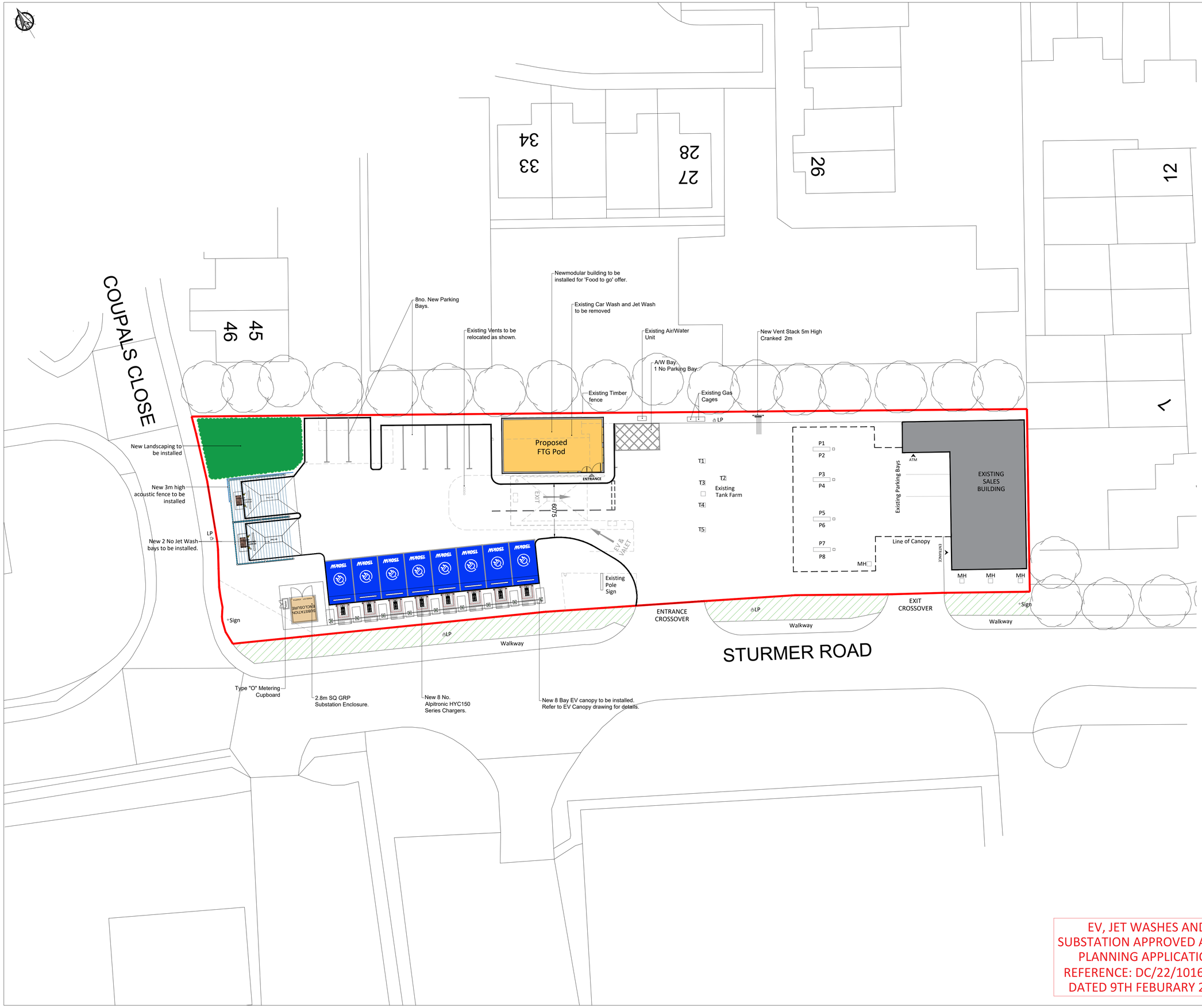
Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023



DRAWING NOTES

This drawing has been produced for the project listed below, is submitted in support of this application application to the Local Planning Authority and is not intended for use by any other person or for any other purpose.

Every effort has been made to ensure the accuracy of these drawings, however MBH Design Studio Ltd. accept no responsibility for any discrepancies arising from the reuse of survey information and preliminary drawings commissioned by the Applicant from others.

KEY:
- - - - - INDICATES DEMOLITION LINE

0 10 20
SCALE - METRES - 1:200 @ A1

REV	DATE	DESCRIPTION	DRAWN/CHECKED
A	20.04.2023	Revised as per comments.	DT/WG
REVISION NOTES			

PLANNING

MBH Design Studio Ltd.
Rosemount House, Rosemount Avenue, West Byfleet, Surrey, KT14 6LB
www.mbhltd.com t: 01932 352 727 f: 01932 351 545

CLIENT

PROJECT
FS066 HAVERHILL SERVICE STATION
STURMER ROAD,
HAVERHILL, SUFFOLK
CB9 7UU

DRAWING TITLE
PROPOSED SITE LAYOUT

EV, JET WASHES AND SUBSTATION APPROVED AS PER PLANNING APPLICATION REFERENCE: DC/22/1016/FUL DATED 9TH FEBURARY 2023

DRAWN BY	DATE	SCALE	PAPER SIZE
MM	21.03.23	1:200	A1
CHECKED BY	DRAWING NUMBER		REV.
JR	13664-P02-066		A

Appendix C Site Photographs

Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023

Photo 1: Drain and drainage channel along the vehicle exit in the southeast of the site (16 November 2023)	Photo 2: Drainage channel in the north of the site (16 November 2023)	Photo 3: Existing jet wash and auto wash in the centre of the site (16 November 2023)
		
Photo 4: Sales building in the east of the site (16 November 2023)	**Photo 5: Underground fuel tanks in the centre of the site (16 November 2023)**	**Photo 6: Drainage interceptor – in southeast of the site (16 November 2023)**
		

Photo 7: Location of proposed FTG pod. Auto wash (left), plant room (right). (16 November 2023)	Photo 8: Existing car dealership in the northwest of the site (16 November 2023)	Photo 9: Vents in the centre of the site, to be relocated(16 November 2023)
		

Appendix D Historical Maps

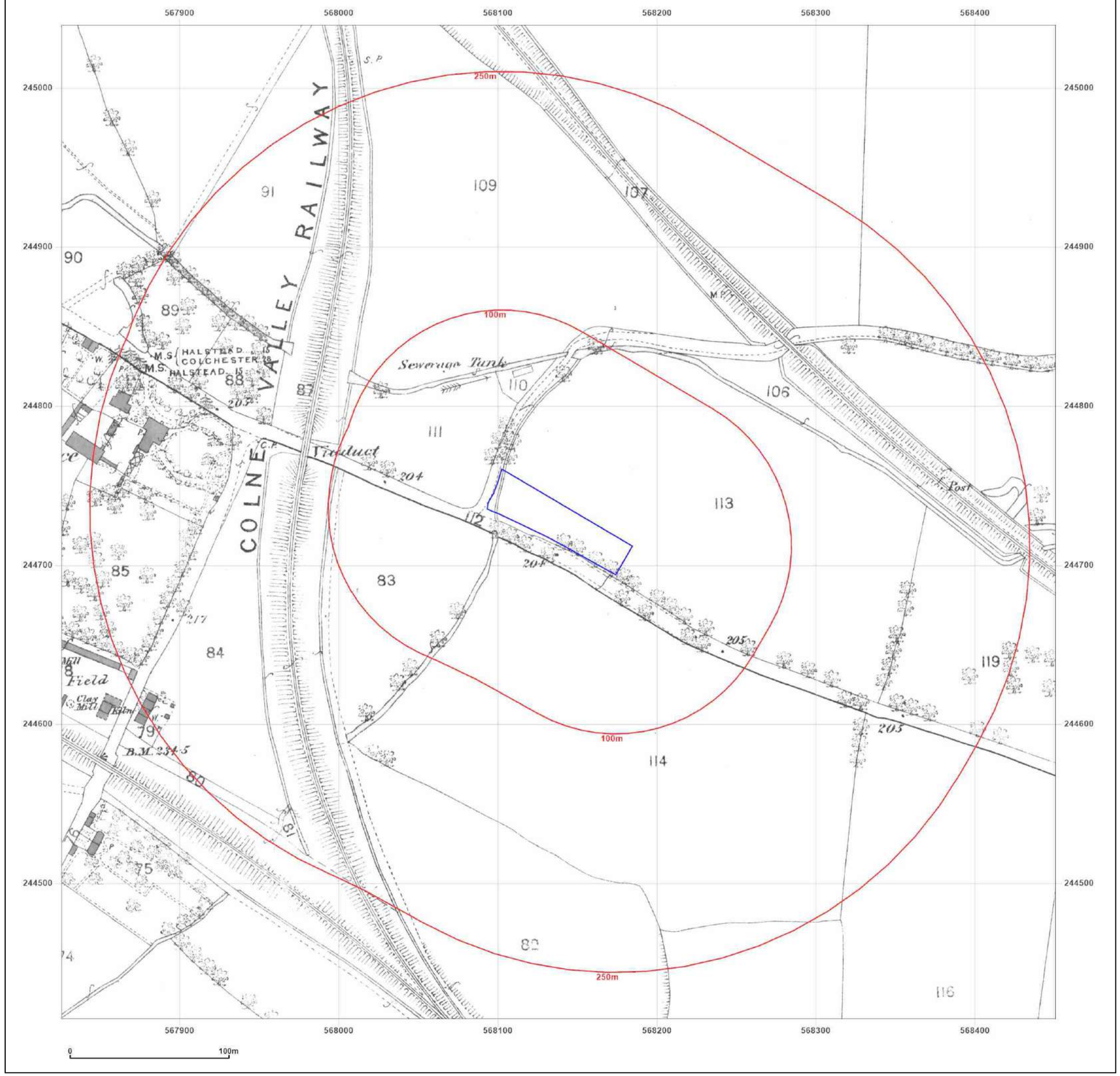
Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023



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Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1877**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 08 November 2023

Map legend available at:
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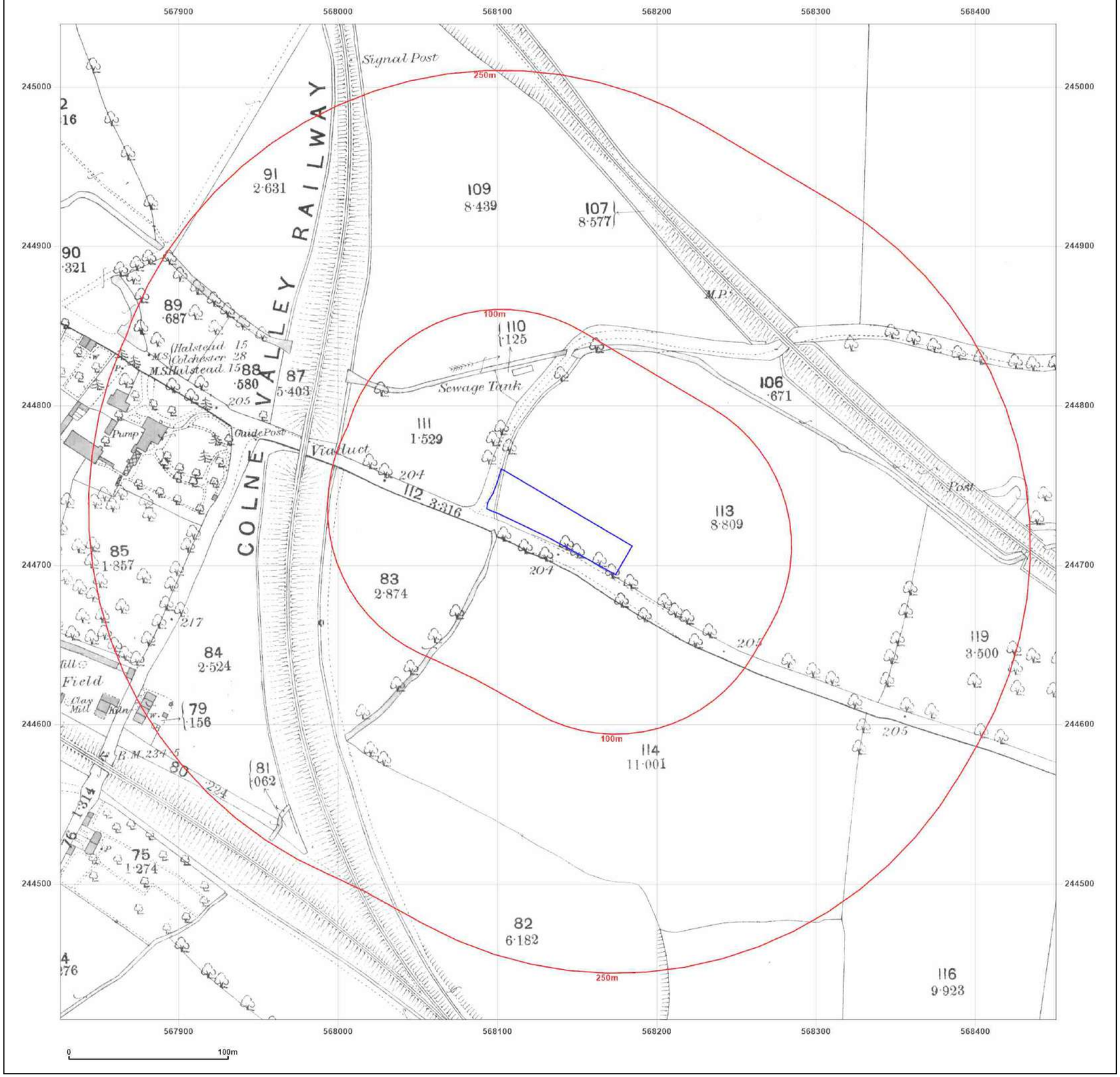

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series
Map date: **1887**
Scale: 1:2,500
Printed at: 1:2,500

N
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Surveyed 1887
Revised 1887
Edition N/A
Copyright N/A
Levelled N/A

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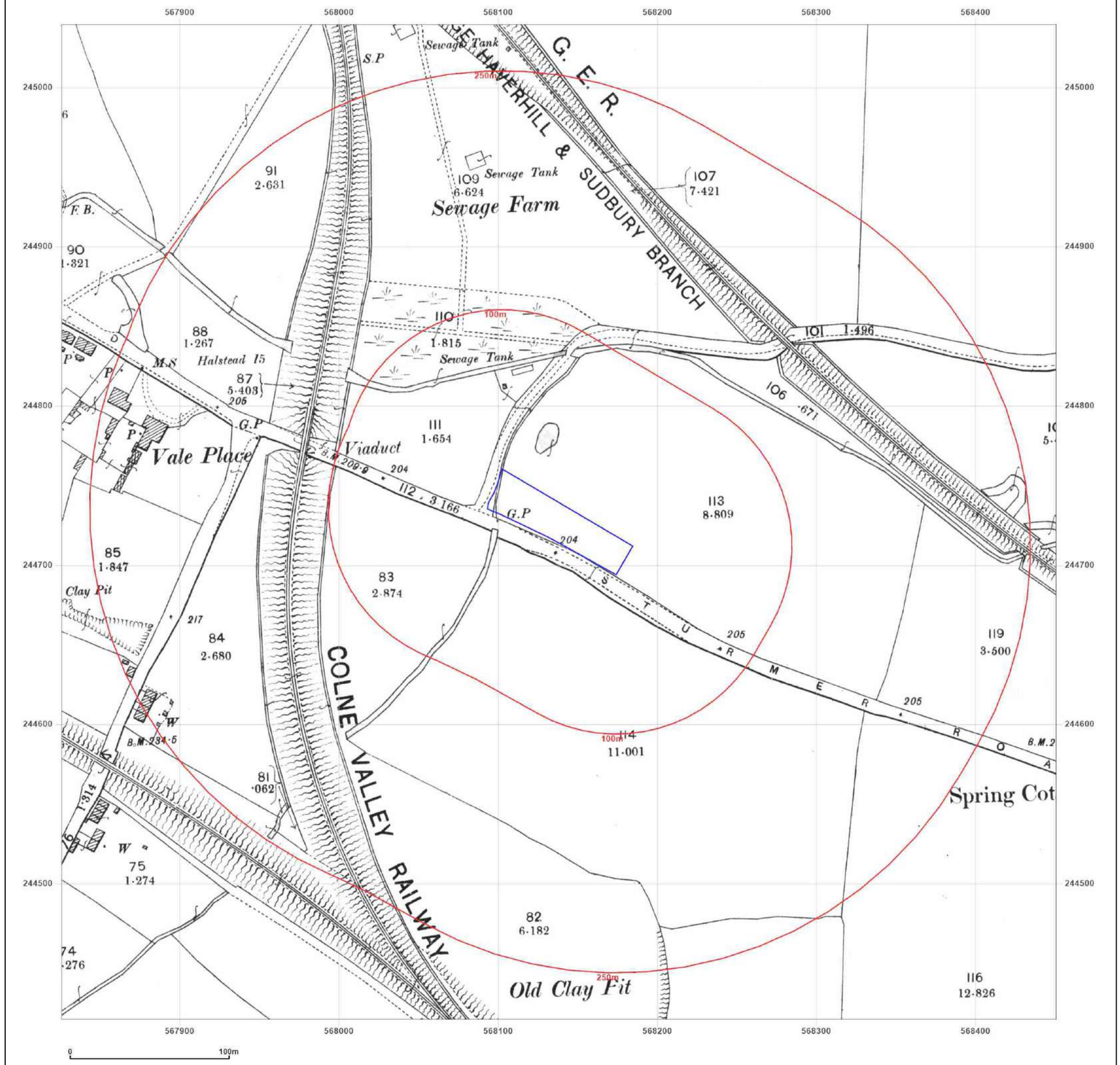

EMAPSITE™

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series
Map date: **1897**
Scale: 1:2,500
Printed at: 1:2,500

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

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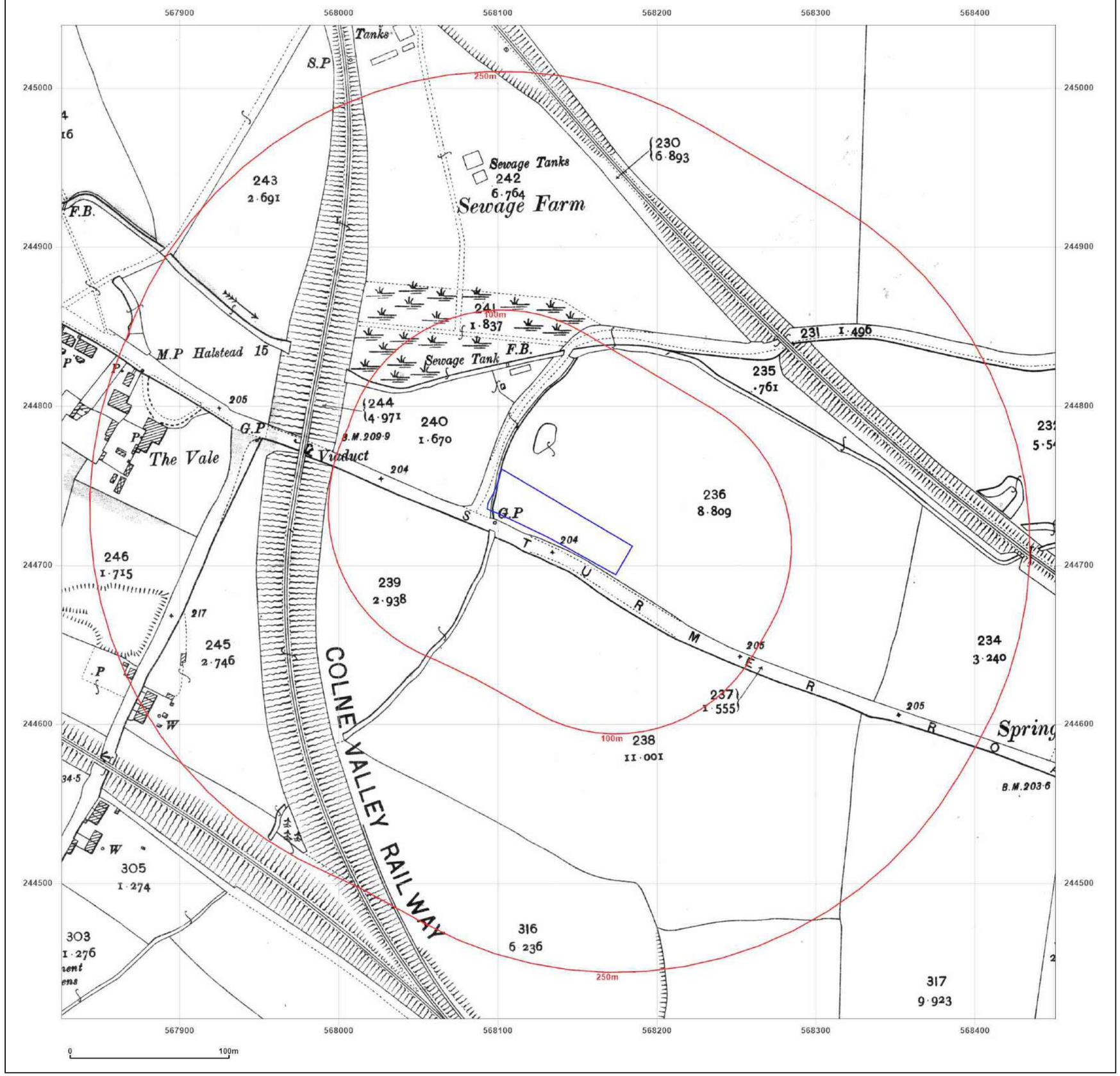

EMAPSITE™

Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1902**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1902
Revised 1902
Edition N/A
Copyright N/A
Levelled N/A

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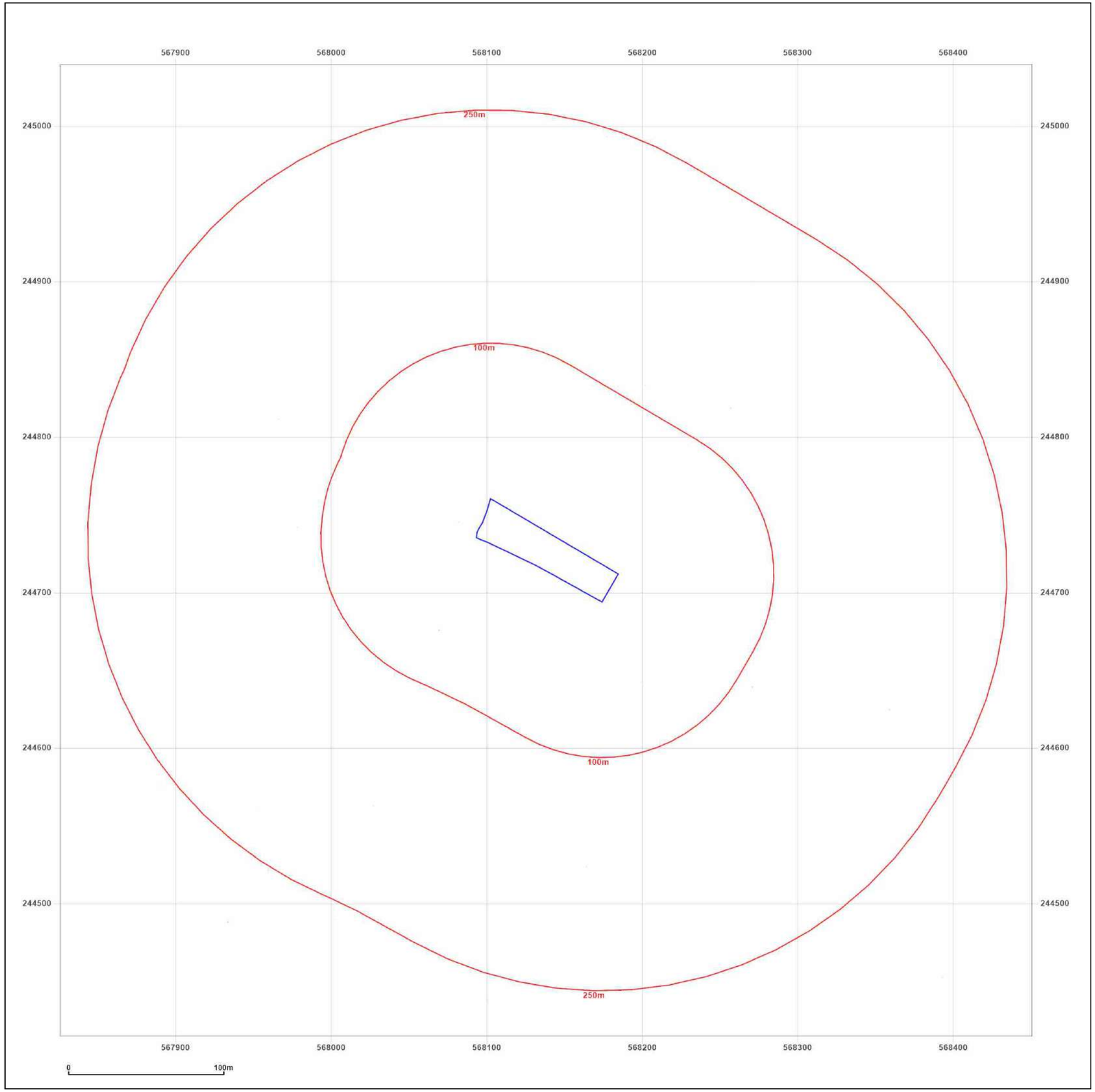

EMAPSITE™

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unspecified

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1921**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1921
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A

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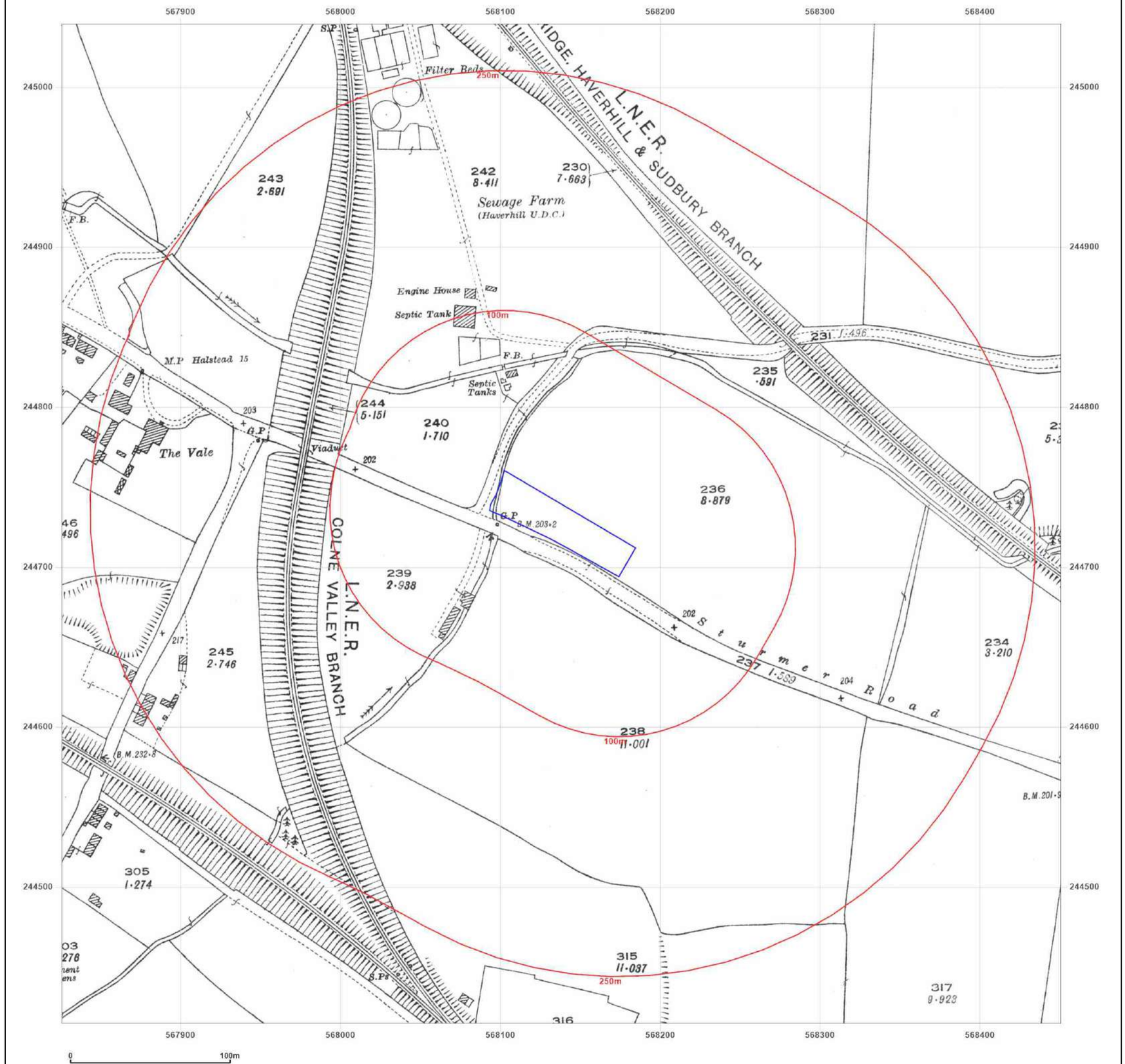

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1926**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1926
Revised 1926
Edition N/A
Copyright N/A
Levelled N/A

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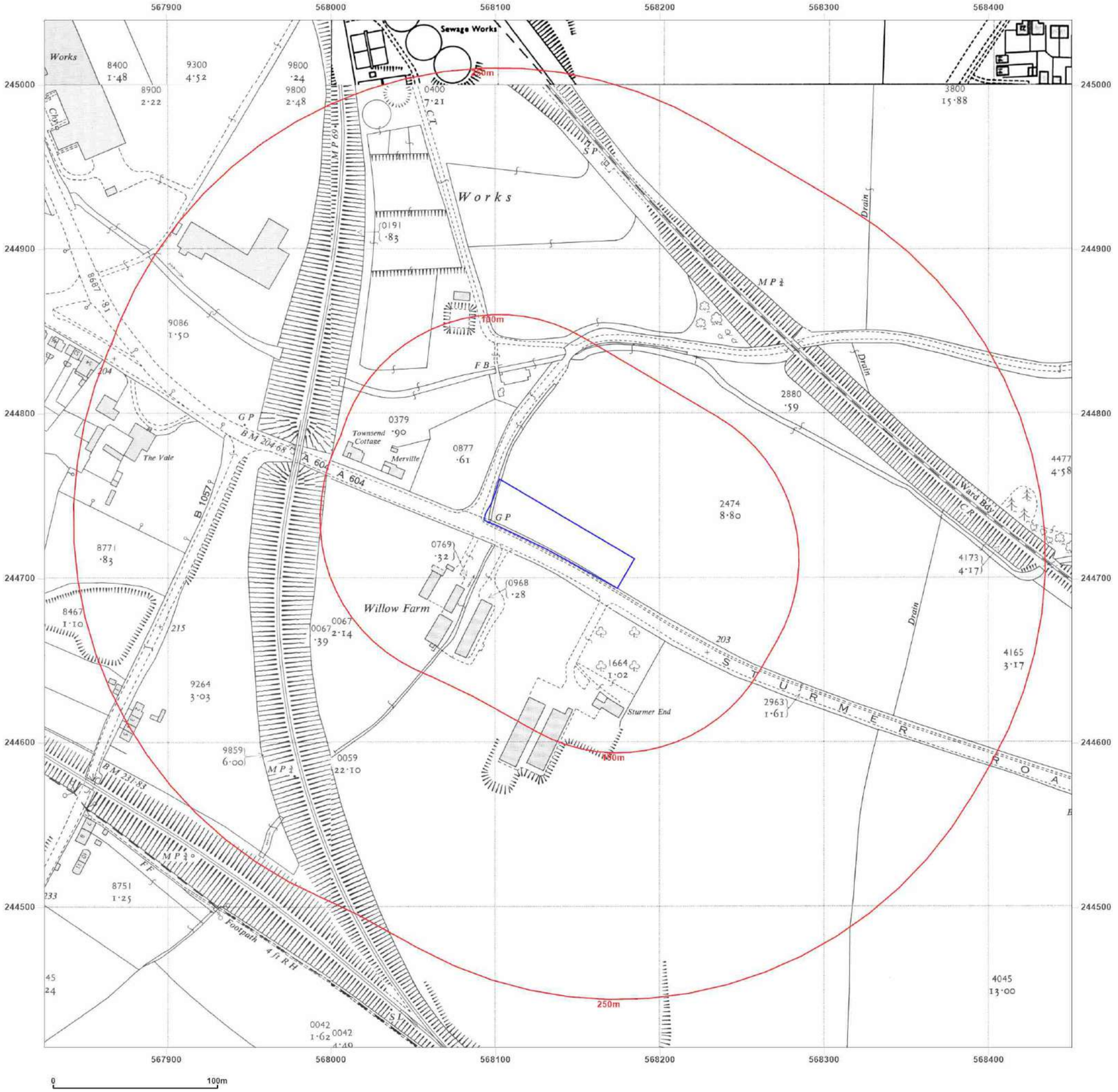

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Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1956-1960**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1960
Revised 1960
Edition N/A
Copyright 1961
Levelled 1956

Surveyed 1978
Revised N/A
Edition N/A
Copyright 1978
Levelled 1956

Surveyed 1960
Revised 1960
Edition N/A
Copyright 1961
Levelled 1957

Surveyed 1960
Revised 1960
Edition N/A
Copyright 1961
Levelled 1956

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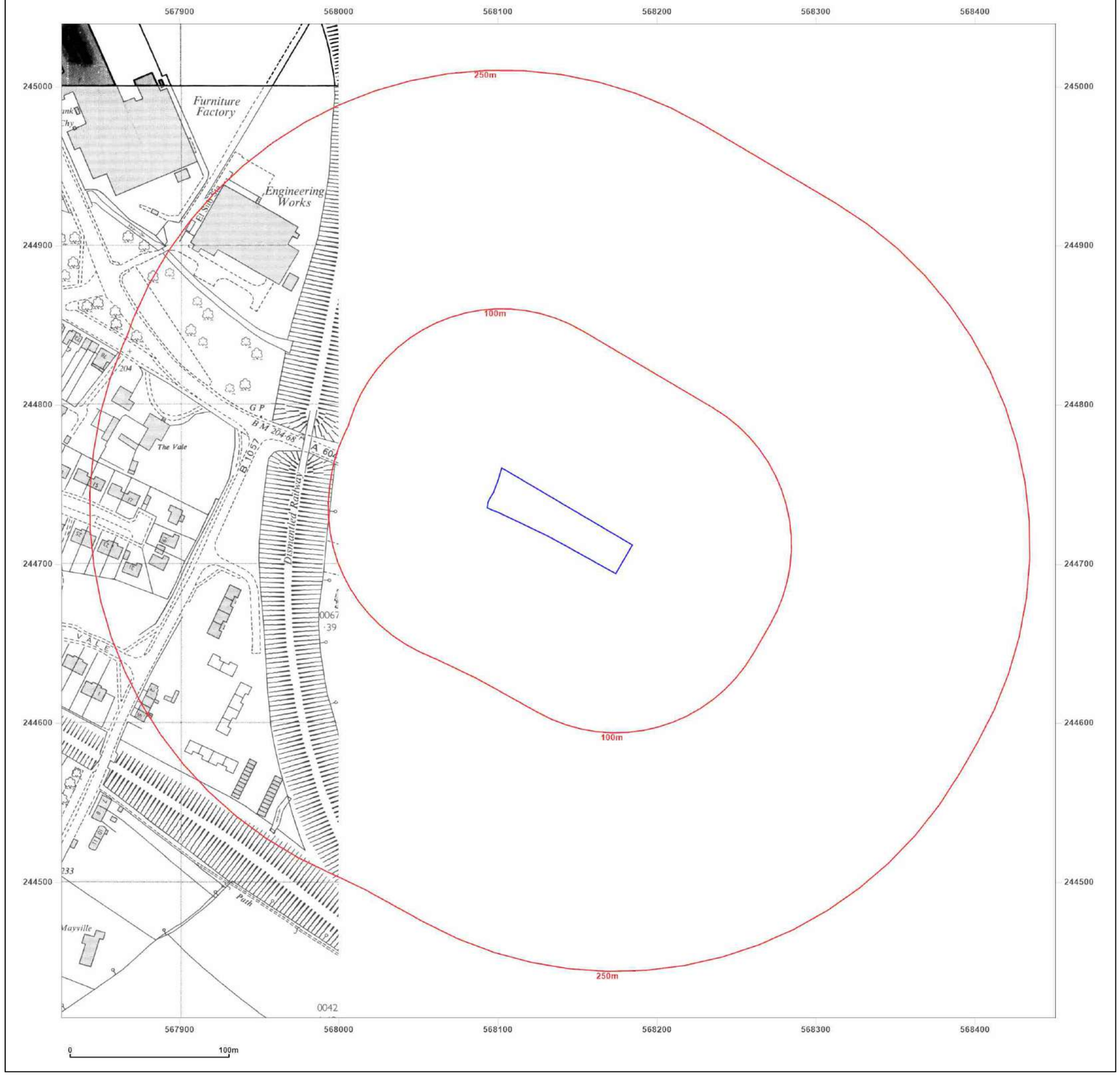

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Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1968-1969**

Scale: 1:2,500

Printed at: 1:2,500

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

Surveyed 1968
Revised 1968
Edition N/A
Copyright 1968
Levelled 1957

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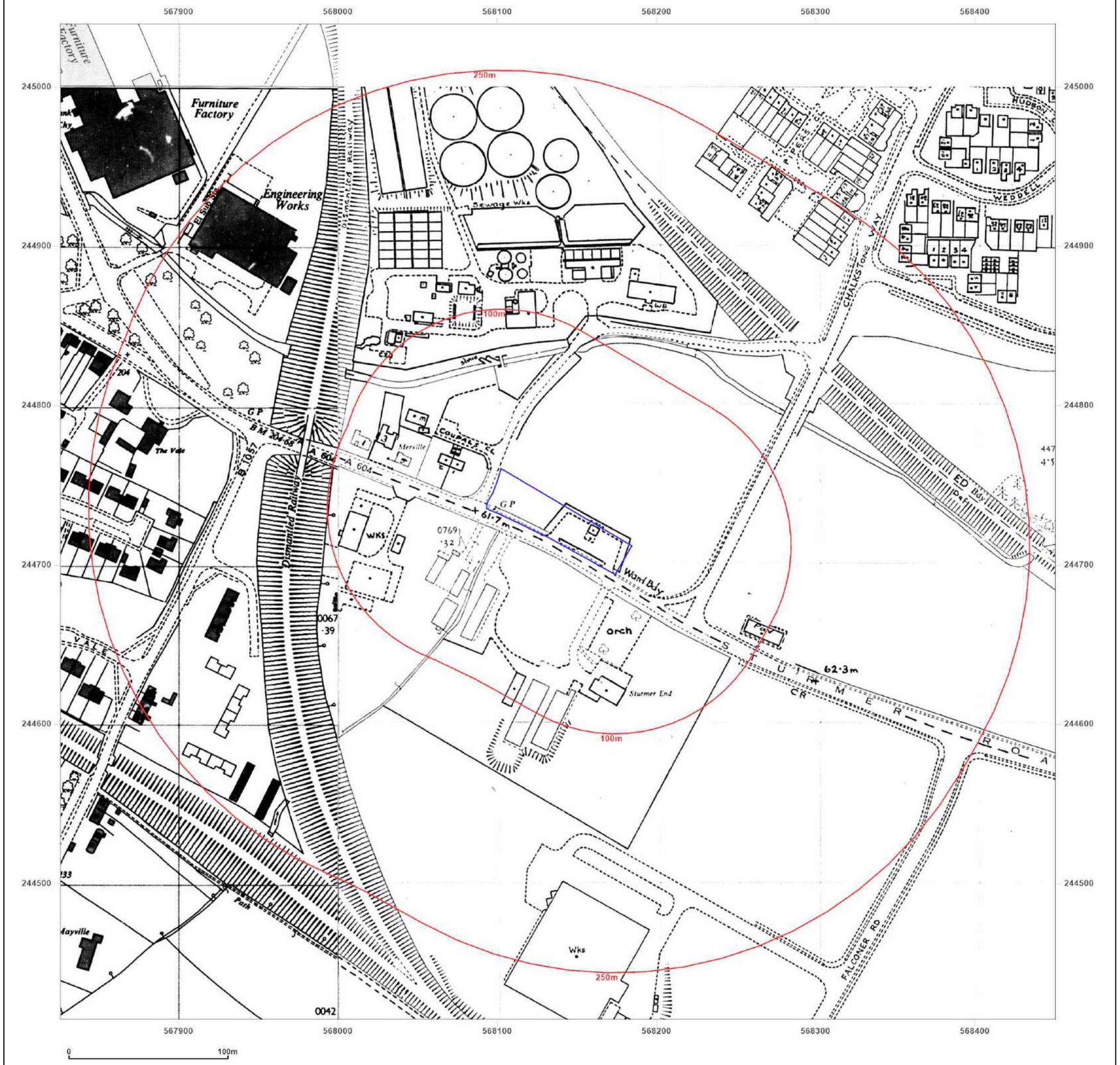

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1968-1972**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1968
Revised 1968
Edition N/A
Copyright 1969
Levelled 1956

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

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

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Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1973-1978**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1972

Surveyed 1977
Revised 1977
Edition N/A
Copyright 1978
Levelled 1956

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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1978
Levelled 1972

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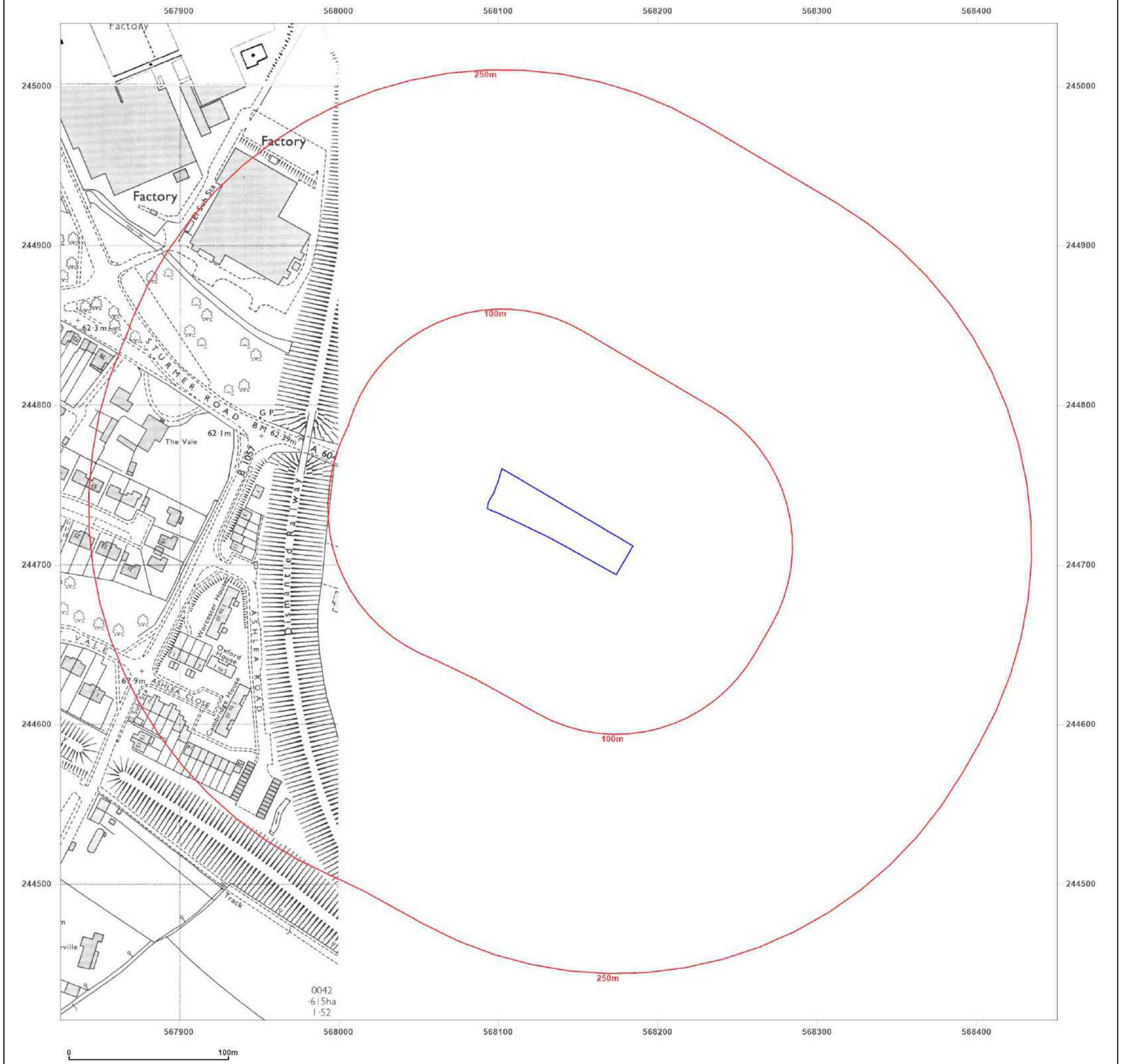

EMAPSITE™

Site Details:

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid
Map date: **1973-1978**
Scale: 1:2,500
Printed at: 1:2,500

N
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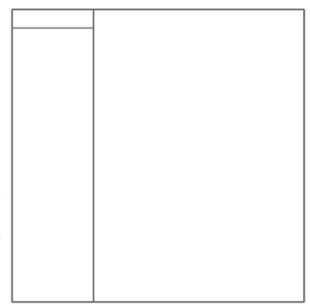
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1978
Levelled 1972

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1972



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Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1974-1979**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1980-1984**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1980
Revised 1980
Edition N/A
Copyright 1981
Levelled 1956

Surveyed 1972
Revised 1984
Edition N/A
Copyright 1984
Levelled 1972

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Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1983-1986**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1956
Revised 1983
Edition N/A
Copyright 1983
Levelled 1956

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

Surveyed 1985
Revised 1985
Edition N/A
Copyright 1987
Levelled 1984

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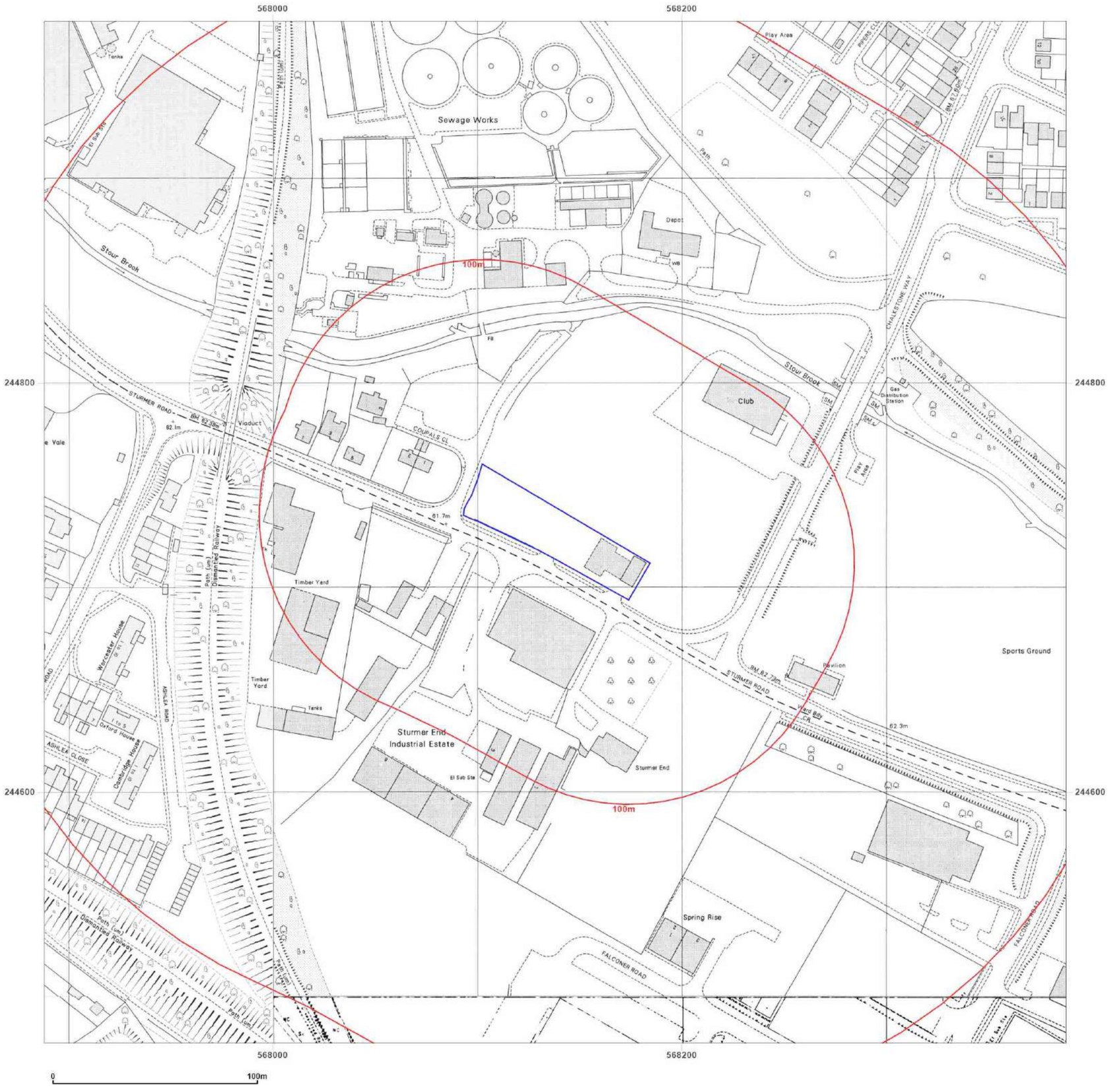

EMAPSITE™

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1988-1992**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1987 Revised 1987 Edition N/A Copyright 1988 Levelled 1984	Surveyed 1987 Revised 1987 Edition N/A Copyright 1989 Levelled N/A
Surveyed 1987 Revised 1987 Edition N/A Copyright 1988 Levelled 1984	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

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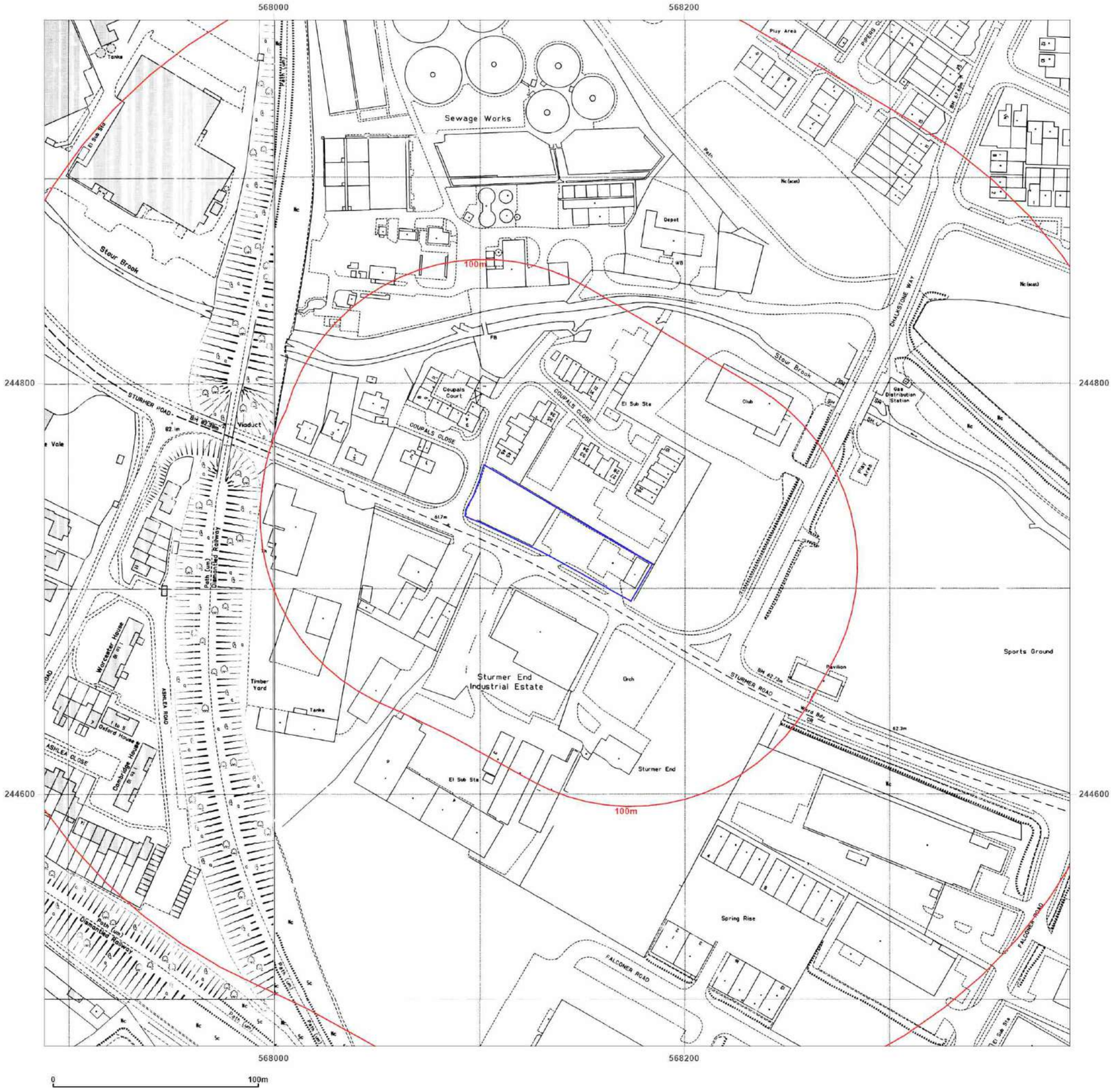

EMAPSITE™

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unspecified

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1994 Levelled N/A

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Map legend available at:
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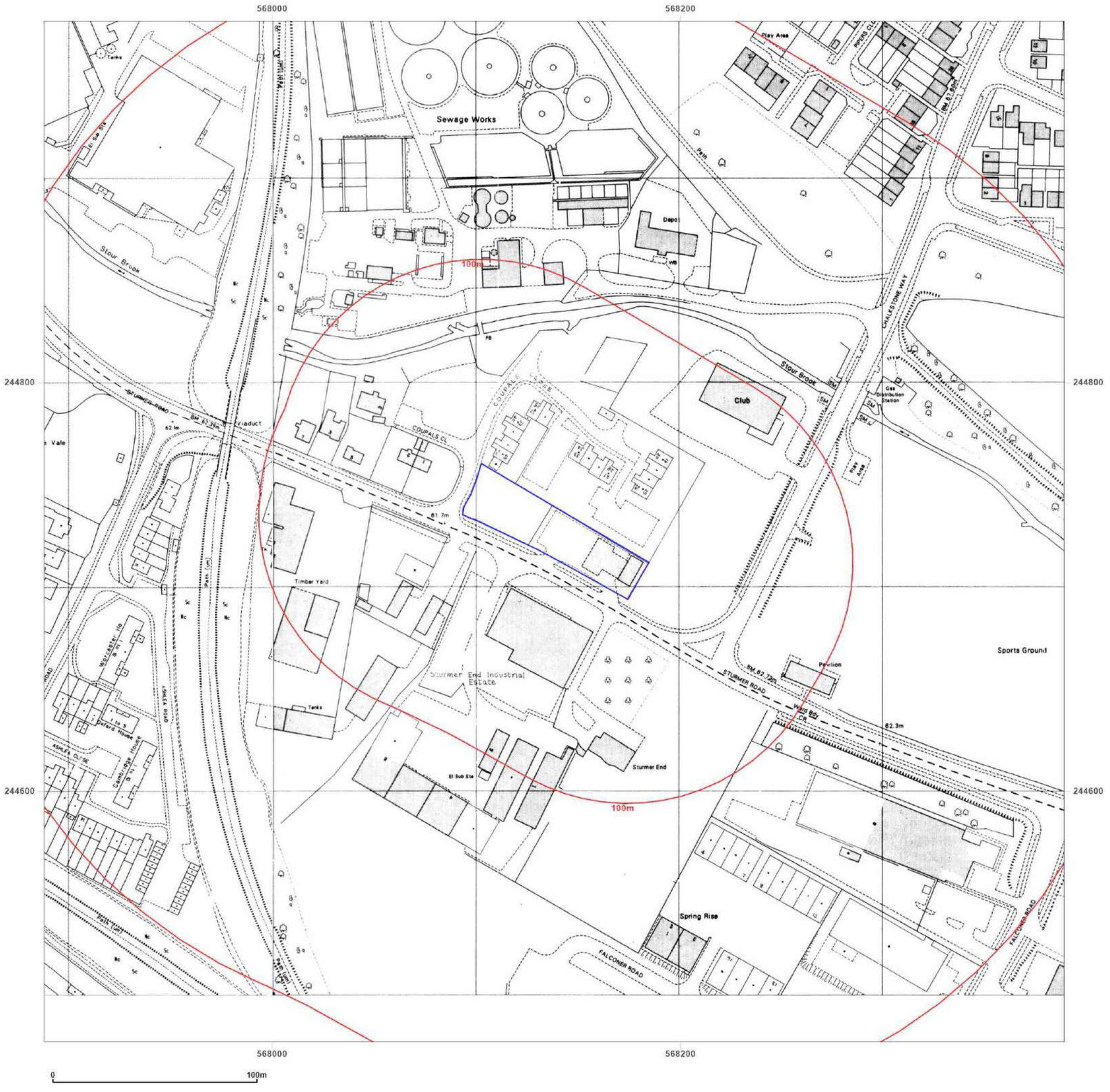

EMAPSITE™

Site Details:

unspecified

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Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1990-1994**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A	Surveyed 1990
Revised N/A	Revised 1990
Edition N/A	Edition N/A
Copyright 1994	Copyright 1990
Levelled N/A	Levelled N/A

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Production date: 08 November 2023

Map legend available at:
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EMAPSITE™

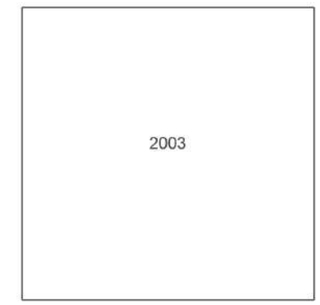
Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

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

N
W E
S



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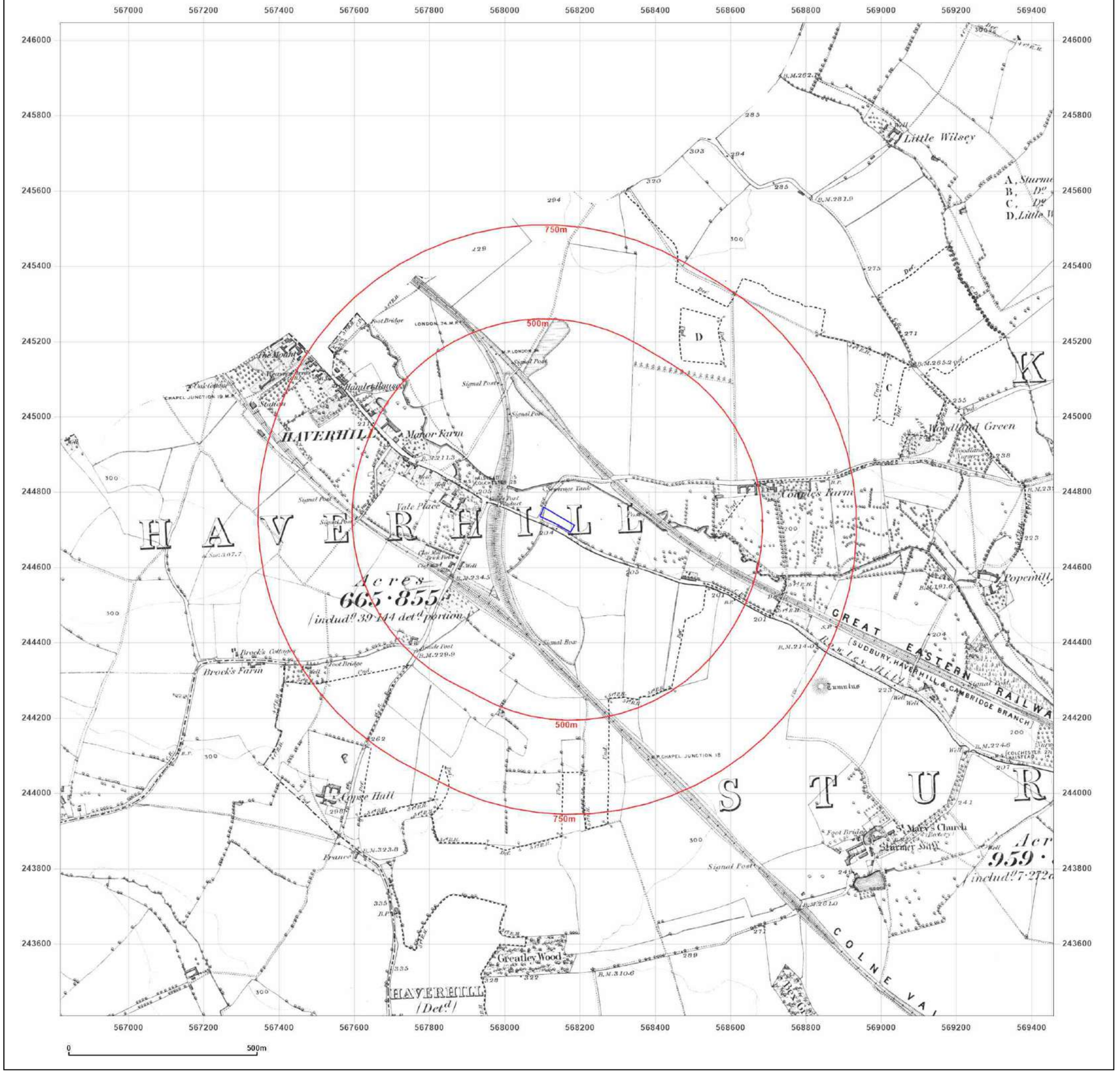


EMAPSITE™

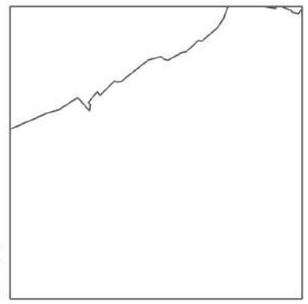
Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series
Map date: **1880**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S



Surveyed 1877
Revised 1877
Edition 1880
Copyright N/A
Levelled N/A

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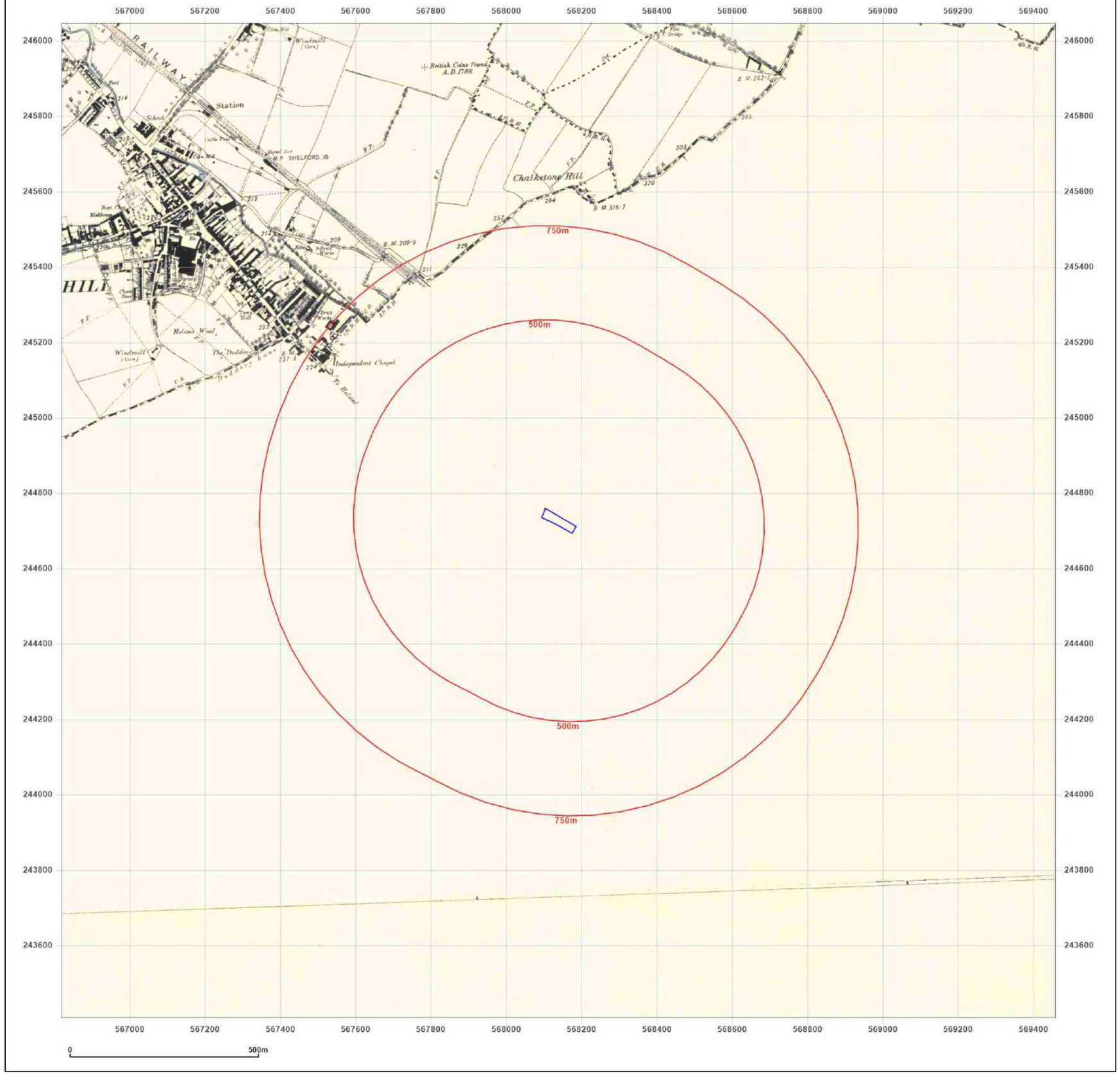

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1885-1888**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1885
Revised N/A
Edition 1885
Copyright N/A
Levelled N/A

Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Levelled N/A

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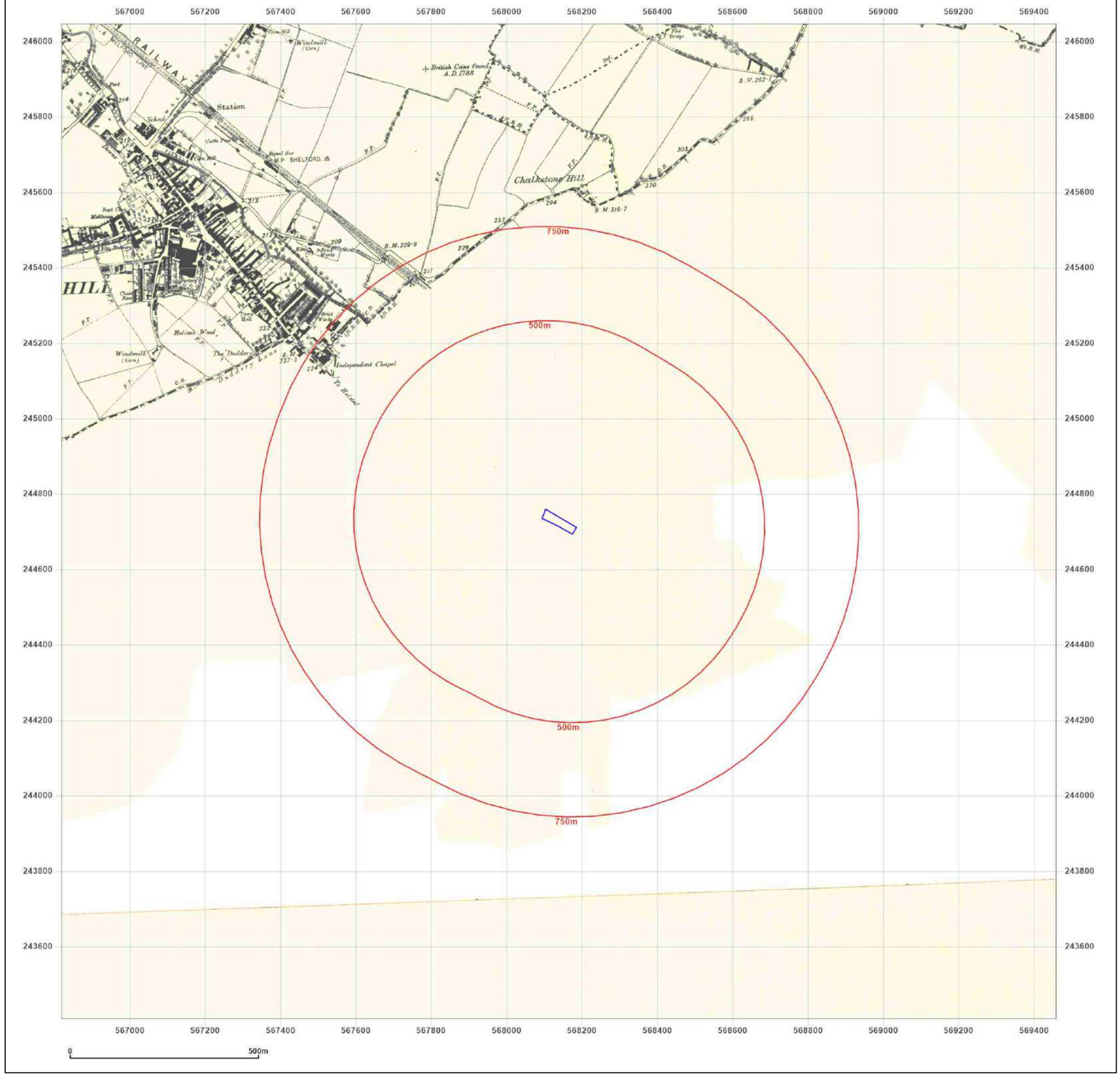


EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

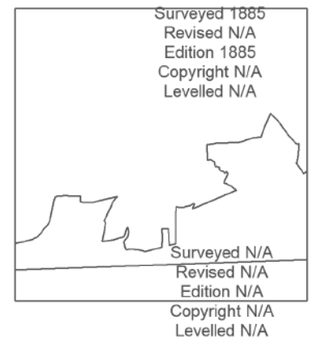
Map Name: County Series

Map date: **1885-1888**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



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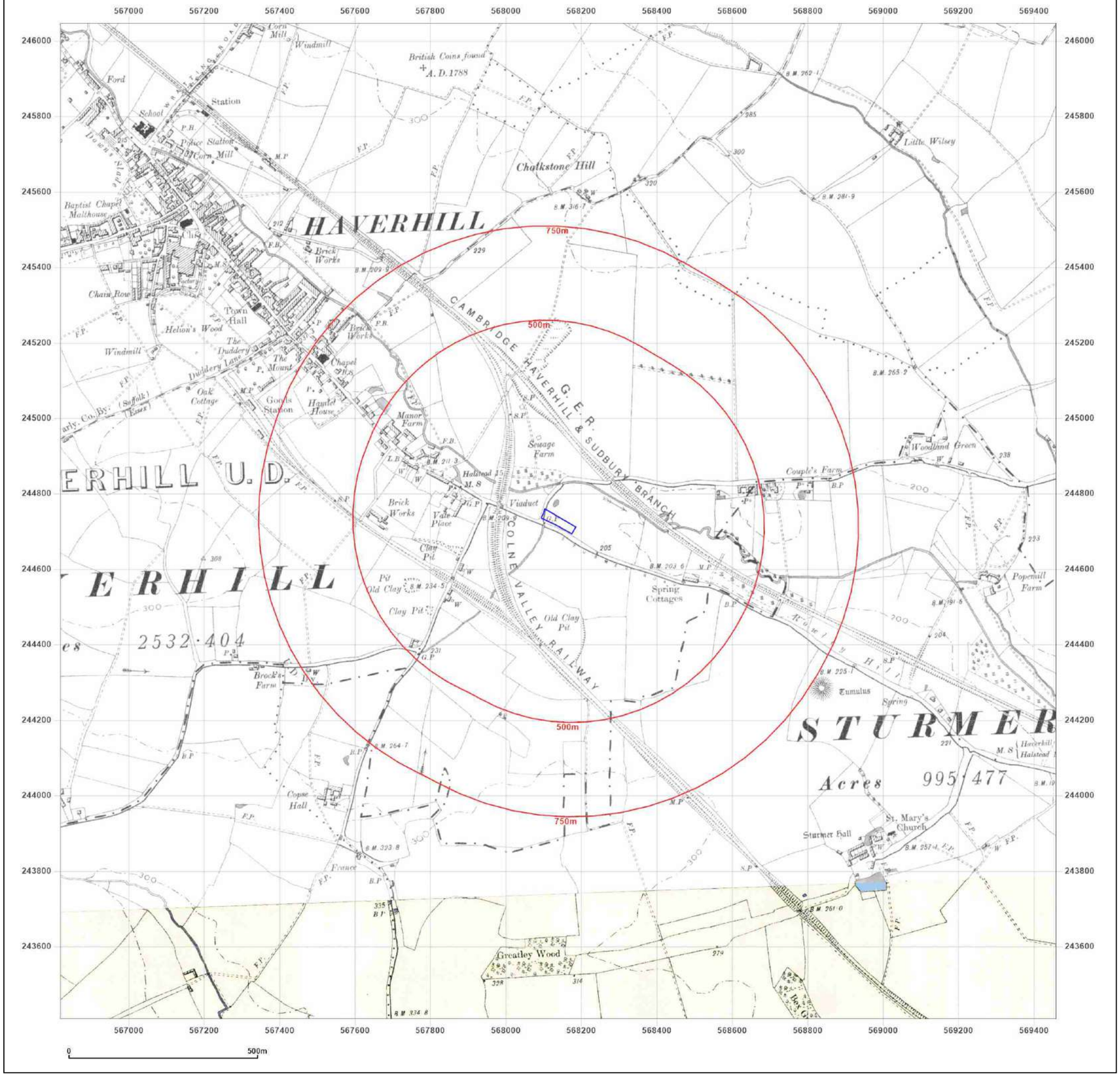

EMAPSITE™

Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1896-1898**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

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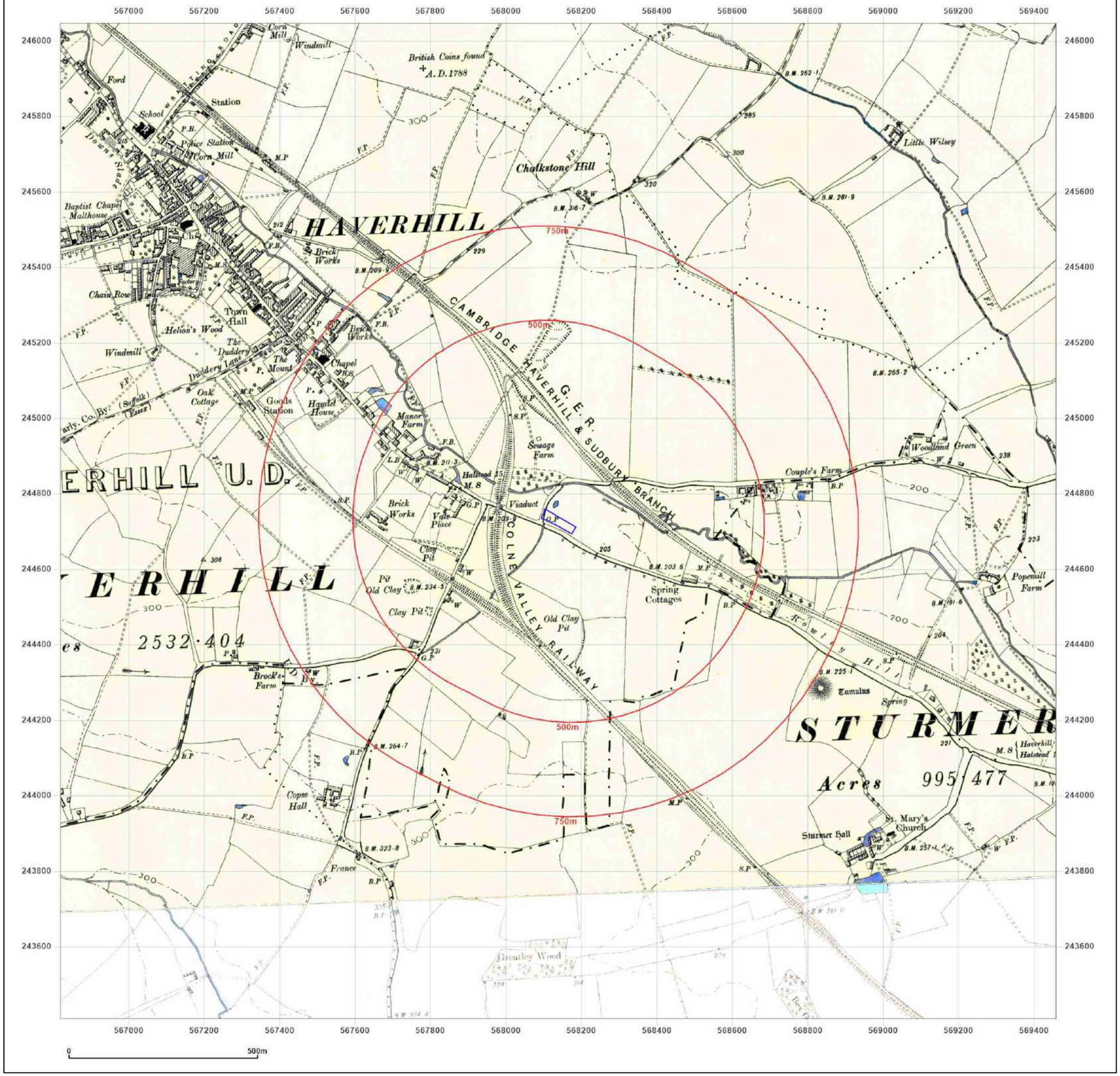

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1898-1899**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1884
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

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

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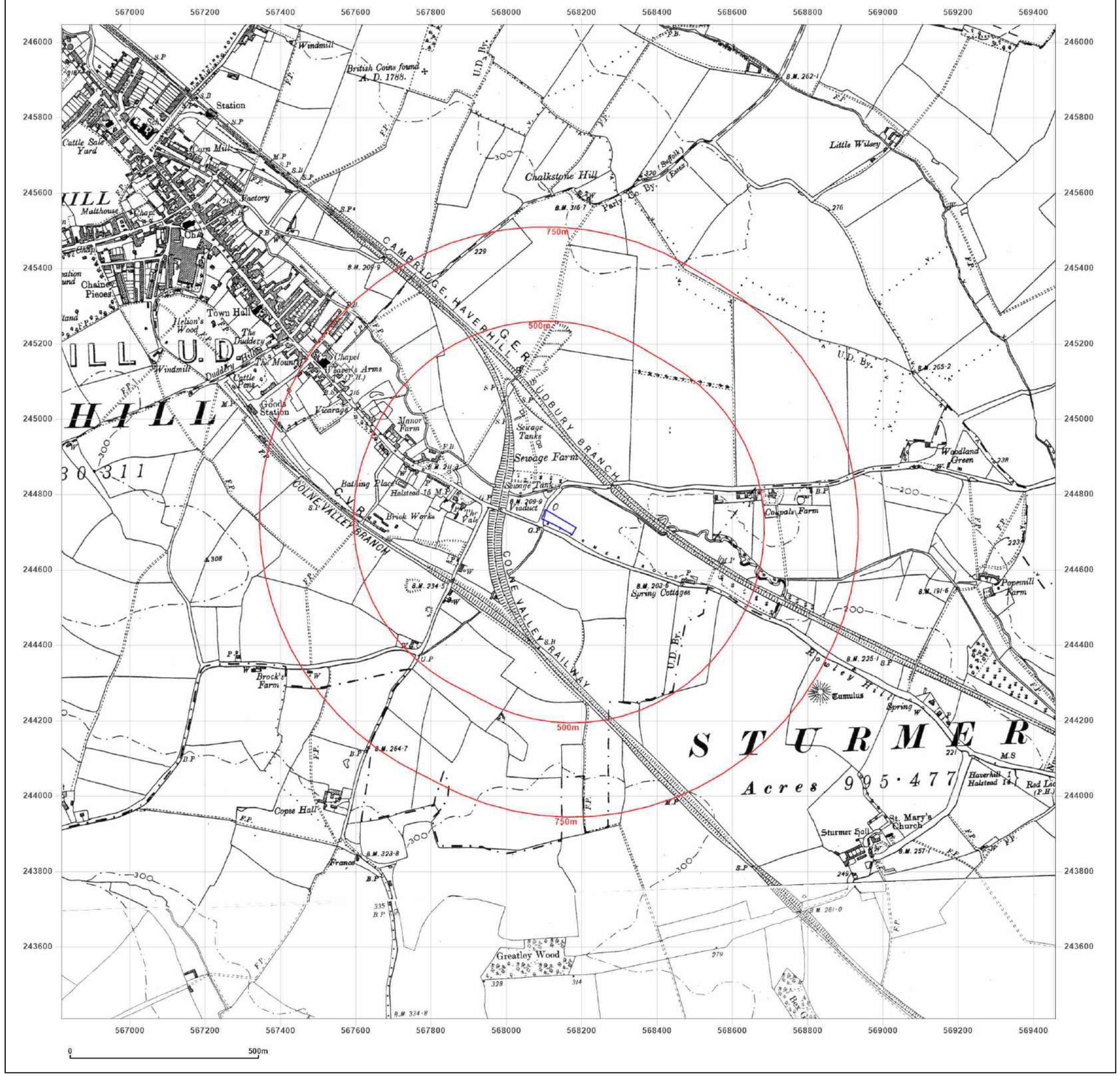

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1905**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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

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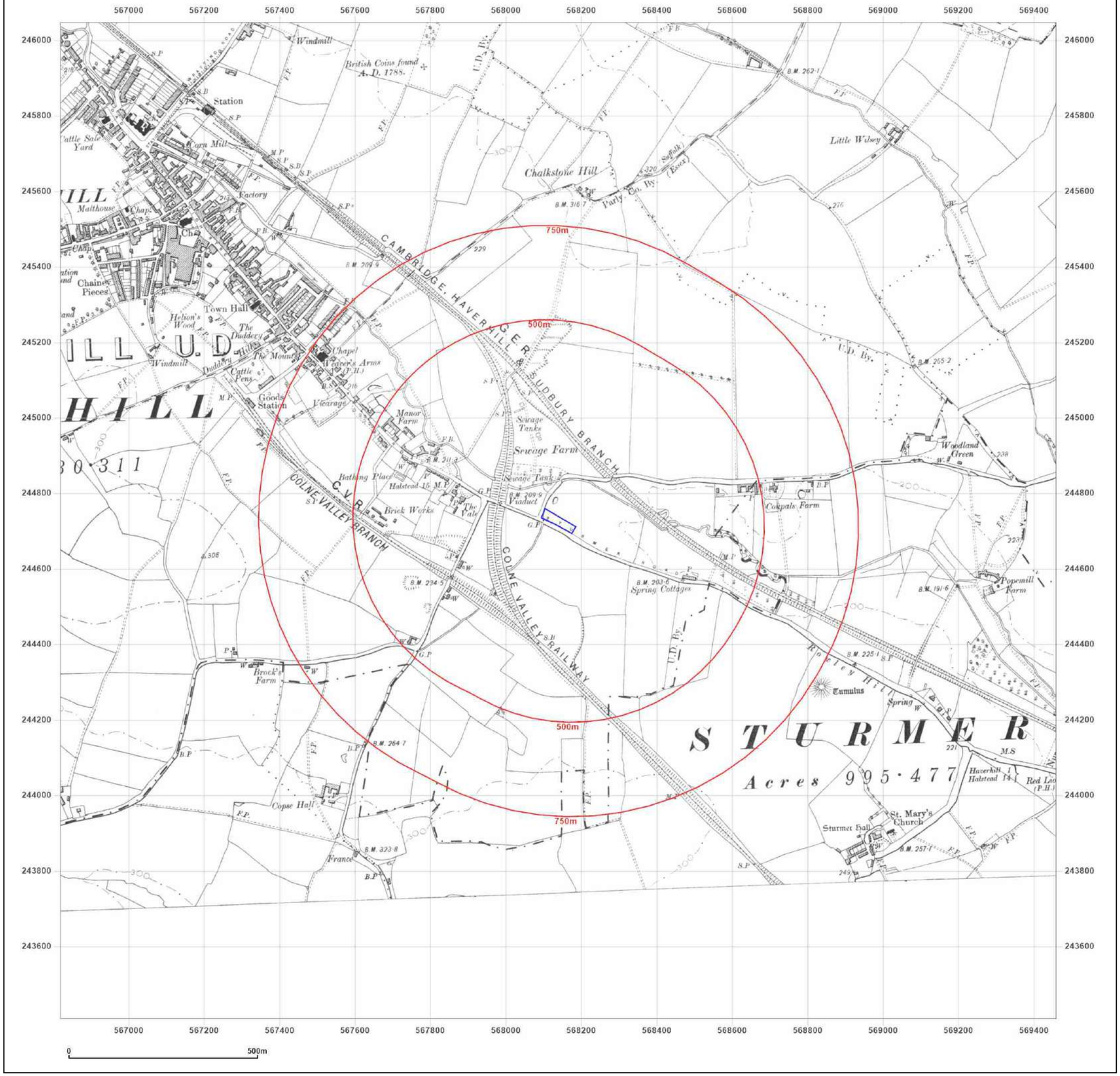

EMAPSITE™

Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1905**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1876
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

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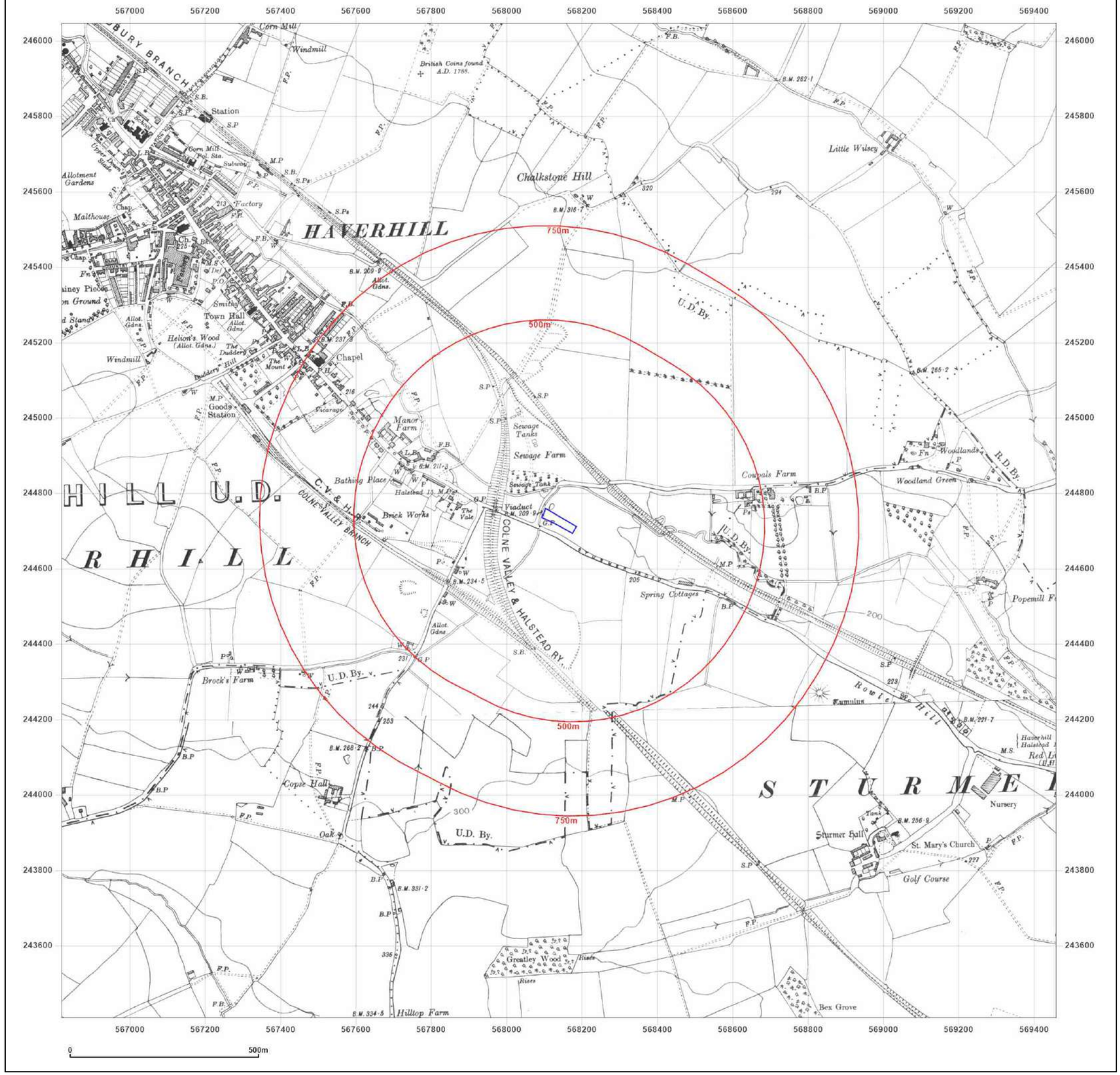


EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

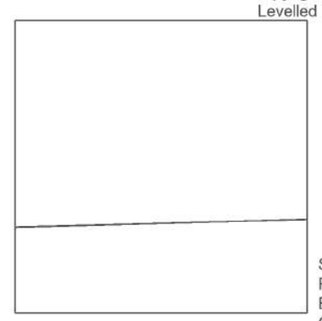
Map date: **1919-1924**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1876
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1876
Revised 1919
Edition N/A
Copyright N/A
Levelled N/A

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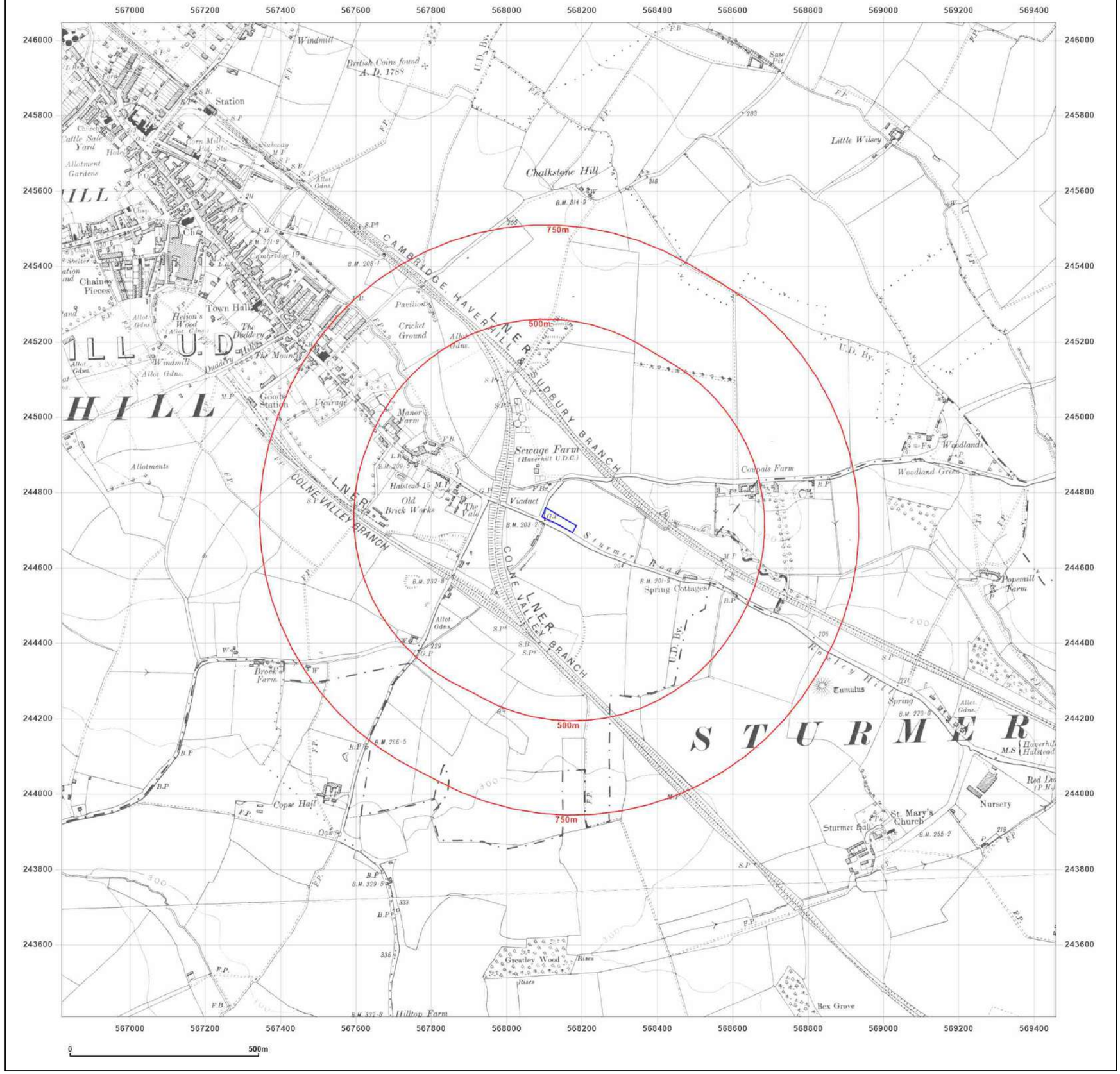

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Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1924-1928**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1884
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1928
Edition 1928
Copyright N/A
Levelled N/A

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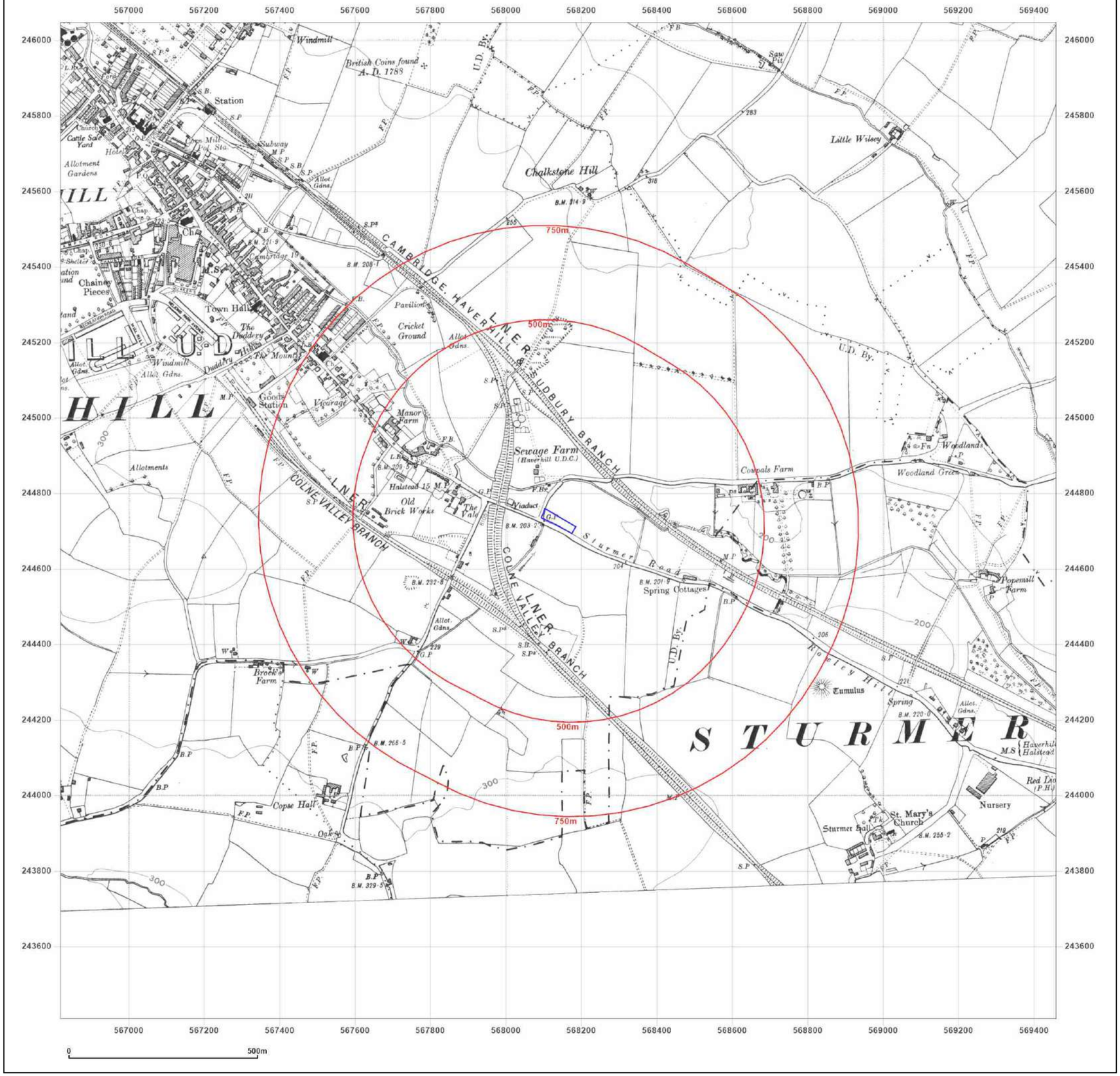

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1884
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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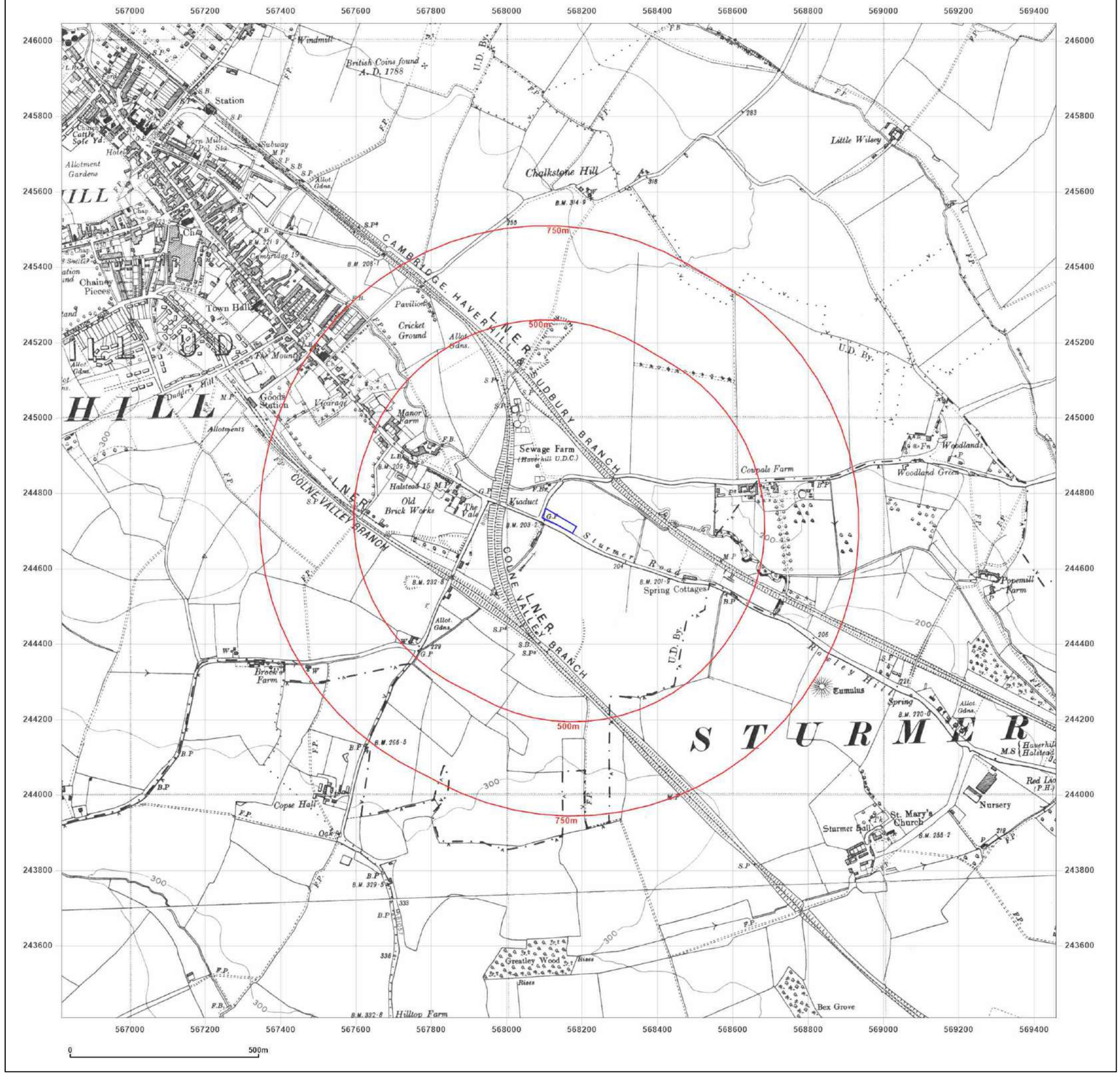

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

Map date: **1949**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1884
Revised 1949
Edition 1949
Copyright N/A
Levelled N/A

Surveyed 1884
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

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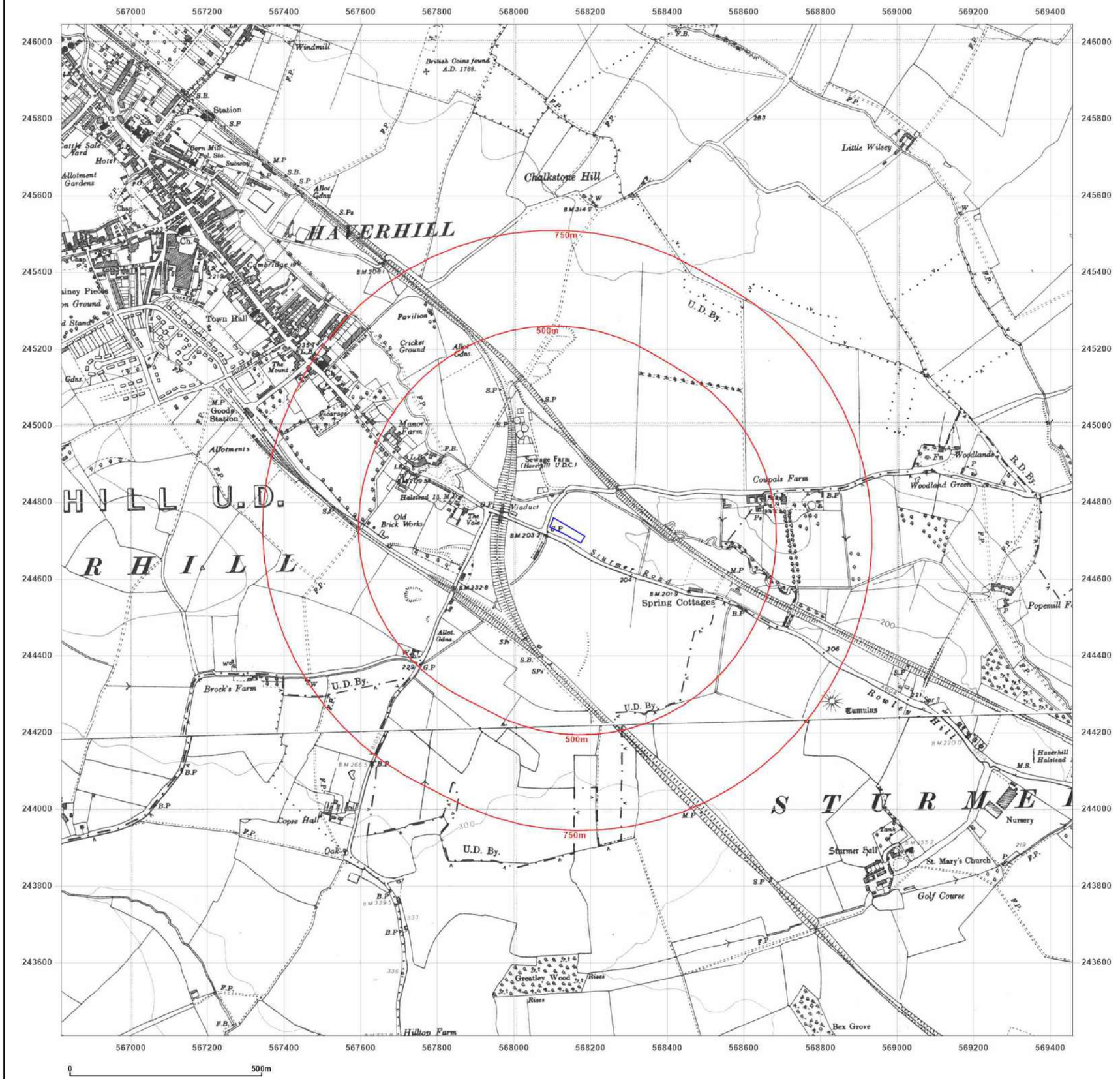


EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: County Series

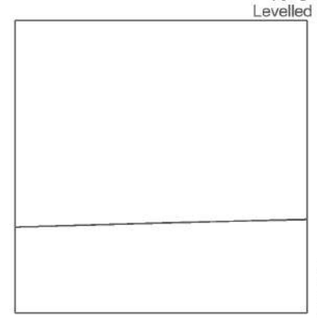
Map date: **1949-1951**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1885
Revised 1949
Edition 1951
Copyright N/A
Levelled 1920



Surveyed 1876
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

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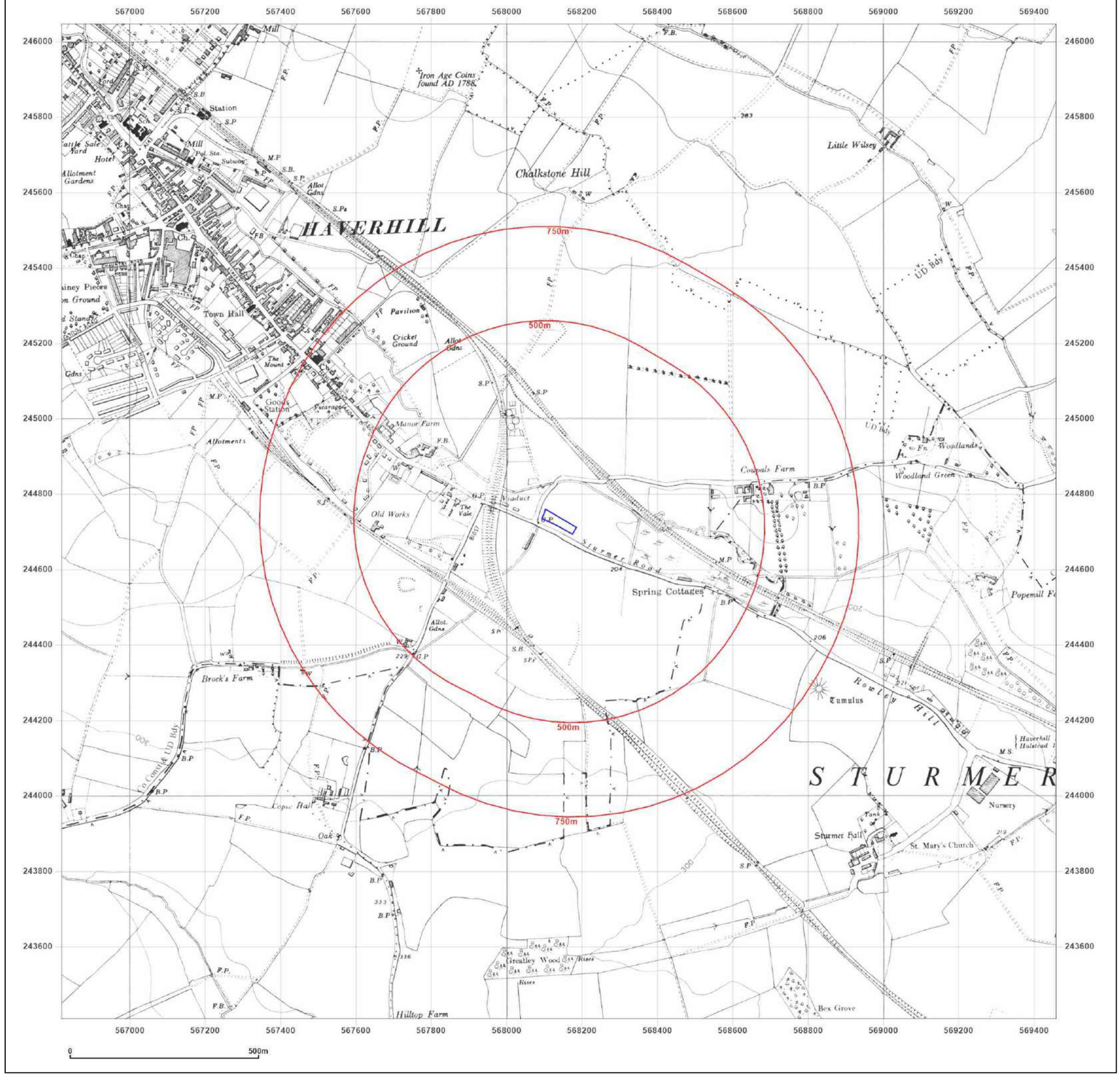

EMAPSITE™

Site Details:

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Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: Provisional

Map date: **1959-1960**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

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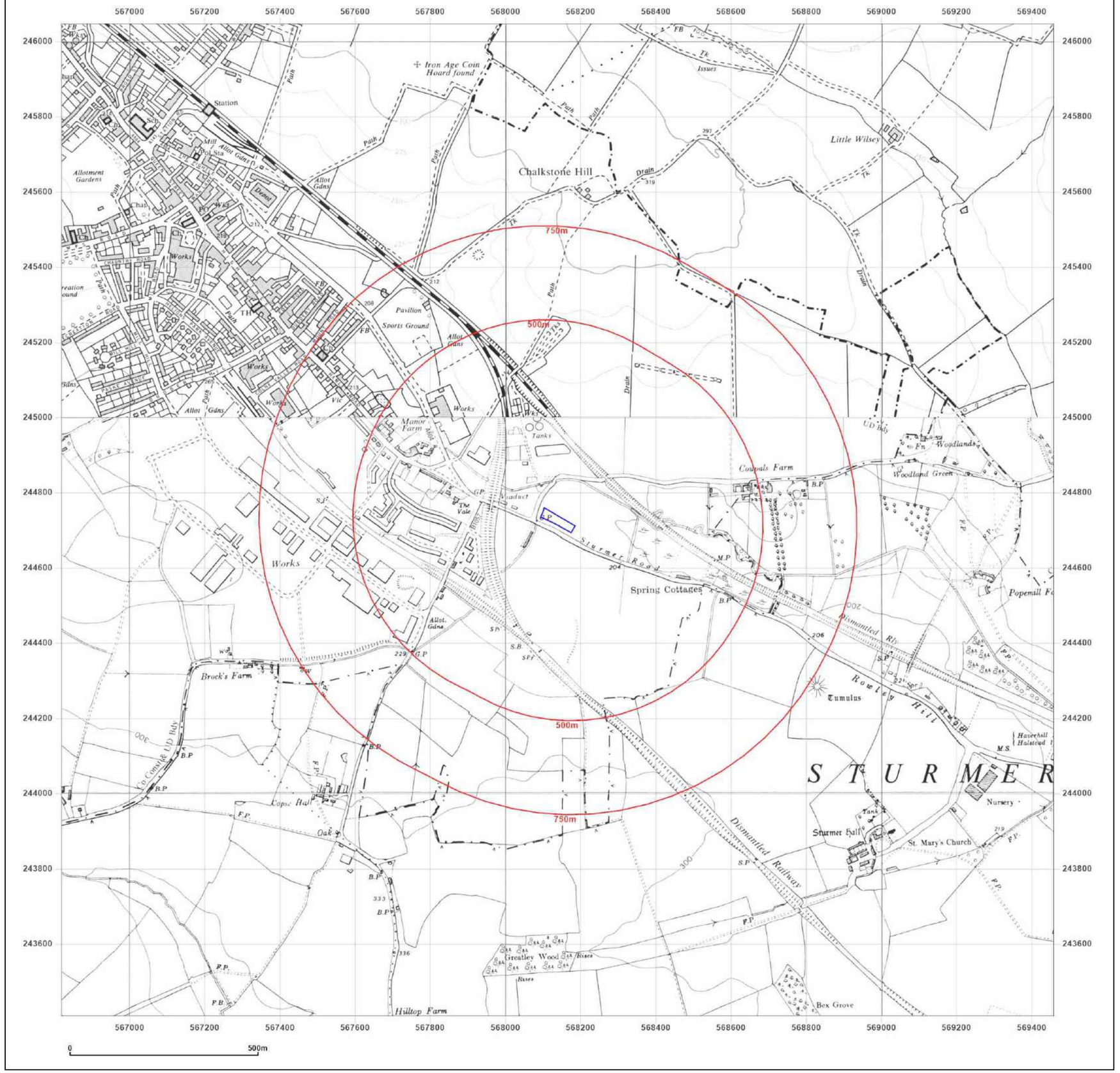

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: Provisional

Map date: **1967-1970**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised 1970
Edition N/A
Copyright 1960
Levelled N/A

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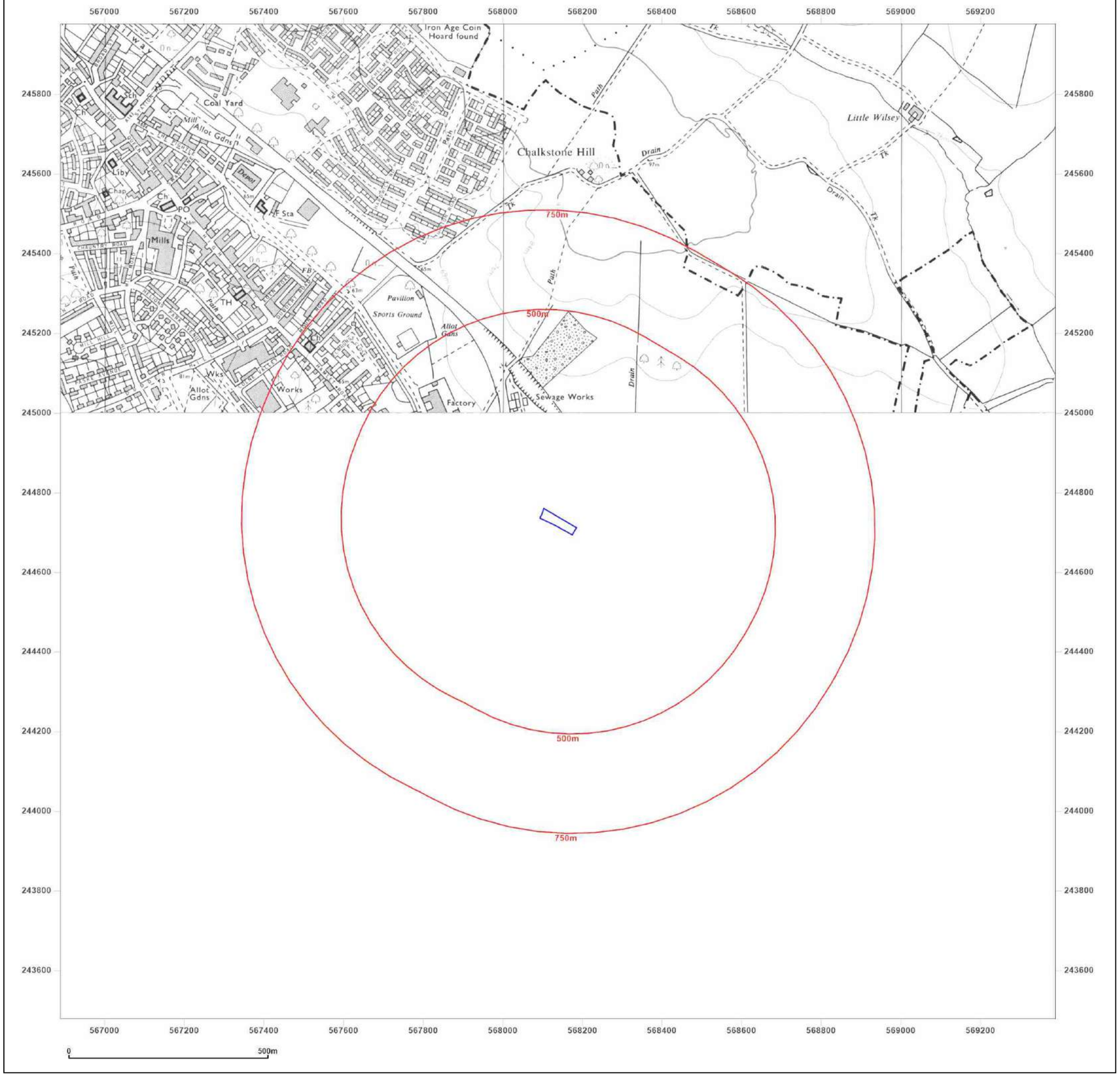

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1972**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1970
Revised 1972
Edition N/A
Copyright 1972
Levelled 1961

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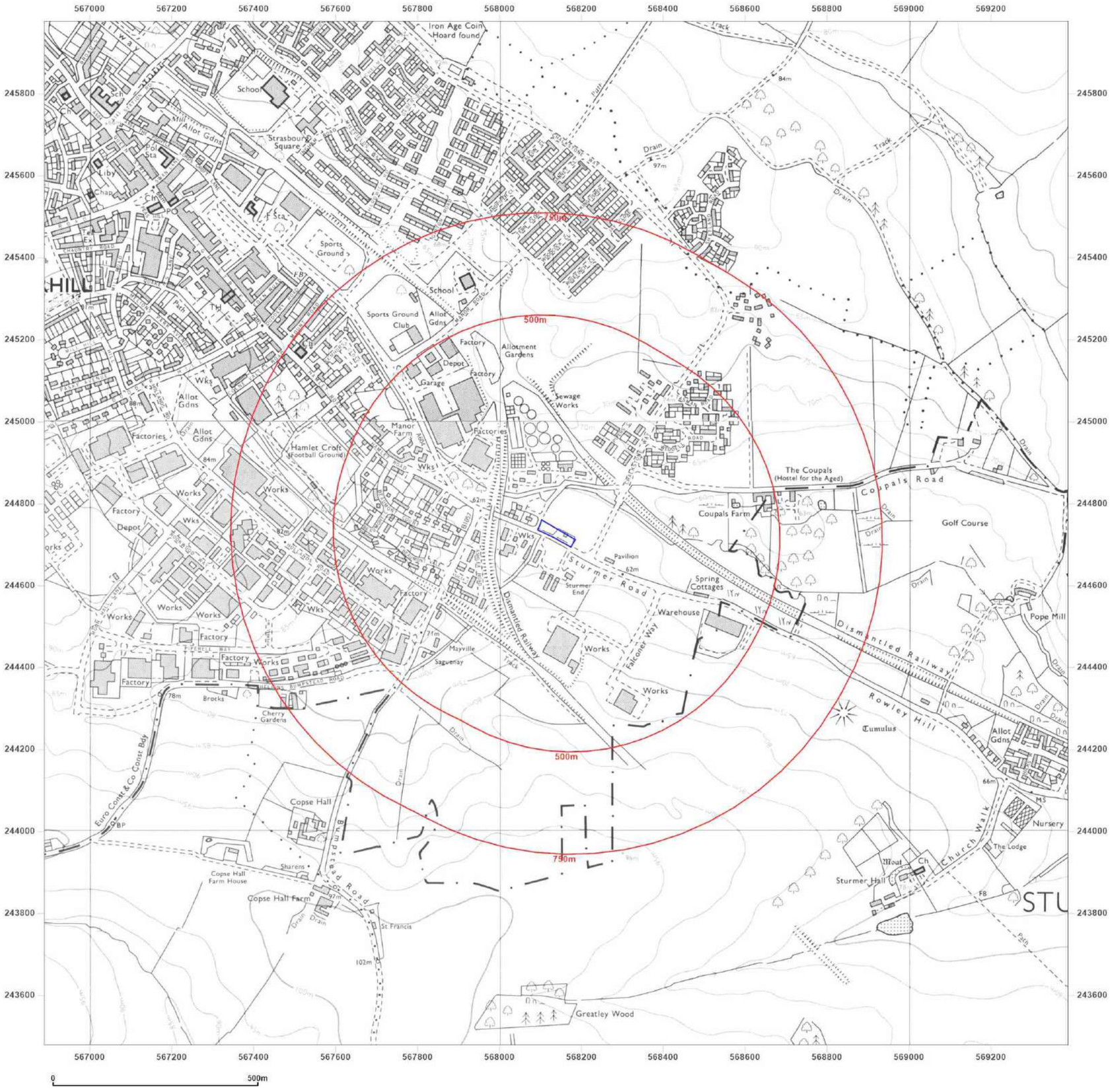

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1981**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

Surveyed 1977
Revised 1981
Edition N/A
Copyright 1981
Levelled 1978

Surveyed 1978
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

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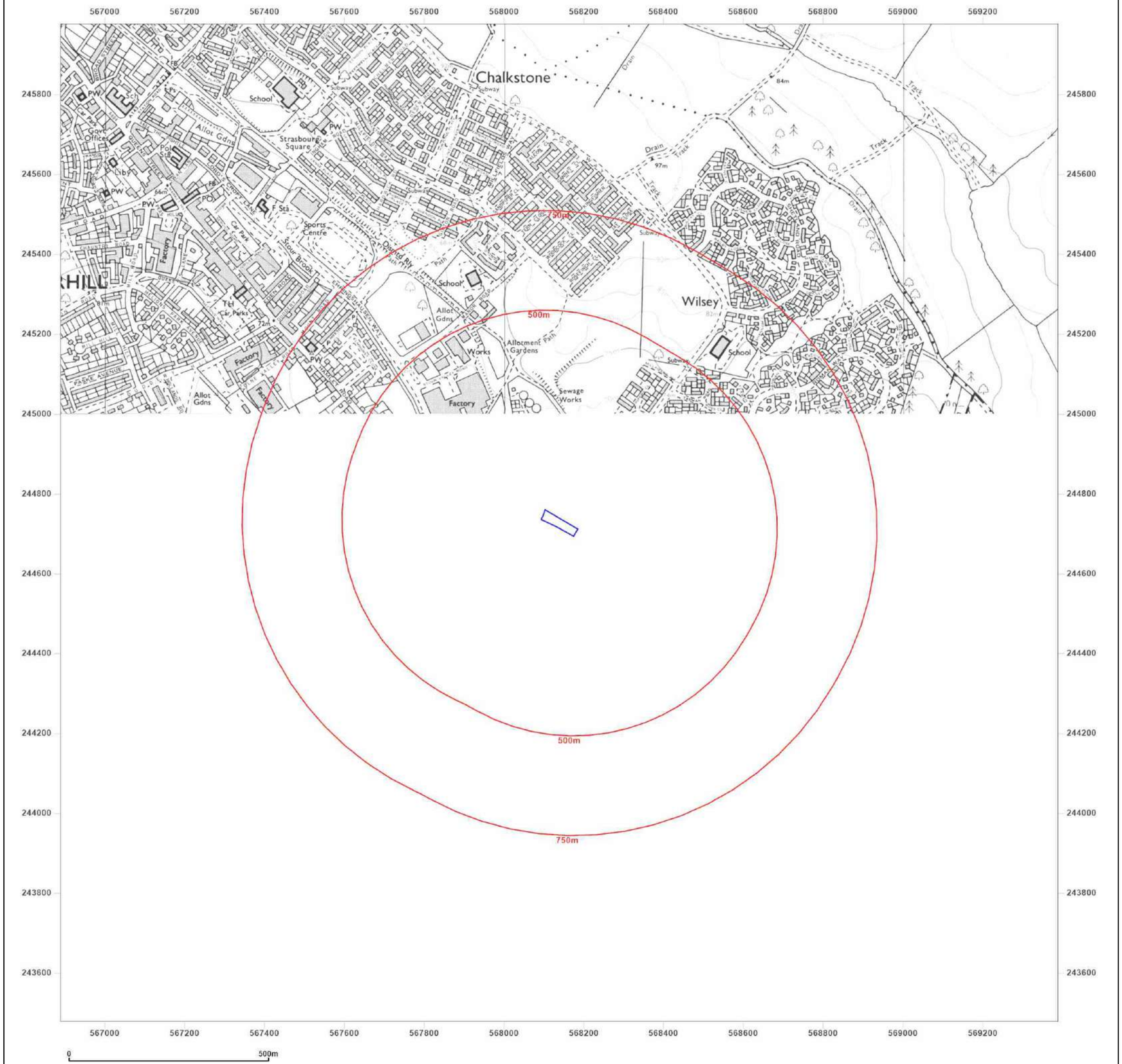

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1989
Revised 1991
Edition N/A
Copyright N/A
Levelled N/A

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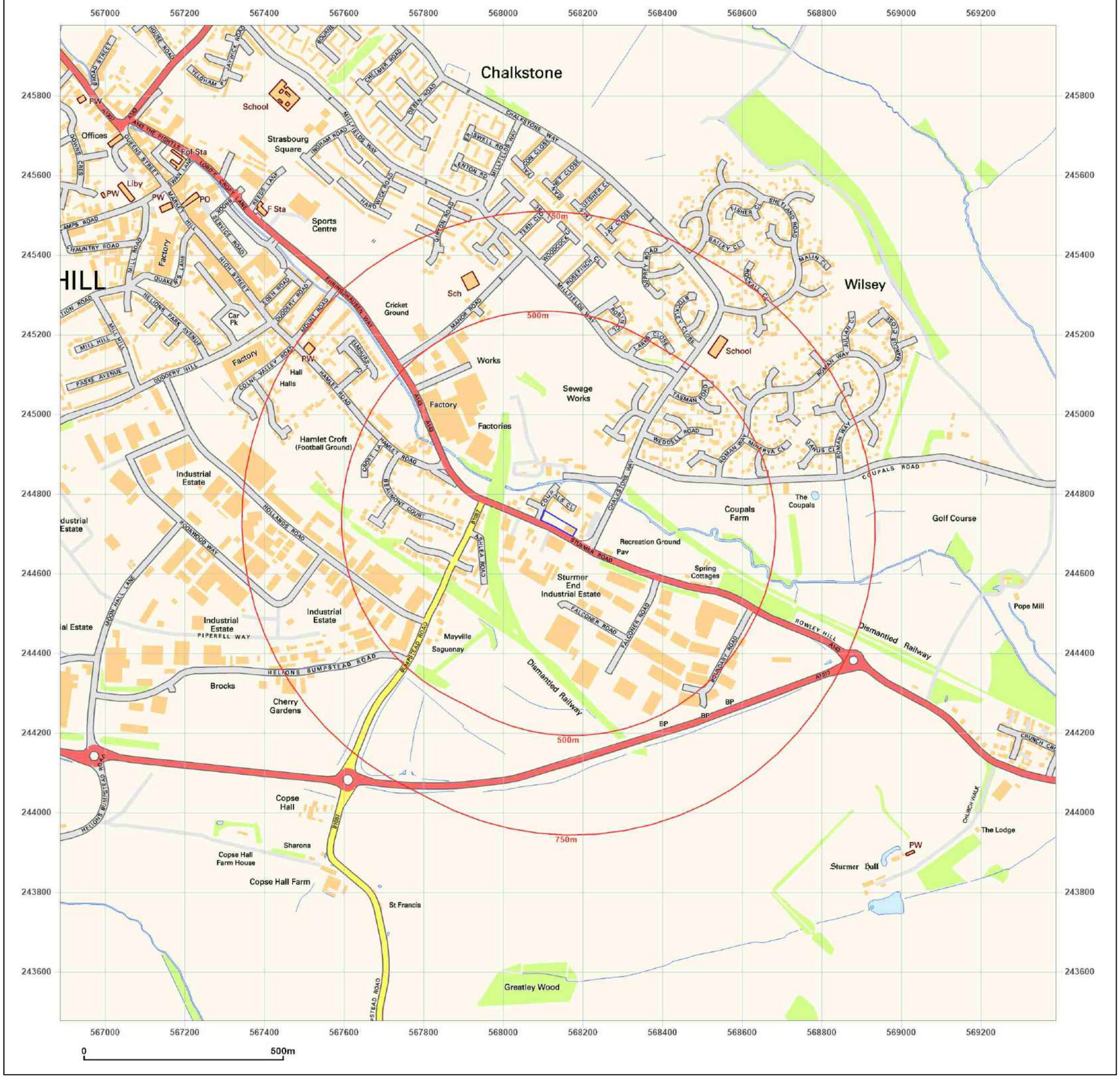

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

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

N
W E
S

2001

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Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2010

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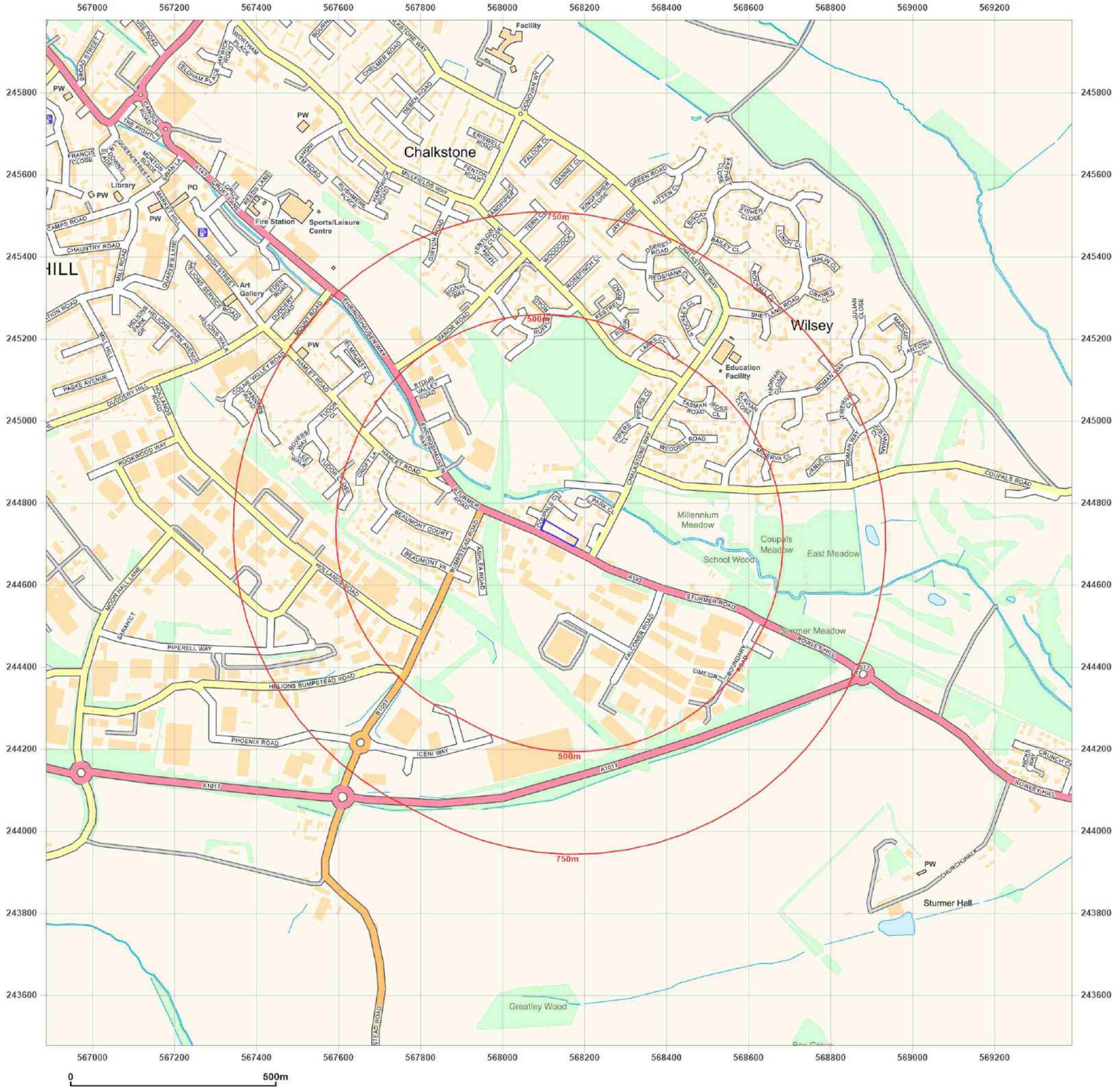

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_905787_1121892
Report Ref: EMS-905787_1155594
Grid Ref: 568138, 244727

Map Name: National Grid

Map date: **2023**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2023

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County Series 1:10,560 scale

VEGETATION

Fir Wood

Deciduous Wood

Mixed Wood

Brushwood

Orchard

Reeds

Rough Pasture

Furze

Marsh

Osiers

ROADS

Railway over Road

Road over Railway

Road over River or Canal

Level Crossing

Railway over River

Road over Stream

Sunken Road

Raised Road

RAILWAYS

Double Lines of Railway

Single Lines of Railway and Tramway

GENERAL FEATURES

Gravel Pit

Sand Pit

Quarry

Shingle

Other Pits

Antiquities, Site of

Arrow, showing direction of flow of water

Trigonometrical Station

BOUNDARIES

County Boundary

Parliamentary Division Boundary

Parish Boundary

Union Boundary

200 Contours

Rural District Boundary

National Grid 1:10,000 scale

HEIGHTS (METRES)

Values are given in metres above mean sea level at Newlyn.

Surface heights determined by: ground survey • 163m; air survey

Bench marks and their values are shown on large scale maps, and bench mark lists containing fuller and possibly later levelling information are obtainable from the Director General, Ordnance Survey.

Contours are at 5 metres vertical interval.

ROCK FEATURES

Loose rock

Boulders

Outcrop

Scree

Vertical face

CONVERSION SCALE

Metres - Feet

2000 Metres – 6500 Feet

6000

5000

1500

4000

ABBREVIATIONS

BP,BS	Boundary Post or Stone
Ch	Church
CH	Club House
F Sta	Fire Station
FB	Foot Bridge
Fn	Fountain
GP	Guide Post
MP,MS	Mile Post or Stone
P	Pole or Post
Pol Sta	Police Station
PO	Post Office
PC	Public Convenience
PH	Public House
S	Stone
Spr	Spring
TCB	Telephone Call Box
TCP	Telephone Call Post
TH	Town Hall
W	Well
Y	Youth hostel

ROADS

Road

Track (Where unfenced shown by pecked lines.)

Path

RAILWAYS

Cutting, Embankment, Road over, Road under, Level crossing, Foot Bridge

Multiple track

Single track

Siding, tramway or mineral line

Standard gauge

Narrow gauge

GENERAL FEATURES

Antiquity, (site of)

Boulders

Building

Pylon

Pole

Electricity transmission line

Glasshouse

Triangulation station

Direction of flow of water

Lake, loch or pond

Sloping masonry

Chalk pit, clay pit or quarry

Gravel pit

Sand pit

Refuse or slag heap

Shingle

Sand

VEGETATION

Bracken, rough grassland

Scrub

Heath

Marsh

Saltings

Reeds

Coppice

Orchard

Coniferous trees

Non-coniferous trees

In some areas bracken ( ) and rough grassland ( ) are shown separately.

GroundSure

Historical Map Pack Legend

County Series & National Grid

1:10,560 scale

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

If you have a query regarding any of the maps provided please contact GroundSure's technical helpline. We will endeavour to answer any queries you may have.

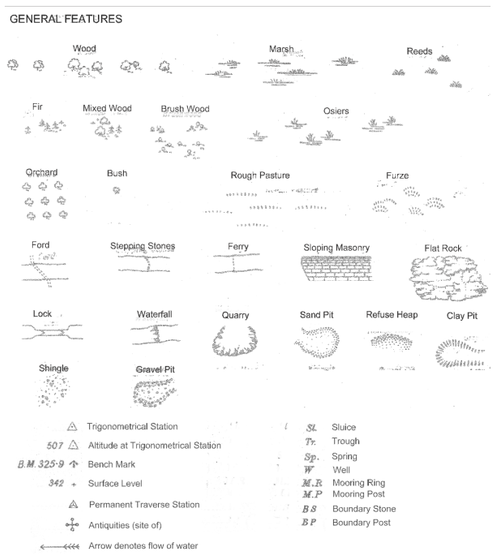
Technical Helpline

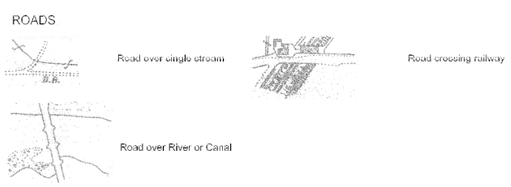
Tel 08444159000

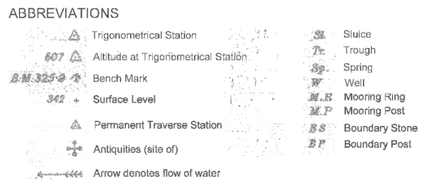
groundsureinsight@groundsure.com

www.groundsure.com

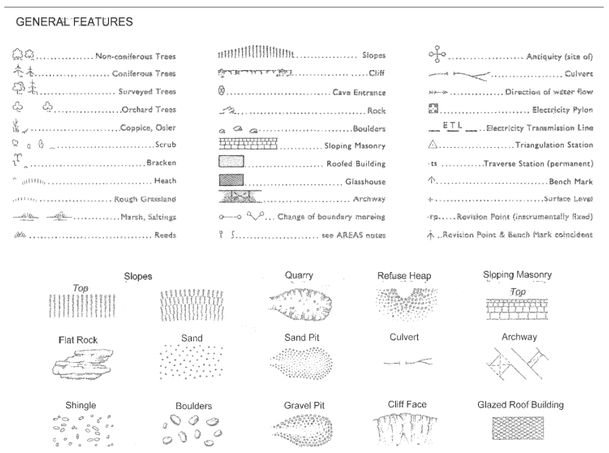
County Series 1:2,500 scale

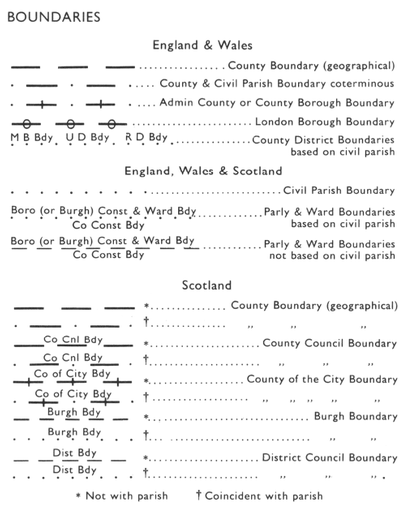


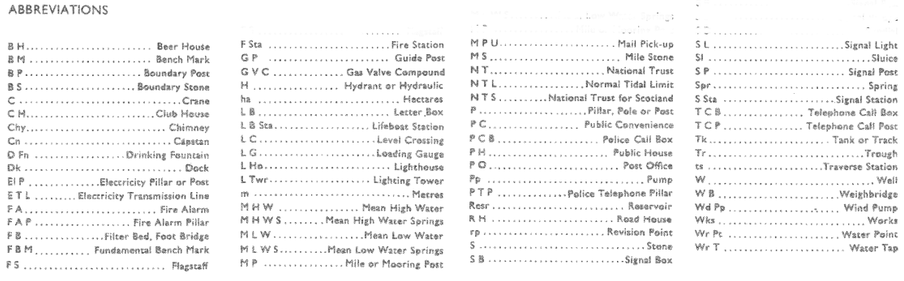




National Grid 1:2,500 / 1:1,250 scale







GroundSure

Historical Map Pack Legend

County Series

1:1,250 scale

~

County Series & National Grid

1:2,500 scale

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Technical Helpline:

Tel 08444159000

groundsureinsight@groundsure.com
www.groundsure.com

Appendix E Petroleum Officer Information and Fairbanks Information

Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023

Fairbanks Environmental
Tech. Management Centre
Moss Lane View
Skelmersdale
P: +44 1695 52175
fairbanksglobal.com

10/11/2023

Haverhill (MFG)(Esso)(FS066)
Sturmer Road, Haverhill
Suffolk, CB9 7UU

Fairbanks Environmental has been monitoring the whole of the site at Haverhill (FS066) since November 2009 on behalf of Motor Fuel Group.

We are a specialist wetstock monitoring company with and SIR (Statistical Inventory Reconciliation) leak detection system accredited to 9 ltrs per day.

All of the stations that we monitor on behalf of Motor Fuel Group across the United Kingdom have our own in-house designed system installed and this allows us to gather communication information as it is communicated between the electronic gauge and the POS (point of sale) on each site. This information includes the start and end time of every transaction as well as the volume dispensed.

As we poll the gauge/tills every 15 minutes, we are able to have up to date information including any relevant alarms that are active on the gauge. We also have a pre-defined suite of thresholds that monitor the data we retreive from the sites and send alerts in-house to our team of dedicated analysts.

Fairbanks Motor Fuel Group work closely to ensure there is a rigid two-way process structure and as a result we work closely with site, area and regional managers.

All deliveries are checked on a daily basis and any anomolies cross referenced with Haverhill (FS066) or the fuel supplier and resolved. This is done at both tank and grade level.

On top of this, all sales and deliveries are cross-referenced with site on a monthly basis and any anomolies investigated and resolved.

The data supplied from the site has been assumed to be correct and the performance of all tanks has been acceptable with no evidence of a loss of product to the ground.

Regards,

Peter Monaghan
Wetstock Analysis Assistant
The Technology Management Centre
P: +44 1695 51775

• Current tank details (grade, date of installation, capacity, construction details)	• 5 tanks on the site, installed in 1987 and believed to be single skinned: o Tank 1 = licensed for 35280 litres (as of 1/7/16 – Diesel) o Tank 2 = licensed for 26460 litres (as of 1/7/16 – Unleaded) o Tank 3 = licensed for 26460 litres (as of 1/7/16 – Unleaded) o Tank 4 = licensed for 26460 litres (as of 1/7/16 – Unleaded) o Tank 5 (Paraffin?) = 9092 litres, storage quantity 8800 litres. Uncertain of the status of this tank, does not appear to have been used since approx. 1995. o Notes from one petroleum officer: 6 Tanks:Tanks 1-4 + 6600l Tanks 5-6 = 23200l
• Details of any decommissioned tanks, including locations if possible	• Three tanks installed in 1962/1965 were removed in 1987 (no details about locations known) • Other than Tank 5 being a previous paraffin tank but no other information is known about it. •
• Details of any known fuel losses / spillages or other stock control concerns	• Tanks 1 to 4 and associated lines were tested in July 1998; Nov 2001 and Nov 2003 all passed • In Dec 2002 losses & gains were reported on 2 tanks; however, it appears that this was attributed to the grade changes that had occurred. • In 2010, there were a few issues with oil in the petrol interceptor – it is not clear what this was down to. • We have received a few notifications of monthly losses since 2011, however, none of these have resulted in further action being taken. • No incidents of spillage known. • In 2010, there were a few issues with oil in the petrol interceptor – it is not clear what this was down to.
• Date of first petroleum licence	o Earliest one on record is 1995 – copy included. However indications are that it was first licensed in 1962.
• Any available drawings	• Separate file with all drawings that are held by the Department. – The drawings were too large to scan as a complete drawing – so scans of segments were taken and all appear on the same file – they will need to be printed out and put together.

• Any information relating to past redevelopment / layout changes	• Data from 2018: Comparing the 1987 and 1997 plans, there have been no significant changes to the layout of the forecourt. The biggest change being an increased footprint of the shop/kiosk. • The first record relating to a PFS on the site dates back to 1962, however the only information that I can find relates to the 3 tanks (2 @ 4000 gallon tanks installed in 1962 and 1 @ 2000gallon tank installed in 1965). All are recorded as being removed when the site was redeveloped in 1987, however no historical plans exist. • Vapour recovery Appears to have been installed in 1994, this will be licensed by St Edmundsbury District Council, based in Bury St Edmunds • No changes since 2014 until Planning Application DC/22/1016/FUL - Installation of EV Charging points & Jet washes on existing car sales site, adjacent to existing PFS

instate any paved / landscaping to tch existing.

PEWORK INSTALLATION

All pipework is to be medium eight galvanised mild steel pipe to omply with B.S.1387, with screwed nd socketed joints. Fittings to omply with B.S.143 and B.S.21:1973.

/ All pipework to be bedded and urrounded in 150mm C30 sulphate esisting concrete.

/ Allow for new vapour recovery nstallation as indicated on drawing TD/08 in the manifolding of existing pirit tank vents and running of apour return line.

/ Allow for the removal of existing 5mm direct fill pipes and internals nd replace with 100mm direct fill ipes, internals and Emco Wheaton verfill prevention valves & ssociated warning sign to each fill ipe. Fill connection complete with 00mm cam action fill pipe adaptor, ust cap & padlock.

x x x x x x x x x x x x x x x x
x x
x CAUTION - x
x EXTREME CARE TO BE TAKEN x
x WHEN EXCAVATING ADJACENT x
x TO ALL EXISTING PIPEWORK x
x x
x x x x x x x x x x x x x x x x

VAC

g

P2

P1

P3 4*/UL DERV

P4

P5 4*/UL

SELF SERVICE FORECOURT

P6

P7 4*/UL

KERO

SALES BUILDIN

CANOPY OVER

P8

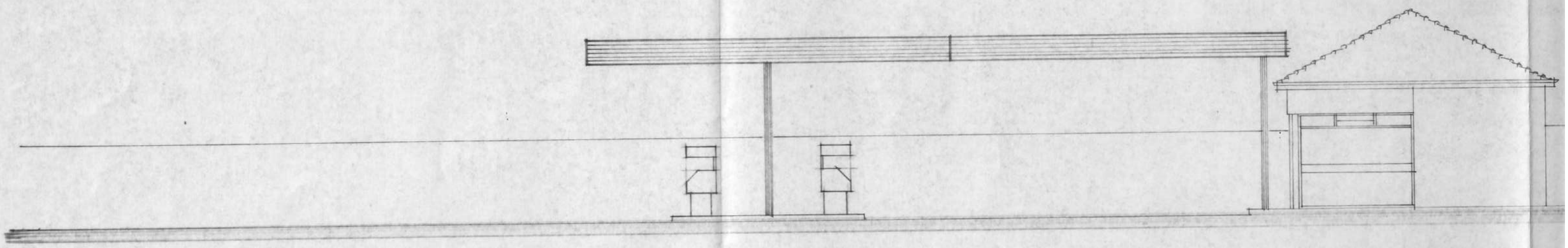
P10

P9 4*/UL DERV

INTERCEPTOR

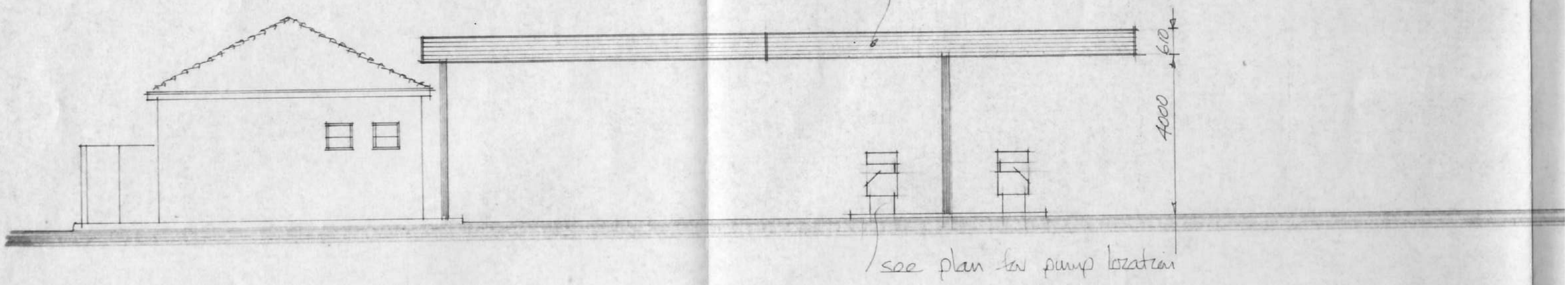
g channel drainage

CROSSOVER



SOUTHWEST ELEVATION

Canopy fascia painted
60% red 30% blue 10% white.



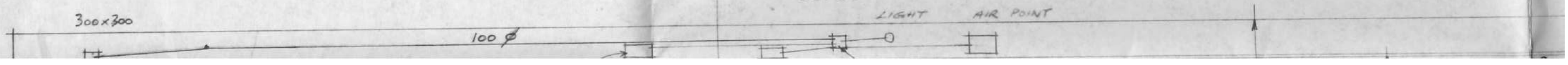
NORTH EAST ELEVATION

E

New jet wash silt trap unit set in concrete surround - connect to existing drain system break out whole of concrete bay, reform with falls of 50 mm from each corner to silt trap 200 mm thick concrete mesh reinforced make good to joints where disturbed

TE:
or to commencement of excavation works locate existing services lines and vent lines to avoid damage

stanchion bases as des
see Condes calculation



NOTES:

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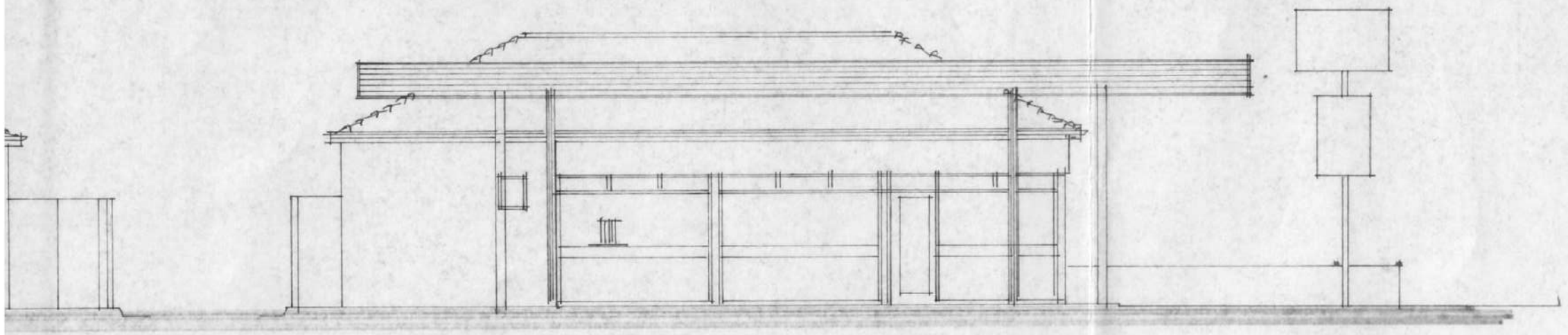
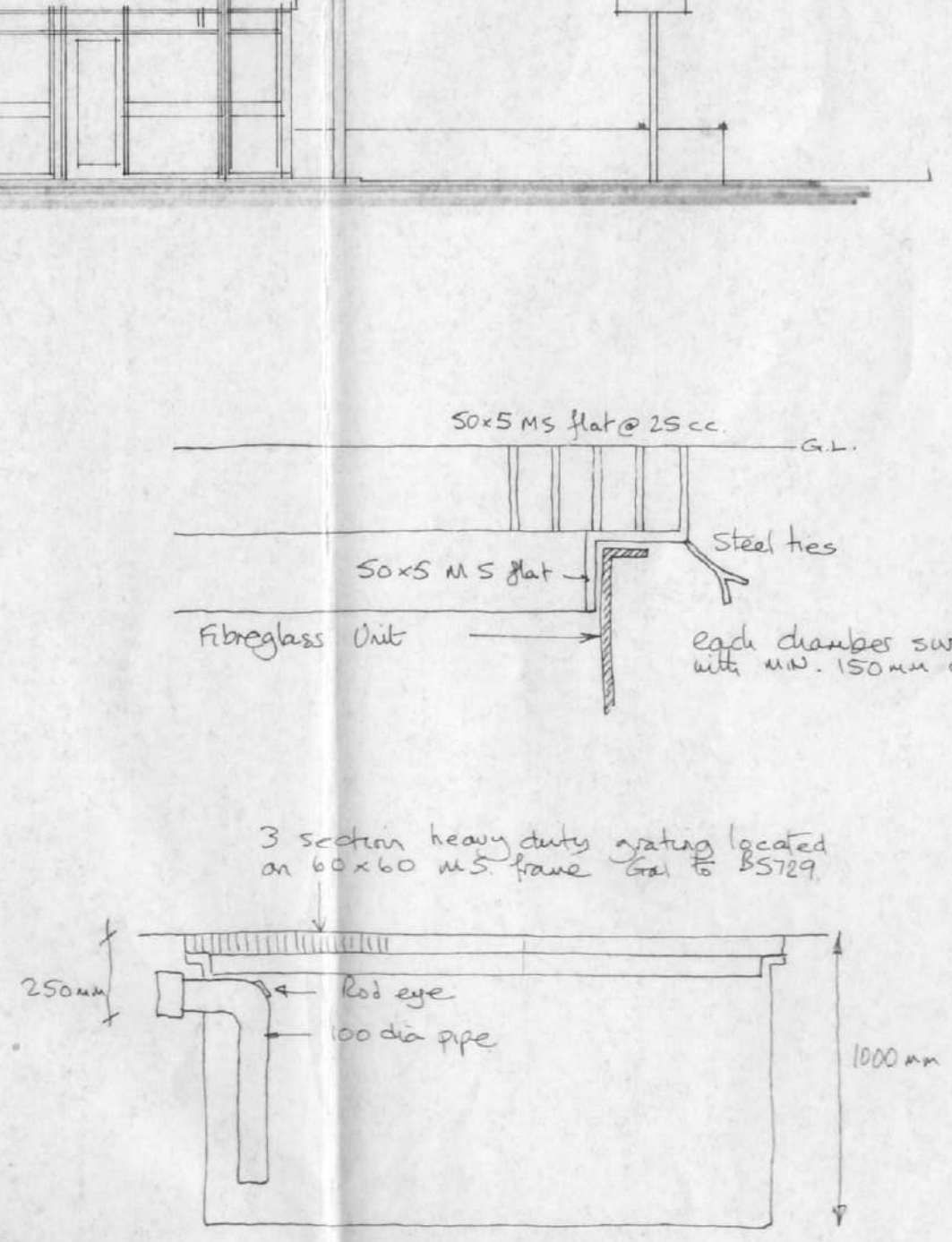
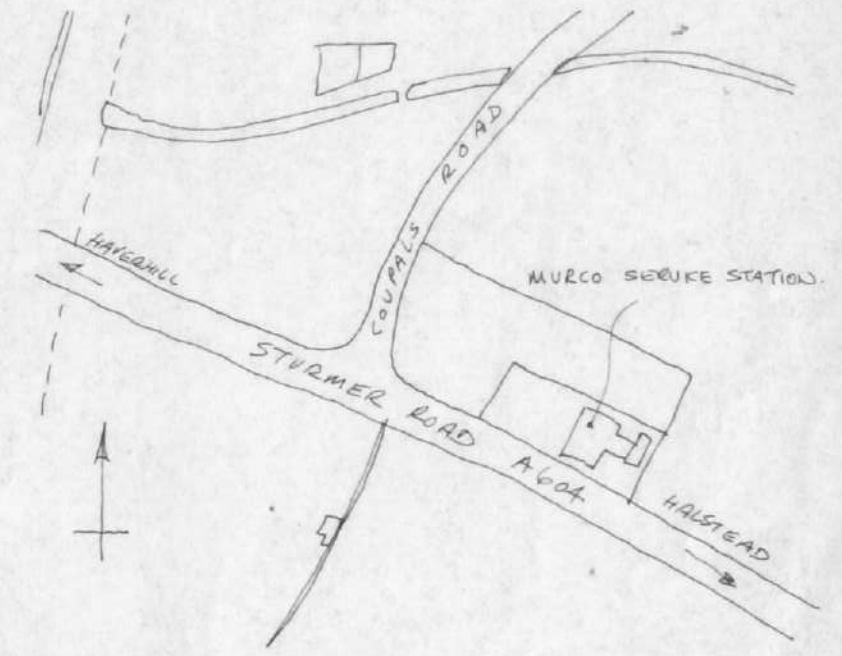


NORTHWEST ELEVATION



DETAILS OF JETWASH SILT TRAP



To be read in conjunction with Drawing 1676/3/3 B

esigned by Condeer Ltd
ours.

E	SEPT. 10.92	SILT TRAP ADDED TO CAR WASH BAY
D	JULY. 13.92	VAPOUR BALANCING ADDED
C	JULY 14.97	FOREDOURT JOINTS ADDED / DUCTS AMENDED
B	JUNE.87	FW/DUCTS/PIPEWORK/ISLANDS/VALVES/LIGHTS/FACILITIES
A	MAR 87	CANOPY AMENDED SW DRAINS + BASES ADDED

excavate concrete forecourt lay in 75mm(3")
vapour balancing pipework to comply with HSG41
6 new tanks note connection chambers. Make good to forecourt.
final layout to suit existing suction line locations

apt existing vent pipes to
it vapours balancing valves
.

EXISTING JET CAR WASH

VAC. UNIT

Build in new road gulley

100 dia in

New access chamber over existing drain run

100 ø

17000

4275

816 816

1000

P1 D

R Eye

2000 x 1500 x 600 STANCHION BASES

P2

100 x 600

2 x 100 ø

line of canopy over

P3

3630

2670

P4 D

R Eye

4275

9500

100 ø

300x300

100 ø

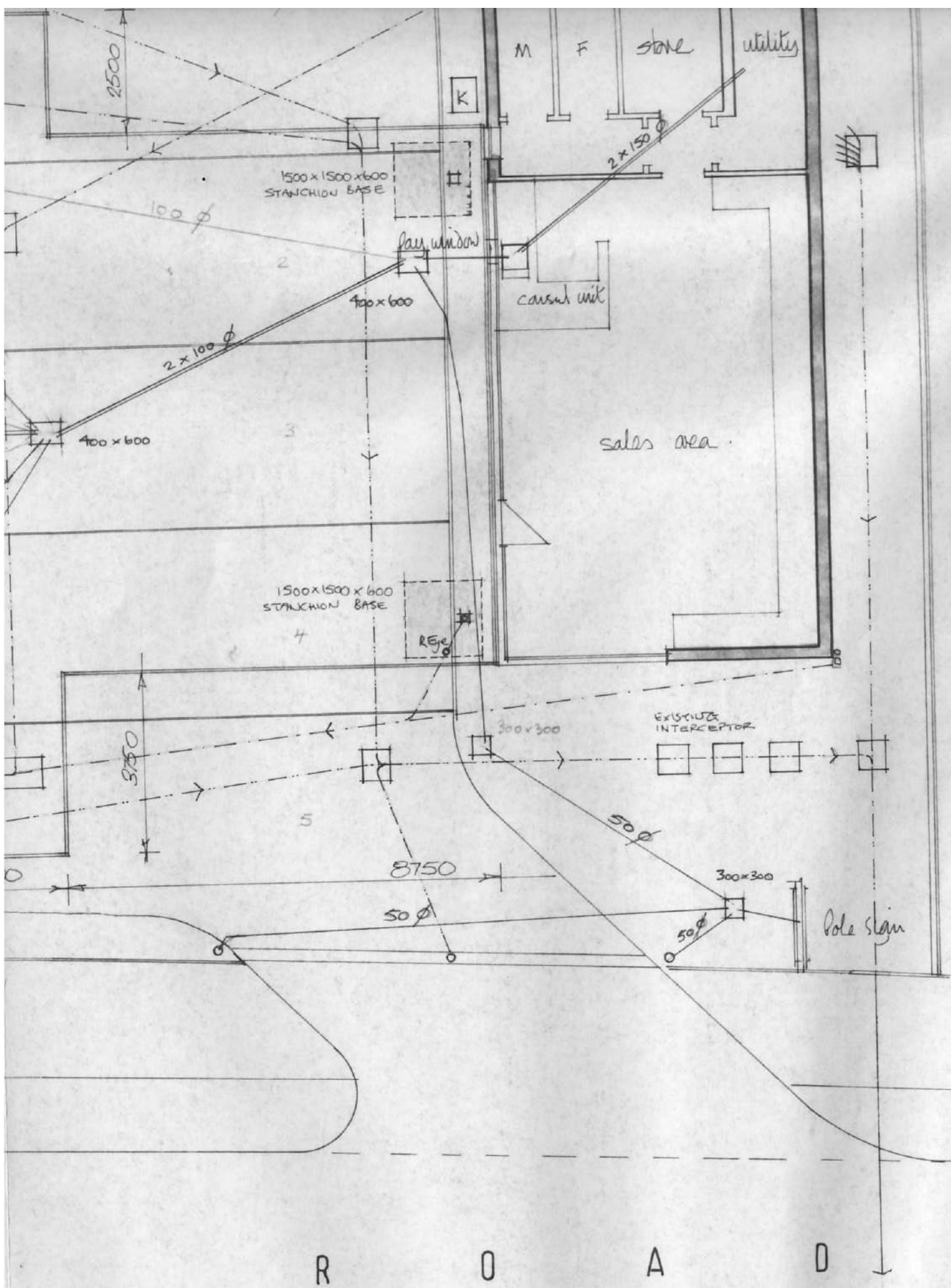
Pole sign

300x300

50 ø

50 ø

S T U R M E R



Leslie E Hatton FRIBA
Architect and Design Consultant

12 Shires Way Yateley Camberley
Surrey GU17 7SX tel 0252 875015

Client

Murco Petroleum ltd

Job Title

SILT TRAP INSTALLATION TO JETWASH

Murco Service Station
Sturmer Road, Haverhill.

general layout

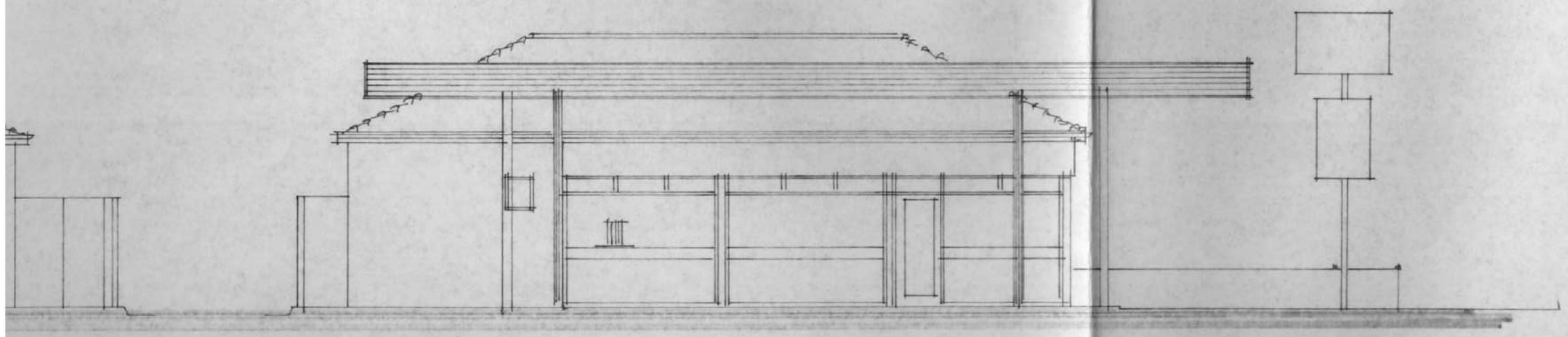
Scale 1·100

Date Jan 87 **Drawn** GH.

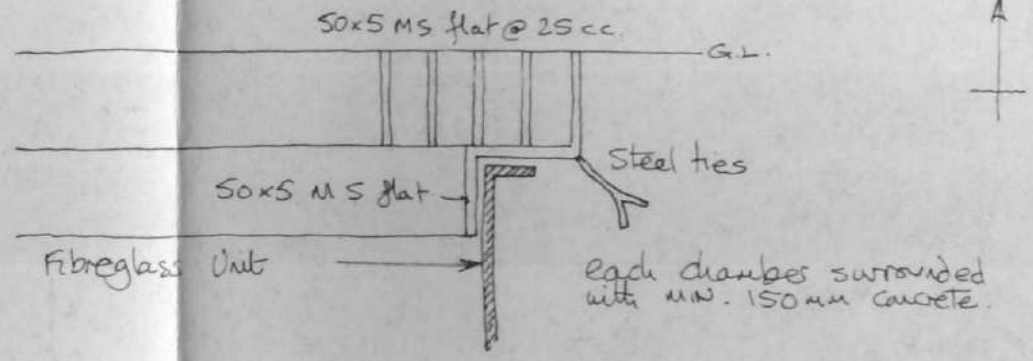
Drg.No. 686·1

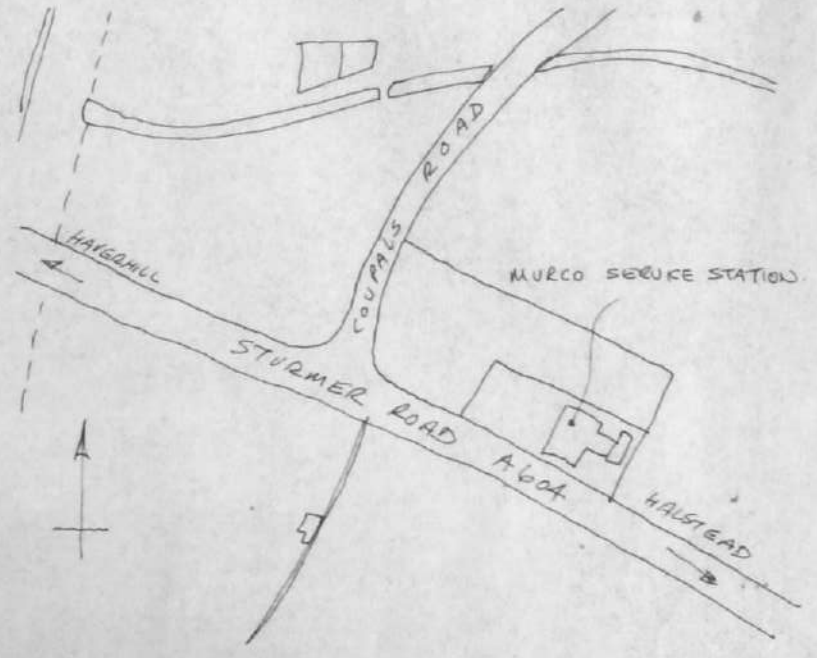
Rev. ~~A~~ ~~B~~ ~~C~~ ~~D~~ E

1642-384T



NORTH WEST ELEVATION

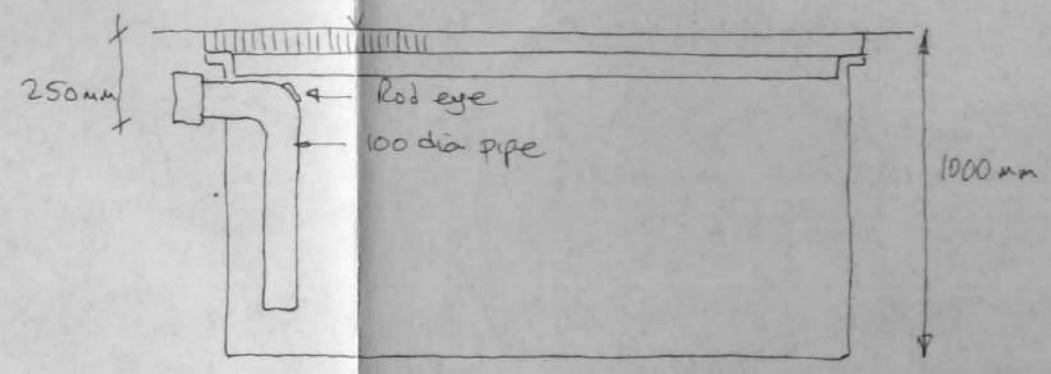




NOTES:

All dimensions must be checked on site and not scaled from this drawing.

3 section heavy duty grating located on 60x60 M.S. frame Grd to BS729.

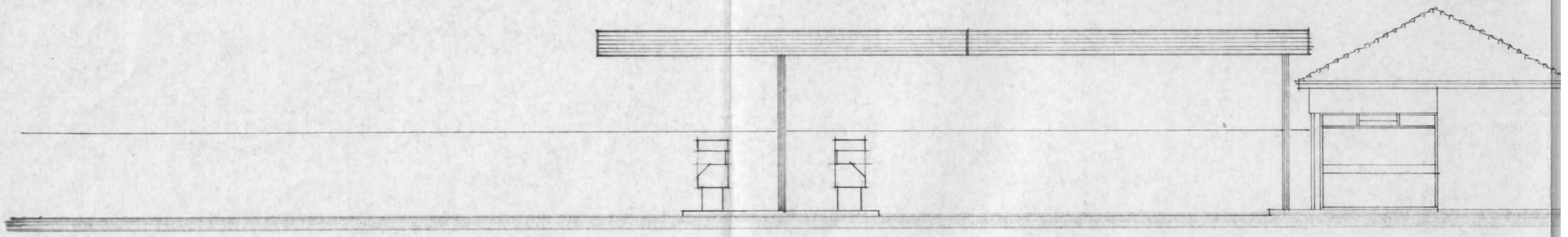


DETAILS OF JETWASH SILT TRAP

To be read in conjunction with Drawing 1676/3/3 B

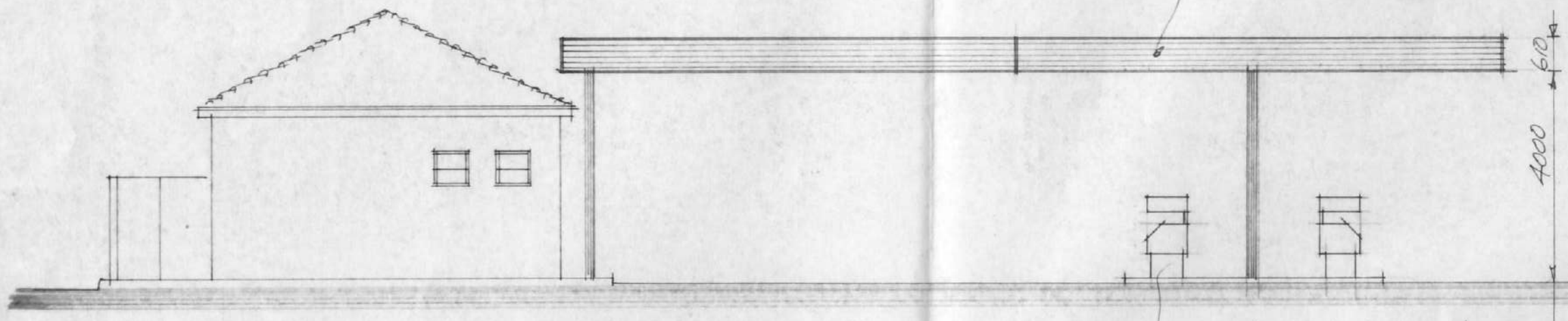
esigned by Condover Ltd
ours.

E	SEPT.10.92	SILT TRAP ADDED TO CAR WASH BAY
D	JULY.13.92	VAPOUR BALANCING ADDED
C	JULY14.87	FORECOURT JOINTS ADDED / DUCTS AMENDED
B	JUN25.87	FW/DUCTS/PIPEWORK/ISLANDS/TANKS/LIGHTS/FACILITIES
A	MAR 87	CANOPY AMENDED SW DRAINS + BASES ADDED
	Date	Revisions



SOUTH WEST ELEVATION

Canopy fascia painted
60% red 30% blue 10% white.



see plan for pump location

NORTH EAST ELEVATION

NOTE :-
Prior to commencement of excavation works locate existing suction lines and vent lines to avoid damage

E

New jet wash silt trap unit set in concrete surround - connect to existing drain system
break out whole of concrete bay reform with falls of 50 mm from each corner to silt trap
200 mm thick concrete mesh reinforced
make good to joints where disturbed

stanchion bases as d
see Condes calculat

excavate concrete forecourt lay in 75mm(3") vapour balancing pipework to comply with HSG41 to new tanks hose connection chambers. Make good to forecourt. Final layout to suit existing suction line locations

tapt existing vent pipes to suit vapour balancing valves c.

EXISTING JET CAR WASH

100 dia 1m

new access chamber over existing drain run

17000

4275

816 816

1000

P1 D

R Eye

2000 x 1500 x 600 STANCHION BASES.

P2

100 x 600

2 x 100 ϕ

line of canopy over

P3

3630

2670

P4 D

R Eye

4275

9500

100 ϕ

300x300

100 ϕ

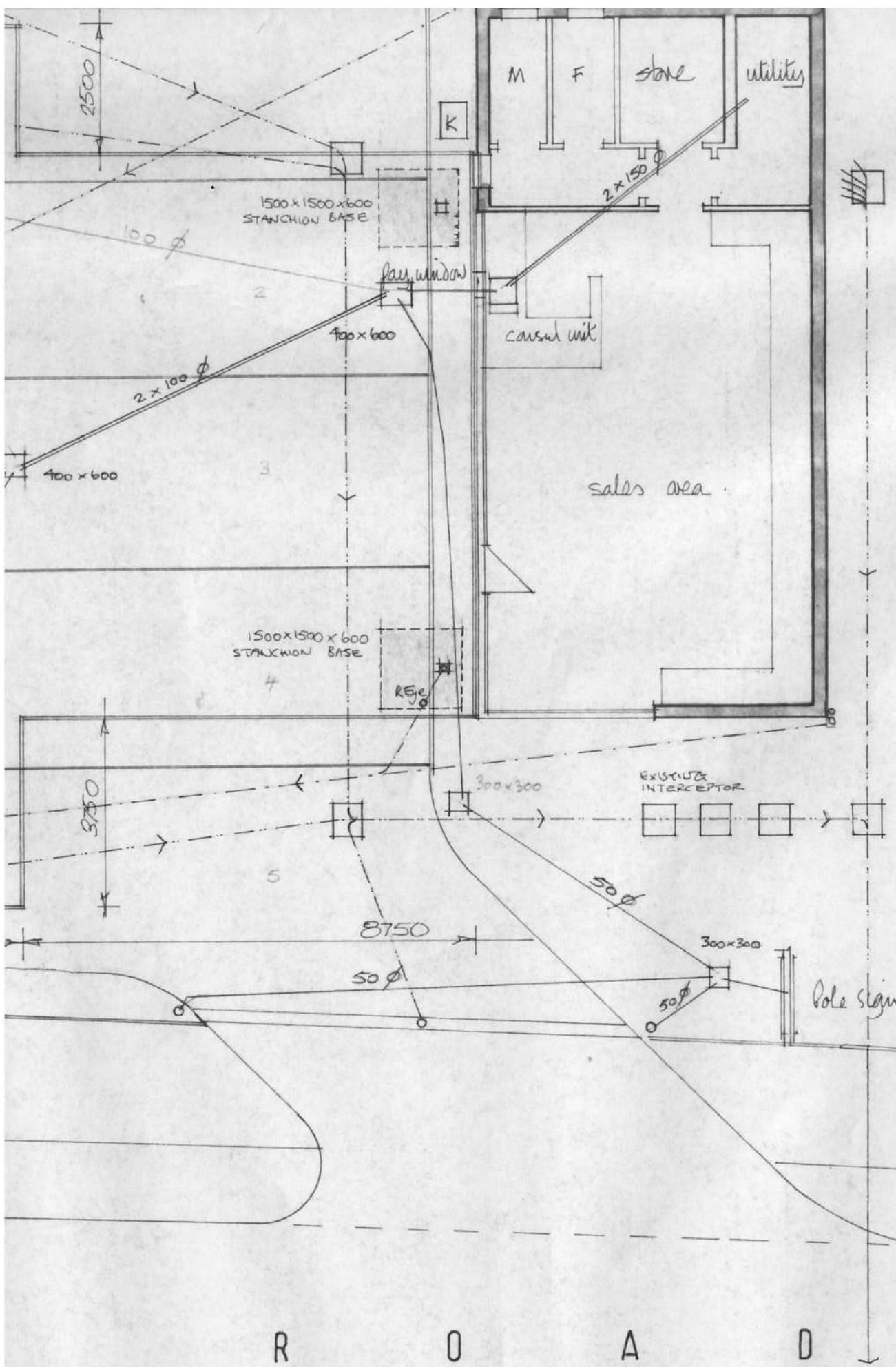
pole sign

300x300

50 ϕ

50 ϕ

S T U R M E R



Leslie E Halton RIBA
Architect and Design Consultant

12 Shires Way Yateley Camberley
Surrey GU17 7SX tel 0252 875015

Client

Murco Petroleum ltd

Job Title

SILT TRAP INSTALLATION TO JETWASH

Murco Service Station
Sturmer Road, Haverhill.

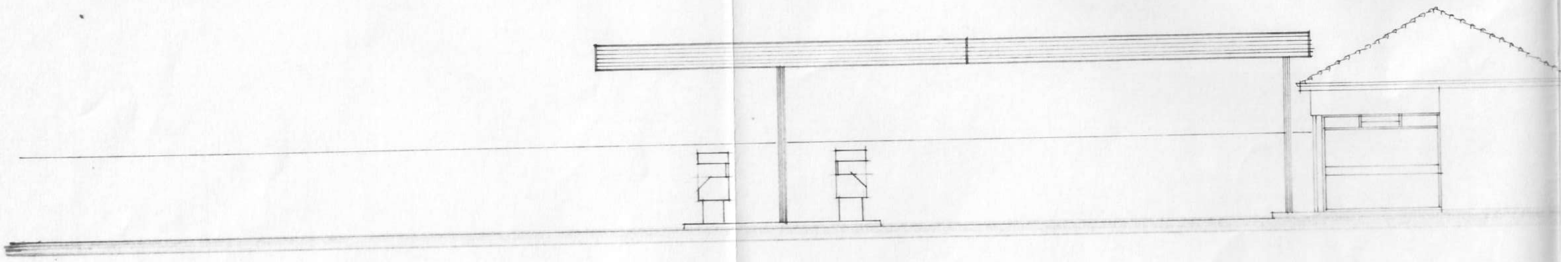
general layout

Scale 1·100

Date Jan 87 **Drawn** GH.

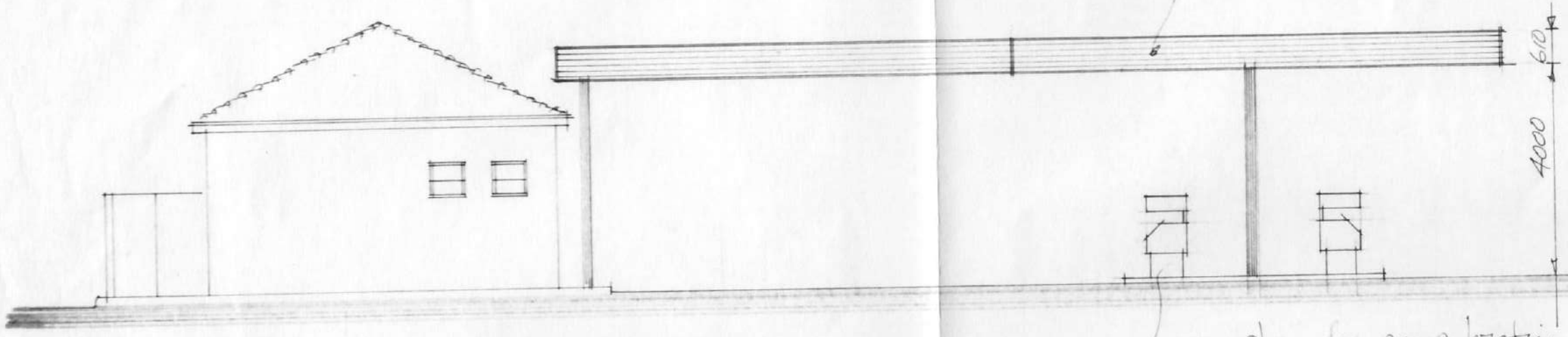
Drg.No. 686·1

Rev. ~~A~~ ~~B~~ ~~C~~ ~~D~~ E



SOUTH WEST ELEVATION

Canopy fascia painted
60% red 30% blue 10% white.

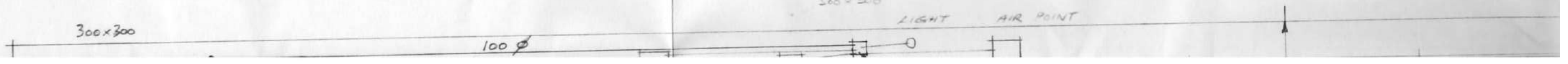


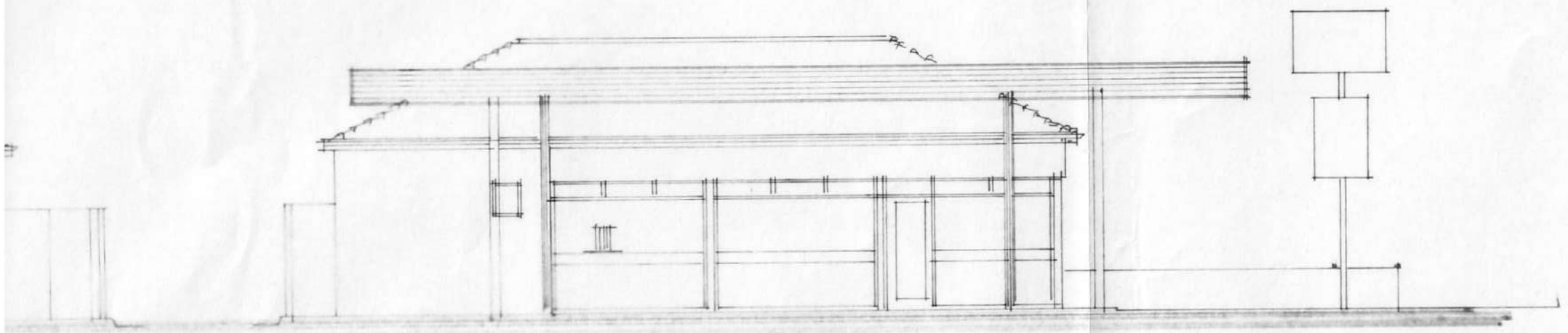
see plan for pump location

NORTH EAST ELEVATION

Note :-
Prior to commencement of excavation works locate existing suction lines and vent lines to avoid damage

stanchion bases as
see Condes calcula





NORTH WEST ELEVATION

esigned by Condeer Ltd
ours.

NOTES:

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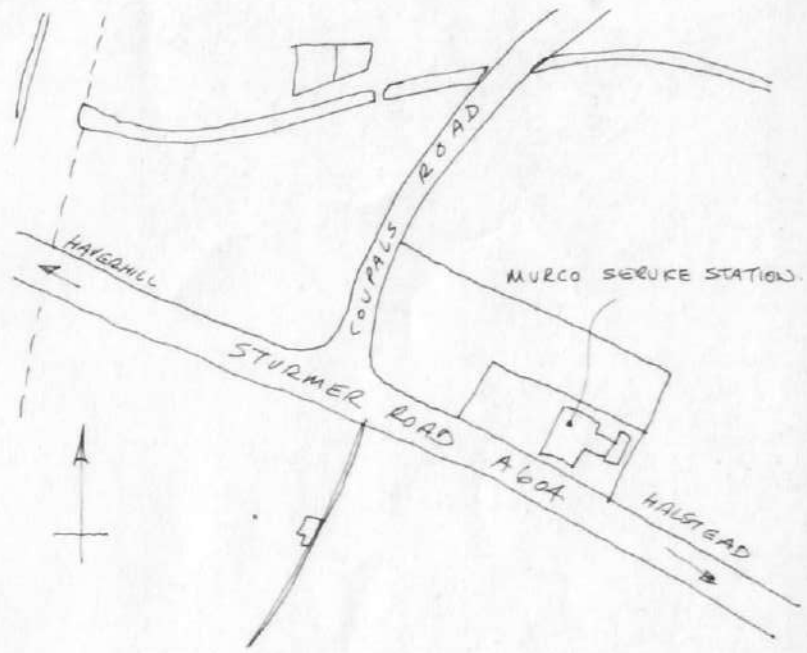


To be read in conjunction with Drawing 1676/3/3 B

D	JULY.13.92	VALVE BALANCING ADDED
C	JULY14.87	FREEBOARD JOINTS ADDED / DUCTS AMENDED
B	JUN15.87	FW DUCTS / PIPEWORK / ISLANDS / VALVES / LIGHTS / FACILITIES
A	MAR 87	CANOPY AMENDED SW DRAINS + BASES ADDED
	Date	Revisions

CAR WASH

VAC. UNIT

excavate concrete forecourt by in 75mm (3") vapour balancing pipework to comply with HSG41 to new tanks via connection chambers. Make good to forecourt. Final layout to suit existing suction line locations

dapt existing vent pipes to it vapour balancing valves

100 ø

17000

4275

816 816

1000

P1 D

Reye

2000 x 1500 x 600 STANCHION BASES

100 ø

P2

100 x 600

2 x 100 ø

line of canopy over

100 ø

P3

3630

2670

100 ø

100 ø

100 ø

P4 D

Reye

4275

9500

100 ø

300x300

100 ø

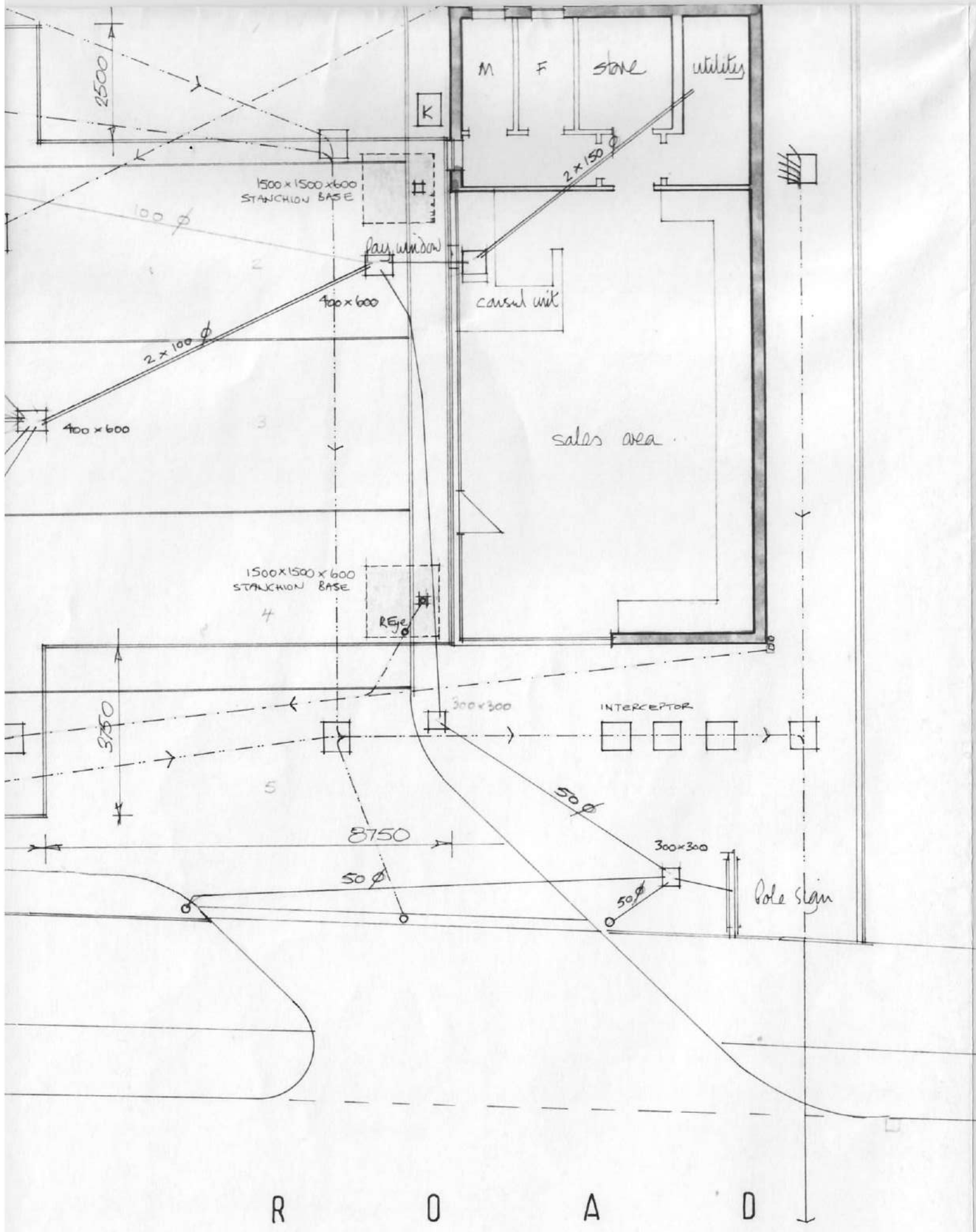
Pole sign

300x300

50 ø

50 ø

S T U R M E R



Leslie E Halton RIBA
Architect and Design Consultant

12 Shires Way Yateley Camberley
Surrey GU17 7SX tel 0252 875015

Client

Murco Petroleum ltd

Job Title

VAPOUR BALANCE

Murco Service Station
Sturmer Road, Haverhill.

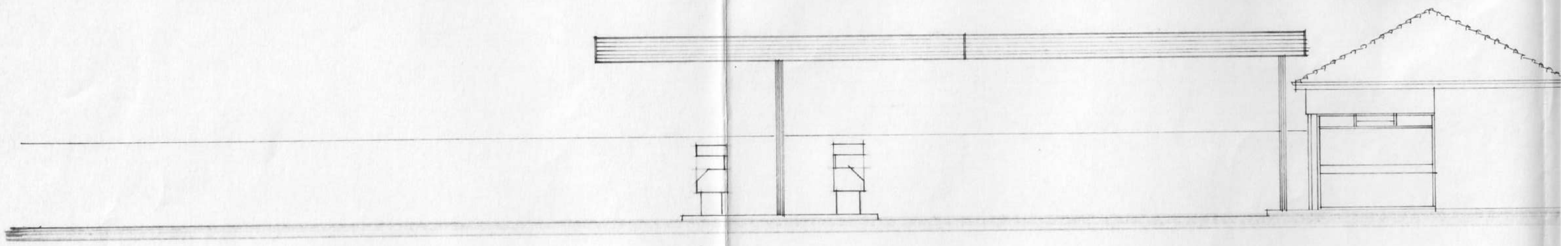
general layout

Scale 1·100

Date Jan 87 **Drawn** LH.

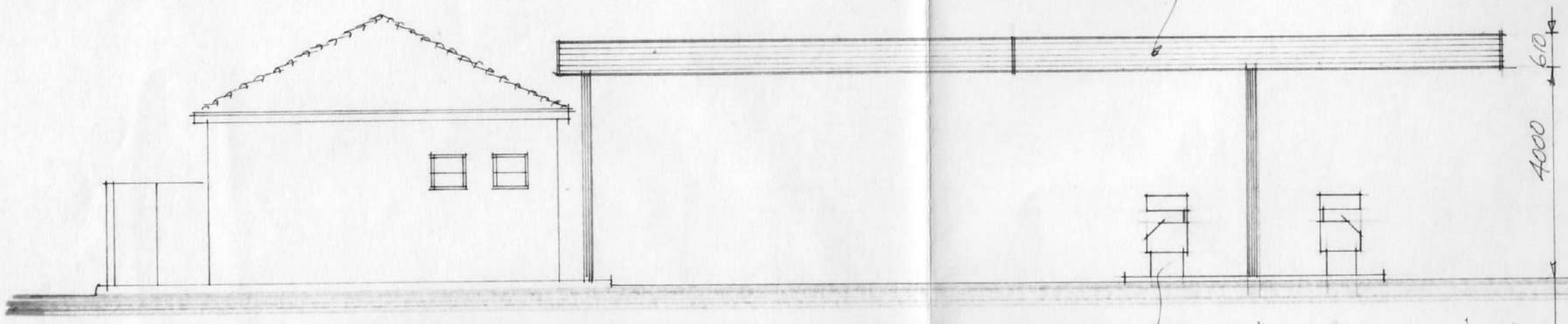
Drg.No. 686·1

Rev. A B C D



SOUTHWEST ELEVATION

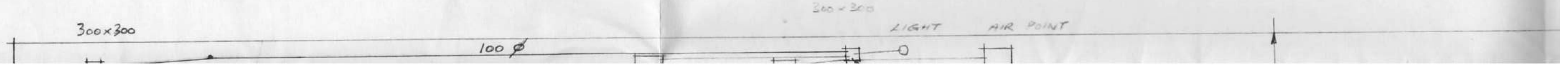
Canopy fascia painted
60% red 30% blue 10% white.

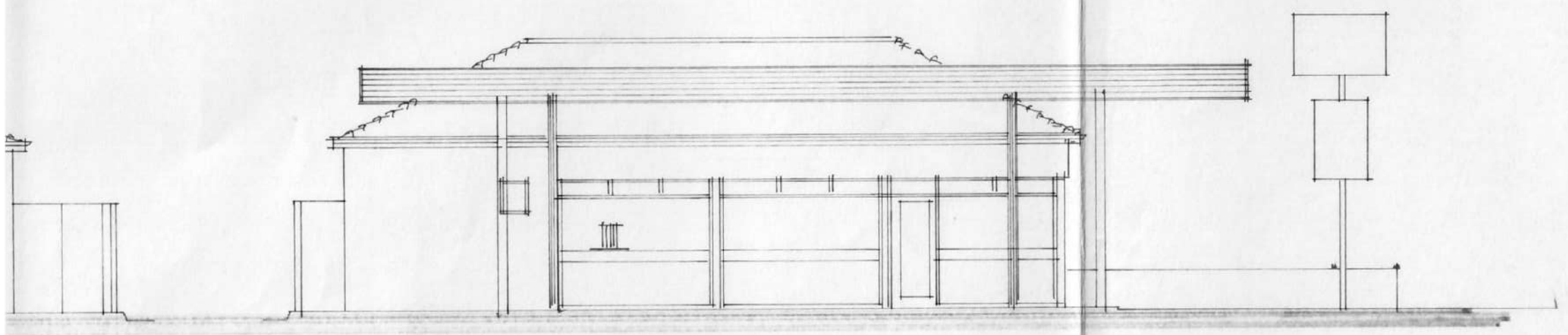


NORTH EAST ELEVATION

NOTE :-
Prior to commencement of excavation works locate existing suction lines and vent lines to avoid damage

stanchion bases as
see Condes calculat

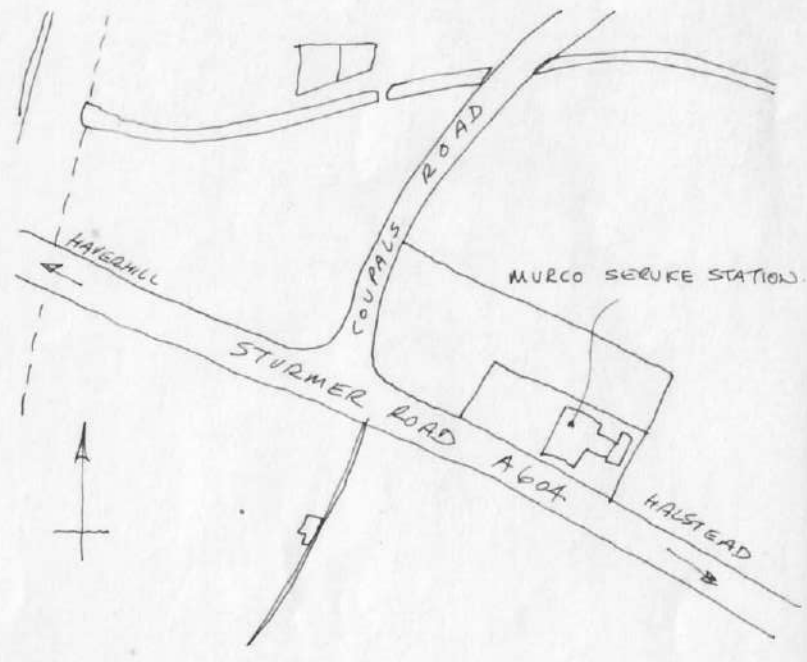




NORTH WEST ELEVATION

NOTES:

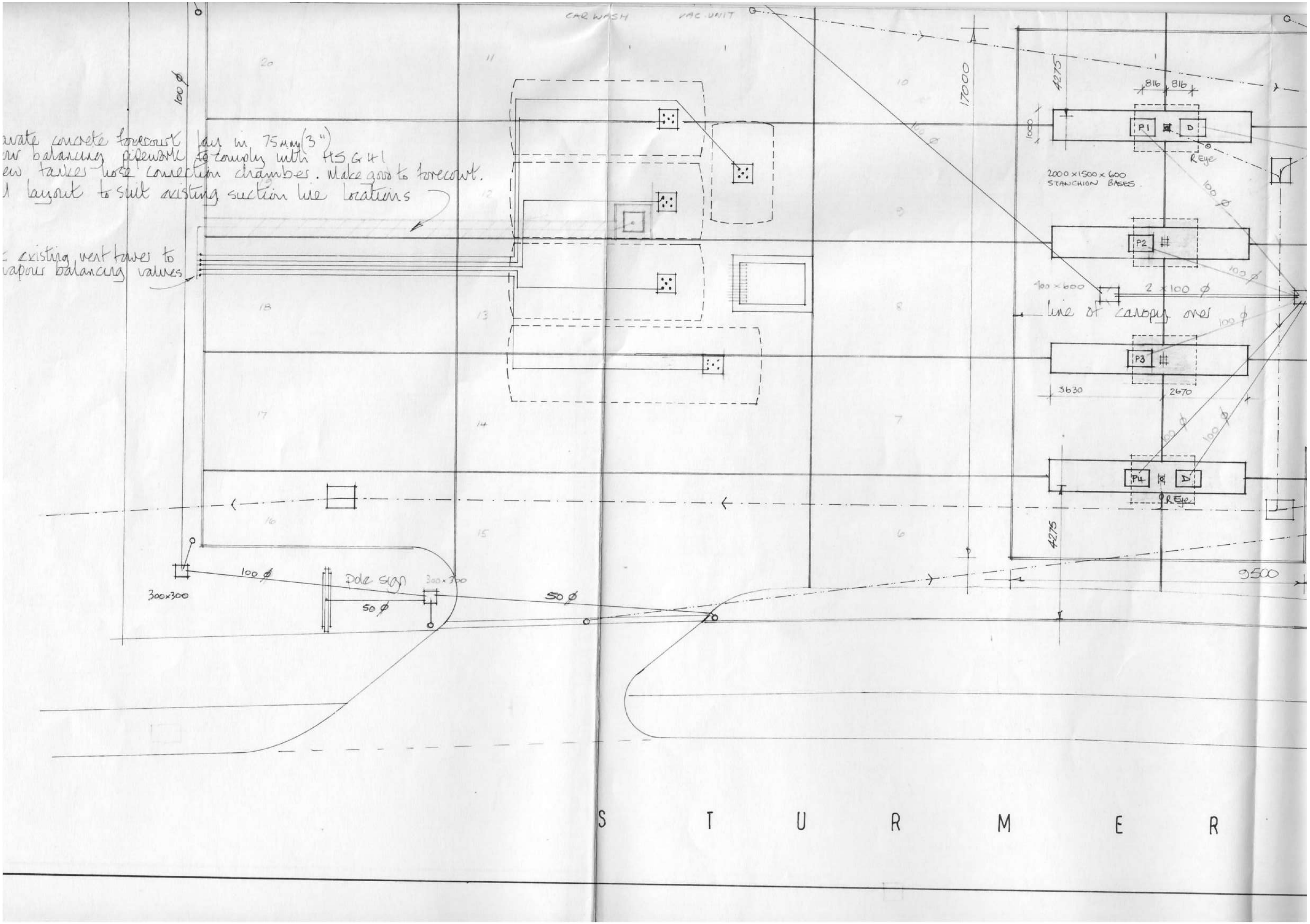
All dimensions must be checked on site and not scaled from this drawing.



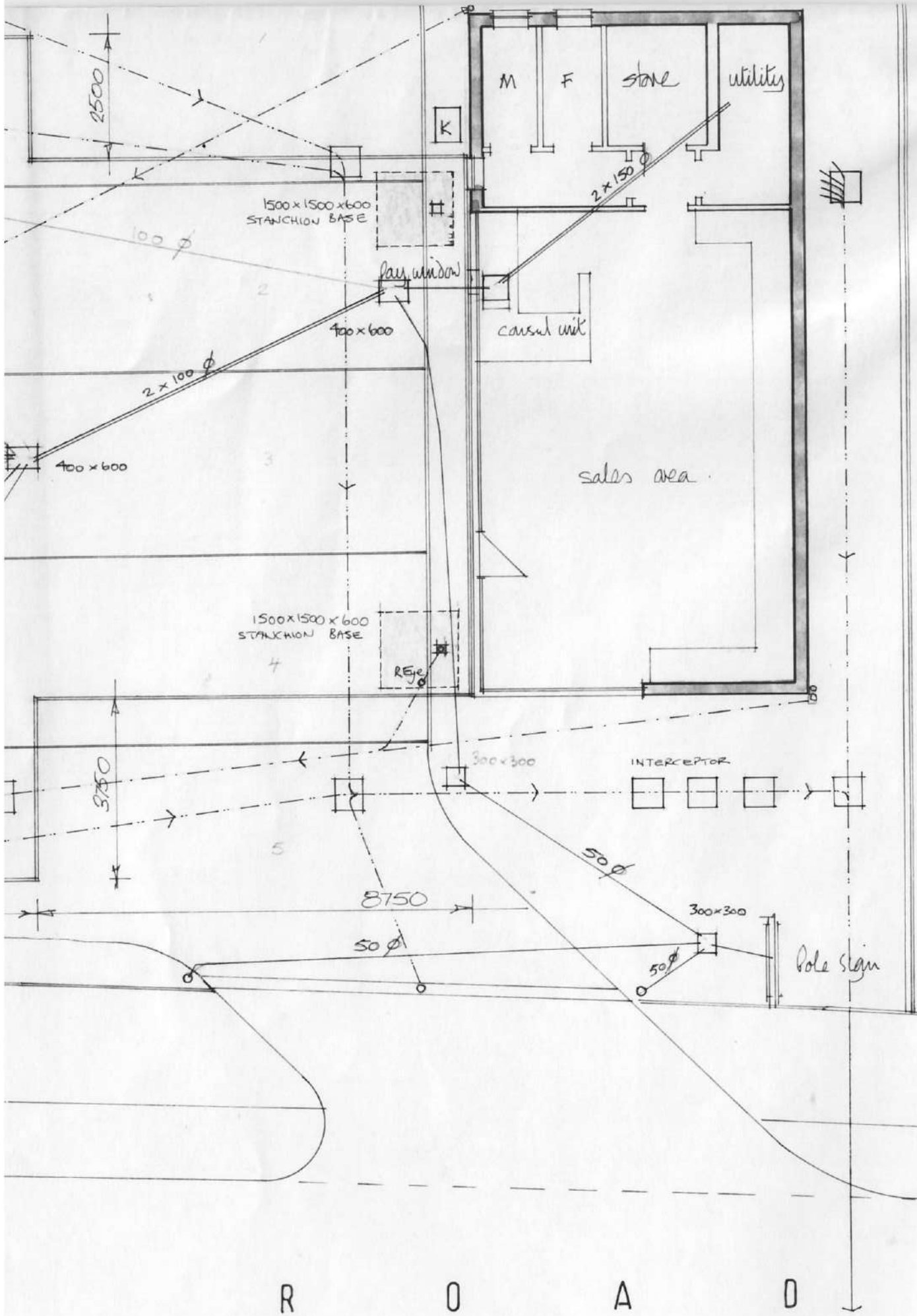
to be read in conjunction with Drawing 1676/3/3 B

tesigned by Condor Ltd
ions.

D	JULY.13.92	VAPOUR BALANCING ADDED.
C	JULY 14.87	FORECOURT JOINTS ADDED / DUCTS AMENDED
B	JUN 25.87	FW/DUCTS/PIPEWORK/ISLANDS/TANKS/LIGHTS/FACILITIES
A	MAR 87	CANOPY AMENDED SW DRAINS + BASES ADDED.
	Date	Revisions



CAR WASH
VAC UNIT
...arate concrete forecourt lay in 75mm (3")
...our balancing pipework to comply with HSG 41
...ew tanks hose connection chambers. Make good to forecourt.
...d layout to suit existing suction line locations
... existing vent towers to
...vapour balancing valves
100 ø
17000
4275
816
816
1000
P1
D
R Eye
2000 x 1500 x 600
STANCHION BASES
P2
P3
P4
100 x 600
2 x 100 ø
line of canopy over
3630
2670
9500
300x300
300 x 300
100 ø
Pole sign
50 ø
S T U R M E R



Leslie E Halton RIBA
Architect and Design Consultant

12 Shires Way Yateley Camberley
Surrey GU17 7SX tel 0252 875015

Client

Murco Petroleum ltd

Job Title

VAPOUR BALANCE

Murco Service Station
Sturmer Road, Haverhill.

general layout

Scale 1·100

Date Jan 87 **Drawn** GH.

Drg.No. 686·1

Rev. A B C D

1642-384T

985408

13 JUN 1995
T. STANDARDS

PETROLEUM SPIRIT LICENCE

Murco Petroleum Ltd
Marketing Dept., Winston House,
Dollis Park, London N3 lHZ

B.200.29.6

12 June 1995

PETROLEUM SPIRIT LICENCE

IMPORTANT

This licence is an important document that must be kept available for inspection at the licensed premises. The storage of petroleum spirit without a current licence is a criminal offence.

SUFFOLK COUNTY COUNCIL as the Licensing Authority under the provisions of the Petroleum (Regulations) Acts 1928 & 1936 and the Health & Safety at Work Act 1974:

HEREBY LICENCE : *THE ABOVE*

TO KEEP : *88194 litres of petroleum spirit/petroleum mixtures*

AT THE LICENSED PREMISES : *Murco Service Station*
Sturmer Road, Haverhill,

IN THE FOLLOWING MANNER : *underground storage tanks*

FOR THE PERIOD TO : *30/06/96*

This licence is granted subject to the conditions contained in parts A,B,C & H of SUFFOLK COUNTY COUNCIL'S PETROLEUM LICENCE CONDITIONS.

SPECIAL CONDITIONS:

COUNTY TRADING STANDARDS OFFICER
See Over

Appendix F Geo and Enviro Insight Report

Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

unspecified

Order Details

Date: 08/11/2023

Your ref: EMS_905787_1121892

Our Ref: EMS-905787_1155595

Site Details

Location: 568137 244726

Area: 0.21 ha

Authority: West Suffolk ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	3	41	70	-
20 >	1.2 >	Historical tanks >	0	1	25	25	-
22 >	1.3 >	Historical energy features >	0	0	5	16	-
23 >	1.4 >	Historical petrol stations >	1	0	0	0	-
23 >	1.5 >	Historical garages >	0	0	0	2	-
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 >	0	3	61	89	-
31 >	2.2 >	Historical tanks >	0	1	38	30	-
34 >	2.3 >	Historical energy features >	0	0	11	25	-
35 >	2.4 >	Historical petrol stations >	1	0	0	0	-
36 >	2.5 >	Historical garages >	0	0	0	3	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
37	3.1	Active or recent landfill	0	0	0	0	-
37 >	3.2 >	Historical landfill (BGS records) >	0	0	0	2	-
38	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
38 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	4	-
39 >	3.5 >	Historical waste sites >	0	0	2	0	-
40 >	3.6 >	Licensed waste sites >	0	0	8	0	-
42 >	3.7 >	Waste exemptions >	0	0	5	18	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	4.1 >	Recent industrial land uses >	3	2	29	-	-
48 >	4.2 >	Current or recent petrol stations >	1	0	0	1	-
48	4.3	Electricity cables	0	0	0	0	-
48	4.4	Gas pipelines	0	0	0	0	-
49	4.5	Sites determined as Contaminated Land	0	0	0	0	-

49 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	2	-
49	4.7	Regulated explosive sites	0	0	0	0	-
49	4.8	Hazardous substance storage/usage	0	0	0	0	-
50	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
50	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
50 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	1	0	0	7	-
51	4.12	Radioactive Substance Authorisations	0	0	0	0	-
52 >	4.13 >	Licensed Discharges to controlled waters >	0	1	71	6	-
64	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
64 >	4.15 >	Pollutant release to public sewer >	0	0	0	1	-
64 >	4.16 >	List 1 Dangerous Substances >	0	2	2	0	-
65 >	4.17 >	List 2 Dangerous Substances >	0	1	1	4	-
65 >	4.18 >	Pollution Incidents (EA/NRW) >	0	1	12	6	-
67	4.19	Pollution inventory substances	0	0	0	0	-
68	4.20	Pollution inventory waste transfers	0	0	0	0	-
68	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
69 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
71 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
73 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
74 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
74	5.5	Groundwater vulnerability- local information	None (within 0m)				
75 >	5.6 >	Groundwater abstractions >	0	0	0	0	38
84	5.7	Surface water abstractions	0	0	0	0	0
84	5.8	Potable abstractions	0	0	0	0	0
84 >	5.9 >	Source Protection Zones >	1	0	0	1	-
84	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	6.1 >	Water Network (OS MasterMap) >	0	0	9	-	-

86 >	6.2 >	Surface water features >	0	0	3	-	-
87 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
87 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
87 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding >**	On site	0-50m	50-250m	250-500m	500-2000m
89	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
90 >	7.2 >	Historical Flood Events >	1	0	1	-	-
90	7.3	Flood Defences	0	0	0	-	-
90	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
91	7.5	Flood Storage Areas	0	0	0	-	-
92 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
93	7.7	Flood Zone 3	None (within 50m)				
Page	Section	**Surface water flooding >**					
94 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	**Groundwater flooding >**					
96 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	**Environmental designations >**	On site	0-50m	50-250m	250-500m	500-2000m
97	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
98	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
98	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
98	10.4	Special Protection Areas (SPA)	0	0	0	0	0
98	10.5	National Nature Reserves (NNR)	0	0	0	0	0
99 >	10.6 >	Local Nature Reserves (LNR) >	0	0	3	1	3
99 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	3
100	10.8	Biosphere Reserves	0	0	0	0	0
100	10.9	Forest Parks	0	0	0	0	0
100	10.10	Marine Conservation Zones	0	0	0	0	0
100	10.11	Green Belt	0	0	0	0	0
100	10.12	Proposed Ramsar sites	0	0	0	0	0

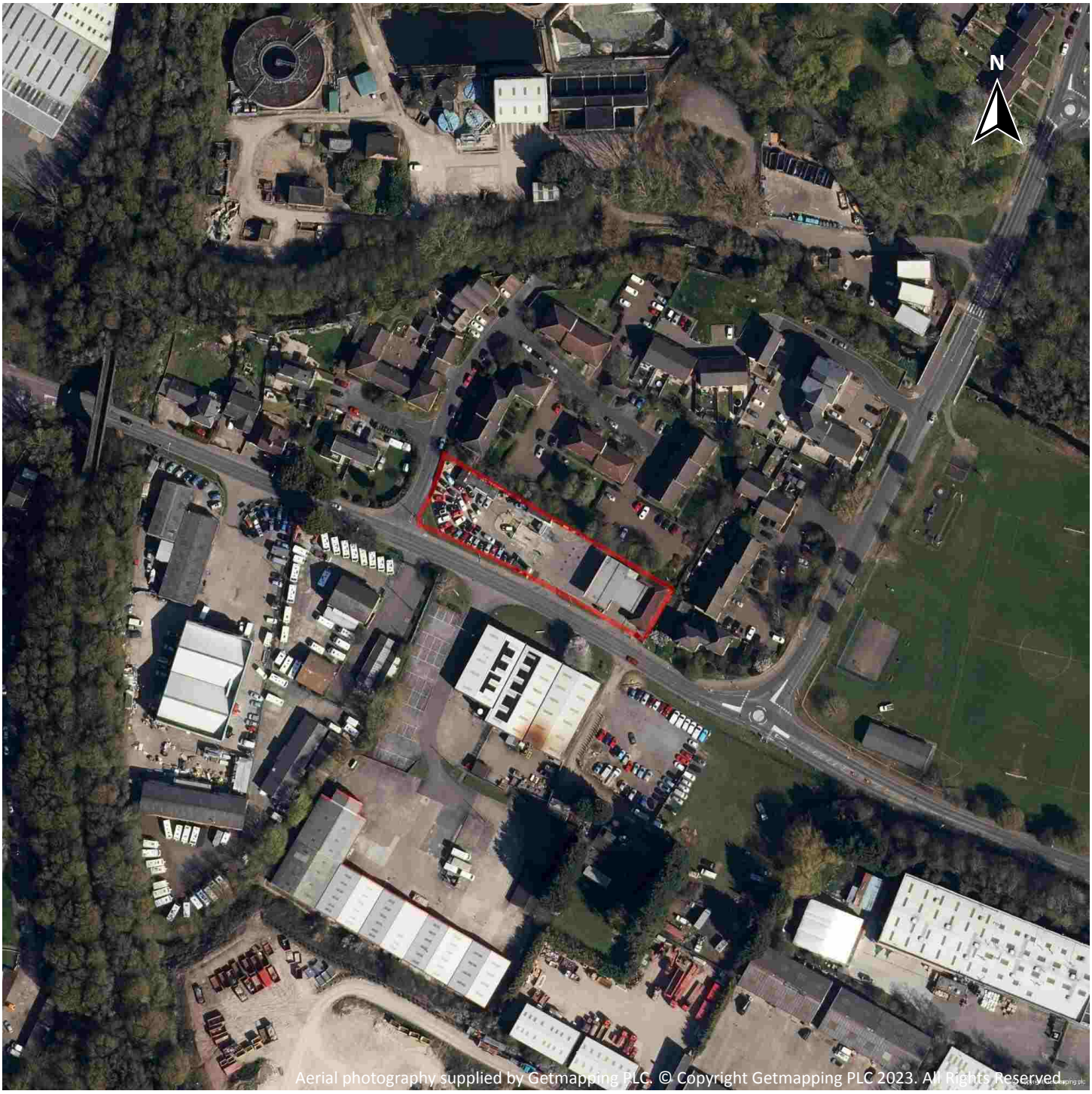
101	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
101	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
101	10.15	Nitrate Sensitive Areas	0	0	0	0	0
101 >	10.16 >	Nitrate Vulnerable Zones >	2	0	0	0	2
103 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
104	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
105	11.1	World Heritage Sites	0	0	0	-	-
106	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
106	11.3	National Parks	0	0	0	-	-
106 >	11.4 >	Listed Buildings >	0	0	3	-	-
107 >	11.5 >	Conservation Areas >	0	0	1	-	-
107	11.6	Scheduled Ancient Monuments	0	0	0	-	-
107	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	12.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
109	12.2	Open Access Land	0	0	0	-	-
109	12.3	Tree Felling Licences	0	0	0	-	-
109	12.4	Environmental Stewardship Schemes	0	0	0	-	-
110	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	13.1 >	Priority Habitat Inventory >	0	0	12	-	-
112	13.2	Habitat Networks	0	0	0	-	-
112	13.3	Open Mosaic Habitat	0	0	0	-	-
112	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	3	0	-
116 >	14.3 >	Superficial geology (10k) >	1	2	1	4	-

117	14.4	Landslip (10k)	0	0	0	0	-
118 >	14.5 >	Bedrock geology (10k) >	1	0	1	0	-
119	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	15.1 >	50k Availability >	Identified (within 500m)				
121	15.2	Artificial and made ground (50k)	0	0	0	0	-
121	15.3	Artificial ground permeability (50k)	0	0	-	-	-
122 >	15.4 >	Superficial geology (50k) >	1	2	1	0	-
123 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
123	15.6	Landslip (50k)	0	0	0	0	-
123	15.7	Landslip permeability (50k)	None (within 50m)				
124 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
125 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
125	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
126	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
127 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
128 >	17.2 >	Running sands >	Low (within 50m)				
130 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
132 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
133 >	17.5 >	Landslides >	Very low (within 50m)				
134 >	17.6 >	Ground dissolution of soluble rocks >	Low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
136 >	18.1 >	BritPits >	0	0	0	6	-
138 >	18.2 >	Surface ground workings >	0	2	48	-	-
140	18.3	Underground workings	0	0	0	0	0
140	18.4	Underground mining extents	0	0	0	0	-
140	18.5	Historical Mineral Planning Areas	0	0	0	0	-

140 >	18.6 >	Non-coal mining >	1	0	2	0	0
141	18.7	JPB mining areas	None (within 0m)				
141	18.8	The Coal Authority non-coal mining	0	0	0	0	-
141	18.9	Researched mining	0	0	0	0	-
142	18.10	Mining record office plans	0	0	0	0	-
142	18.11	BGS mine plans	0	0	0	0	-
142	18.12	Coal mining	None (within 0m)				
142	18.13	Brine areas	None (within 0m)				
142	18.14	Gypsum areas	None (within 0m)				
143	18.15	Tin mining	None (within 0m)				
143	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
144	19.1	Natural cavities	0	0	0	0	-
144	19.2	Mining cavities	0	0	0	0	0
144	19.3	Reported recent incidents	0	0	0	0	-
144	19.4	Historical incidents	0	0	0	0	-
145	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
146 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
148 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	2	-	-	-
148	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
148	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
149	22.1	Underground railways (London)	0	0	0	-	-
149	22.2	Underground railways (Non-London)	0	0	0	-	-
150	22.3	Railway tunnels	0	0	0	-	-
150 >	22.4 >	Historical railway and tunnel features >	0	0	4	-	-
150	22.5	Royal Mail tunnels	0	0	0	-	-

151 >	22.6 >	Historical railways >	0	0	8	-	-
151	22.7	Railways	0	0	0	-	-
151	22.8	Crossrail 1	0	0	0	0	-
152	22.9	Crossrail 2	0	0	0	0	-
152	22.10	HS2	0	0	0	0	-

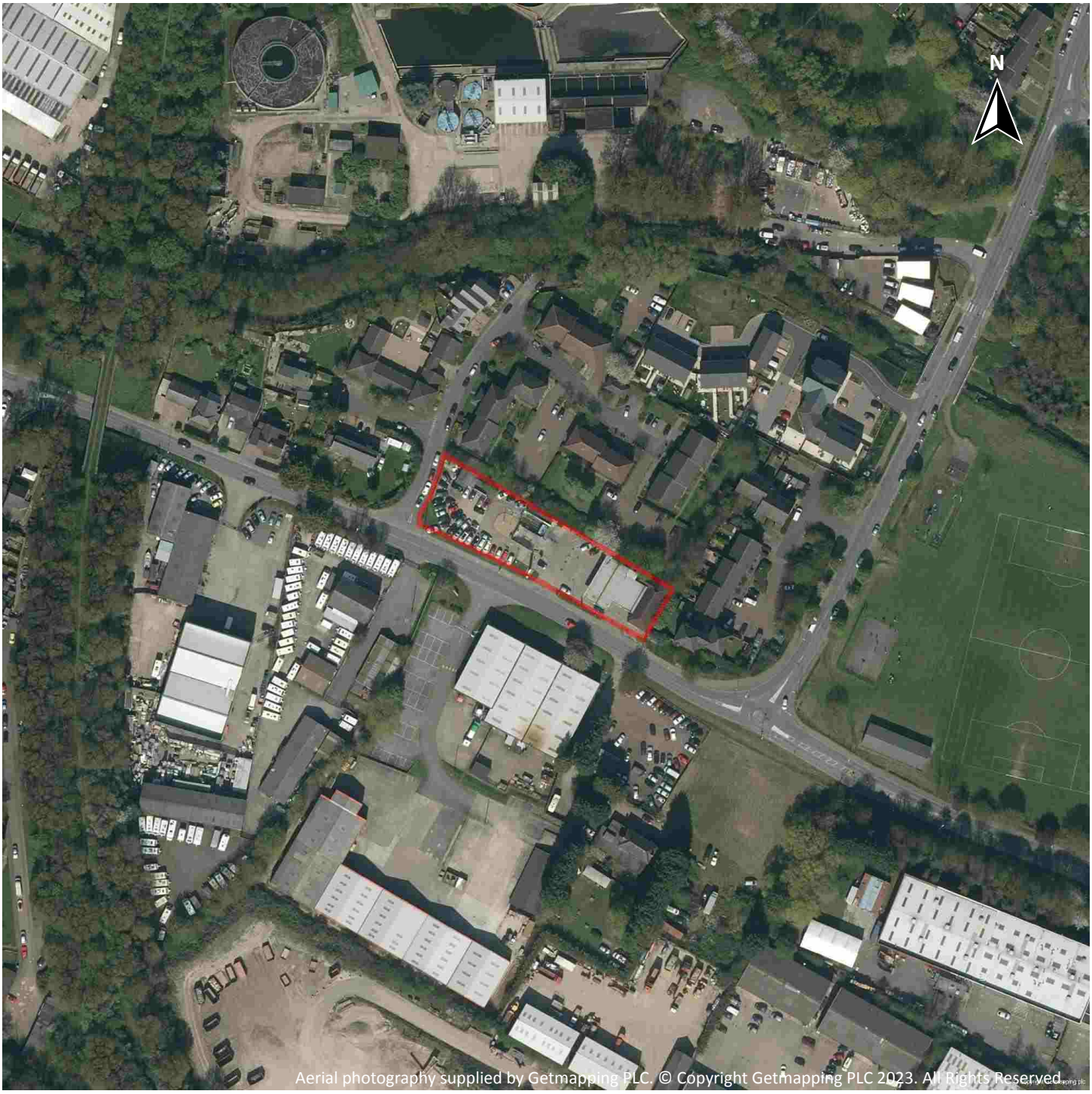
Recent aerial photograph



Capture Date: 05/04/2020

Site Area: 0.21ha

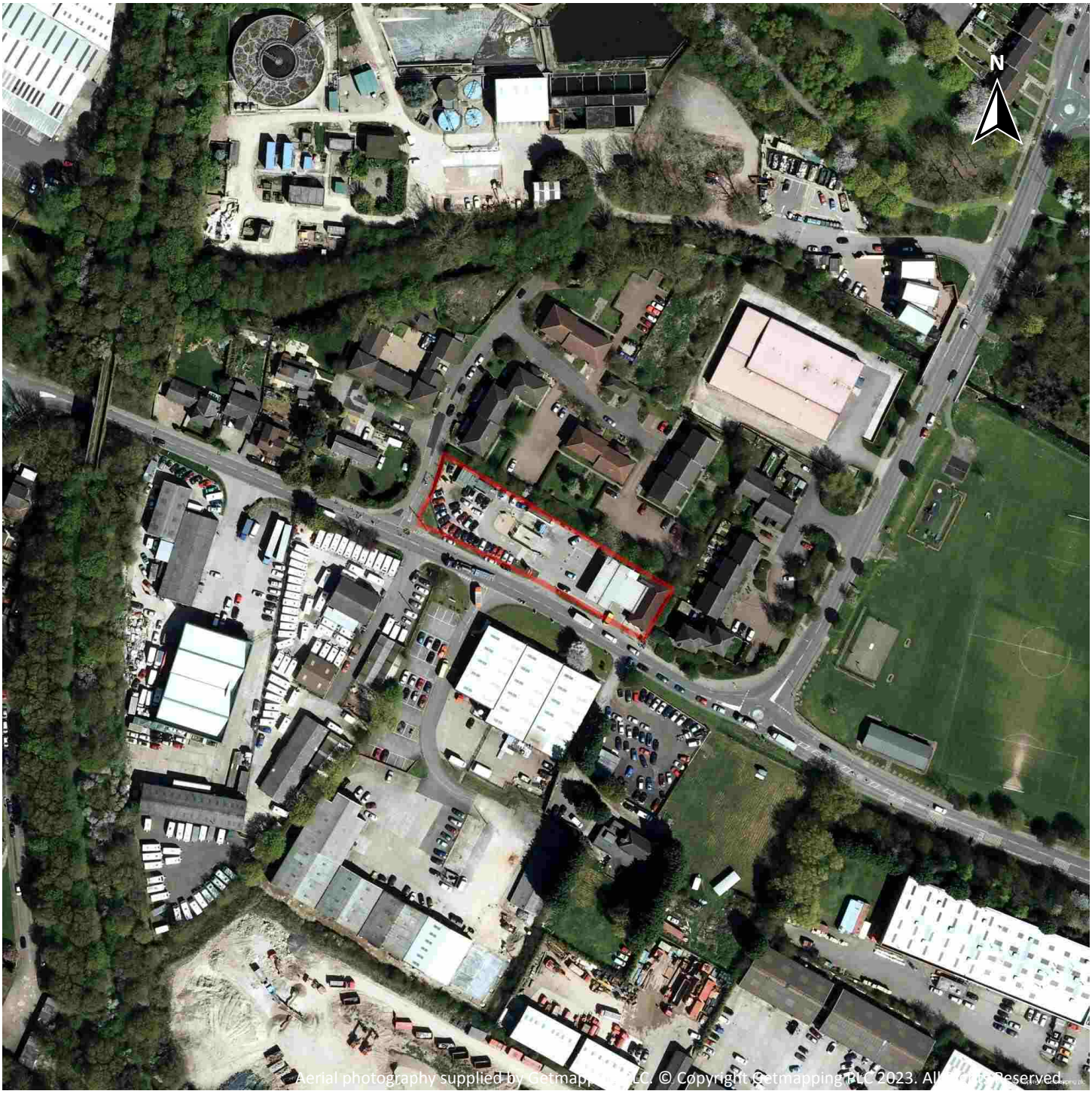
Recent site history - 2017 aerial photograph



Capture Date: 09/04/2017

Site Area: 0.21ha

Recent site history - 2013 aerial photograph



Capture Date: 02/05/2013

Site Area: 0.21ha

Recent site history - 2007 aerial photograph

Capture Date: 23/05/2007

Site Area: 0.21ha

Recent site history - 1999 aerial photograph

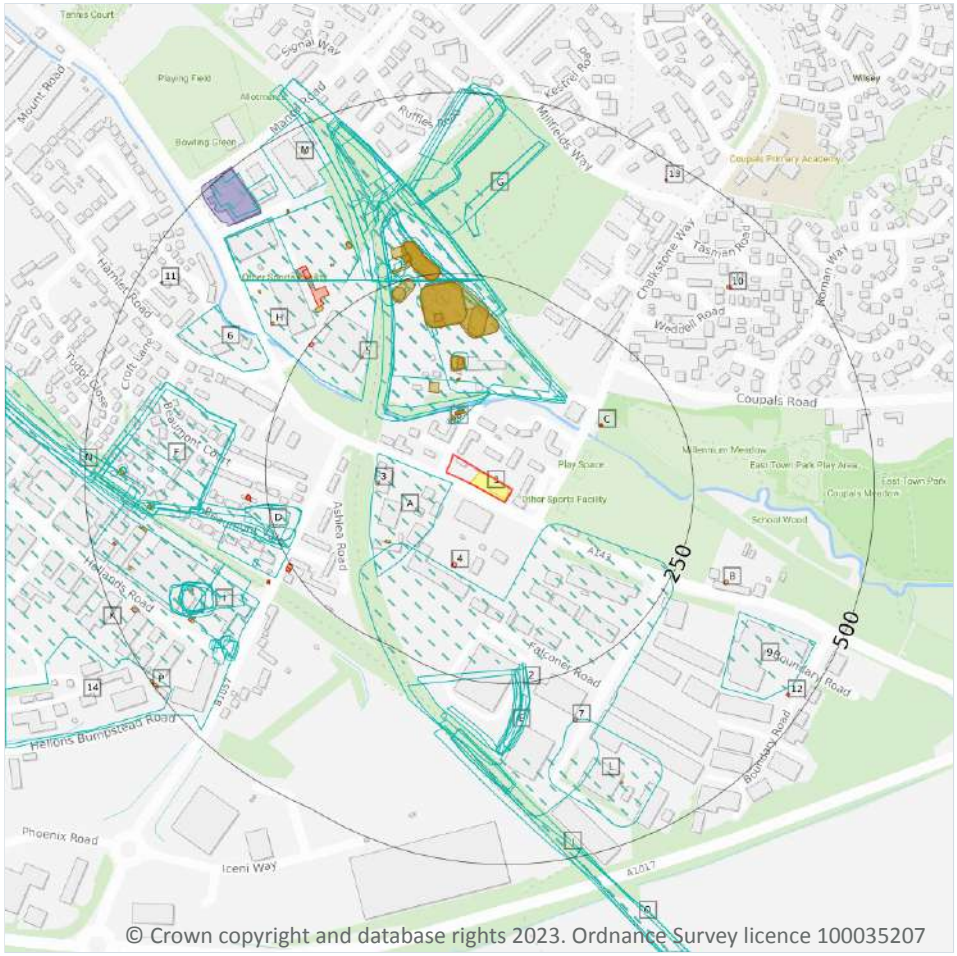
Capture Date: 05/05/1999

Site Area: 0.21ha

OS MasterMap site plan

Site Area: 0.21ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical petrol stations

Historical garages

1.1 Historical industrial land uses

Records within 500m	114

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 15 >**

ID	Location	Land use	Dates present	Group ID
A	10m W	Unspecified Works	1981	2095828

ID	Location	Land use	Dates present	Group ID
B	43m NW	Sewage Tank	1924	2049045
B	43m N	Sewage Farm	1905 - 1946	2117380
B	60m N	Sewage Tank	1905	2049046
B	61m NW	Sewage Farm	1896	2098527
2	65m SE	Unspecified Works	1981	2108420
B	65m NW	Sewage Farm	1949	2109179
B	74m NW	Unspecified Commercial/Industrial	1981	2058378
B	102m N	Sewage Farm	1899	2076139
B	119m N	Unspecified Tanks	1981	2055030
B	145m NW	Unspecified Factories	1981	2062845
B	164m N	Sewage Tanks	1924	2045245
B	168m N	Unspecified Tanks	1981	2055031
B	178m N	Unspecified Tanks	1981	2096793
B	180m N	Sewage Tanks	1905	2045244
B	196m N	Cuttings	1877 - 1971	2087726
B	198m N	Cuttings	1899	2091295
B	200m N	Cuttings	1938	2115003
B	205m N	Unspecified Tanks	1970	2116476
D	206m W	Unspecified Pit	1905 - 1946	2081388
B	207m N	Unspecified Tanks	1970	2100463
B	207m N	Cuttings	1970	2113023
D	208m W	Unspecified Pit	1949	2086863
B	222m NW	Unspecified Tanks	1946	2097716
D	223m W	Unspecified Pit	1970	2113940
D	223m W	Clay Pit	1896 - 1899	2067939
E	223m S	Unspecified Ground Workings	1938 - 1946	2089555
E	225m S	Unspecified Ground Workings	1949	2116595
B	226m NW	Unspecified Tanks	1938 - 1949	2096597

ID	Location	Land use	Dates present	Group ID
E	231m S	Old Clay Pit	1896 - 1899	2087523
E	233m S	Unspecified Ground Workings	1970	2120037
E	238m S	Unspecified Pit	1924	2041417
B	239m N	Cuttings	1959	2099760
B	239m N	Railway Sidings	1959	2121560
B	240m N	Sewage Works	1991	2073181
B	240m N	Sewage Works	1979	2103841
B	240m N	Railway Sidings	1967	2081347
B	240m N	Railway Sidings	1971	2082730
B	240m N	Unspecified Works	1967	2100004
B	240m N	Unspecified Works	1971	2112167
D	240m W	Brick Field	1877	2063583
B	247m N	Unspecified Tanks	1979	2099765
B	247m N	Unspecified Tanks	1991	2116936
D	249m W	Clay Mill	1877	2045646
B	255m NW	Sewage Tanks	1905 - 1924	2070722
B	263m NW	Unspecified Tank	1959	2074621
B	265m N	Unspecified Tank	1949	2096992
E	266m S	Unspecified Ground Workings	1981	2114296
B	280m NW	Unspecified Factory	1979	2064102
B	280m NW	Unspecified Factory	1991	2081035
6	285m NW	Unspecified Works	1981	2046599
D	286m W	Clay Mill	1877	2045647
F	296m W	Brick Works	1899	2108405
F	297m W	Old Brick Works	1938 - 1946	2122598
F	298m W	Old Brick Works	1949	2112637
E	302m S	Railway Building	1896	2051976
G	303m N	Unspecified Ground Workings	1979	2092674

ID	Location	Land use	Dates present	Group ID
G	303m N	Unspecified Ground Workings	1991	2112493
G	305m N	Refuse Heap	1971	2063225
I	309m SW	Unspecified Factory	1981	2046063
J	311m S	Cutting Works	1877	2048344
K	315m SW	Unspecified Works	1970	2068287
L	317m S	Unspecified Works	1981	2099696
E	318m S	Cuttings	1905	2086582
E	319m S	Cuttings	1938 - 1949	2082082
J	320m S	Cuttings	1970	2112361
B	321m NW	Unspecified Works	1967 - 1971	2097763
I	328m SW	Unspecified Pit	1877	2063899
B	329m NW	Cuttings	1946	2088921
B	329m NW	Cuttings	1924	2113750
F	332m W	Unspecified Works	1981	2067349
F	333m W	Brick Works	1905 - 1924	2114405
B	337m N	Unspecified Heap	1905	2054301
F	340m W	Brick Works	1896	2069633
G	346m N	Unspecified Pit	1899 - 1946	2078222
G	348m N	Unspecified Pit	1877	2069414
G	349m N	Unspecified Pit	1896	2113238
B	352m NW	Unspecified Factory	1979	2046056
G	353m N	Unspecified Pit	1949	2087310
9	356m SE	Unspecified Warehouse	1981	2062904
I	360m W	Unspecified Pit	1938	2118275
I	361m W	Unspecified Pit	1905	2116835
I	361m W	Unspecified Pit	1949	2101200
B	362m N	Cuttings	1896	2091977
I	362m SW	Old Clay Pit	1896 - 1899	2102946

ID	Location	Land use	Dates present	Group ID
I	371m SW	Clay Pit	1896 - 1899	2114842
I	371m SW	Unspecified Pit	1877 - 1949	2066558
B	372m N	Cuttings	1877	2117284
I	372m SW	Unspecified Pit	1946	2066611
I	372m SW	Unspecified Pit	1924	2092172
I	372m SW	Unspecified Pit	1905	2123454
I	375m SW	Unspecified Pit	1938	2091788
I	375m W	Unspecified Pit	1970	2100081
B	388m N	Cuttings	1938	2072523
I	391m SW	Unspecified Ground Workings	1946	2100791
I	393m SW	Unspecified Ground Workings	1970	2087849
F	397m W	Unspecified Ground Workings	1970	2060488
G	400m N	Unspecified Pit	1959	2100532
F	406m W	Unspecified Tank	1938	2078486
F	406m W	Unspecified Tank	1905	2065320
M	414m NW	Unspecified Works	1991	2046593
N	415m W	Railway Sidings	1924 - 1949	2118045
N	428m W	Railway Sidings	1946	2070476
N	431m W	Railway Sidings	1905	2075551
B	432m NW	Garage	1979	2062775
B	437m NW	Unspecified Depot	1979	2048074
F	441m W	Unspecified Tank	1938	2067283
F	442m W	Unspecified Tank	1905	2094176
F	443m W	Unspecified Tank	1949	2067365
F	455m W	Unspecified Tank	1924	2044712
14	483m SW	Unspecified Works	1981	2072371
N	484m W	Railway Sidings	1896	2083136
O	489m S	Cuttings	1949	2065434

ID	Location	Land use	Dates present	Group ID
O	489m S	Cuttings	1919	2090562

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**51**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
B	47m NW	Septic Tanks	1926	347711
B	54m N	Sewage Tank	1902	349999
B	55m N	Sewage Tank	1877 - 1897	357815
B	87m NW	Septic Tank	1926	347646
3	94m W	Unspecified Tank	1988	345682
B	101m N	Unspecified Tank	1989	357929
B	102m N	Unspecified Tank	1990	357978
B	102m N	Unspecified Tank	1985	351489
B	104m N	Unspecified Tank	1972	357612
B	116m N	Tanks	1985	358419
B	117m N	Tanks	1972 - 1984	354768
B	118m N	Tanks	1989 - 1990	350803
A	122m SW	Tanks	1989 - 1990	350922
B	163m N	Tanks	1990	351194
B	163m N	Tanks	1989	350127
B	165m N	Tanks	1972 - 1984	349747
B	175m N	Sewage Tanks	1902	347746

ID	Location	Land use	Dates present	Group ID
B	177m N	Tanks	1989	355828
5	183m NW	Unspecified Tank	1988	344464
B	184m N	Sewage Tank	1897	347559
B	223m NW	Tanks	1926	348772
B	225m NW	Unspecified Tank	1960	345674
B	242m N	Tanks	1995 - 1997	357185
B	242m N	Tanks	1989	353882
B	243m N	Tanks	1956 - 1986	356489
B	243m N	Tanks	1977 - 1980	356250
B	262m NW	Sewage Tanks	1902	347745
B	269m NW	Tanks	1986 - 1988	354797
B	272m N	Sewage Tank	1897	347557
B	280m N	Septic Tanks	1926	347710
H	305m NW	Tanks	1988	348781
B	309m NW	Unspecified Tank	1988 - 1996	350261
B	317m NW	Unspecified Tank	1978 - 1996	350714
B	319m NW	Unspecified Tank	1988	351702
8	320m E	Tanks	1877	348782
H	347m NW	Unspecified Tank	1968	344463
I	385m W	Unspecified Tank	1988	344447
I	400m SW	Unspecified Tank	1988	344446
B	403m NW	Unspecified Tank	1996	349624
I	403m SW	Unspecified Tank	1988	344445
B	405m NW	Unspecified Tank	1988	353365
F	410m W	Unspecified Tank	1902 - 1926	349627
L	417m SE	Unspecified Tank	1985	345681
F	420m W	Tanks	1988	348784
F	446m W	Unspecified Tank	1926	344462

ID	Location	Land use	Dates present	Group ID
F	454m W	Tanks	1988	348785
M	462m NW	Unspecified Tank	1996	354158
M	463m NW	Unspecified Tank	1988	353898
11	466m NW	Unspecified Tank	1988	344465
P	495m SW	Tanks	1986 - 1988	352834
P	496m SW	Unspecified Tank	1986	344444

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**21**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
4	106m S	Electricity Substation	1985 - 1990	229361
C	149m NE	Gas Distribution Station	1990	235009
C	150m NE	Gas Distribution Station	1985 - 1989	230977
B	245m NW	Electricity Substation	1968 - 1988	236140
D	247m SW	Electricity Substation	1988	230649
D	253m SW	Electricity Substation	1973 - 1986	232352
D	273m W	Electricity Substation	1986 - 1988	231084
D	273m W	Electricity Substation	1973	237761
B	274m NW	Electricity Substation	1988	235536
D	286m SW	Gas Distribution Station	1986	227502
D	286m SW	Gas Governor	1988	227461
B	308m NW	Electricity Substation	1996	230103

ID	Location	Land use	Dates present	Group ID
7	312m S	Electricity Substation	1984 - 1985	238958
B	314m NW	Electricity Substation	1988	238386
I	385m SW	Electricity Substation	1986	226401
I	404m SW	Electricity Substation	1973 - 1988	231397
10	405m NE	Electricity Substation	1985 - 1990	238925
K	465m W	Electricity Substation	1968 - 1988	235328
F	466m W	Electricity Substation	1988	226400
12	471m SE	Electricity Substation	1998	226398
13	474m NE	Electricity Substation	1995 - 1997	236747

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**1**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Filling Station**	**1984**	**3897**

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 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 15 >**

ID	Location	Land use	Dates present	Group ID
B	426m NW	Garage	1996	69950
B	428m NW	Garage	1978 - 1988	72400

This data is sourced from Ordnance Survey / Groundsure.

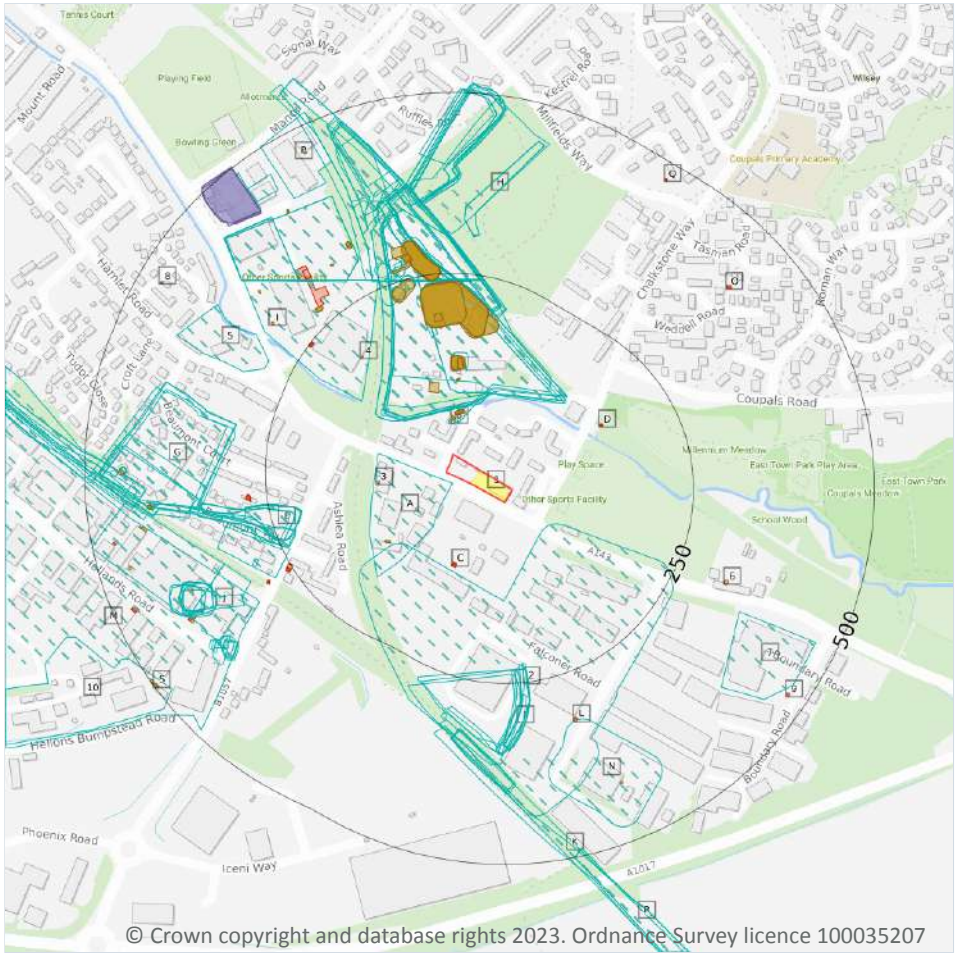
1.6 Historical military land

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 petrol stations

Historical garages

2.1 Historical industrial land uses

Records within 500m	153

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	10m W	Unspecified Works	1981	2095828
B	43m NW	Sewage Tank	1924	2049045
B	43m N	Sewage Farm	1905	2117380

ID	Location	Land Use	Date	Group ID
B	60m N	Sewage Tank	1905	2049046
B	61m NW	Sewage Farm	1896	2098527
B	61m NW	Sewage Farm	1946	2117380
B	61m NW	Sewage Farm	1924	2117380
B	63m NW	Sewage Farm	1938	2117380
2	65m SE	Unspecified Works	1981	2108420
B	65m NW	Sewage Farm	1949	2109179
B	65m NW	Sewage Farm	1949	2109179
B	74m NW	Unspecified Commercial/Industrial	1981	2058378
B	102m N	Sewage Farm	1899	2076139
B	119m N	Unspecified Tanks	1981	2055030
B	145m NW	Unspecified Factories	1981	2062845
B	164m N	Sewage Tanks	1924	2045245
B	168m N	Unspecified Tanks	1981	2055031
B	178m N	Unspecified Tanks	1981	2096793
B	180m N	Sewage Tanks	1905	2045244
B	196m N	Cuttings	1946	2087726
B	196m N	Cuttings	1924	2087726
B	198m N	Cuttings	1899	2091295
B	199m N	Cuttings	1877	2087726
B	200m N	Cuttings	1938	2115003
B	203m N	Cuttings	1905	2087726
B	203m N	Cuttings	1896	2087726
B	205m N	Cuttings	1949	2087726
B	205m N	Unspecified Tanks	1970	2116476
E	206m W	Unspecified Pit	1938	2081388
B	207m N	Unspecified Tanks	1970	2100463
B	207m N	Cuttings	1970	2113023

ID	Location	Land Use	Date	Group ID
E	208m W	Unspecified Pit	1949	2086863
E	208m W	Unspecified Pit	1949	2086863
E	209m W	Unspecified Pit	1905	2081388
E	217m W	Unspecified Pit	1946	2081388
E	217m W	Unspecified Pit	1924	2081388
B	222m NW	Unspecified Tanks	1946	2097716
E	223m W	Unspecified Pit	1970	2113940
E	223m W	Clay Pit	1896	2067939
F	223m S	Unspecified Ground Workings	1938	2089555
E	224m W	Clay Pit	1899	2067939
F	225m S	Unspecified Ground Workings	1949	2116595
F	225m S	Unspecified Ground Workings	1949	2116595
B	226m NW	Unspecified Tanks	1949	2096597
B	226m NW	Unspecified Tanks	1938	2096597
F	231m S	Old Clay Pit	1899	2087523
F	232m S	Old Clay Pit	1896	2087523
F	233m S	Unspecified Ground Workings	1970	2120037
F	234m S	Unspecified Ground Workings	1946	2089555
F	238m S	Unspecified Pit	1924	2041417
B	239m N	Cuttings	1959	2099760
B	239m N	Railway Sidings	1959	2121560
B	240m N	Sewage Works	1979	2103841
B	240m N	Sewage Works	1991	2073181
B	240m N	Unspecified Works	1967	2100004
B	240m N	Railway Sidings	1967	2081347
B	240m N	Railway Sidings	1971	2082730
B	240m N	Unspecified Works	1971	2112167
E	240m W	Brick Field	1877	2063583

ID	Location	Land Use	Date	Group ID
B	241m N	Cuttings	1967	2087726
B	241m N	Cuttings	1971	2087726
B	247m N	Unspecified Tanks	1979	2099765
B	247m N	Unspecified Tanks	1991	2116936
E	249m W	Clay Mill	1877	2045646
B	255m NW	Sewage Tanks	1924	2070722
B	263m NW	Unspecified Tank	1959	2074621
B	265m N	Unspecified Tank	1949	2096992
B	265m N	Sewage Tanks	1905	2070722
F	266m S	Unspecified Ground Workings	1981	2114296
B	280m NW	Unspecified Factory	1979	2064102
B	280m NW	Unspecified Factory	1991	2081035
5	285m NW	Unspecified Works	1981	2046599
E	286m W	Clay Mill	1877	2045647
G	296m W	Brick Works	1899	2108405
G	297m W	Old Brick Works	1938	2122598
G	298m W	Old Brick Works	1949	2112637
F	302m S	Railway Building	1896	2051976
H	303m N	Unspecified Ground Workings	1979	2092674
H	303m N	Unspecified Ground Workings	1991	2112493
H	305m N	Refuse Heap	1971	2063225
G	309m W	Old Brick Works	1946	2122598
J	309m SW	Unspecified Factory	1981	2046063
K	311m S	Cutting Works	1877	2048344
M	315m SW	Unspecified Works	1970	2068287
N	317m S	Unspecified Works	1981	2099696
F	318m S	Cuttings	1905	2086582
F	319m S	Cuttings	1938	2082082

ID	Location	Land Use	Date	Group ID
K	320m S	Cuttings	1970	2112361
F	320m S	Cuttings	1949	2082082
B	321m NW	Unspecified Works	1967	2097763
B	321m NW	Unspecified Works	1971	2097763
J	328m SW	Unspecified Pit	1877	2063899
B	329m NW	Cuttings	1946	2088921
B	329m NW	Cuttings	1924	2113750
G	332m W	Unspecified Works	1981	2067349
G	333m W	Brick Works	1905	2114405
B	335m NW	Cuttings	1949	2087726
B	337m N	Unspecified Heap	1905	2054301
G	340m W	Brick Works	1896	2069633
H	346m N	Unspecified Pit	1899	2078222
G	346m W	Brick Works	1924	2114405
H	348m N	Unspecified Pit	1877	2069414
H	348m N	Unspecified Pit	1946	2078222
H	348m N	Unspecified Pit	1924	2078222
H	349m N	Unspecified Pit	1896	2113238
H	350m N	Unspecified Pit	1905	2078222
H	351m N	Unspecified Pit	1938	2078222
B	352m NW	Unspecified Factory	1979	2046056
H	353m N	Unspecified Pit	1949	2087310
H	353m N	Unspecified Pit	1949	2087310
7	356m SE	Unspecified Warehouse	1981	2062904
J	360m W	Unspecified Pit	1938	2118275
J	361m W	Unspecified Pit	1905	2116835
J	361m W	Unspecified Pit	1949	2101200
J	361m W	Unspecified Pit	1949	2101200

ID	Location	Land Use	Date	Group ID
B	362m N	Cuttings	1896	2091977
J	362m SW	Old Clay Pit	1899	2102946
J	362m SW	Old Clay Pit	1896	2102946
J	371m SW	Clay Pit	1896	2114842
J	371m SW	Unspecified Pit	1877	2066558
B	372m N	Cuttings	1877	2117284
J	372m SW	Unspecified Pit	1946	2066611
J	372m SW	Unspecified Pit	1924	2092172
J	372m SW	Unspecified Pit	1905	2123454
J	373m SW	Clay Pit	1899	2114842
J	375m SW	Unspecified Pit	1938	2091788
J	375m W	Unspecified Pit	1970	2100081
J	377m SW	Unspecified Pit	1949	2066558
J	377m SW	Unspecified Pit	1949	2066558
B	388m N	Cuttings	1938	2072523
J	390m SW	Unspecified Pit	1924	2066558
J	391m SW	Unspecified Ground Workings	1946	2100791
J	393m SW	Unspecified Ground Workings	1970	2087849
G	397m W	Unspecified Ground Workings	1970	2060488
H	400m N	Unspecified Pit	1959	2100532
G	406m W	Unspecified Tank	1938	2078486
G	406m W	Unspecified Tank	1905	2065320
P	414m NW	Unspecified Works	1991	2046593
G	415m W	Railway Sidings	1949	2118045
G	417m W	Railway Sidings	1938	2118045
G	427m W	Railway Sidings	1924	2118045
G	428m W	Railway Sidings	1946	2070476
G	431m W	Railway Sidings	1905	2075551

ID	Location	Land Use	Date	Group ID
B	432m NW	Garage	1979	2062775
B	437m NW	Unspecified Depot	1979	2048074
G	441m W	Unspecified Tank	1938	2067283
G	442m W	Unspecified Tank	1905	2094176
G	443m W	Unspecified Tank	1949	2067365
G	455m W	Unspecified Tank	1924	2044712
10	483m SW	Unspecified Works	1981	2072371
G	484m W	Railway Sidings	1896	2083136
R	489m S	Cuttings	1949	2065434
R	489m S	Cuttings	1919	2090562

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**69**

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
B	47m NW	Septic Tanks	1926	347711
B	54m N	Sewage Tank	1902	349999
B	55m N	Sewage Tank	1877	357815
B	55m N	Sewage Tank	1897	357815
B	55m N	Sewage Tank	1887	357815
B	87m NW	Septic Tank	1926	347646
3	94m W	Unspecified Tank	1988	345682
B	101m N	Unspecified Tank	1989	357929
B	102m N	Unspecified Tank	1990	357978
B	102m N	Unspecified Tank	1985	351489

ID	Location	Land Use	Date	Group ID
B	104m N	Unspecified Tank	1972	357612
B	116m N	Tanks	1985	358419
B	117m N	Tanks	1972	354768
B	117m N	Tanks	1972	354768
B	117m N	Tanks	1984	354768
B	118m N	Tanks	1990	350803
B	118m N	Tanks	1989	350803
A	122m SW	Tanks	1989	350922
A	123m SW	Tanks	1990	350922
B	163m N	Tanks	1990	351194
B	163m N	Tanks	1989	350127
B	165m N	Tanks	1972	349747
B	165m N	Tanks	1972	349747
B	165m N	Tanks	1984	349747
B	175m N	Sewage Tanks	1902	347746
B	177m N	Tanks	1989	355828
4	183m NW	Unspecified Tank	1988	344464
B	184m N	Sewage Tank	1897	347559
B	223m NW	Tanks	1926	348772
B	225m NW	Unspecified Tank	1960	345674
B	242m N	Tanks	1995	357185
B	242m N	Tanks	1996	357185
B	242m N	Tanks	1997	357185
B	242m N	Tanks	1989	353882
B	243m N	Tanks	1956	356489
B	243m N	Tanks	1983	356489
B	243m N	Tanks	1986	356489
B	243m N	Tanks	1977	356250

ID	Location	Land Use	Date	Group ID
B	243m N	Tanks	1980	356250
B	262m NW	Sewage Tanks	1902	347745
B	269m NW	Tanks	1986	354797
B	270m NW	Tanks	1988	354797
B	272m N	Sewage Tank	1897	347557
B	280m N	Septic Tanks	1926	347710
I	305m NW	Tanks	1988	348781
B	309m NW	Unspecified Tank	1996	350261
B	309m NW	Unspecified Tank	1988	350261
B	317m NW	Unspecified Tank	1996	350714
B	319m NW	Unspecified Tank	1988	351702
6	320m E	Tanks	1877	348782
B	321m NW	Unspecified Tank	1978	350714
I	347m NW	Unspecified Tank	1968	344463
J	385m W	Unspecified Tank	1988	344447
J	400m SW	Unspecified Tank	1988	344446
B	403m NW	Unspecified Tank	1996	349624
J	403m SW	Unspecified Tank	1988	344445
B	405m NW	Unspecified Tank	1988	353365
G	410m W	Unspecified Tank	1926	349627
G	410m W	Unspecified Tank	1902	349627
N	417m SE	Unspecified Tank	1985	345681
G	420m W	Tanks	1988	348784
G	446m W	Unspecified Tank	1926	344462
G	454m W	Tanks	1988	348785
P	462m NW	Unspecified Tank	1996	354158
P	463m NW	Unspecified Tank	1988	353898
8	466m NW	Unspecified Tank	1988	344465

ID	Location	Land Use	Date	Group ID
S	495m SW	Tanks	1986	352834
S	496m SW	Tanks	1988	352834
S	496m SW	Unspecified Tank	1986	344444

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**36**

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
C	106m S	Electricity Substation	1985	229361
C	107m S	Electricity Substation	1989	229361
C	108m S	Electricity Substation	1990	229361
D	149m NE	Gas Distribution Station	1990	235009
D	150m NE	Gas Distribution Station	1985	230977
D	151m NE	Gas Distribution Station	1989	230977
B	245m NW	Electricity Substation	1988	236140
B	246m NW	Electricity Substation	1986	236140
B	246m NW	Electricity Substation	1973	236140
B	246m NW	Electricity Substation	1968	236140
E	247m SW	Electricity Substation	1988	230649
E	253m SW	Electricity Substation	1973	232352
E	254m SW	Electricity Substation	1986	232352
E	273m W	Electricity Substation	1986	231084
E	273m W	Electricity Substation	1973	237761
E	273m W	Electricity Substation	1988	231084
B	274m NW	Electricity Substation	1988	235536

ID	Location	Land Use	Date	Group ID
E	286m SW	Gas Distribution Station	1986	227502
E	286m SW	Gas Governor	1988	227461
B	308m NW	Electricity Substation	1996	230103
L	312m S	Electricity Substation	1985	238958
L	313m S	Electricity Substation	1984	238958
B	314m NW	Electricity Substation	1988	238386
J	385m SW	Electricity Substation	1986	226401
J	404m SW	Electricity Substation	1973	231397
O	405m NE	Electricity Substation	1990	238925
J	406m SW	Electricity Substation	1988	231397
O	406m NE	Electricity Substation	1989	238925
O	406m NE	Electricity Substation	1985	238925
M	465m W	Electricity Substation	1968	235328
M	466m W	Electricity Substation	1988	235328
G	466m W	Electricity Substation	1988	226400
9	471m SE	Electricity Substation	1998	226398
Q	474m NE	Electricity Substation	1995	236747
Q	474m NE	Electricity Substation	1996	236747
Q	474m NE	Electricity Substation	1997	236747

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**1**

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'.

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

ID	Location	Land Use	Date	Group ID
1	**On site**	**Filling Station**	**1984**	**3897**

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	3

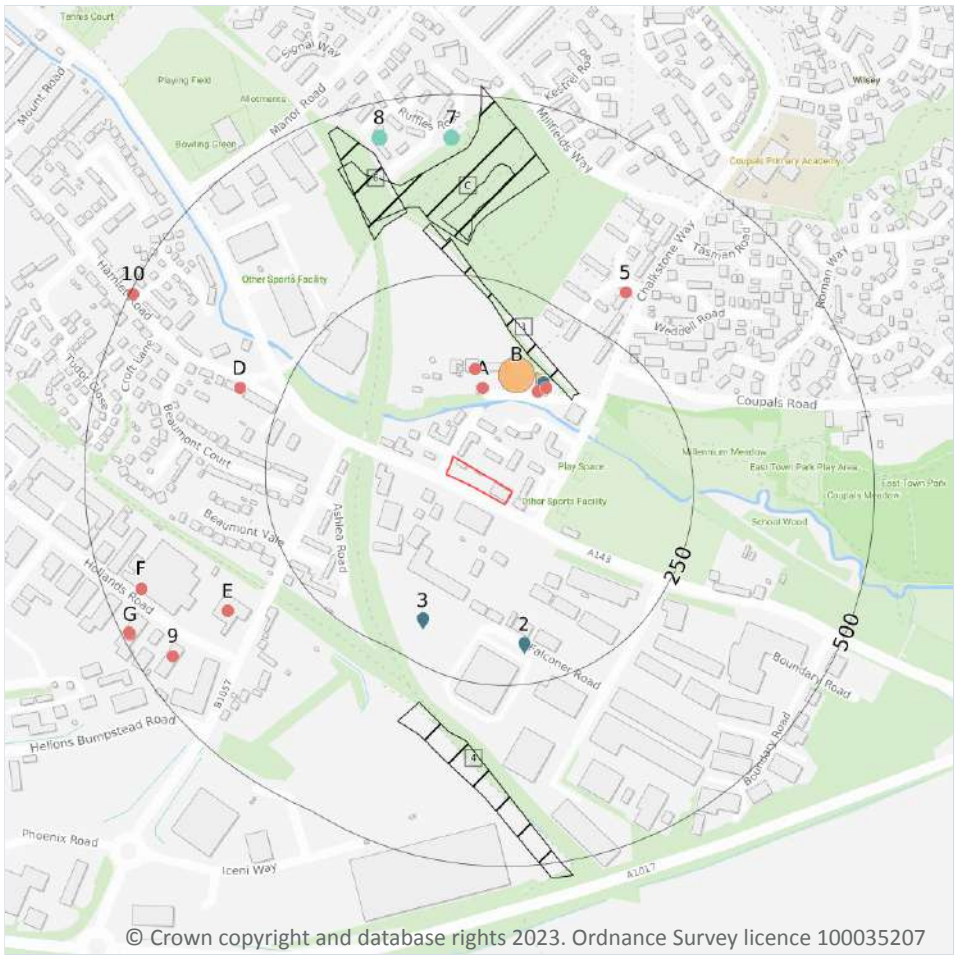
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
B	426m NW	Garage	1996	69950
B	428m NW	Garage	1988	72400
B	429m NW	Garage	1978	72400

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	2

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.

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

ID	Location	Address	BGS Number	Risk	Waste Type
7	440m N	Junction Hole, Relief Rd, Haverhill, Suffolk	2414	Risk to major aquifer	N/A
8	451m N	Junction Hole, Relief Rd, Haverhill, Suffolk	2413	Risk to major aquifer	N/A

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	5

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

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

ID	Location	Details		
1	150m NE	Site Address: By Sewage Treatment Works, Off Chalkstone Way, Haverhill Licence Holder Address: -	Waste Licence: - Site Reference: SE10 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
C	292m N	Site Address: Millfields Way, Millfields Way, Haverhill Licence Holder Address: -	Waste Licence: - Site Reference: SE08 Waste Type: Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: St Edmonsbury Borough Council Licence Holder: - First Recorded - Last Recorded: -

ID	Location	Details		
4	297m S	Site Address: Sturmer End Industrial Estate, Off A1017, Haverhill, Suffolk Licence Holder Address: -	Waste Licence: - Site Reference: SE09 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
C	298m N	Site Address: Junction Hole, Relief Road, Haverhill, Suffolk Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Haverhill Urban District Council Licence Holder: - First Recorded - Last Recorded: 30/09/1972
6	318m NW	Site Address: Railway Cutting, Relief Road, Haverhill, Suffolk Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Haverhill Urban District Council Licence Holder: - First Recorded 31/01/1972 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	**2**

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 37 >**

ID	Location	Address	Further Details	Date
B	116m N	Site Address: Coupals Road, HAVERHILL, Suffolk, CB9 7UR	Type of Site: Waste Transfer Station (Extension) Planning application reference: SE/05/1343/P Description: Scheme comprises proposed extension to waste transfer site. An application (ref: SE/05/1343/P) for detailed planning permission was granted by St. Edmundsbury B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
B	131m NE	Site Address: N/A	Type of Site: Household Waste Site Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985

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

3.6 Licensed waste sites

Records within 500m	**8**

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

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

ID	Location	Details		
B	147m NE	Site Name: Haverhill Civic Amenity Site Site Address: Coupals Road, Haverhill, Suffolk Correspondence Address: 2, The Square, Martlesham Heath, Ipswich, Suffolk, IP5 7SL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUF014 EPR reference: - Operator: Viridor Waste Suffolk Ltd Waste Management licence No: 70776 Annual Tonnage: 0	Issue Date: 25/05/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	147m NE	Site Name: Haverhill Civic Amenity Site Site Address: Land/ Premises At, Coupals Road, Haverhill, Suffolk, CB9 7UR Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS097 EPR reference: EA/EPR/DP3499VV/T001 Operator: Waste Recycling Ltd Waste Management licence No: 70776 Annual Tonnage: 7500	Issue Date: 25/05/1994 Effective Date: 06/07/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	147m NE	Site Name: Haverhill Household Waste Recycling Centre Site Address: Haverhill H W R C, Coupals Road, Haverhill, Suffolk, CB9 7UR Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS097 EPR reference: EA/EPR/DP3499VV/V002 Operator: F C C Recycling (U K) Limited Waste Management licence No: 70776 Annual Tonnage: 7500	Issue Date: 25/05/1994 Effective Date: 06/07/2009 Modified: 28/09/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
B	147m NE	Site Name: Haverhill Household Waste Recycling Centre Site Address: Haverhill H W R C, Coupals Road, Haverhill, Suffolk, CB9 7UR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS097 EPR reference: EA/EPR/DP3499VV/V004 Operator: F C C Recycling (U K) Limited Waste Management licence No: 70776 Annual Tonnage: 7500	Issue Date: 25/05/1994 Effective Date: 06/07/2009 Modified: 11/07/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	147m NE	Site Name: Haverhill Civic Amenity Site Site Address: Coupals Road, Haverhill, Suffolk, CB9 7UR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS097 EPR reference: DP3499VV/T001 Operator: Waste Recycling Ltd Waste Management licence No: 70776 Annual Tonnage: 7500	Issue Date: 25/05/1994 Effective Date: 06/07/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	147m NE	Site Name: Haverhill Household Waste Recycling Centre Site Address: Fcc Recycling (Uk) Limited, Haverhill H W R C, Coupals Road, Haverhill, Suffolk, CB9 7UR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639986 EPR reference: EA/EPR/DP3499VV Operator: Fcc Recycling (Uk) Limited Waste Management licence No: 70776 Annual Tonnage: 7500	Issue Date: 25/05/1994 Effective Date: 25/05/1994 Modified: 25/05/1994 Surrendered Date: - Expiry Date: - Cancelled Date: 25/05/1994 Status: Issued

ID	Location	Details		
2	195m S	Site Name: Site TL 68200 44500 Site Address: Gregory Llewellyn Wigmore, Falconer Road Ind Estate, Falconer Road Ind Estate, Haverhill, Suffolk, CB9 7UU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639118 EPR reference: EA/EPR/RP3995NP Operator: Gregory Llewellyn Wigmore Waste Management licence No: 70791 Annual Tonnage: 369	Issue Date: 28/10/1996 Effective Date: 28/10/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 28/10/1996 Status: Surrendered
3	196m S	Site Name: Haverhill Site Address: Widdington Recycling Ltd, McFletch Waste Management Site, Land on West of Falconer Road, Haverhill, CB9 8QE Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE8118AB/A001 Operator: Widdington Recycling Ltd Waste Management licence No: 120731 Annual Tonnage: 0	Issue Date: 23/03/2023 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m **23**

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

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

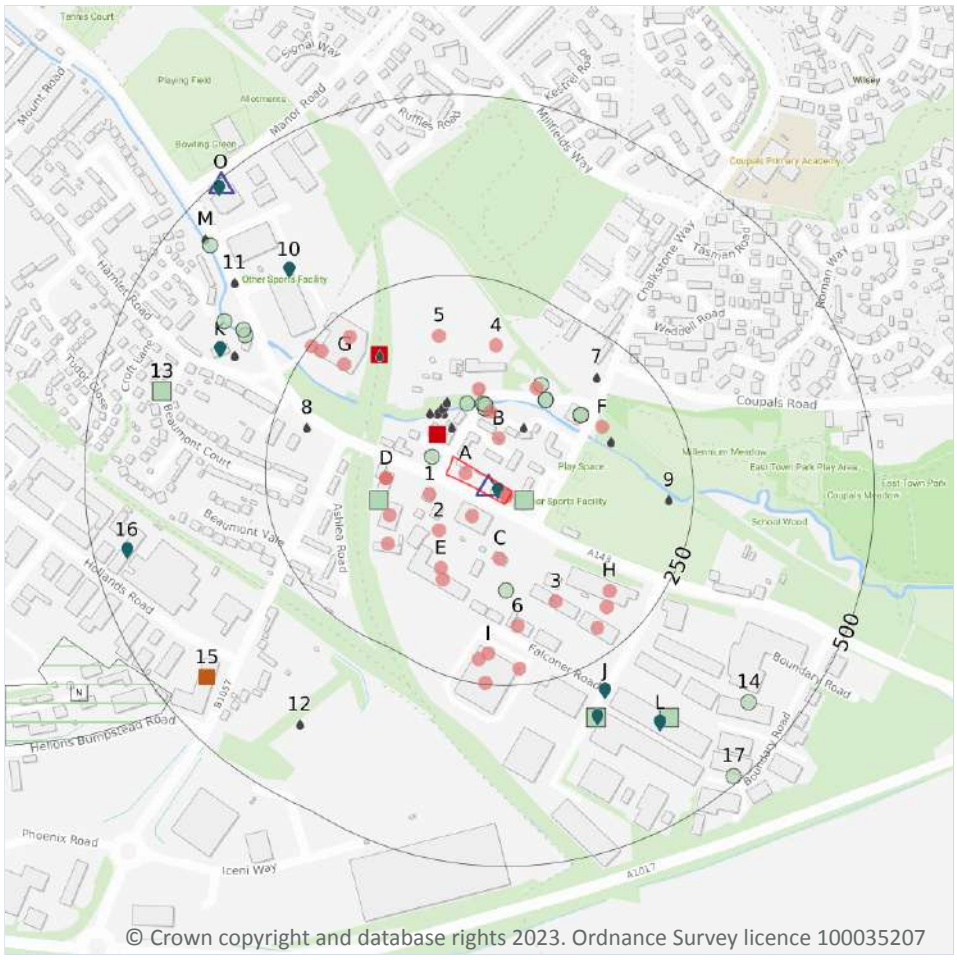
ID	Location	Site	Reference	Category	Sub-Category	Description
A	102m N	Haverhill Sewage Treatment Works Coupals Road Suffolk CB9 7UR	EPR/PE5381YV/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of waste at a waste water treatment works
A	123m N	-	WEX242548	Treating waste exemption	Not on a farm	Recovery of waste at a waste water treatment works

ID	Location	Site	Reference	Category	Sub-Category	Description
B	135m NE	Haverhill HWRC, Coupals Close, Haverhill, CB9 7UR	WEX188138	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	145m NE	HAVERHILL WRC, COUPALS ROAD, HAVERHILL, CB9 7UR	WEX091184	Treating waste exemption	Not on a farm	Recovery of waste at a waste water treatment works
B	146m NE	Haverhill HWRC, Coupals Close, Haverhill, CB9 7UR	WEX317552	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Using waste exemption	Not on a farm	Use of waste in construction
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Using waste exemption	Not on a farm	Use of mulch
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
D	309m W	Jackson Civil Engineering, A143 Sturmer Road, Haverhill, CB9 8QQ	WEX104690	Using waste exemption	Not on a farm	Use of waste for a specified purpose
5	315m NE	-	WEX353275	Using waste exemption	Not on a farm	Use of waste in construction
E	357m SW	4, HOLLANDS ROAD, REAR WAREHOUSE, HAVERHILL, CB9 8PP	WEX357909	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	357m SW	4, HOLLANDS ROAD, REAR WAREHOUSE, HAVERHILL, CB9 8PP	WEX357909	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	451m W	4, HOLLANDS ROAD, HAVERHILL, CB9 8PP	WEX230363	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	451m W	4, HOLLANDS ROAD, HAVERHILL, CB9 8PP	WEX230363	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	451m W	4, HOLLANDS ROAD, HAVERHILL, CB9 8PP	WEX357908	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
F	451m W	4, HOLLANDS ROAD, HAVERHILL, CB9 8PP	WEX357908	Storing waste exemption	Not on a farm	Storage of waste in secure containers
9	454m SW	13, Hollands Road, Haverhill, CB9 8PU	WEX270447	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	490m SW	13 Hollands Road, Haverhill, CB9 8PU	NC3/000051	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	490m SW	13 Hollands Road,Haverhill CB9 8PU	EXP/WP3047DP	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	491m SW	13 Hollands Road, Haverhill, Suffolk, CB9 8PU	EA/EPR/VP3947EA/A001	Treating waste exemption	Not on a Farm	Repair or refurbishment of WEEE
10	496m NW	Bloor Homes Site Tudor Croft HAVERHILL Suffolk CB9 8EH	EPR/DE5789JZ/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

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	34

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Haverhill Car Xchange**	**The Motorpark Sturmer Arches, Sturmer Road, Haverhill, Suffolk, CB9 7UU**	**Secondhand Vehicles**	**Motoring**
A	**On site**	**Esso**	**Sturmer Road, -, Haverhill, Suffolk, CB9 7UU**	**Petrol and Fuel Stations**	**Road and Rail**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Mfg Haverhill**	**Haverhill Service Station, Sturmer Road, Haverhill, Suffolk, CB9 7UU**	**Vehicle Cleaning Services**	**Personal, Consumer and Other Services**
A	35m S	F S M Manufacturing	Sturmer End Industrial Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
1	36m W	M & M Leisure	-, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Vehicle Hire and Rental	Hire Services
B	53m NE	Electricity Sub Station	Suffolk, CB9	Electrical Features	Infrastructure and Facilities
2	75m SW	Sturmer End Industrial Estate	Suffolk, CB9	Business Parks and Industrial Estates	Industrial Features
C	75m S	Tyres Direct Ltd	Sturmer End House, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Vehicle Parts and Accessories	Motoring
B	79m N	Pumping Station	Suffolk, CB9	Water Pumping Stations	Industrial Features
D	83m W	Practical Haverhill	2 Charterhouse Trading Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Vehicle Hire and Rental	Hire Services
D	83m W	Petco	2 Charterhouse Trading Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
D	83m W	Jacob Autos	Charterhouse Trading Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Secondhand Vehicles	Motoring
D	96m W	Haverhill Mobility Centre	1 Charterhouse Trading Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Disability and Mobility Equipment	Consumer Products
B	99m N	Haverhill Sewage Treatment Works	Coupals Road, -, Haverhill, Suffolk, CB9 7UR	Civil Engineers	Engineering Services
E	120m SW	Electricity Sub Station	Suffolk, CB9	Electrical Features	Infrastructure and Facilities
D	125m SW	Tank	Suffolk, CB9	Tanks (Generic)	Industrial Features
E	132m S	Fir Tree Technology Ltd	Unit A4 Sturmer End Industrial Estate, Sturmer Road, Haverhill, Suffolk, CB9 7UU	Vehicle Parts and Accessories	Motoring
B	140m NE	Public Recycling Facility	Suffolk, CB9	Recycling Centres	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
3	151m SE	Motor Medic	Unit 8 Spring Rise, Falconer Road, Haverhill, Suffolk, CB9 7XU	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	152m NE	Gas Distribution Station	Suffolk, CB9	Gas Features	Infrastructure and Facilities
4	164m N	Sludge Tank	Suffolk, CB9	Waste Storage, Processing and Disposal	Infrastructure and Facilities
5	168m N	Sewage Works	Suffolk, CB9	Waste Storage, Processing and Disposal	Infrastructure and Facilities
6	169m S	Form Mould & Tooling Ltd	Spring Rise, Falconer Road, Haverhill, Suffolk, CB9 7XU	Tools Including Machine Shops	Industrial Products
H	187m SE	Saica	Unit 1, Falconer Road, Haverhill, Suffolk, CB9 7XU	Published Goods	Industrial Products
G	196m NW	R P M S Auto Parts Ltd	Unit 9 Hamlet Green Industrial Park, Sturmer Road, Haverhill, Suffolk, CB9 8QL	Vehicle Parts and Accessories	Motoring
H	200m SE	Electricity Sub Station	Suffolk, CB9	Electrical Features	Infrastructure and Facilities
I	208m S	Suffolk Bodywork Repairs	20 Maple Park, Falconer Road, Haverhill, Suffolk, CB9 7BG	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	213m SE	Office Problem Solved	Ops House, Falconer Road, Haverhill, Suffolk, CB9 7XU	Office and Shop Equipment	Industrial Products
I	217m S	Haver Plastics Co Ltd	19 Maple Park, Falconer Road, Haverhill, Suffolk, CB9 7BG	Rubber, Silicones and Plastics	Industrial Products
G	218m NW	Incandescent	Unit 5 Hamlet Green Industrial Park, Sturmer Road, Haverhill, Suffolk, CB9 8QL	Candles	Consumer Products
I	228m S	Electricity Sub Station	Suffolk, CB9	Electrical Features	Infrastructure and Facilities
G	233m NW	Suffolk Service Centre	Unit 7 Hamlet Green Industrial Park, Sturmer Road, Haverhill, Suffolk, CB9 8QL	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	247m NW	Electricity Sub Station	Suffolk, CB9	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
I	248m S	Apex Precision Engineering Ltd	Maple Park, Falconer Road, Haverhill, Suffolk, CB9 7XU	Precision Engineers	Engineering Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**2**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Company	Address	LPG	Status
A	**On site**	**ESSO**	**Sturmer Road, Haverhill, Suffolk, CB9 7UU**	**No**	**Open**
O	496m NW	JET	Manor Road, Ehringshausen Way, Haverhill, Suffolk, CB9 0EP	Yes	Open

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 45 >**

ID	Location	Company	Address	Operational status	Tier
N	486m SW	Deltech Europe Limited	Deltech Europe Limited, Haverhill, Piperell Way, Haverhill, Suffolk, CB9 8PH	Historical COMAH Site	COMAH Lower Tier Operator
N	486m SW	AOC Resins UK Limited	AOC Resins UK Limited, Haverhill, Piperell Way, Haverhill, Suffolk, CB9 8PH	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	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	8

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 45 >**

ID	Location	Address	Details	
A	**On site**	**St Albans Operating Company Ltd (Formerly Murco Service Station), Sturmer Road, Haverhill, CB9 7UU**	**Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B**	**Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified**
J	292m SE	Ari Propaflor, Falconer Road, Haverhill, Suffolk, CB9 7XU	Process: timber process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
J	320m SE	Algar Industrial Finishing Ltd, Falconer Road, Haverhill, Suffolk, CB9 7XU	Process: coating & enamelling process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
10	343m NW	Project Office Furniture, Stour Valley Lane, Hamlet Green, Haverhill	Process: timber process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	354m NW	Workspace Office Solutions, Hamlet Green, Haverhill, CB9 8QJ	Process: Timber Manufacture; Coating Processes Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
L	370m SE	Project Office Furniture, Falconer Road, Haverhill, Suffolk, CB9 9PU	Process: coating & enamelling process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	454m W	Taylors Foundry Ltd, 6 Hollands Road, Haverhill, CB9 8PU	Process: Foundry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
O	492m NW	North Street Garages, Manor Road, Haverhill, CB9 0EP	Process: Unloading of Petrol into Storage at Service Stations Status: Current 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	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**78**

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 45 >**

ID	Location	Address	Details	
B	39m NW	COUPALS ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE07364 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/06/1964 Effective Date: 24/06/1964 Revocation Date: 19/05/1992
B	60m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 13 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 04/08/2016 Effective Date: 04/08/2016 Revocation Date: 30/03/2019
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 16 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 22/12/2024 Revocation Date: -
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 16 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 22/12/2024 Revocation Date: -
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 13 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 04/08/2016 Effective Date: 04/08/2016 Revocation Date: 30/03/2019
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 14 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 13/02/2019 Effective Date: 31/03/2019 Revocation Date: 19/12/2021

ID	Location	Address	Details	
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 14 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 13/02/2019 Effective Date: 31/03/2019 Revocation Date: 19/12/2021
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 14 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 13/02/2019 Effective Date: 31/03/2019 Revocation Date: 19/12/2021
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 14 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 13/02/2019 Effective Date: 31/03/2019 Revocation Date: 19/12/2021
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 16 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 22/12/2024 Revocation Date: -
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 14 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 13/02/2019 Effective Date: 31/03/2019 Revocation Date: 19/12/2021
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 13 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 04/08/2016 Effective Date: 04/08/2016 Revocation Date: 30/03/2019
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 16 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 22/12/2024 Revocation Date: -

ID	Location	Address	Details	
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 16 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 22/12/2024 Revocation Date: -
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 15 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 20/12/2021 Revocation Date: 21/12/2024
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 15 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 20/12/2021 Revocation Date: 21/12/2024
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 15 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 20/12/2021 Revocation Date: 21/12/2024
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 15 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 20/12/2021 Revocation Date: 21/12/2024
B	63m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 15 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 20/12/2021 Effective Date: 20/12/2021 Revocation Date: 21/12/2024

ID	Location	Address	Details	
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF9071 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/09/1971 Effective Date: 01/09/1971 Revocation Date: 23/02/1989
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/02/1989 Effective Date: 24/02/1989 Revocation Date: 30/03/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 2 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2000 Effective Date: 31/03/2000 Revocation Date: 14/12/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 3 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 15/12/2000 Effective Date: 15/12/2000 Revocation Date: 31/12/2004
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF9071 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/09/1971 Effective Date: 01/09/1971 Revocation Date: 23/02/1989
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 3 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 15/12/2000 Effective Date: 15/12/2000 Revocation Date: 31/12/2004

ID	Location	Address	Details	
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF9071 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/09/1971 Effective Date: 01/09/1971 Revocation Date: 23/02/1989
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/02/1989 Effective Date: 24/02/1989 Revocation Date: 30/03/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 3 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 15/12/2000 Effective Date: 15/12/2000 Revocation Date: 31/12/2004
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/02/1989 Effective Date: 24/02/1989 Revocation Date: 30/03/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 2 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2000 Effective Date: 31/03/2000 Revocation Date: 14/12/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 2 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2000 Effective Date: 31/03/2000 Revocation Date: 14/12/2000

ID	Location	Address	Details	
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF9071 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/09/1971 Effective Date: 01/09/1971 Revocation Date: 23/02/1989
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 1 Receiving Water: Stour Brook River Stour NT	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/02/1989 Effective Date: 24/02/1989 Revocation Date: 30/03/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 2 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2000 Effective Date: 31/03/2000 Revocation Date: 14/12/2000
B	67m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 3 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 15/12/2000 Effective Date: 15/12/2000 Revocation Date: 31/12/2004
B	68m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 12 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 11/09/2014 Effective Date: 11/09/2014 Revocation Date: 03/08/2016
B	69m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 12 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 11/09/2014 Effective Date: 11/09/2014 Revocation Date: 03/08/2016

ID	Location	Address	Details	
B	69m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 12 Receiving Water: Stour Brook River Stour NT	Status: VARIED UNDER EPR 2010 Issue date: 11/09/2014 Effective Date: 11/09/2014 Revocation Date: 03/08/2016
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 11 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/10/2011 Effective Date: 17/10/2011 Revocation Date: 10/09/2014
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 6 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 01/05/2006 Revocation Date: 31/03/2008
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 8 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 23/12/2005 Revocation Date: 30/04/2006
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 4 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/01/2005 Revocation Date: 31/03/2005
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 8 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 23/12/2005 Revocation Date: 30/04/2006

ID	Location	Address	Details	
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 4 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/01/2005 Revocation Date: 31/03/2005
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 5 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2005 Revocation Date: 22/12/2005
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 6 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 01/05/2006 Revocation Date: 31/03/2008
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: AW2NF342 Permit Version: 10 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/12/2009 Effective Date: 31/12/2009 Revocation Date: 16/10/2011
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 7 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2008 Revocation Date: 31/03/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 6 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 01/05/2006 Revocation Date: 31/03/2008

ID	Location	Address	Details	
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 8 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 23/12/2005 Effective Date: 23/12/2005 Revocation Date: 30/04/2006
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW2NF342 Permit Version: 11 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/10/2011 Effective Date: 17/10/2011 Revocation Date: 10/09/2014
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 9 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/12/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 7 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2008 Revocation Date: 31/03/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 5 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2005 Revocation Date: 22/12/2005
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 10 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/12/2009 Effective Date: 31/12/2009 Revocation Date: 16/10/2011

ID	Location	Address	Details	
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 9 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/12/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 5 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2005 Revocation Date: 22/12/2005
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 11 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/10/2011 Effective Date: 17/10/2011 Revocation Date: 10/09/2014
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: AW2NF342 Permit Version: 9 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/12/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 7 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/04/2008 Revocation Date: 31/03/2009
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NF342 Permit Version: 4 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/12/2004 Effective Date: 01/01/2005 Revocation Date: 31/03/2005

ID	Location	Address	Details	
B	75m N	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NF342 Permit Version: 10 Receiving Water: Stour Brook River Stour NT	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/12/2009 Effective Date: 31/12/2009 Revocation Date: 16/10/2011
B	83m NE	SITE OFF COUPALS CLOSE, STURMER ROAD, HAVERHILL, SUFFOLK.	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PRENF00991 Permit Version: 1 Receiving Water: Stour Brook	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 21/06/1989 Effective Date: 21/06/1989 Revocation Date: 14/02/1992
F	151m E	COUPALS ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE07874 Permit Version: 1 Receiving Water: -	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/11/1974 Effective Date: 20/11/1974 Revocation Date: 04/03/1993
G	172m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NFE05261 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/07/1961 Effective Date: 05/07/1961 Revocation Date: 01/08/1991
G	172m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW2NFE30866 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 31/08/1966 Effective Date: 31/08/1966 Revocation Date: 01/08/1991
G	172m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW2NFE30866 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 31/08/1966 Effective Date: 31/08/1966 Revocation Date: 01/08/1991
G	172m NW	HOLLANDS ROAD IND. EST. & COUPALS R, HAVERHILL, SUFFOLK.	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: AW2NFE04368 Permit Version: 1 Receiving Water: Stour Brook	Status: SURRENDERED UNDER EPR 2010 Issue date: 21/03/1968 Effective Date: 21/03/1968 Revocation Date: 01/11/2011
G	172m NW	HAVERHILL WRC, CHALKSTONE WAY, HAVERHILL, SUFFOLK, CB9 7UR	Effluent Type: UNSPECIFIED Permit Number: AW2NFE05261 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/07/1961 Effective Date: 05/07/1961 Revocation Date: 01/08/1991

ID	Location	Address	Details	
7	195m NE	MOTTS FIELD, COUPLAS ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE06975 Permit Version: 1 Receiving Water: -	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 30/10/1975 Effective Date: 30/10/1975 Revocation Date: 02/03/1993
8	203m W	IND DEVLP HAMLET GREEN, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE02271 Permit Version: 1 Receiving Water: River Stour	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/03/1971 Effective Date: 18/03/1971 Revocation Date: 19/06/1996
9	216m E	IND. DEV. AT STURMER END, HAVERHILL, SUFFO	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: AW2NFE15367 Permit Version: 1 Receiving Water: -	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/09/1967 Effective Date: 28/09/1967 Revocation Date: -
K	332m NW	JUNCTION OF A. 604 AND MANOR ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE07859 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/01/1960 Effective Date: 20/01/1960 Revocation Date: 19/05/1992
K	332m NW	JUNCTION OF A. 604 AND MANOR ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE04279 Permit Version: 1 Receiving Water: -	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/10/1979 Effective Date: 26/10/1979 Revocation Date: 13/02/1992
K	332m NW	JUNCTION OF A. 604 AND MANOR ROAD, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NF116 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/10/1985 Effective Date: 07/10/1985 Revocation Date: -
11	385m NW	IND. DEVLPT AT HAMLET GREEN, HAVERHILL, ESSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE09069 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 08/06/1969 Effective Date: 08/06/1969 Revocation Date: 21/04/1992
12	400m SW	TWO FACTORIES AT HAMLET GREEN, HAVERHILL, SUFFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE14570 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 08/01/1972 Effective Date: 08/01/1972 Revocation Date: 25/03/1992
M	454m NW	HAMLET GREEN, HAVERHILL, SUFFOLK, CB9 8QJ	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR2NFE02672 Permit Version: 1 Receiving Water: Stour Brook	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 30/03/1972 Effective Date: 30/03/1972 Revocation Date: 08/03/1993

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Address	Details	
15	434m SW	Mansols Preforms Limited, 1 HOLLANDS ROAD, HAVERHILL, SUFFOLK, -, CB9 8PX	Permission reference: SCE0168C2 Local Authority: - First received date: 01/01/2016	Last received date: 01/01/2018 Status: EFFECTIVE

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

4.16 List 1 Dangerous Substances

Records within 500m	4

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 45 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
B	37m NW	Selectro Finishers Ltd	Not Active	Stour Bk.sturmer Br., River Stour	Mercury (other), Cadmium
B	37m NW	Haverhill Stw	Not Active	Na	-
G	173m NW	Micrometics Ltd	Active	Stour Bk.sturmer Br., River Stour	Mercury (other), Cadmium
G	173m NW	Page Fixing & Power Supply Ltd	Not Active	Stour Bk.sturmer Br., River Stour	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m	6

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 45 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	20m SE	Murco Service Station	Not Active	Na	pH
D	100m W	Fsm Manufacturing	Not Active	Na	pH
J	320m SE	Titon Hardware Ltd	Not Active	Na	pH
J	320m SE	Titon Hardware Ltd	Not Active	Na	pH
L	371m SE	Titon Components Ltd	Not Active	Na	pH
13	409m W	Swayne & Partners	Not Active	Na	pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	19

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 45 >**

ID	Location	Details	
B	27m NW	Incident Date: 22/11/2002 Incident Identification: 122555 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	75m N	Incident Date: 07/04/2007 Incident Identification: 483319 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
B	80m N	Incident Date: 01/11/2001 Incident Identification: 41066 Pollutant: Specific Waste Materials Pollutant Description: Organic Chemical Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
B	80m N	Incident Date: 01/11/2001 Incident Identification: 41066 Pollutant: Specific Waste Materials Pollutant Description: Organic Chemical Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	83m N	Incident Date: 18/10/2017 Incident Identification: 1562512 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	83m N	Incident Date: 05/08/2014 Incident Identification: 1265111 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	119m S	Incident Date: 26/07/2002 Incident Identification: 94601 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	131m NE	Incident Date: 27/12/2001 Incident Identification: 49696 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	131m NE	Incident Date: 27/12/2001 Incident Identification: 49696 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	141m NE	Incident Date: 08/11/2002 Incident Identification: 119515 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	141m NE	Incident Date: 08/11/2002 Incident Identification: 119515 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	141m NE	Incident Date: 08/11/2002 Incident Identification: 119515 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials Pollutant Description: Smoke:Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
B	147m NE	Incident Date: 08/11/2002 Incident Identification: 119534 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	332m NW	Incident Date: 03/11/2003 Incident Identification: 199513 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	338m NW	Incident Date: 28/11/2003 Incident Identification: 204103 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	367m NW	Incident Date: 24/09/2002 Incident Identification: 110103 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	433m SE	Incident Date: 10/10/2002 Incident Identification: 113903 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
M	444m NW	Incident Date: 01/04/2003 Incident Identification: 147770 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17	490m SE	Incident Date: 13/11/2003 Incident Identification: 201572 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) 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	**0**

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.

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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.

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

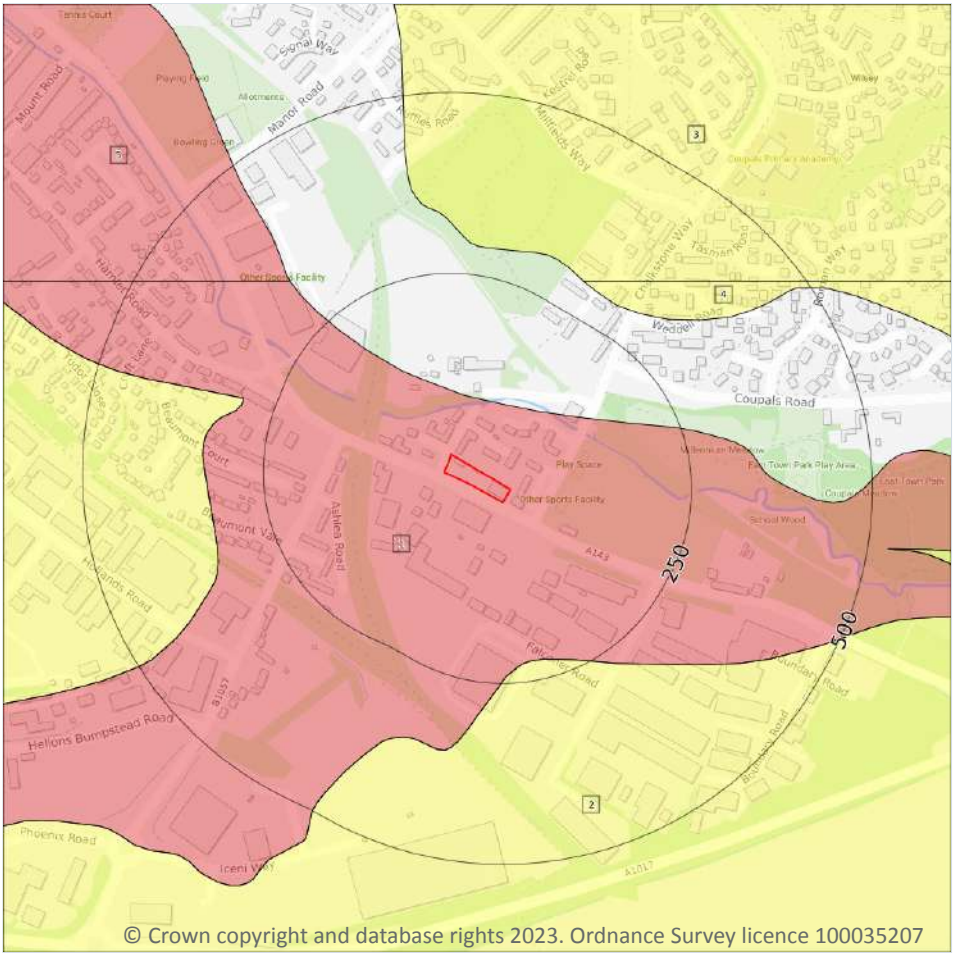
4.21 Pollution inventory radioactive waste

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	5

Aquifer status of groundwater held within superficial geology.

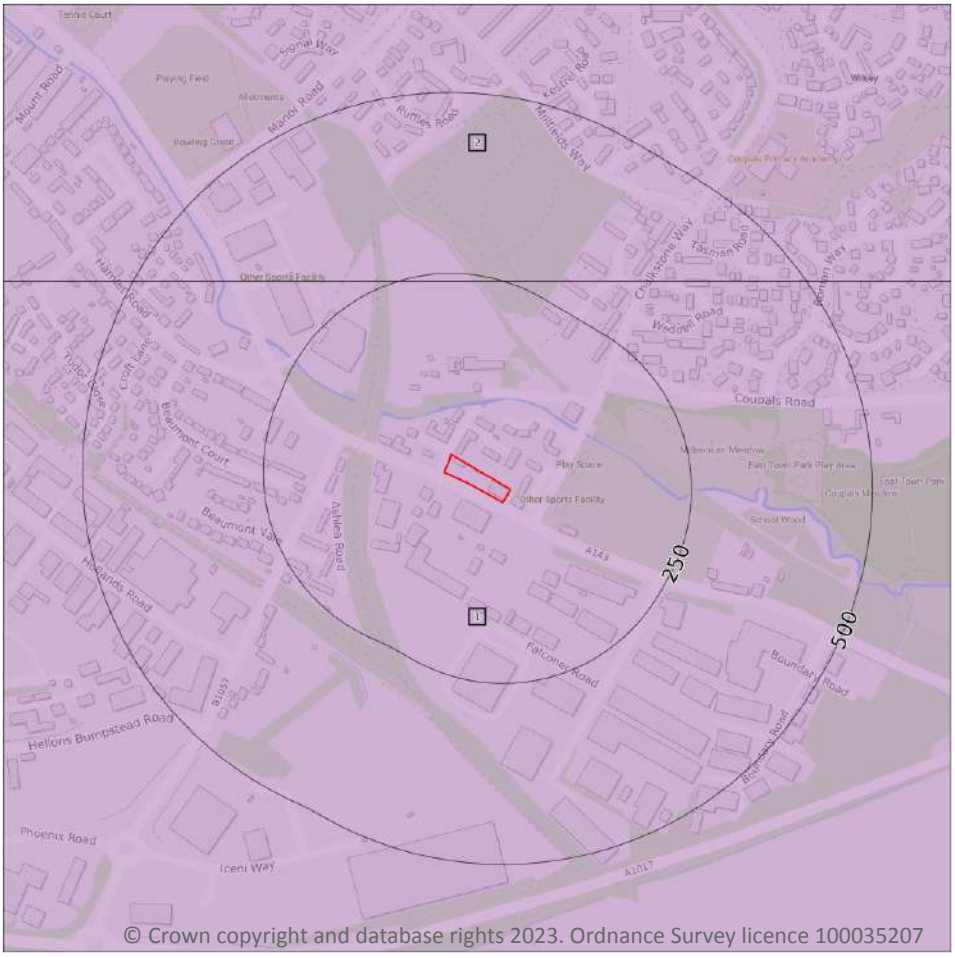
Features are displayed on the Hydrogeology map on **page 69 >**

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	222m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	290m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	294m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	327m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	2

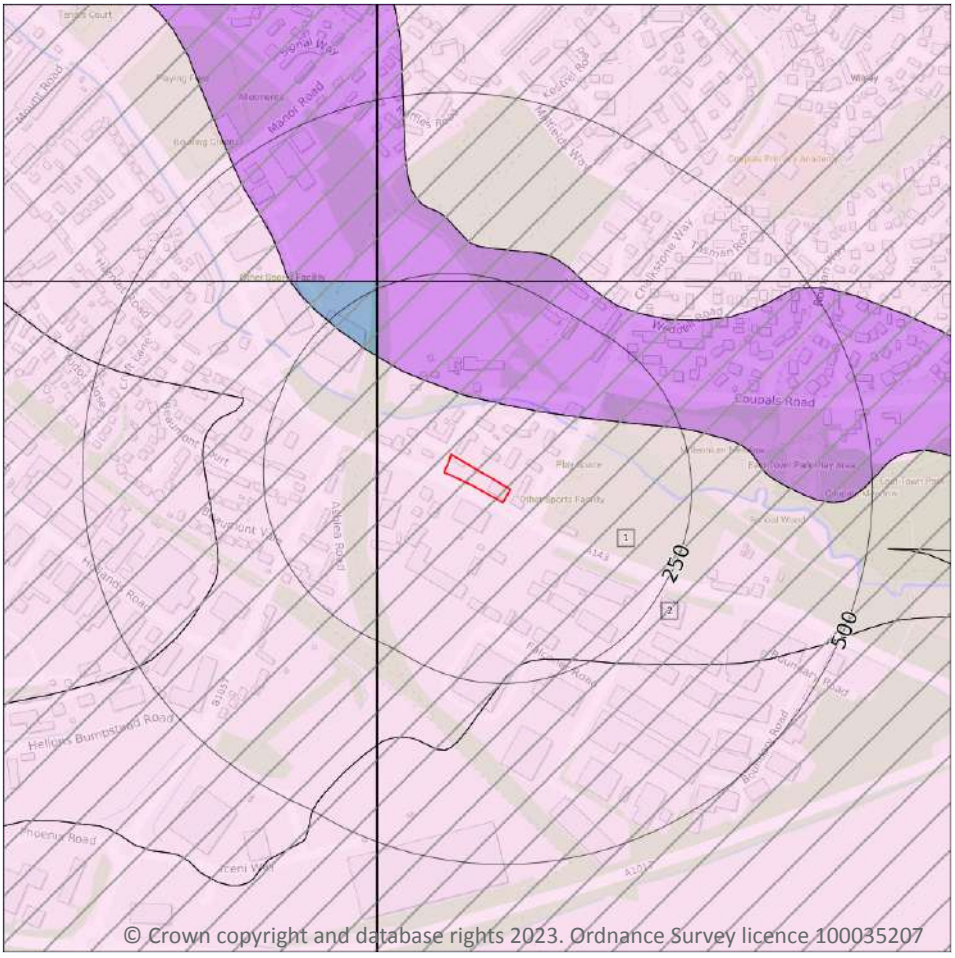
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 71 >**

ID	Location	Designation	Description
1	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
2	240m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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 73 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: High**	**Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures**

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**1**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**10.0%**

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

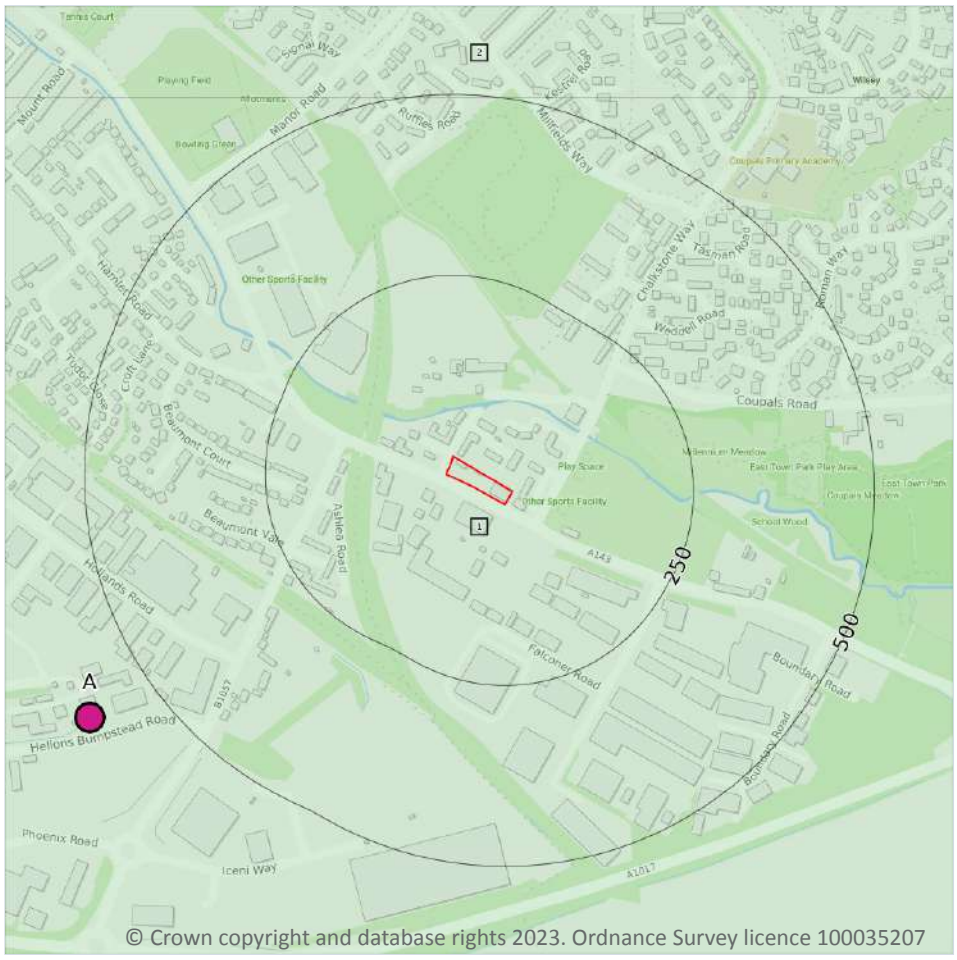
5.5 Groundwater vulnerability- local information

Records on site	**0**

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



5.6 Groundwater abstractions

Records within 2000m	38

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 75 >**

ID	Location	Details	
A	596m SW	Status: Historical Licence No: 8/36/11/*G/0075 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PIPERELL WAY Data Type: Point Name: DELTECH EUROPE LTD Easting: 567600 Northing: 244400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1994 Expiry Date: 31/01/2004 Issue No: 104 Version Start Date: 03/07/2003 Version End Date: -
A	596m SW	Status: Historical Licence No: 8/36/11/*G/0075 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PIPERELL WAY Data Type: Point Name: DELTECH EUROPE LTD Easting: 567600 Northing: 244400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1994 Expiry Date: 31/01/2004 Issue No: 104 Version Start Date: 03/07/2003 Version End Date: -
A	596m SW	Status: Historical Licence No: 8/36/11/*G/0083 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PIPERELL WAY Data Type: Point Name: DELTECH EUROPE LTD Easting: 567600 Northing: 244400	Annual Volume (m^3): 30000 Max Daily Volume (m^3): 91 Original Application No: - Original Start Date: 01/02/2004 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 01/02/2004 Version End Date: -
A	596m SW	Status: Historical Licence No: 8/36/11/*G/0083 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PIPERELL WAY Data Type: Point Name: DELTECH EUROPE LTD Easting: 567600 Northing: 244400	Annual Volume (m^3): 30000 Max Daily Volume (m^3): 91 Original Application No: - Original Start Date: 01/02/2004 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 01/02/2004 Version End Date: -
-	1246m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244826	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -

ID	Location	Details	
-	1246m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244826	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1246m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244826	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1246m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244826	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -

ID	Location	Details	
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1246m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 1 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566850 Northing: 244830	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -

ID	Location	Details	
-	1293m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 1, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1293m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 1, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1293m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 1, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1293m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 1, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -

ID	Location	Details	
-	1294m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 2, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1294m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 2, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1294m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 2, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1294m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: I.F.F. BORE 2, HAVERHILL Data Type: Point Name: INTERNATIONAL FLAVOURS & FRAGRANCES LTD Easting: 566800 Northing: 244800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -

ID	Location	Details	
-	1296m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566797 Northing: 244723	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1296m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566797 Northing: 244723	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1296m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566797 Northing: 244723	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1296m W	Status: Active Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566797 Northing: 244723	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: NPS/WR/030457 Original Start Date: 20/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 02/03/2020 Version End Date: -
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -

ID	Location	Details	
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2005 Version End Date: -
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Boiler Feed Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Non-Evaporative Cooling Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -

ID	Location	Details	
-	1303m W	Status: Historical Licence No: 8/36/11/*G/0001 Details: Process Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE 2 DUDDERY HILL HAVERHILL Data Type: Point Name: IFF (GREAT BRITAIN) LTD Easting: 566790 Northing: 244720	Annual Volume (m^3): 180000 Max Daily Volume (m^3): 720 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 29/03/2016 Version End Date: -
-	1327m NW	Status: Historical Licence No: 8/36/11/*G/0002 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT HAVERHILL Data Type: Point Name: INNISFAIL LAUNDRY LTD Easting: 567000 Northing: 245500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1997 Version End Date: -
-	1624m SW	Status: Historical Licence No: 8/36/11/*G/0042 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: MOON HALL, HAVERHILL. Data Type: Point Name: CARTER Easting: 566700 Northing: 243900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1994 Version End Date: -
-	1674m SE	Status: Historical Licence No: 8/36/11/*G/0057 Details: Conveying Materials Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WATER LANE, STURMER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 569700 Northing: 244000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1967 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2000 Version End Date: -
-	1674m SE	Status: Historical Licence No: 8/36/11/*G/0057 Details: Process water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WATER LANE, STURMER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 569700 Northing: 244000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1967 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2000 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0

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

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	2

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 75 >**

ID	Location	Type	Description
1	**On site**	**3**	**Total catchment**
2	495m N	3	Total catchment

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

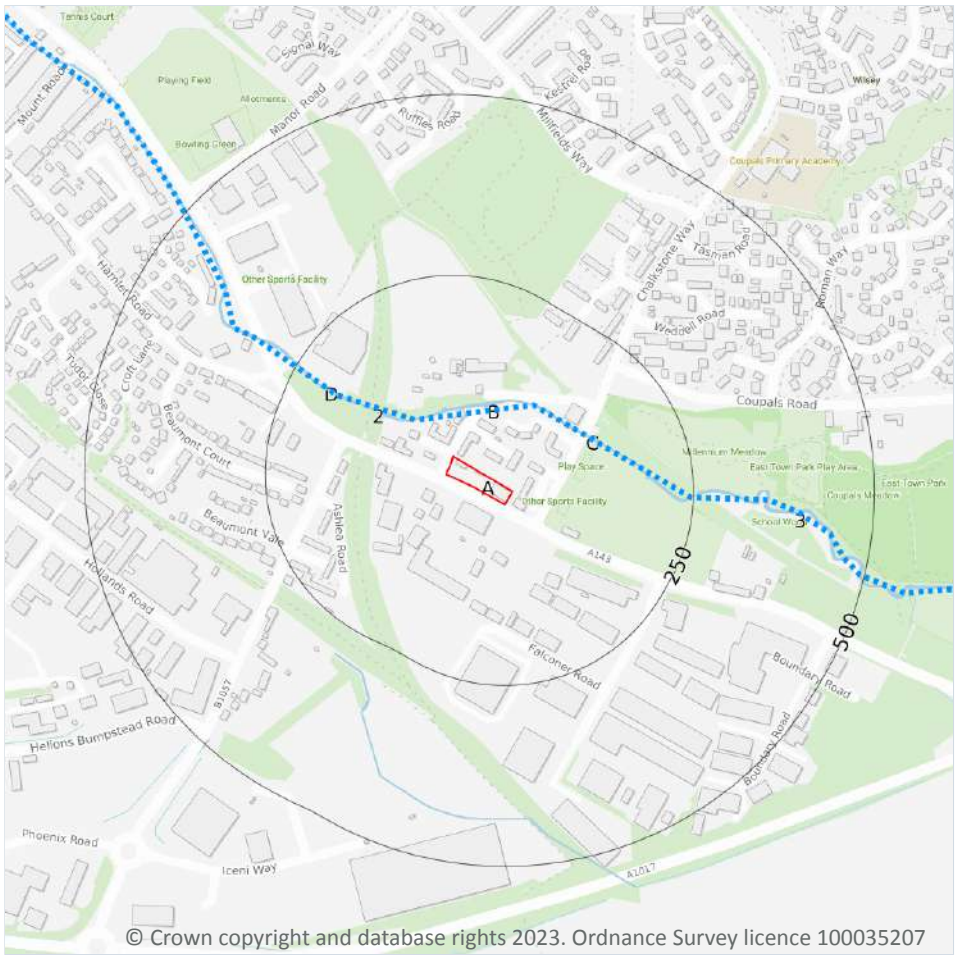
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	9

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 85 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	63m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
2	108m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Stour Brook
C	123m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook
C	129m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook
C	135m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	135m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook
D	154m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook
C	184m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	190m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Stour Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**3**

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 85 >**

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 85 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Stour Brook**	**GB105036040950**	**Stour OC**	**Essex Combined**

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 85 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	56m NW	River	Stour Brook	GB105036040950 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1

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

Features are displayed on the Hydrology map on **page 85 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**North Essex Chalk**	**GB40501G400700** ↗	**Poor**	**Poor**	**Poor**	**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 89 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	**On site**	**1968 September Flood Outline**	**1968-01-12 1968-01-15**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
11	166m NE	1968 September Flood Outline	1968-01-12 1968-01-15	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.

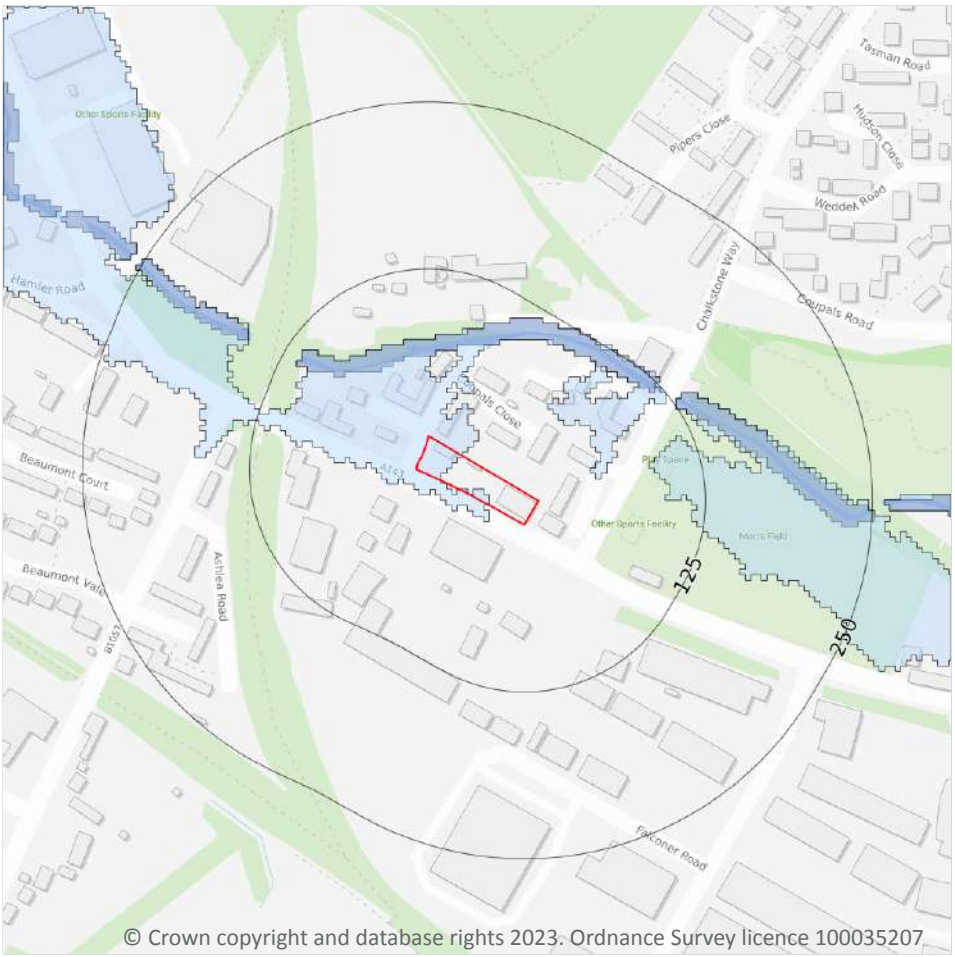
7.5 Flood Storage Areas

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



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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.

Features are displayed on the River and coastal flooding map on **page 89 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

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

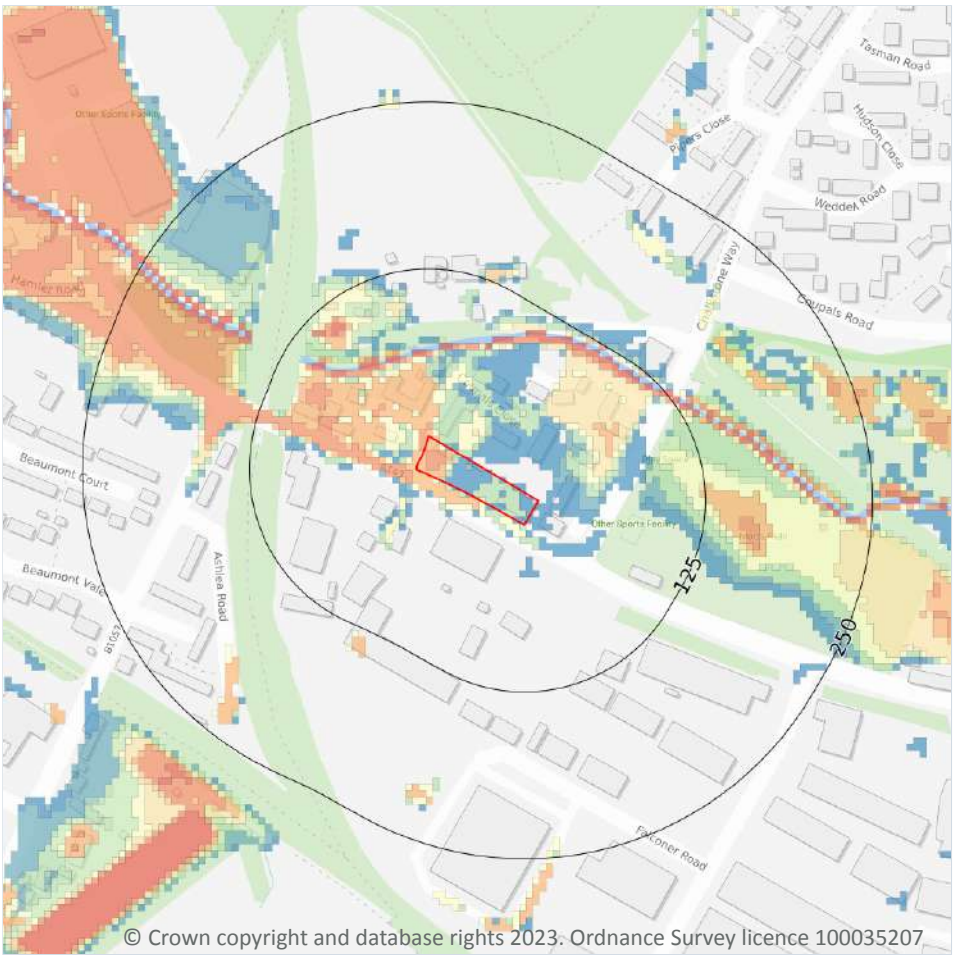
7.7 Flood Zone 3

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 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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 94 >**

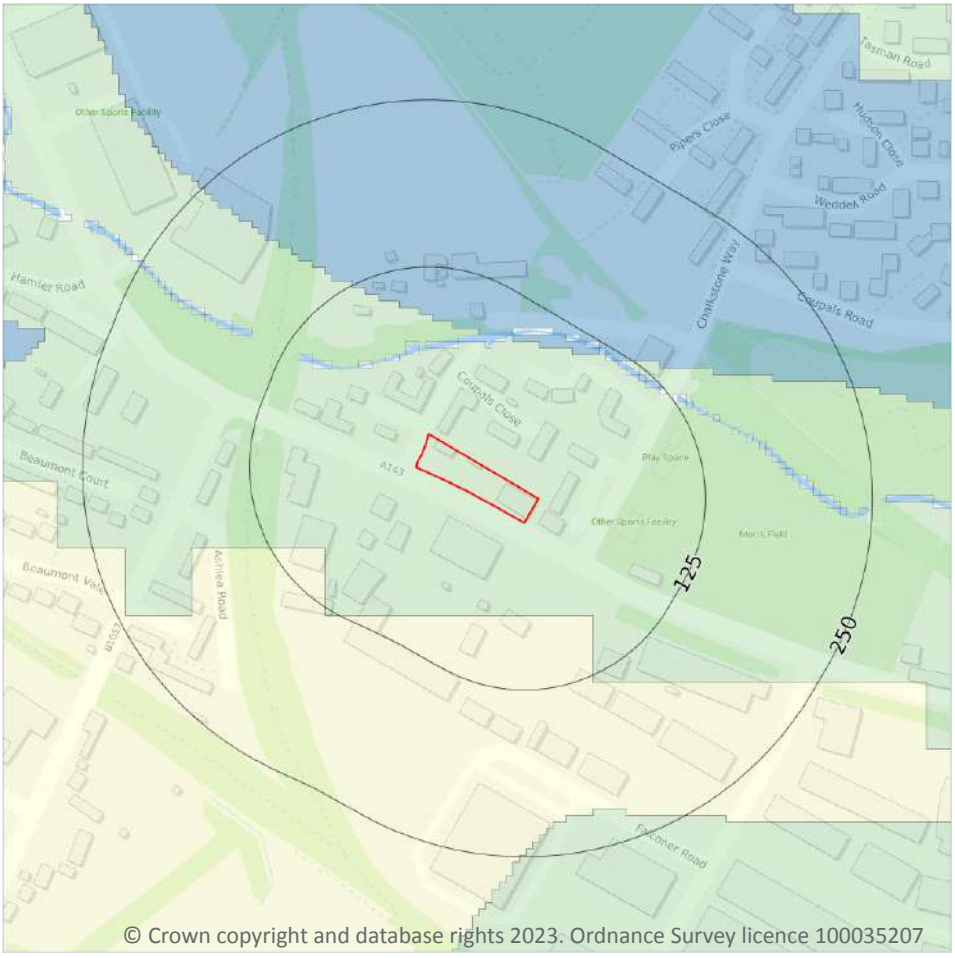
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

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

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

Features are displayed on the Groundwater flooding map on **page 96 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

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	7

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

Features are displayed on the Environmental designations map on **page 97 >**

ID	Location	Name	Data source
1	100m W	Haverhill Railway Walks	Natural England
2	100m W	Haverhill Railway Walks	Natural England
3	171m NE	Haverhill Railway Walks	Natural England
4	282m SW	Haverhill Railway Walks	Natural England
5	531m NW	Haverhill Railway Walks	Natural England
7	1082m NW	Haverhill Railway Walks	Natural England
10	1459m NW	Haverhill Railway Walks	Natural England

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 97 >**

ID	Location	Name	Woodland Type
6	1069m S	Greatley And Garlands Woods	Ancient & Semi-Natural Woodland
-	1393m S	Unknown	Ancient & Semi-Natural Woodland
-	1401m SE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	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	4

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	**Lower Stour NVZ**	**Surface Water**	**424**	**Existing**

Location	Name	Type	NVZ ID	Status
On site	**Sandlings and Chelmsford**	**Groundwater**	**78**	**Existing**
1221m N	Lower Stour NVZ	Surface Water	424	Existing
1221m N	Sandlings and Chelmsford	Groundwater	78	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 103 >**

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 > 750m², manure stores > 3500t.**

This data is sourced from Natural England.

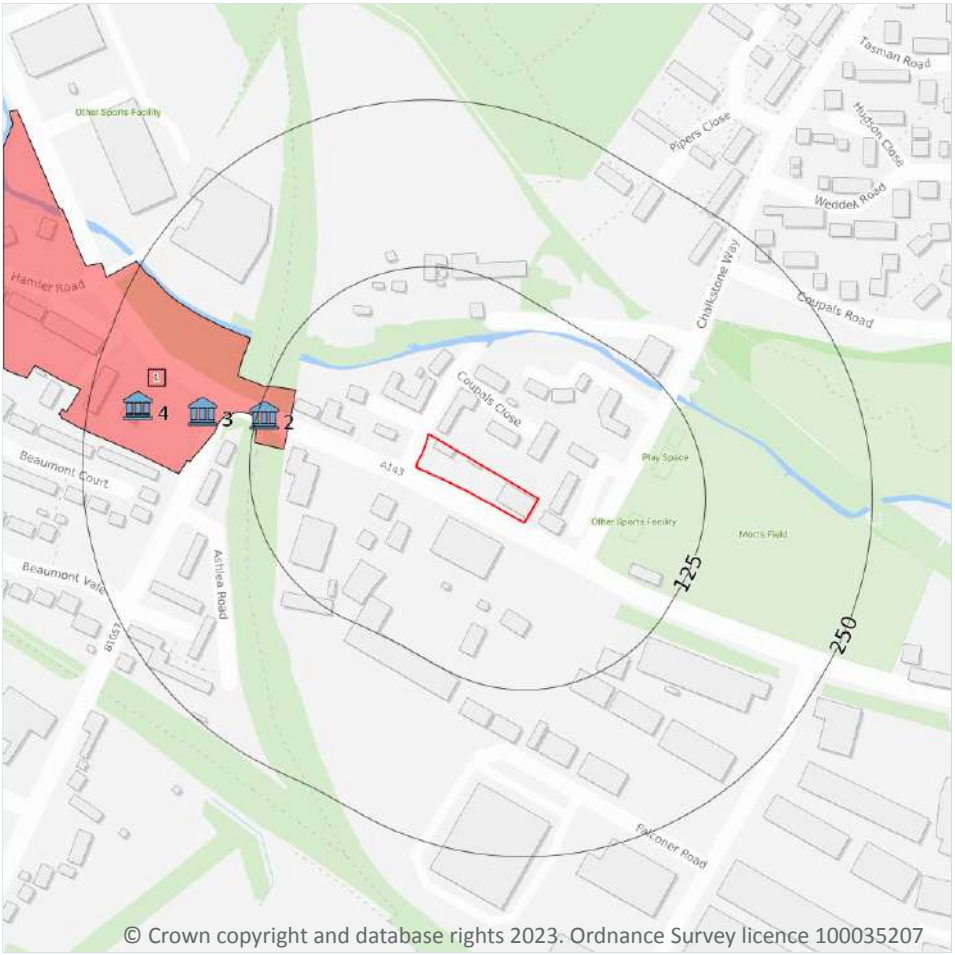
10.18 SSSI Units

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



Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

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	3

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.

Features are displayed on the Visual and cultural designations map on **page 105 >**

ID	Location	Name	Grade	Reference Number	Listed date
2	120m W	The Sturmer Arches	II	1375527	09/05/1973
3	165m W	Wall Approximately 40 Metres East Of Vale Place	II	1375529	09/05/1973
4	213m W	Vale Place	II	1375528	26/06/1952

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

11.5 Conservation Areas

Records within 250m	1

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.

Features are displayed on the Visual and cultural designations map on **page 105 >**

ID	Location	Name	District	Date of designation
1	100m W	Haverhill, Hamlet Road	St. Edmundsbury	22/07/2002

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.

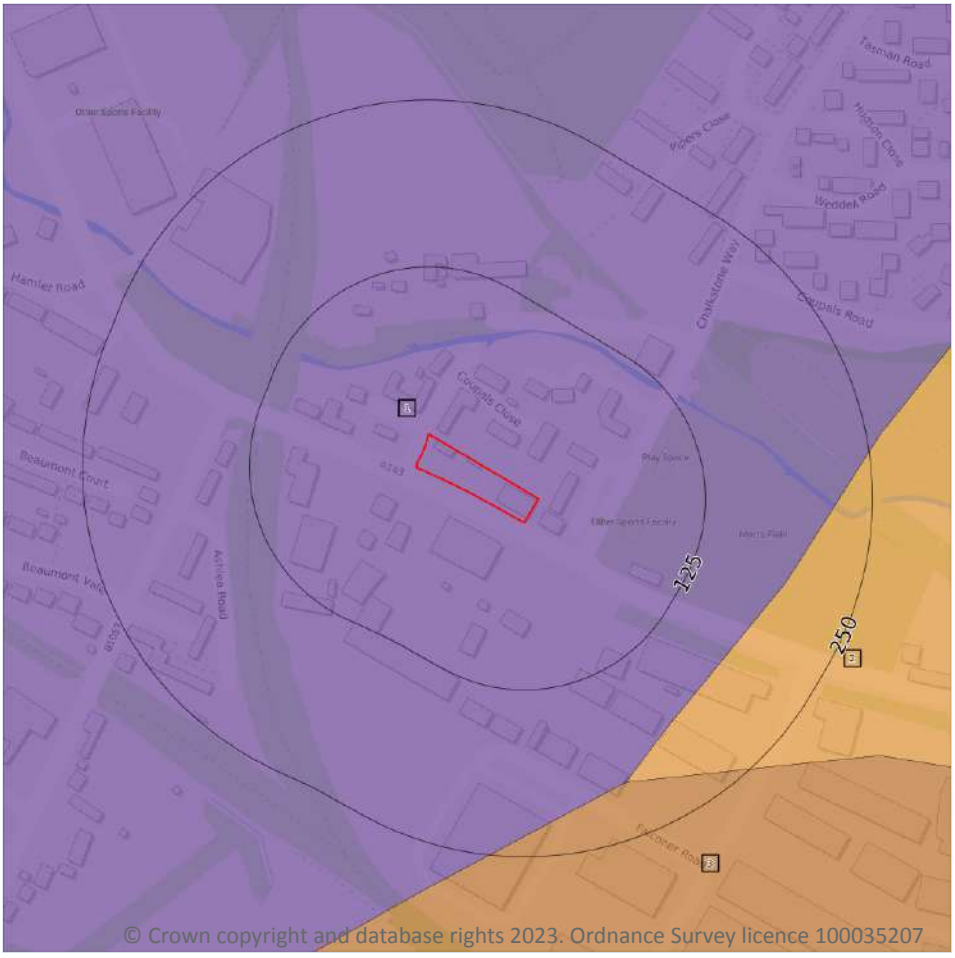
11.7 Registered Parks and Gardens

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	3

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 108 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**-**
2	180m SE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
3	209m SE	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

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.

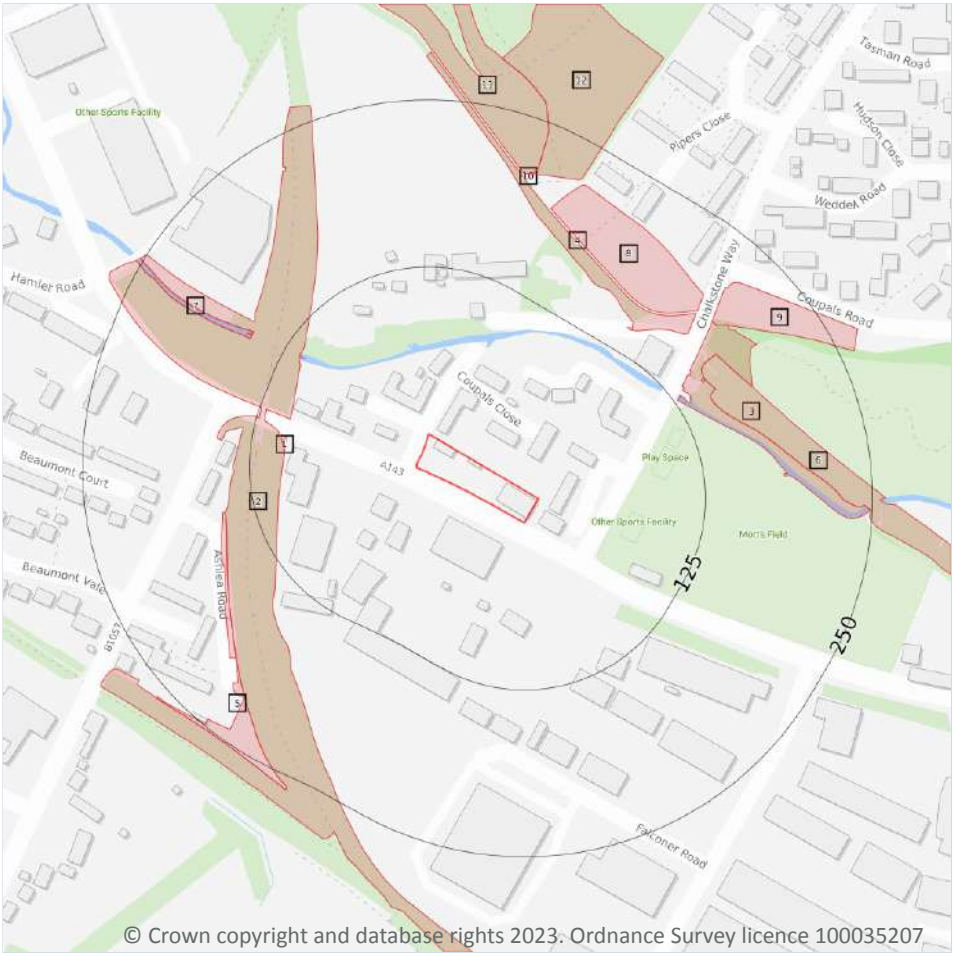
12.5 Countryside Stewardship Schemes

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



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	12

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

Features are displayed on the Habitat designations map on **page 111 >**

ID	Location	Main Habitat	Other habitats
1	99m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	100m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	128m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	144m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	147m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	149m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
7	151m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	164m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	186m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	205m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
11	208m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
12	210m N	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%)

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

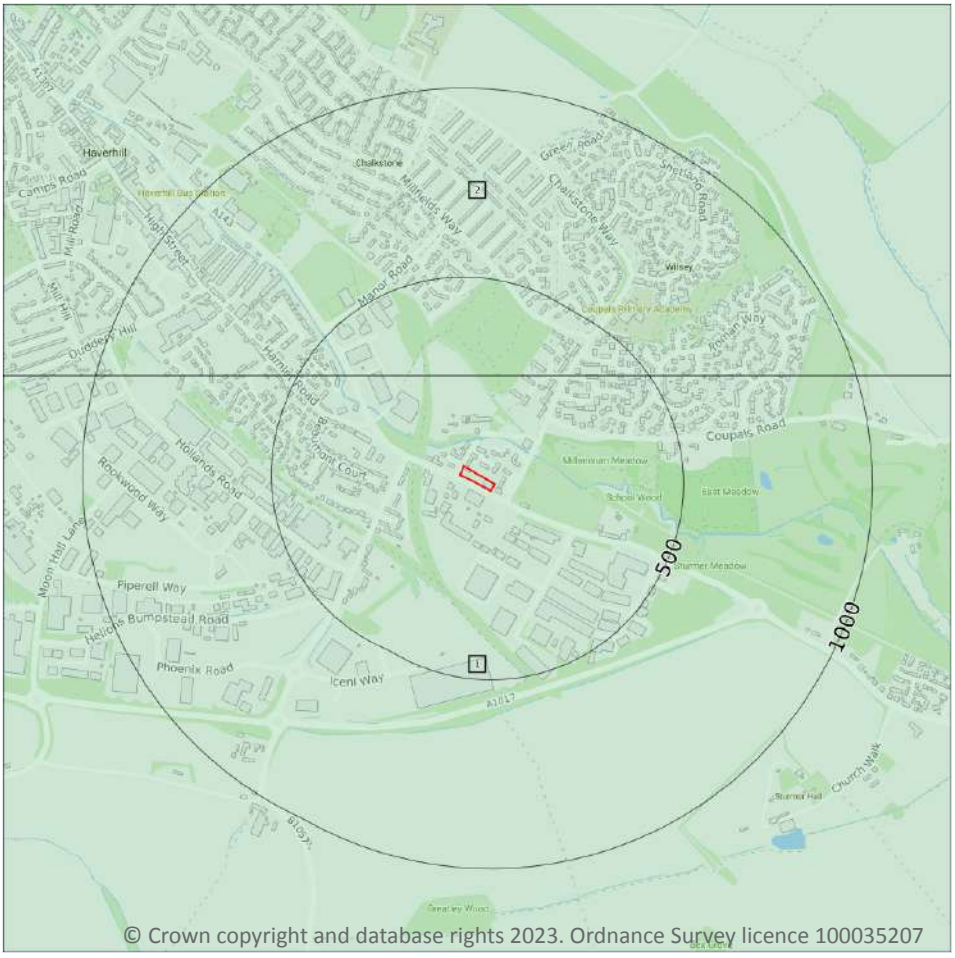
Records within 250m	0

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 114 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**TL64SE**
2	240m N	Full	Full	Full	No coverage	TL64NE

This data is sourced from the British Geological Survey.

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

Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	3

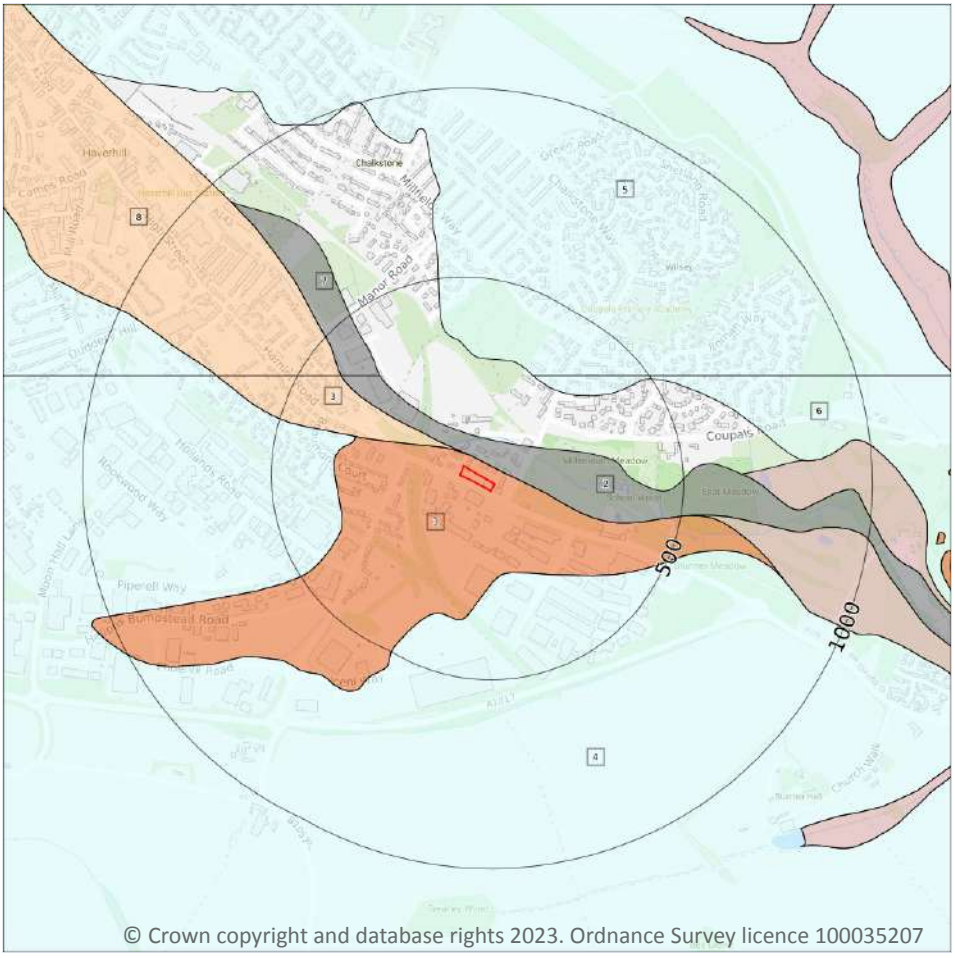
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 115 >**

ID	Location	LEX Code	Description	Rock description
1	78m NW	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
2	149m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	240m N	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **8**

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

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

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LOFT-XSV**	**Lowestoft Formation - Sand And Gravel**	**Sand And Gravel**
2	32m N	ALV-CZ	Alluvium - Silty Clay	Clay, Silty
3	32m N	RTDU-XSV	River Terrace Deposits (undifferentiated) - Sand And Gravel	Sand And Gravel
4	222m S	LOFT-DMTN	Lowestoft Formation - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
5	289m N	LOFT-DMTN	Lowestoft Formation - Diamicton	Diamicton
6	294m NE	LOFT-DMTN	Lowestoft Formation - Diamicton	Diamicton
7	327m NW	ALV-CZ	Alluvium - Silty Clay	Clay, Silty
8	403m NW	RTDU-XSV	River Terrace Deposits (undifferentiated) - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

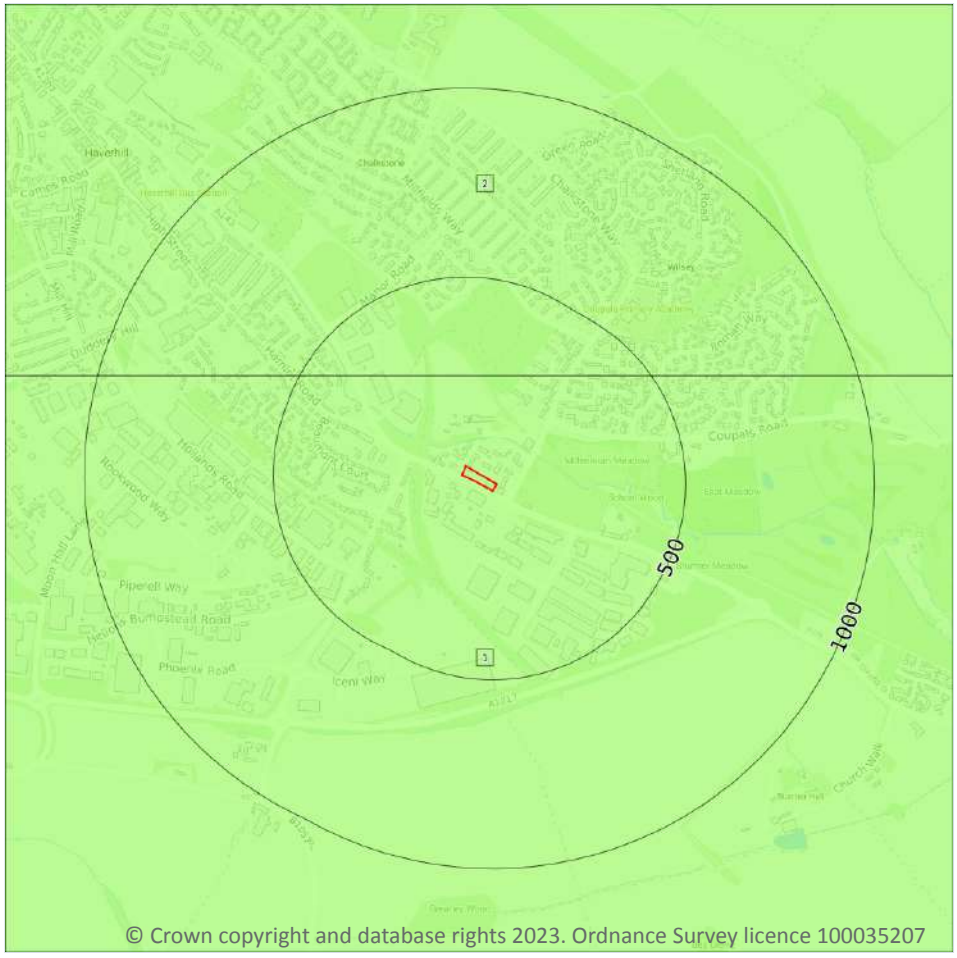
14.4 Landslip (10k)

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 **2**

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

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

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LESE-CHLK**	**Lewes Nodular Chalk Formation And Seaford Chalk Formation (undifferentiated) - Chalk**	**Santonian Age - Turonian Age**
2	240m N	LESE-CHLK	Lewes Nodular Chalk Formation And Seaford Chalk Formation (undifferentiated) - Chalk	Santonian Age - Turonian Age

This data is sourced from the British Geological Survey.

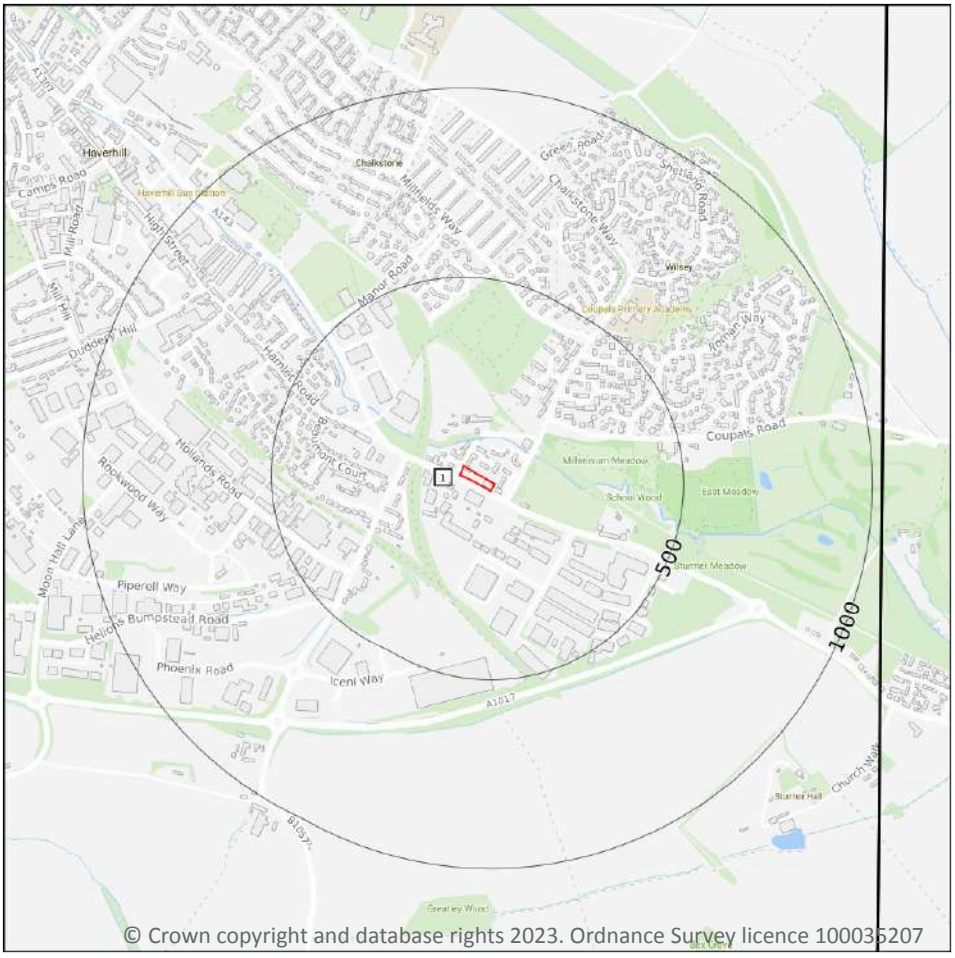
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

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

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

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**EW205_saffron_walden_v4**

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

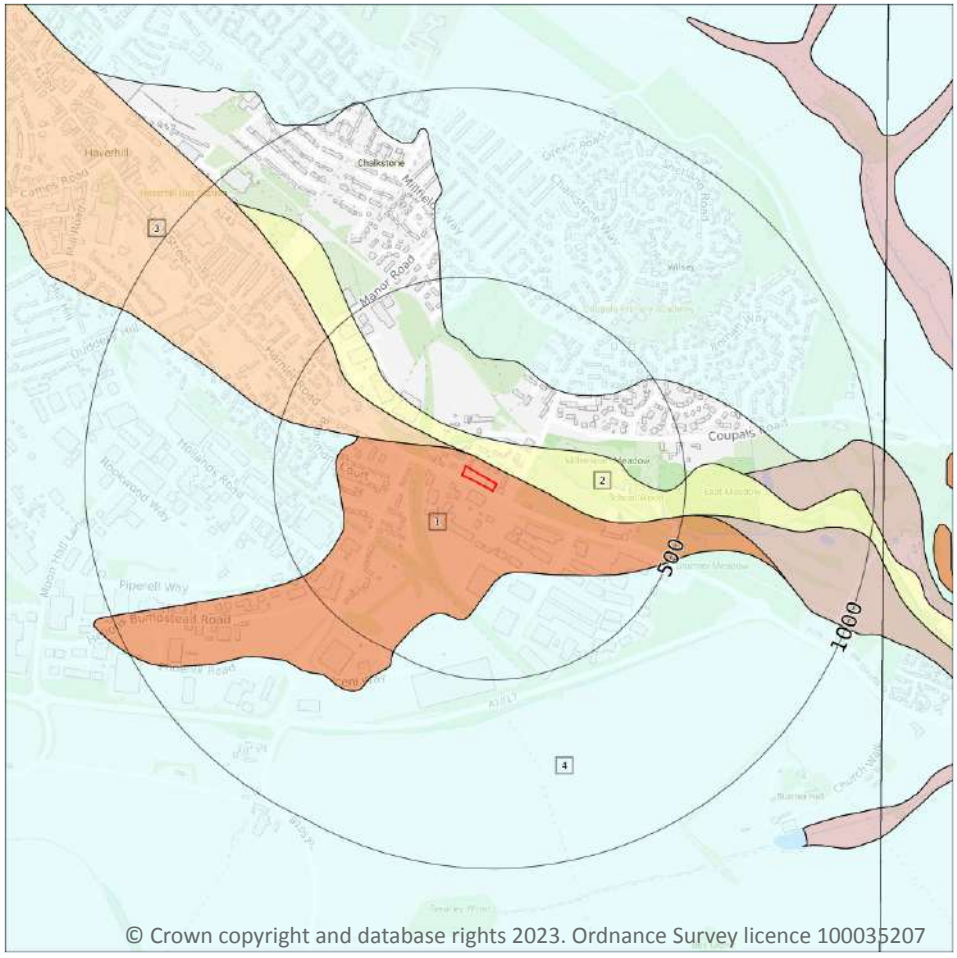
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m **4**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 122 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LOFT-XSV**	**LOWESTOFT FORMATION**	**SAND AND GRAVEL**
2	33m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	33m N	RTDU-XSV	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL
4	222m S	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**3**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**
33m N	Intergranular	High	Very Low
33m N	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

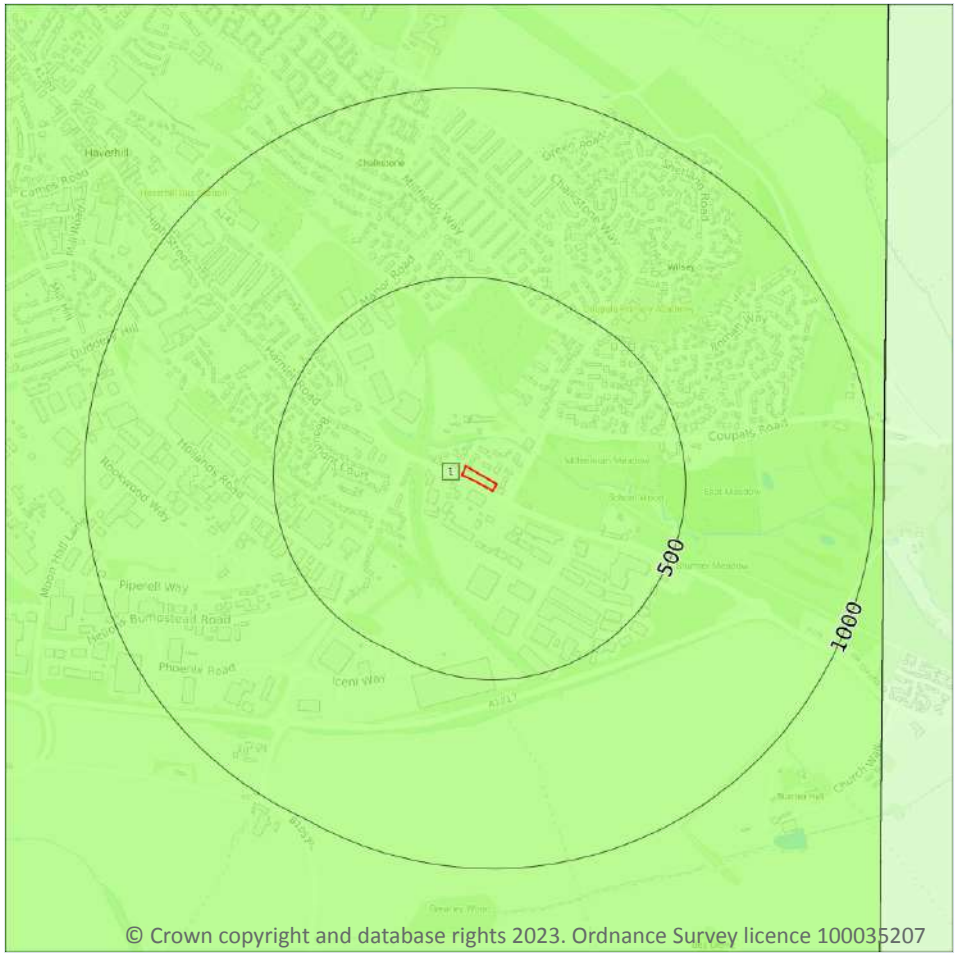
15.7 Landslip permeability (50k)

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **1**

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 124 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LESE-CHLK**	**LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK**	**TURONIAN**

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Very High**	**Very High**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

16 Boreholes

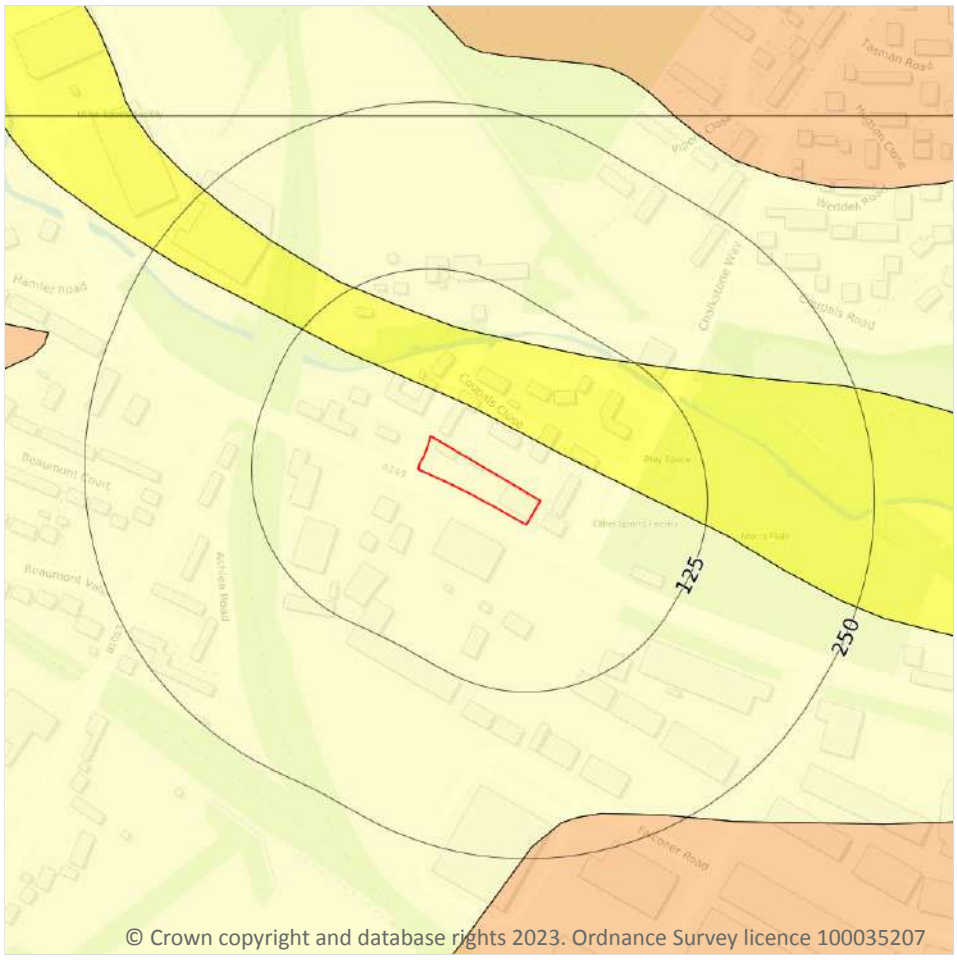
16.1 BGS Boreholes

Records within 250m	0

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

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

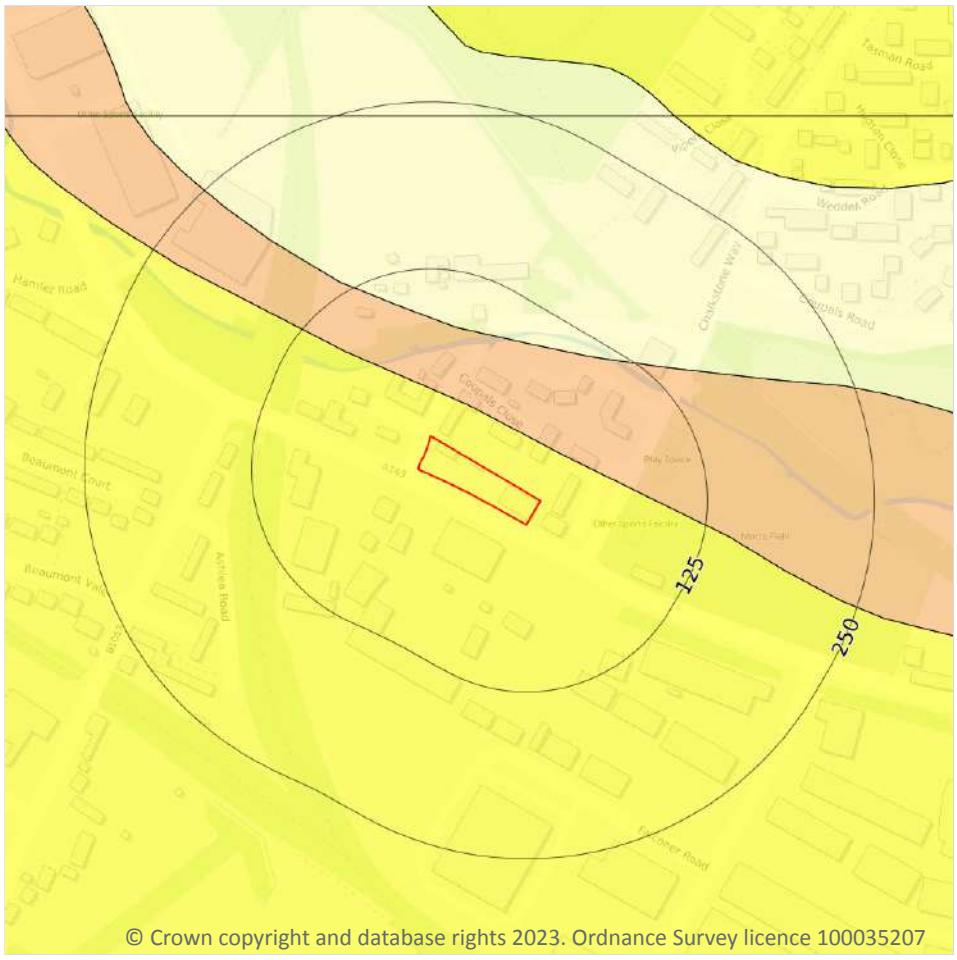
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 127 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
33m N	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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

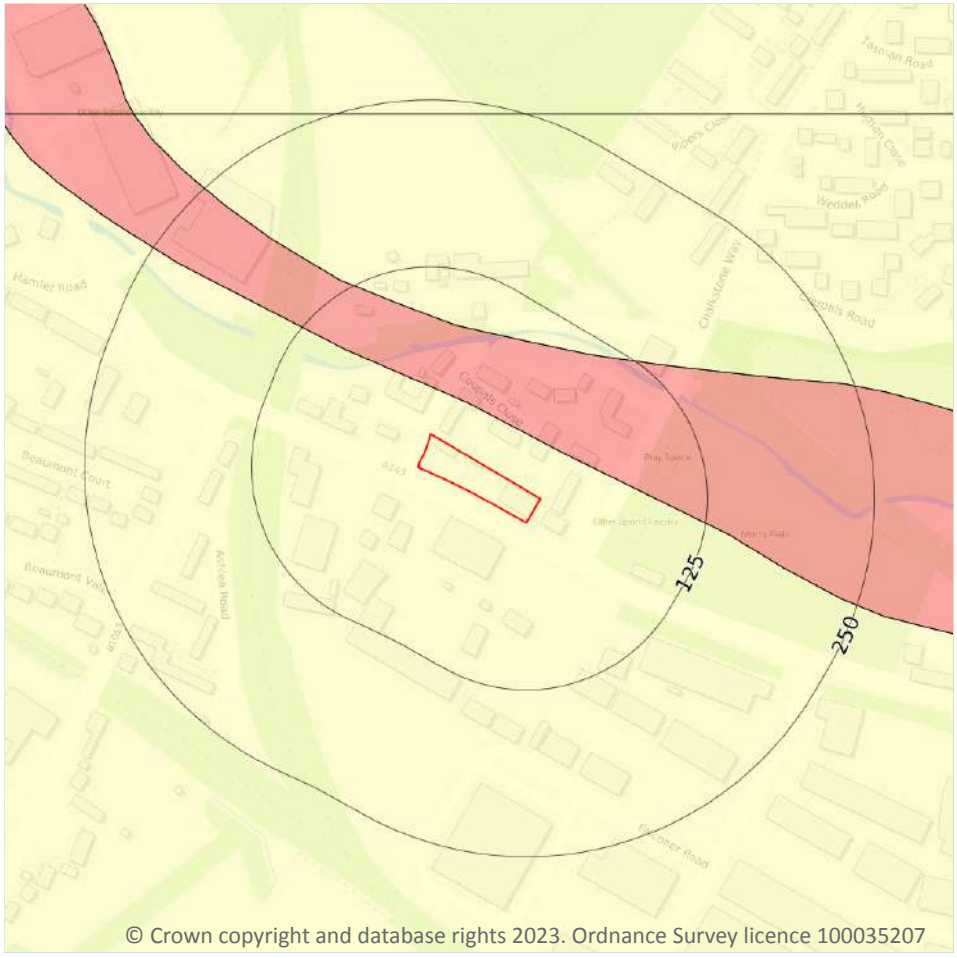
Features are displayed on the Natural ground subsidence - Running sands map on **page 128 >**

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.**

Location	Hazard rating	Details
33m N	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

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

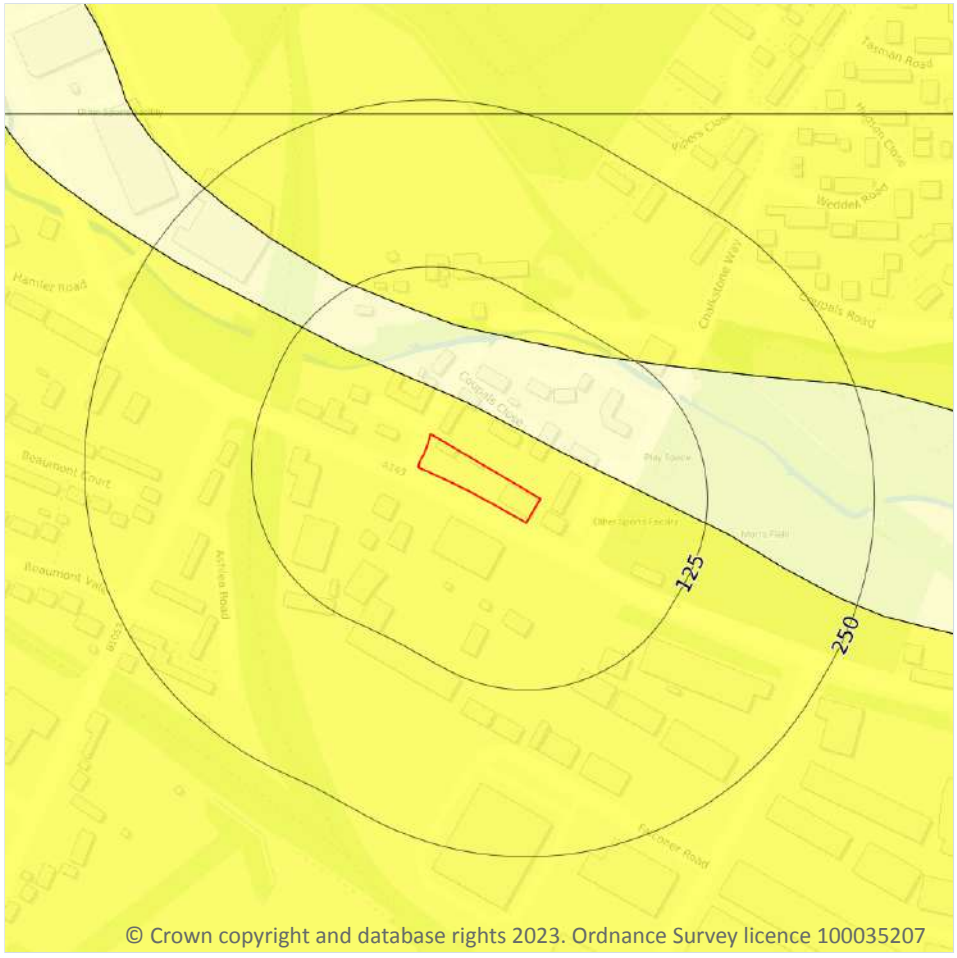
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 130 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
33m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	2

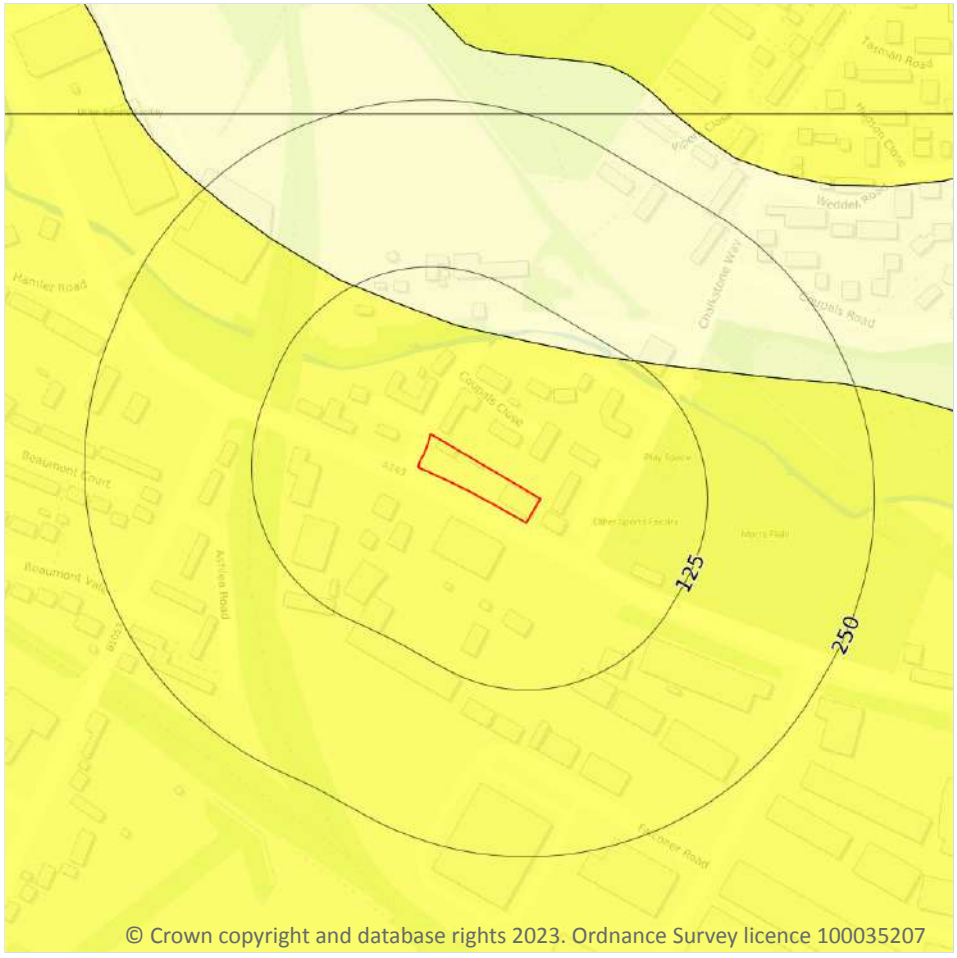
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
33m N	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

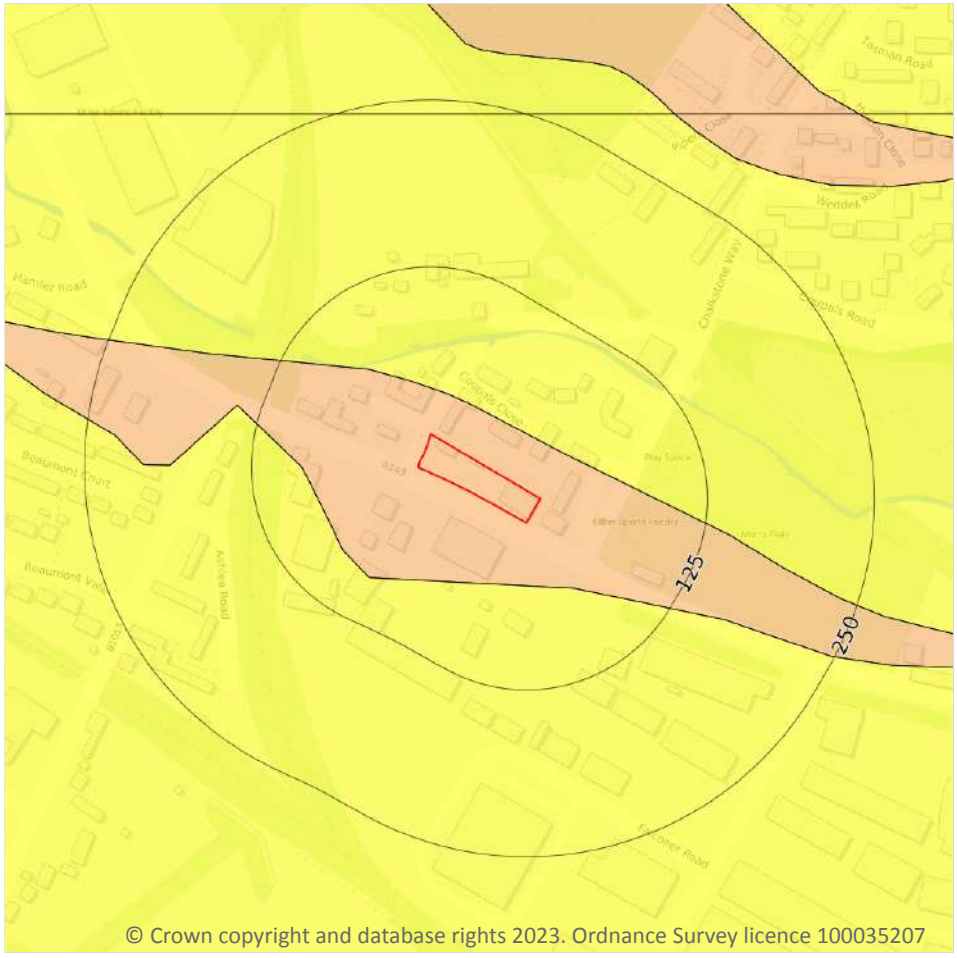
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 133 >**

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



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	2

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

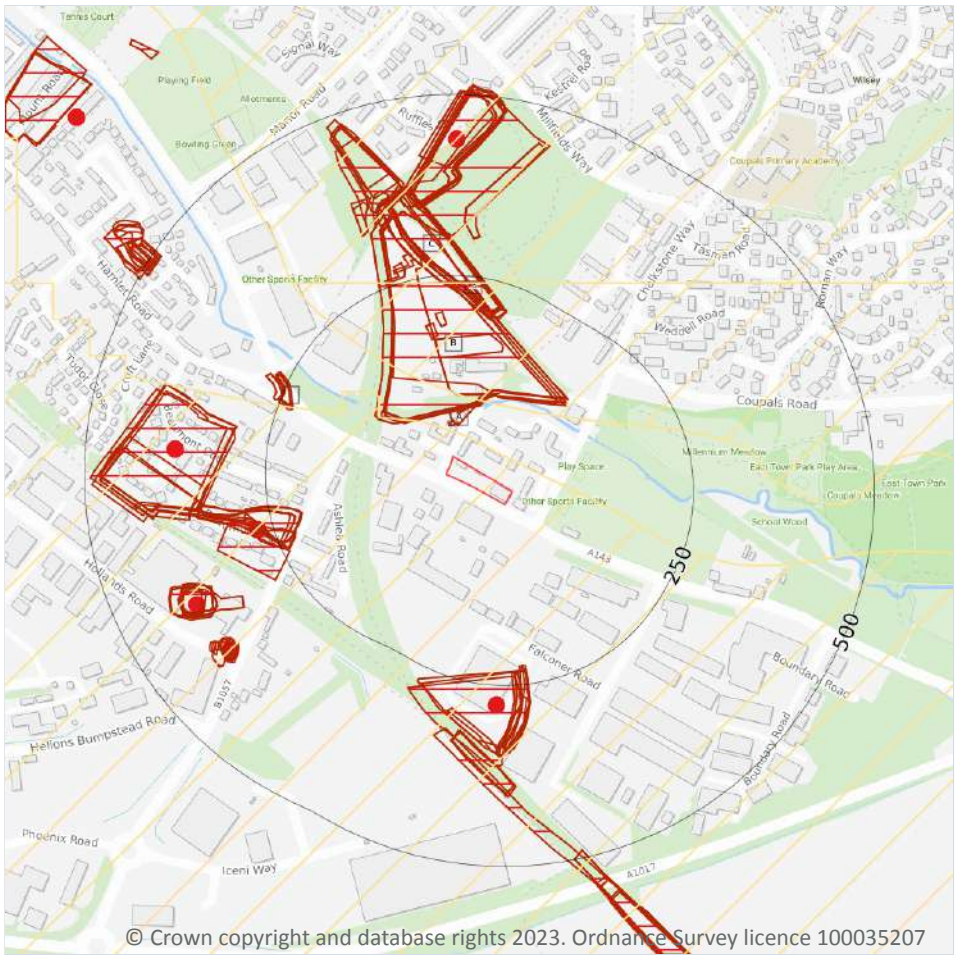
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 134 >**

Location	Hazard rating	Details
On site	**Low**	**Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.**

Location	Hazard rating	Details
33m N	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

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 BritPits

Records within 500m	6

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.

Features are displayed on the Mining and ground workings map on **page 136 >**

ID	Location	Details	Description
D	272m W	Name: Haverhill Brick Works Address: HAVERHILL, Suffolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	277m S	Name: Haverhill Brick Works Address: HAVERHILL, Suffolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	376m W	Name: Haverhill Brick Works Address: HAVERHILL, Suffolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	385m SW	Name: Haverhill Brick Works Address: HAVERHILL, Suffolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	389m SW	Name: Haverhill Brick Works Address: HAVERHILL, Suffolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	438m N	Name: Chalkstone Hill Pit Address: HAVERHILL, Suffolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	50

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 and ground workings map on **page 136 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	43m NW	Sewage Tank	1924	1:10560
B	43m N	Sewage Farm	1905	1:10560
A	60m N	Sewage Tank	1905	1:10560
B	61m NW	Sewage Farm	1896	1:10560
B	61m NW	Sewage Farm	1946	1:10560
B	61m NW	Sewage Farm	1924	1:10560
B	63m NW	Sewage Farm	1938	1:10560
B	65m NW	Sewage Farm	1949	1:10560
B	65m NW	Sewage Farm	1949	1:10560
B	102m N	Sewage Farm	1899	1:10560
B	138m N	Pond	1970	1:10560
B	164m N	Sewage Tanks	1924	1:10560
B	180m N	Sewage Tanks	1905	1:10560
C	196m N	Cuttings	1946	1:10560
C	196m N	Cuttings	1924	1:10560
C	198m N	Cuttings	1899	1:10560
C	199m N	Cuttings	1877	1:10560
C	200m N	Cuttings	1938	1:10560
C	203m N	Cuttings	1905	1:10560
C	203m N	Cuttings	1896	1:10560
C	205m N	Cuttings	1949	1:10560
D	206m W	Unspecified Pit	1938	1:10560
3	207m N	Cuttings	1970	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
D	208m W	Unspecified Pit	1949	1:10560
D	208m W	Unspecified Pit	1949	1:10560
D	209m W	Unspecified Pit	1905	1:10560
D	217m W	Unspecified Pit	1946	1:10560
D	217m W	Unspecified Pit	1924	1:10560
D	223m W	Unspecified Pit	1970	1:10560
D	223m W	Clay Pit	1896	1:10560
E	223m S	Unspecified Ground Workings	1938	1:10560
D	224m W	Clay Pit	1899	1:10560
E	225m S	Unspecified Ground Workings	1949	1:10560
E	225m S	Unspecified Ground Workings	1949	1:10560
F	230m W	Pond	1899	1:10560
F	230m W	Pond	1877	1:10560
F	231m W	Pond	1896	1:10560
E	231m S	Old Clay Pit	1899	1:10560
E	232m S	Old Clay Pit	1896	1:10560
E	233m S	Unspecified Ground Workings	1970	1:10560
E	234m S	Unspecified Ground Workings	1946	1:10560
E	238m S	Unspecified Pit	1924	1:10560
C	239m N	Cuttings	1959	1:10560
C	240m N	Sewage Works	1991	1:10000
C	240m N	Sewage Works	1979	1:10000
D	240m W	Brick Field	1877	1:10560
C	241m N	Cuttings	1971	1:10000
C	241m N	Cuttings	1967	1:10560
F	249m NW	Pond	1946	1:10560
F	249m NW	Pond	1924	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from 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	3

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 and ground workings map on **page 136 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Chalk**	**A**	**Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**

ID	Location	Name	Commodity	Class	Likelihood
2	84m N	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	240m N	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 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.

18.13 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.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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 Ground cavities and sinkholes

19.1 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.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

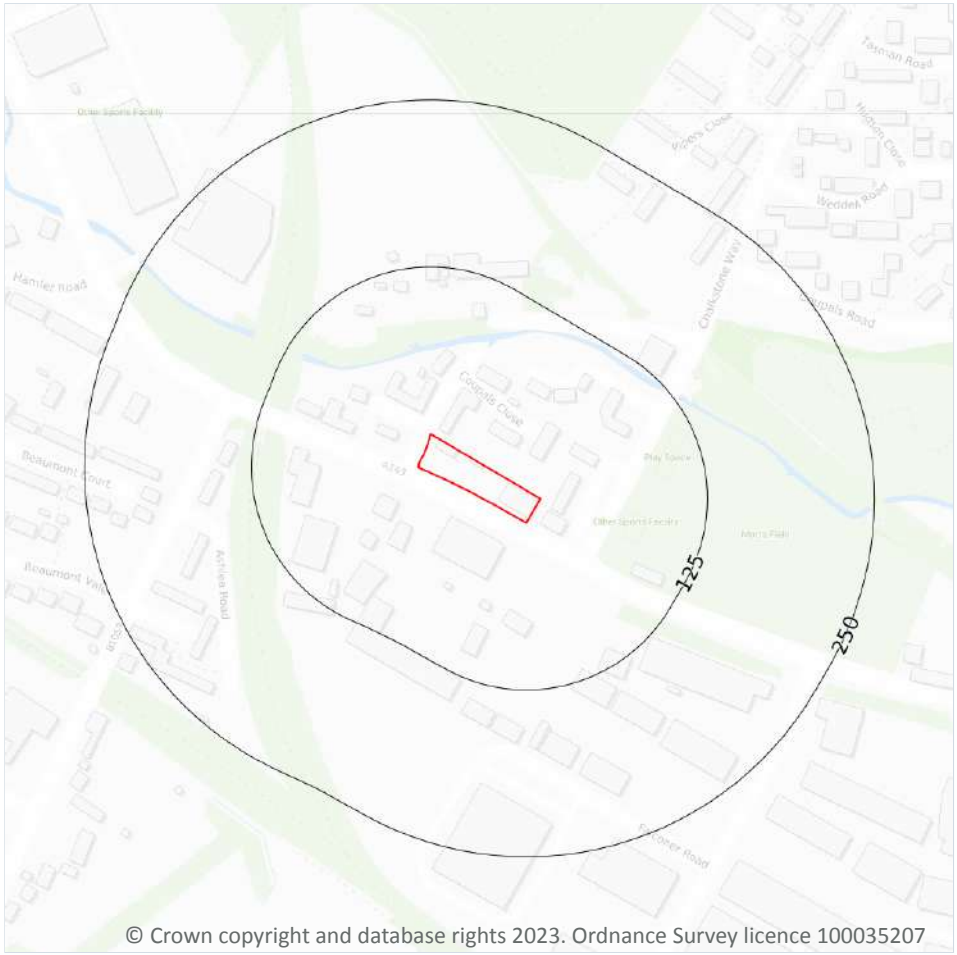
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.

20 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%

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 146 >**

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

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
33m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
33m N	15 - 25 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.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

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

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	4

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 149 >**

Location	Land Use	Year of mapping	Mapping scale
235m SW	Railway	1904	-
239m N	Railway Sidings	1959	10560
240m N	Railway Sidings	1967	10560
240m N	Railway Sidings	1971	10000

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.

22.6 Historical railways

Records within 250m	8

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

Features are displayed on the Railway infrastructure and projects map on **page 149 >**

Location	Description
120m W	Abandoned
120m W	Abandoned
126m NW	Abandoned
152m NE	Abandoned
154m E	Abandoned
162m NE	Abandoned
224m N	Abandoned
250m E	Abandoned

This data is sourced from OpenStreetMap.

22.7 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.

22.8 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.

22.9 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.

22.10 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 ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: https://www.groundsure.com/terms-and-conditions-april-2023/ ↗.

Appendix G Chemical Analysis Certificates

Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

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SLR Consulting Ltd
28 Mill Barn
Turkey Mill
Maidstone
United Kingdom
ME14 5PP

Attention :	Dominic Goodchild-James
Date :	28th November, 2023
Your reference :	427.009895.00001
Our reference :	Test Report 23/19430 Batch 1
Location :	MFG Haverhill
Date samples received :	18th November, 2023
Status :	Final Report
Issue :	1

Three samples were received for analysis on 18th November, 2023 of which three were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 2.824 kg of CO2

Scope 1&2&3 emissions - 6.673 kg of CO2

Authorised By:

Paul Boden BSc
Senior Project Manager

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 427.009895.00001
Location: MFG Haverhill
Contact: Dominic Goodchild-James
EMT Job No: 23/19430

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-3	4-6	7-9								LOD/LOR	Units	Method No.
Sample ID	MW103	MW104B	MW102B										
Depth	2.481	2.510	2.462										
COC No / misc													
Containers	V G	V G	V G										
Sample Date	16/11/2023	16/11/2023	16/11/2023										
Sample Type	Ground Water	Ground Water	Ground Water										
Batch Number	1	1	1										
Date of Receipt	18/11/2023	18/11/2023	18/11/2023										
Methyl Tertiary Butyl Ether #	0.0006	<0.0001	<0.0001								<0.0001	mg/l	TM15/PM10
Benzene #	<0.0005	<0.0005	<0.0005								<0.0005	mg/l	TM15/PM10
Toluene #	<0.005	<0.005	<0.005								<0.005	mg/l	TM15/PM10
Ethylbenzene #	<0.001	<0.001	<0.001								<0.001	mg/l	TM15/PM10
m/p-Xylene #	<0.002	<0.002	<0.002								<0.002	mg/l	TM15/PM10
o-Xylene #	<0.001	<0.001	<0.001								<0.001	mg/l	TM15/PM10
Total Xylenes #	<0.003	<0.003	<0.003								<0.003	mg/l	TM15/PM10
Surrogate Recovery Toluene D8	100	110	110								<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	96	99	98								<0	%	TM15/PM10
TPH CWG													
Aliphatics													
>C5-C6 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>C6-C8 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>C8-C10 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>C10-C12 #	<0.005	<0.005	<0.005								<0.005	mg/l	TM5/PM16/PM30
>C12-C16 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
>C16-C21 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
>C21-C35 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
Total aliphatics C5-35 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/TM36/PM12/PM16/PM30
Aromatics													
>C5-EC7 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>EC7-EC8 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>EC8-EC10 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM36/PM12
>EC10-EC12 #	<0.005	<0.005	<0.005								<0.005	mg/l	TM5/PM16/PM30
>EC12-EC16 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
>EC16-EC21 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
>EC21-EC35 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/PM16/PM30
Total aromatics C5-35 #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/TM36/PM12/PM16/PM30
Total aliphatics and aromatics(C5-35) #	<0.01	<0.01	<0.01								<0.01	mg/l	TM5/TM36/PM12/PM16/PM30

Element Materials Technology

Notification of Deviating Samples

Client Name: SLR Consulting Ltd
Reference: 427.009895.00001
Location: MFG Haverhill
Contact: Dominic Goodchild-James

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 23/19430						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.
It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/19430

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.
Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 23/19430

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details	Yes			
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes			
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes			

Appendix H Generic Assessment Criteria Screening Sheets

Haverhill Service Station

Phase 1 Environmental Site Assessment

Motor Fuel Group Limited

SLR Project No.: 427.009895.00001

11 December 2023

Generic PFS Risk Assessment - Lab Data Screening

SLR

BOLD Exceeds Site Management Limit
Exceeds GAC
Exceeds LOD

Client Name	MFG
Site Name	Haverhill Service Station
Job Number	427.009895.00001
Date	06/12/2023
Site Use	Petrol Filling Station
Risk Driver	Controlled Waters
Sample Type	Groundwater
Scenario	CW Groundwater - High Sensitivity

Sample ID	MW103	MW104B	MW102B
Depth	2.481	2.51	2.462
Sample Type	Ground Water	Ground Water	Ground Water
Sampled Date	16/11/23	16/11/23	16/11/23
Sample Received Date	18/11/23	18/11/23	18/11/23
EMT Sample No	1-3	4-6	7-9
Batch Number	1	1	1
Strata / Zone	-	-	-

Test	**Units**	**LOD**	**GAC Value (mg/l)**	**Site Management Limit**	**Count Exceeding Site Management Limit**	**Count Exceeding GAC**			
MTBE	mg/l	<0.0001	0.018	-	0	0	0.0006	<0.0001	<0.0001
Benzene	mg/l	<0.0005	0.0015	-	0	0	<0.0005	<0.0005	<0.0005
Toluene	mg/l	<0.005	0.12	-	0	0	<0.005	<0.005	<0.005
Ethylbenzene	mg/l	<0.001	0.075	-	0	0	<0.001	<0.001	<0.001
m & p Xylene	mg/l	<0.002	-	-	0	0	<0.002	<0.002	<0.002
o-Xylene	mg/l	<0.001	-	-	0	0	<0.001	<0.001	<0.001
Total Xylenes	mg/l	<0.003	0.11	-	0	0	<0.003	<0.003	<0.003
	%	<0							
	%	<0							
TPH CWG							-	-	-
Aliphatics							-	-	-
aliphatics >C5-C6	mg/l	<0.01	0.03	-	0	0	<0.01	<0.01	<0.01
aliphatics >C6-C8	mg/l	<0.01	0.42	-	0	0	<0.01	<0.01	<0.01
aliphatics >C8-C10	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aliphatics >C10-C12	mg/l	<0.005	>sol	-	0	0	<0.005	<0.005	<0.005
aliphatics >C12-C16	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aliphatics >C16-C21	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aliphatics >C21-C35	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
Total aliphatics C5-35	mg/l	<0.01					<0.01	<0.01	<0.01
Aromatics							-	-	-
aromatics >EC5-EC7	mg/l	<0.01	-	-	0	0	<0.01	<0.01	<0.01
aromatics >EC7-EC8	mg/l	<0.01	-	-	0	0	<0.01	<0.01	<0.01
aromatics >EC8-EC10	mg/l	<0.01	0.21	-	0	0	<0.01	<0.01	<0.01
aromatics >EC10-EC12	mg/l	<0.005	0.32	-	0	0	<0.005	<0.005	<0.005
aromatics >EC12-EC16	mg/l	<0.01	0.56	-	0	0	<0.01	<0.01	<0.01
aromatics >EC16-EC21	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aromatics >EC21-EC35	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
Total aromatics C5-35	mg/l	<0.01					<0.01	<0.01	<0.01
Total aliphatics and aromatics(C5-35)	mg/l	<0.01					<0.01	<0.01	<0.01

Generic PFS Risk Assessment - Lab Data Screening

SLR

BOLD Exceeds Site Management Limit

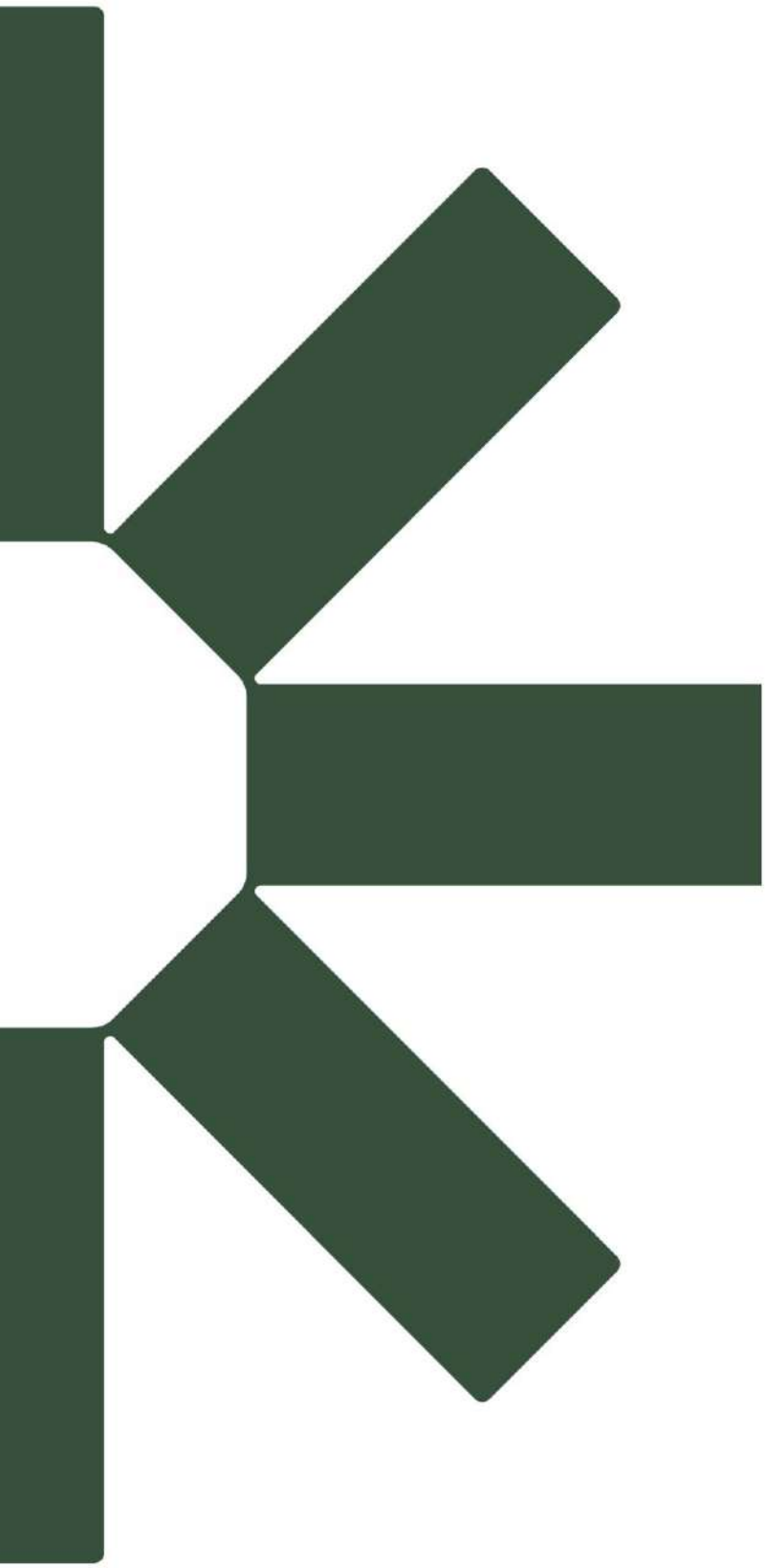
Exceeds GAC

Exceeds LOD

Client Name	MFG
Site Name	Haverhill Service Station
Job Number	427.009895.00001
Date	06/12/2023
Site Use	Petrol Filling Station
Risk Driver	Human Health
Sample Type	Groundwater
Scenario	HH Groundwater - Off Site Resi

Sample ID	MW103	MW104B	MW102B
Depth	2.481	2.51	2.462
Sample Type	Ground Water	Ground Water	Ground Water
Sampled Date	16/11/23	16/11/23	16/11/23
Sample Received Date	18/11/23	18/11/23	18/11/23
EMT Sample No	1-3	4-6	7-9
Batch Number	1	1	1
Strata / Zone	-	-	-

Test	**Units**	**LOD**	**GAC Value (mg/l)**	**Site Management Limit**	**Count Exceeding Site Management Limit**	**Count Exceeding GAC**			
MTBE	mg/l	<0.0001	180	-	0	0	0.0006	<0.0001	<0.0001
Benzene	mg/l	<0.0005	0.047	-	0	0	<0.0005	<0.0005	<0.0005
Toluene	mg/l	<0.005	56	-	0	0	<0.005	<0.005	<0.005
Ethylbenzene	mg/l	<0.001	8.6	-	0	0	<0.001	<0.001	<0.001
m & p Xylene	mg/l	<0.002	-	-	0	0	<0.002	<0.002	<0.002
o-Xylene	mg/l	<0.001	-	-	0	0	<0.001	<0.001	<0.001
Total Xylenes	mg/l	<0.003	2.9	-	0	0	<0.003	<0.003	<0.003
	%	<0							
	%	<0							
TPH CWG							-	-	-
Aliphatics							-	-	-
aliphatics >C5-C6	mg/l	<0.01	1	-	0	0	<0.01	<0.01	<0.01
aliphatics >C6-C8	mg/l	<0.01	2.2	-	0	0	<0.01	<0.01	<0.01
aliphatics >C8-C10	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aliphatics >C10-C12	mg/l	<0.005	>sol	-	0	0	<0.005	<0.005	<0.005
aliphatics >C12-C16	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aliphatics >C16-C21	mg/l	<0.01	No Risk	-	0	0	<0.01	<0.01	<0.01
aliphatics >C21-C35	mg/l	<0.01	No Risk	-	0	0	<0.01	<0.01	<0.01
Total aliphatics C5-35	mg/l	<0.01					<0.01	<0.01	<0.01
Aromatics							-	-	-
aromatics >EC5-EC7	mg/l	<0.01	-	-	0	0	<0.01	<0.01	<0.01
aromatics >EC7-EC8	mg/l	<0.01	-	-	0	0	<0.01	<0.01	<0.01
aromatics >EC8-EC10	mg/l	<0.01	1.2	-	0	0	<0.01	<0.01	<0.01
aromatics >EC10-EC12	mg/l	<0.005	4.6	-	0	0	<0.005	<0.005	<0.005
aromatics >EC12-EC16	mg/l	<0.01	>sol	-	0	0	<0.01	<0.01	<0.01
aromatics >EC16-EC21	mg/l	<0.01	No Risk	-	0	0	<0.01	<0.01	<0.01
aromatics >EC21-EC35	mg/l	<0.01	No Risk	-	0	0	<0.01	<0.01	<0.01
Total aromatics C5-35	mg/l	<0.01					<0.01	<0.01	<0.01
Total aliphatics and aromatics(C5-35)	mg/l	<0.01					<0.01	<0.01	<0.01



Making Sustainability Happen