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PHASE 1 CONTAMINATION ASSESSMENT

SCHOOL LANE

CHANDLER'S FORD

EASTLEIGH

HAMPSHIRE

Report Reference No. 132887

**On behalf of: -
Portakabin Group**
86 New Lane
Huntingdon
York
YO32 9NH

June 2025

PORTAKABIN GROUP

PHASE 1 CONTAMINATION ASSESSMENT REPORT

AT

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INTRODUCTION

The client, Portakabin Group, intend to redevelop an existing building, located off School Lane, Chandler's Ford, Eastleigh, Hampshire. The proposals include demolition of the existing building and construction of a new headquarters building, comprising an office block, together with associated parking areas and pathways. Some grass verges and peripheral soft landscaping may also be included.

Lucion Services Limited (our sister company) was instructed by the client, to carry out a Phase 1 contamination assessment. Lucion Ground Engineering Limited was subcontracted to undertake the investigation. This was to comprise a walkover survey and a desk study into the history of the site, together with a search of environmental records and a preliminary conceptual model, assessing the likely constraints to the proposals from ground contamination. A preliminary unexploded ordnance (UXO) risk assessment and a previous site investigation report, by others, was provided by the client and also reviewed within the scope of this investigation.

SITE LOCATION, DESCRIPTION, TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY

Location

The site is within an industrial estate on the south-west side of a junction between School Lane (to the north) and Bournemouth Road B3043 (to the east), in Chandler's Ford, Eastleigh, Hampshire. The site is located approximately 200m south of Chandler's Ford Railway Station and is centred at National Grid Reference 443265 120368. A site plan is presented in Appendix 1, together with a plan of the proposed development.

Description

The near rectangular 0.51 hectare site has an approximately 90m wide frontage onto School Lane, from which it extends southwards by a maximum of 80m along the western side of Bournemouth Road B3043.

Photographs A to I, Appendix 1, were taken by a Geo-environmental Engineer during a site walkover survey on 30th May 2025. At the time of the walkover survey, the centre of the site was occupied by a two-storey building (Photographs A & B). The building was vacant and had recently been occupied by the head offices of a plant hire company, name Selwood. The former head office building was apparently partly clad and roofed with corrugated sheet metal. This building was surrounded by concrete-surfaced hardstanding and used for car parking (Photographs C-E). A plant room was located on the ground floor on the northern side of the building behind a rolling vented door, containing gas pipes and flues, exiting through the roof of the building (Photograph F).

The remainder of the site is covered in further hardstanding, comprising multiple layers of concrete and asphalt, terraced into northward falling ground (Photograph G-I). Anecdotal evidence according to the client suggests that there are underground fuel tanks beneath the eastern part of the site, however no evidence of these was apparent at the time of the walkover survey. The eastern part of the site was surfaced with further layers of concrete, rather than any obvious access chambers or buried pipework that might otherwise indicate the presence of remnant underground fuel tanks.

Retaining walls, approximately 1.5m to 2.0m high, crossed the northern part of the site from east to west, and were alongside the west and south elevations of the office building (Photographs G-I). These separated the ground level of the existing building and central parts of the site from lower elevations; of a former roadway to the north (down gradient nearer Monk's Brook); and to the east and south, where the lower elevations are likely to be associated with a historical clay pit.

The site contains some vegetation along the southern and eastern boundaries, including several Sycamore and Ash trees.

Topography

The majority of the site is at an approximate elevation of 35mOD, terraced into the south-eastern valley side of a tributary stream that is approximately 120m north-west of the site. The northern part of the site, part of a former roadway, is at a lower elevation of approximately 33mOD, with the difference in levels accommodated by a retaining wall trending east to west close to the northern elevation of the existing building. The tributary stream flows towards the north-east and joins Monk's Brook, some 270m north of the site, that flows to the south-east then south, to eventually join the River Itchen at Swaythling, Southampton.

Geology

The 1987 geological map for the area at 1:50,000 scale, Sheet 315, shows the site to be directly underlain by the solid geology of the Wittering Formation (sand, silt, and clay). Superficial Alluvium is indicated to cover the latter along the valleys of the tributary stream and Monk's Brook, close to the north-west and north, respectively.

Hydrogeology

The client provided statutory buried services plans, including a Southern Water sewer plan, which was partly reproduced for the Existing Site Plan, Appendix 1. This indicates a 225mm diameter foul sewer draining eastwards beneath the southern part of the site, between manholes 2301 and 2302, then draining northwards beneath the eastern edge of the site to manhole

3303. Tabulated levels provided together with the plan indicate invert depths of 4.76m in manhole 2302 and 4.25m in manhole 3303. A 150mm diameter surface water sewer is marked close to the north of the site, draining towards the north-west beneath School Lane, from manhole 3351 (invert depth 0.99m), to 2452 (invert depth 2.25m) then beyond to the north-west 2451 (off-plan, invert depth 1.57m).

The Wittering Formation is a Secondary (A) Aquifer. Based on the topography of the site locality and the available drainage records, the direction of surface water and near surface groundwater water flow would generally be towards the north-west and north, downslope, towards the tributary stream and Monk's Brook, respectively.

PREVIOUS INVESTIGATION

A previous ground investigation report was undertaken by others (Structural Soils ref. 733601, 2018) and was provided by the client. This included a cable percussion borehole (BH1) and a window sample hole (WS1) within the site, close to the south and north elevations of the existing head office building, respectively. These were undertaken within the site as part of a wider investigation with further exploratory holes (BH2, BH3 and WS2 to WS8) undertaken in the remaining Selwood property, comprising depot buildings and storage areas beyond the site to the south-west and west.

The ground conditions in BH1 and WS1 reportedly comprised made ground to depths of 1.80m and 2.40m, respectively, over the Wittering Formation. A strong hydrocarbon odour was noted in the made ground during drilling at 0.27m to 1.70m in WS1. The Wittering Formation generally comprised medium dense or dense sand, with layers of soft, firm or stiff clay, or very stiff silt. The exploratory holes were completed within the Wittering Formation at depths of 20.00m (BH1) and 5.45m (WS1). Groundwater was noted during drilling at depths between 13.10m and 14.50m depth in BH1, whereas WS1 was apparently dry during drilling. Groundwater was recorded at depths between 2.60m and 2.65m during four return monitoring visits to a standpipe in WS1.

Subsequent laboratory testing on soil samples was undertaken. Recorded concentrations of contaminants reportedly fell below generic assessment criteria for a commercial end use. Concentrations of benzo(a)pyrene and speciated TPH, C11-C20 and C21-C40, in samples of made ground from WS1 exceeded UK Waster Industry Research (UKWIR) standards for use of polyethylene water supply pipes. Chrysotile-type asbestos (as loose fibres & cement-bound fragments) was identified in samples taken from exploratory holes undertaken to the west and south-west of the site (WS2, WS3, WS4, WS7 & WS8) but were not identified in samples from WS1 that was undertaken within the site.

Gas monitoring results of four gas monitoring visits to standpipes installed in WS1 to WS8 indicated that a Characteristic Situation 2 classification would apply. The previous report should be referenced for further details including parameters for foundation/pile design.

HISTORY OF THE SITE

Historical maps dating from 1868 have been sourced by Lucion Ground Engineering Limited and reviewed as part of this desk study, together with historical photographs and internet searches. Selected map extracts are reproduced in Appendix 2.

<i>Map Extract Studied</i>	<i>Description</i>
1868 O.S. Sheet Hampshire & Isle of Wight LVII.7 Scale 1:2500 Figure A	The site was within the north-east corner of a field on the western side of Bournemouth Road. An unnamed roadway, later named School Lane, was also within the northern edge of the site. Coniferous woodland was marked opposite to the north, fields or scrubland/public open space was opposite to the east and fields were to the south and west. A sand pit was marked approximately 90m north-east of the site and a railway in a cutting was indicated some 130m north-east of the site. Three ponds were marked approximately 130m to 220m south-east of the site, adjacent to Newhut Farm.
1896 O.S. Sheet Hampshire & Isle of Wight LVII.7 Scale 1:2500 Figure B	A school building was indicated in the south-eastern part of the site, with a pair of smaller buildings in the south-west. A presumed detached house and a row of five terraced houses were built to the south of the site. A clay pit with associated earthworks was marked close to the south-west and west, which also marked to contain allotment gardens to the south-west. Railway sidings extended between kilns (presumably for clay brick/tile making) and the railway, across the clay pit, approximately 100m west of the site. A straightened tributary stream was also marked flowing northwards approximately 120m north-west of the site. Hut Farm was marked to the south-east of the site. One of the three former ponds was apparently infilled, some 220m south-east of the site. A pair of buildings, comprising a Mission Church and a Sunday School, were constructed in the former sand pit, to the north-east. Further houses and Hut Hotel were built approximately 150m to 200m south of the site.
1909 O.S. Sheet Hampshire & Isle of Wight LVII.7 Scale 1:2500 Figure C	The site and surroundings remained unchanged.
1931 O.S. Sheet Hampshire & Isle of Wight LVII.NE Scale 1:10,560 Figure D	The site remained unaltered. The supposed course of a Roman road was indicated to cross the north-west part of the site, from south-west to north-east.
1933 O.S. Sheet Hampshire & Isle of Wight LVII.7 Scale 1:2500 Figure E	The site and immediate surroundings remained unchanged. A sewage works, with a pair of circular filter beds, was marked (off-plan) approximately 230m east of the site.

<i>Map Extract Studied</i>	<i>Description</i>
1939 O.S. Sheet Hampshire & Isle of Wight LVII.7 Scale 1:2500 Figure F	The site and immediate surroundings remained apparently unchanged. A relatively large rectangular building was constructed approximately 80m south of the site.
1947 Aerial Photograph Figure G	The former school site appeared to be largely surfaced with hardstanding and was known to be occupied by a plant hire company from around this time. Allotment gardens were visible close to the east of the site, across former fields and clay pits, with remnant earthworks of the latter lined with trees.
Circa 1950s Photographs Figure H.1 & H.2	Figure H.1 shows the old school building to remain within the site, in use with storage of various plant including cement mixers, forklifts and diggers. Figure H.2 also shows cranes stored to the rear of the former school building. Selwood are known to have occupied the site from the 1950s, indeed Selwood livery was visible on one of the cranes in Figure H.2.
1950 O.S. Sheet: SU4320SW Scale: 1:1250 Figure I	The former school building was indicated to comprise a Machinery Plant Hire Establishment (Selwood). A rectangular structure was also built near centrally within the site.
1957 O.S. Sheet: SU4320SW Scale: 1:1250 Figure J	The rectangular structure centrally within the site was extended or replaced with a larger building. Three further structures were marked in the western part of the site. A smaller open-sided structure was also indicated in the south-east corner of the site.
1964 O.S. Sheet: SU4320 Scale: 1:2500 Figure K	The site and immediate surroundings remained ostensibly unchanged.
1970 O.S. Sheet: SU4320 Scale: 1:2500 Figure L	Several of the structures within the site were extended. School Lane was re-routed immediately north of its former roadway. Part of the latter was incorporated into the northern part of the site. Many industrial buildings were constructed in the surroundings, including a Civil Engineering Plant Depot close to the west, a Haulage Depot and Concrete Works opposite to the north and an Insulation Engineering Works approximately 50m to the north-west. Tanks were also marked approximately 30m to 60m north and north-west of the site. A garage (possibly fuel filling station) was marked approximately 140m south-east of the site.
1983 O.S. Sheet: SU4320SW Scale: 1:1250 Figure M	The former school building was extended and several structures were removed in western and north-western parts of the site. A tank was marked approximately 60m west of the site and an electricity sub-station was erected 80m west of the site.
1993 O.S. Sheet: SU4320SW Scale: 1:1250 Figure N	The former school building and several other structures were removed from the site. The present-day Selwood head office building remained centrally within the site.
1999 Aerial Photograph Groundsure Report (Page 13, Appendix 3)	The Selwood head office building remained unchanged, surrounded by concrete-surfaced storage yards and car parking areas.

<i>Map Extract Studied</i>	<i>Description</i>
2003 O.S. LandLine Map Scale: 1:1250 Figure O	The site and immediate surroundings remained unaltered.
2005-2023 Aerial Photographs Groundsure Report (Pages 9 to 12, Appendix 3)	The site and immediate surroundings remained ostensibly unchanged.

In summary, the site comprised a field and a small section of the former roadway of the since rerouted School Lane. A school building was constructed within the site by 1896. A Machinery Plant Hire Establishment (Selwood) occupied the site from the mid-1900s. Several structures were subsequently built and extended within the site. The former school building and several structures were removed from the site during the late-1980s, with the exception of the Selwood head offices building. The site has since remained ostensibly unchanged.

Unexploded Ordnance

A preliminary unexploded ordnance (UXO) threat assessment report for the areas to the immediate west of the site was provided by the client. The report (1st Line Defence ref: PA21890-00, May 2025) was undertaken in accordance with CIRIA C681, and indicates that the locality was subjected to an overall low density of bombing. All structures located within close proximity of the study area remained apparently unchanged between post and pre-WWII maps, suggesting that they sustained no bomb damage. The report concluded that the risk from UXO is not considered to be higher than the ‘background risk’ of finding UXO in this part of the country and it was recommended that no further research is taken. Although the risk was assessed to be low/minimal, this does not mean that there is ‘no’ risk of encountering UXO and an EOD specialist should be contacted for advice/reassessment if UXO is encountered or suspected during subsequent work.

ENVIRONMENTAL SEARCHES

Information derived from Environmental Databases for a radius of up to 250m from the site was sourced by Lucion Ground Engineering Limited and is presented at the rear of this report in Appendix 3. The information contained includes data sets held by Groundsure and contributors include the Environment Agency, Local Authority, British Geological Survey, Ordnance Survey, English Nature and the Coal Authority.

The results obtained within 250m of the site are presented in summary form below, together with a detailed search on selected areas of enquiry based on the summary details.

1.-2. Historical Industrial Land Uses	On-Site	0 - 250m
Potentially Contaminative Uses (1:10,000/1:10,560 mapping)	4	64
Historical Tank Database	0	23
Historical Energy Features Database	0	10
Historical Petrol Station Database	0	1
Historical Garage Database	0	13
Historical Military Land	0	0
3. Waste & Landfill Sites	On-Site	0 - 250m
Landfill Sites	0	0
Historical Landfill and Other Waste Sites/Records	0	0
Waste Exemptions	0	7
4. Recent Industrial Land Use	On-Site	0 - 250m
Recent Potentially Contaminative Industrial Sites	1	43
Current or Recent Petrol Stations	0	0
National Grid Oil/Gas Pipelines & Electricity Cables	0	0
Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0
Records of COMAH and NIHHS Sites	0	0
Regulated Explosive Sites	0	0
Sites Holding Environmental Permits/Authorisations/Licences	0	0
Pollutant Release	0	2
List 1 Dangerous Substances	0	0
Pollution Incidents	0	3
14.-16. Geology	On-Site	0 - 250m
Artificial Ground or Made Ground records	No	
Superficial Ground and Drift Geology Records	No	
Solid Geology Records	Yes	
Linear Features	No	

5.-6. Hydrogeology and Hydrology				On-Site	0 - 250m
Productive strata within superficial geology beneath the site				No	
Productive strata within solid geology beneath the site				Yes	
Abstraction Licences				0	0
Source Protection Zones				0	0
O.S. MasterMap Water Network entries				0	4
Surface Water Features				0	2
7.-9. Flooding					
Risk of flooding from rivers & the sea (RoFRaS) rating within 50m				None identified	
Historical Flood Events within 250m since 1946				0	
Flood defences within 250m of site				0	
Any areas benefitting from flood defences within 250m of site				2	
Flood storage areas within 250m of site				None Identified	
Environment Agency indicative Zone 2 and Zone 3 floodplains within 50m				None Identified	
Surface water flood risk on site				1 in 30 year, 0.3m to 1.0m	
Groundwater flood risk on site				Moderate	
10.-13. Designations				On-Site	0-250m
Environmental Designations				2	0
Special Areas of Conservation (SAC)				0	0
Agricultural Designation/Land Classification within 250m				Grade 4	
Habitat Designations				0	5
17. Natural Ground Subsidence (on-site)					
Hazard	Negligible	Very Low	Low	Moderate	High
Shrinking and Swelling Clay	-	-	-	On-site	-
Running Sand	-	On-site	-	-	-
Compressible Deposits	On-site	-	-	-	-
Collapsible Deposits	-	On-site	-	-	-
Landslides	-	On-site	-	-	-
Soluble Rocks	On-site	-	-	-	-
18.-19. Mining, ground workings and natural cavities				On-Site	0 - 250m
BritPits				0	2
Surface Ground Workings				1	44
Underground Workings on and within 250m of site				0	0
Historical Mineral Planning areas				0	0
Non-coal mining areas				0	0
Coal mining areas				0	0
Natural Cavities				0	0
Researched Mining				0	0
Mining Cavities				0	0
20. Radon					
The property is not within a Radon Affected Area, as less than 1% of properties are above the action level. Radon Protective Measures are not required for new properties or extensions.					
22. Railway Infrastructure & Projects					
Historical Railway & Tunnel Features within 250m of site				0	26
Historical Railways				0	1
Railways				0	7

Database Summary

In summary, there are four historical industrial uses recorded on the site and sixty-four within 250m of the site. The records for the site relate to an unspecified depot (mapped 1973), an industrial estate (mapped 1973 and 1981-1999) and a brickworks (mapped 1897). The nearest records for historical industrial uses relate unspecified ground workings and old clay/unspecified pits 19m to 222m south-west and west of the site. There are twenty-three historical tanks recorded within 250m of the site, with the closest (an unspecified tank) located 24m west of the site. There are ten historical energy features recorded within 250m of the site. All comprise electricity substations, with the closest positioned 39m west of the site. There is one record for historical petrol filling stations within 250m of the site. This is recorded with a fuel tank mapped 1950, located 171m north of the site. There are thirteen historical garages (vehicle repair workshops) within 250m of the site. The closest was located 35m south of the site.

There are seven waste exemptions located within 250m of the site, with the closest for storing waste in a secure place 41m south-east of the site.

There is one recent industrial land use recorded on the site and forty-three within 250m of this site. The use within the site comprises a construction and tool hire services, namely the head offices of Selwood. The closest uses in the surroundings comprise a telecommunications mast, 16m north; a tank, 30m west and works, 33m north.

There are two records for licenced pollutant release (Part A(2)/B) activities within 250m of the site. These both relate to Part B activities: a current permit for mineral processes by Hanson Quarry Products, located 47m north of the site; and a historical permit for respraying of road vehicles, located 175m south-east of the site. There are three pollution incidents recorded within 250m of the site. All three are located 211m south-west of the site, comprising smoke and firefighting run-off causing minor impact to water and air, and no impact to land.

The site is recorded as being directly underlain by the solid geology Wittering Formation that is a Secondary (A) Aquifer.

There are three records for water networks recorded within 250m of the site. These are located 117m to 139m west of the site. The closest record is erroneously noted to comprise a 'lake, lock or reservoir' whereas the remaining two are noted to be 'inland rivers'. All three records

appear to be for the headwater stream of Monk's Brook. The site is also noted to be within the surface water body catchment of Monk's Brook.

There are no records of risk of flooding from rivers and the sea within 250m of the site. The site has a negligible risk of surface water flooding and a moderate risk of groundwater flooding.

The site is recorded to be non-agricultural/no quality assigned, and there is one agricultural land classification recorded within 250m of the site. The latter is located 82m north-west of the site and comprised Grade 4 poor quality agricultural land. There are five records of priority habitat within 250m of the site. All comprise deciduous woodland, located 211m to 233m east and 237m to 243m north-west of the site.

There is a moderate hazard potential from shrinking and swelling clays; a very low hazard potential from running sands, collapsible deposits and landslides; and a negligible hazard potential from compressible deposits and ground dissolution of soluble rocks.

There are two records of British Pits ('BritPits') recorded within 250m of the site. Both are both ceased (historical) clay workings at Chandler's Ford Brick Works, positioned 94m south-west and 212m south-west of the site. There is one record for surface ground workings within the site and a further forty-four within 250m of the site. The closest of the latter comprise unspecified ground workings/pits/old clay pits 19m to 22m south-west and west of the site.

PRELIMINARY RISK ASSESSMENT

In order to assess the risks associated with the presence of ground contamination the linkages between the sources and potential receptors to contamination need to be established and evaluated. This is in accordance with the Environmental Protection Act 1990, which provides a statutory definition of Contaminated Land. To fall within this definition it is necessary that, as a result of the condition of the land, substances may be present on or under the land such that;

- *Significant harm is being caused or there is a significant possibility of such harm being caused; or*
- *Pollution of controlled waters is being, or is likely to be, caused*

There are three principal factors that are assessed whilst undertaking a qualitative risk assessment for any site. These are the presence of a contamination source, the existence of migration pathways and the presence of a sensitive target(s). It should be noted that it is necessary for each element of source, pathway and target to be present in order for exposure of a human or environmental receptor to occur.

UK Government guidance on the assessment of contaminated land, requires risk to human health and the environment to be reviewed using source – pathway – target relationships. If each of these elements is present, the linkage provides a potential risk to the identified targets. ***Contaminants or potential pollutants*** identified as ***sources*** in relation to the identified previous uses are listed below in Table 1.

Table 1: Identified Potential Contaminant Sources

<i>Contaminant Source</i>	<i>Comments</i>
Buildings/Drainage/ Underground Fuel Storage Tanks	The existing buildings may include asbestos containing materials. Effluent from existing drains and remnant fuel in the suspected underground fuel storage tanks could provide a contaminant source.
Soil Beneath Site	Contamination may be present within any made ground present beneath the site, associated with former phases of development, historical use as for construction plant storage and suspected underground fuel storage tank.
Soil Gas	Potential soil gas generated from made ground and natural sources around the site. Deep made ground may be anticipated infilling the historical clay pit that was close to the south-west of the site.
Ground Contamination Outside Site Boundary	Ground contamination migrating from nearby sites.

A **Pathway** is defined as one or more routes through which a receptor is being, or could be, exposed to, or affected by, a given contaminant.

Potential **Target or Receptors** fall within the categories of Human Health, Water Environment, Flora and Fauna, and Building Materials.

There are a number of possible pathways for the contaminants identified on the site to impact human and/or environmental receptors and these are summarised in Tables 2 and 3.

Table 2: Human Receptors and Pathways

<i>Human Receptor-Mechanism</i>	<i>Typical Exposure Pathway</i>
Human Inhalation	Breathing Dust and Fumes Breathing Gas emissions
Human Ingestion	Eating -contaminated soil, for example by small children -plants grown on contaminated soil Ingesting dust or soil on fruit or vegetables Drinking contaminated water
Human Contact	Direct skin contact with contamination Direct skin contact with contaminated liquids

Table 3: Water Receptors and Pathways

<i>Receptor-Water Environment</i>	<i>Typical Exposure Pathway</i>
Groundwater The site is recorded as being directly underlain by the Wittering Formation, which is a Secondary (A) Aquifer.	Surface infiltration of atmospheric waters into the soils beneath the site could wash or dissolve potential contaminants and migrate to underlying groundwater. Contamination leads to restriction/prevention of use as a resource, for example, drinking water, and can have secondary impacts on other resources, which depend on it.
Surface Water/River Networks The nearest water feature is a tributary stream, located 117m north-west of the site, which flows north-eastwards towards Monk's Brook.	Surface infiltration of atmospheric waters into the soils beneath the site could wash or dissolve potential contaminants and laterally migrate. Contamination leads to a restriction/prevention of use: -as drinking water resource -for amenity use Effects on aquatic life

Table 4: Preliminary Conceptual Model Relative to Construction/Future Use of Site

Receptors	Pathway	Estimated Potential for Linkage with Contaminant Sources			
		Buildings/ Drainage/Tanks	Soil Beneath Site	Soil Gas	Ground Contamination Outside Site Boundary
Human Health – construction workers	Ingestion and Inhalation of contaminated Soil, Dust and Vapour	Likely	Likely	Low likelihood	Low likelihood
Human Health – users of completed development	Ingestion and Inhalation of contaminated Soil, Dust and Vapour	Low likelihood	Likely	Low likelihood	Low likelihood
Water Environment	Migration through ground into surface water or groundwater	Unlikely	Low likelihood	Low likelihood	Unlikely
Flora	Vegetation on site growing on contaminated soil	Unlikely	Low likelihood	Low likelihood	Unlikely
Building Materials	Contact with contaminated soil	Unlikely	Low likelihood	Low likelihood	Unlikely

Key to Table 4

Estimated Potential for Linkage with Contaminant Source	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term, and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such an event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

PHASE 1 CONCLUSIONS

Anticipated exposure scenarios relating to the current and proposed uses of the site, in the context of the preliminary conceptual model, are discussed as follows.

The proposed layout, including any new areas of soft landscaping and any gardens, will need to be confirmed by the architect/engineer.

Potential sources of contamination present on or beneath the site relate primarily to: any imported or remnant made ground soils that cover the site; or the migration of contaminants from nearby sites.

Existing Buildings, Drainage & Suspected Underground Fuel Storage Tanks

The existing buildings and ancillary structures may include asbestos containing materials (ACMs). It is recommended that an asbestos survey be conducted in order to determine the type and nature prior to redevelopment. Suitable precautions, in line with current best practice, should be put in place to protect workers and end users from the effects of asbestos material.

Redundant foul drain runs should be removed from beneath the site and precautions should ensure that any remaining effluent is directly disposed of off-site. The integrity of existing drainage should be checked, and damaged sections replaced prior to re-use within the development. The latter measures should reduce the future risk to human health and water environment to low.

The underground fuel storage tanks are suspected to be present beneath the eastern part of the site, based on anecdotal evidence, and are potential source of petroleum hydrocarbon contamination within the site.

Soil Gas

According to database information, there are no active landfills within influencing distance of the site. The historical clay pit, infilled close to the south-west, and several small historically infilled ponds in the wider surroundings are potential finite sources of soil gas.

Previous gas monitoring on four occasions at standpipes installed in the site and areas to the west and south-west indicated a Characteristic Situation 2 classification would apply,

owing to carbon dioxide concentrations locally above 5% that were attributed to infilled former clay pits. The likelihood of soil gas affecting the end users of the site and surroundings is considered to be likely.

The site lies within an area where radon protection measures are not required for new dwellings in accordance with BR211.

Contaminated Soil

The plant room, parked vehicles/historical plant storage and the suspected underground fuel tanks are potential sources of soil contamination within the site. Contaminated soil may also have been introduced during terracing of the site, including infill behind the retaining wall or associated with the former clay pit.

Based on the desk study information and test results reported in the previous investigation, is considered that the likelihood for soil contaminants affecting human health, and the water environment is low.

Ground Contamination Outside Site Boundary

The Wittering Formation is a Secondary (A) Aquifer. Groundwater and surface water flow is expected to be toward the north-west and north, based on the site topography. The nearest surface water feature is a tributary stream, 117m north-west of the site, which flows north-east towards Monk's Brook.

Adjacent sites may have soil and groundwater containing contamination from historical or existing uses, such as the clay pit close to the south-west. The migration of any such contamination will depend on the nature and permeability of the underlying soils.

It is considered a low likelihood that contamination from off-site sources will have affected the site and underlying soils/water, and the water environment.

PHASE 2 GROUND INVESTIGATION SCHEME

It is recommended that a Phase 2 intrusive ground investigation is undertaken to determine the ground conditions and identify whether any ground and/or groundwater contamination is present, targeting the identified potential sources (plant rooms, underground fuel tanks & infilled ground), particularly in parts of the site not previously investigated. Such an investigation could include in-situ and laboratory geotechnical testing to provide parameters for the design and construction of foundations/piles, and to inform drainage design.

Investigation of the ground conditions could be achieved by means of cable percussive boreholes and window sample boreholes. Trial trenches could also be undertaken as part of the Phase 2 site work, positioned in the eastern part of the site to assess the presence/absence of remnant underground fuel storage tanks. Such excavations would need to be undertaken using a combination of methods, initially by coring/cutting and breaking/mechanical excavation of the surface concrete. Hand digging or removal of soils by vacuum excavation may be necessary where tanks are suspected, in order to prevent potential damage of such tanks and release of contaminants.

Chemical testing of soils and groundwater recovered from the exploratory holes should include a suite of tests which should encompass a wide range of potential contaminants, including total petroleum hydrocarbons and (on soils) asbestos containing material.

It is considered that an appropriate programme of further soil gas and groundwater monitoring would also be required in order to confirm what gas protection measures, if any, are necessary. Monitoring for vapours/volatile organic compounds in the standpipes during the return visits may also be required, depending on the results of soil and groundwater analysis.

LUCION GROUND ENGINEERING LIMITED



J. E. M. DAVIES

B.Sc. (Hons.), M.Sc.,

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S. WEATHERLEY

B.Eng.(Hons.),

C.Geol., F.G.S.

Associate

APPENDIX 1

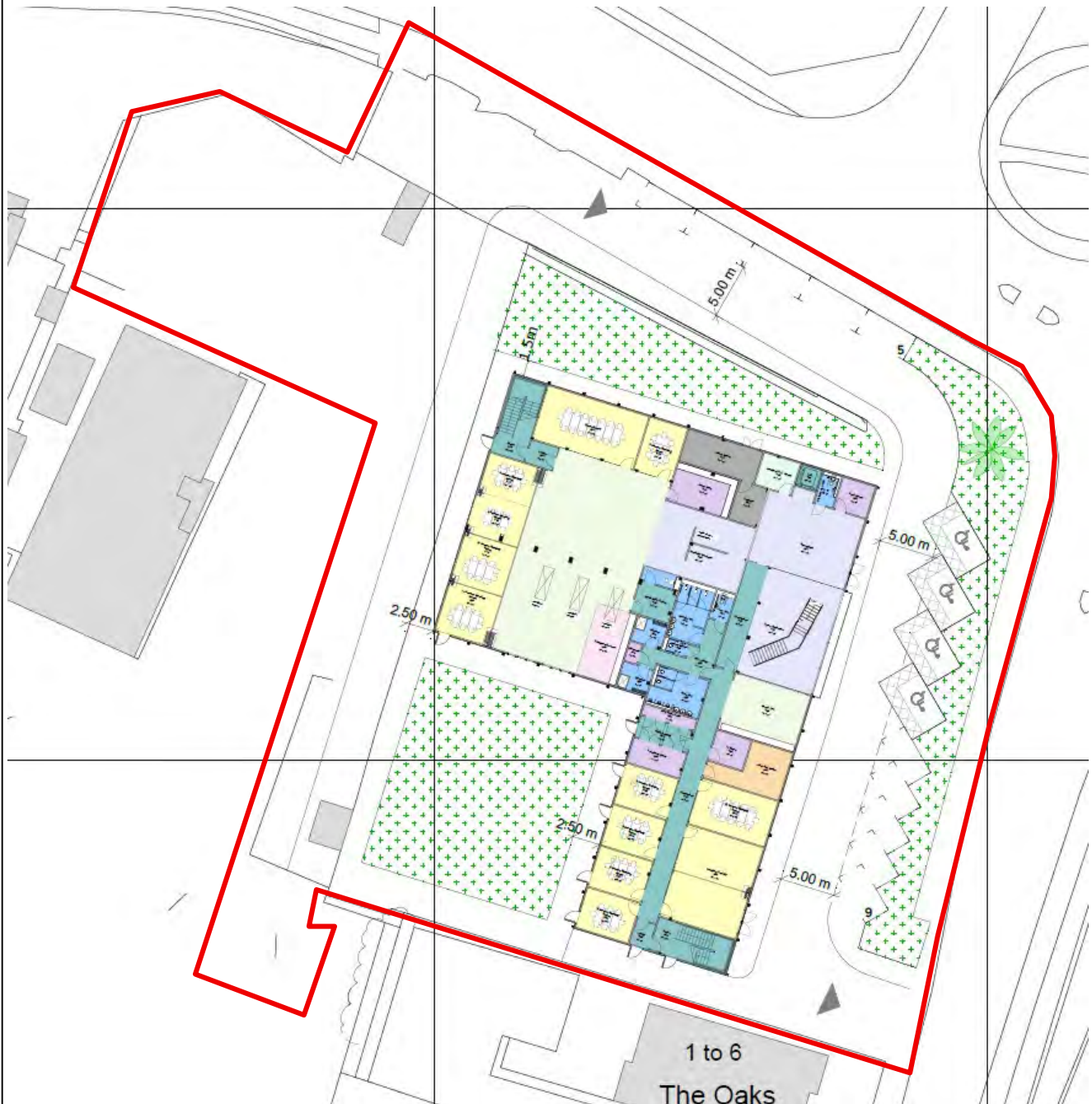
PROPOSED SITE PLAN

EXISTING SITE PLAN

SITE PHOTOGRAPHS

Proposed Development Plan

Reproduced, Not to Scale, from a **PRELIMINARY** proposed development plan provided by the client



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group

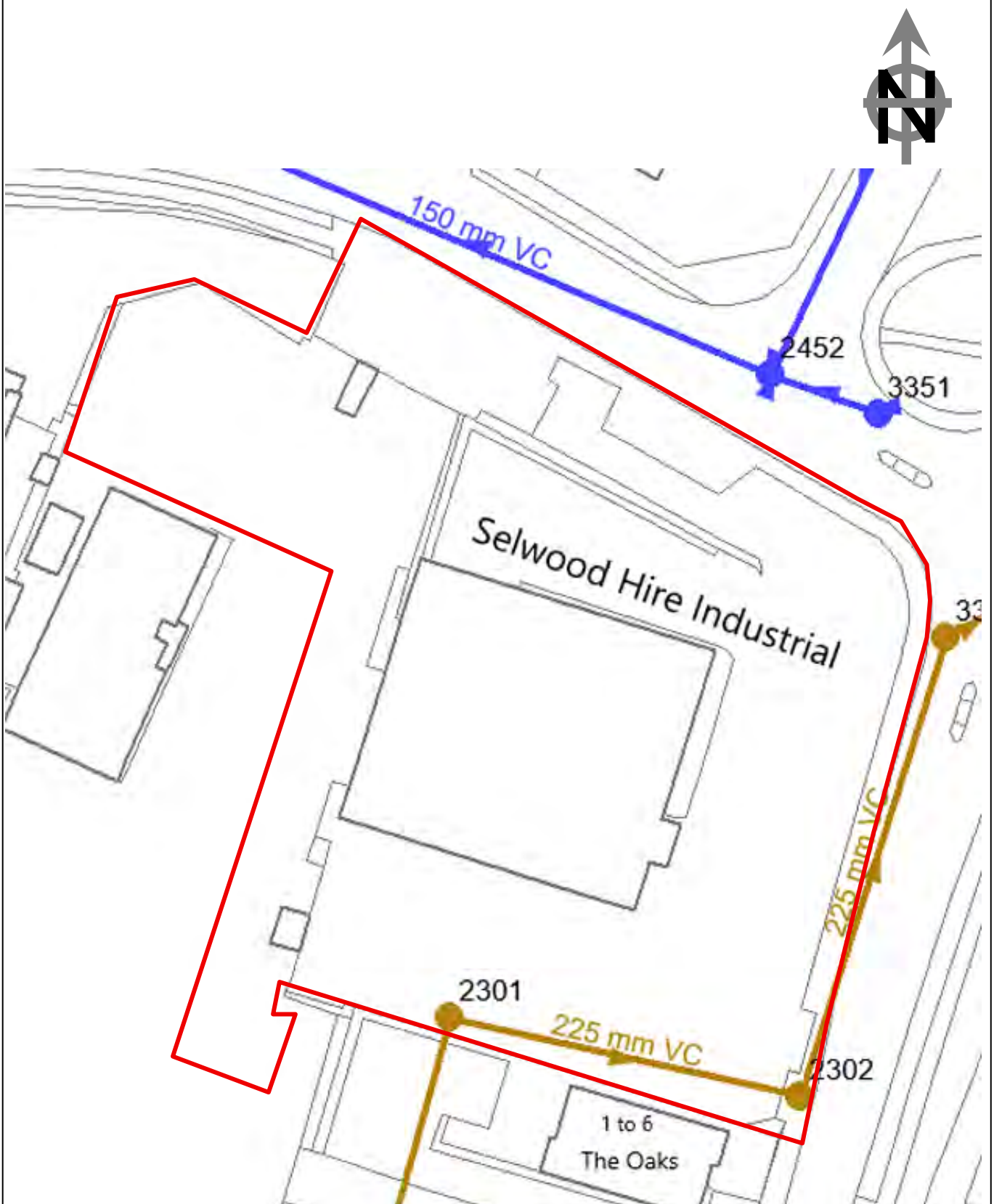


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Project No.
132887

Existing Site Plan

Reproduced, Not to Scale, from a Southern Water sewer plan (dated 20/03/25) provided by the client



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



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Project No.
132887

Site Photographs A-F

A



B



C



D



E



F



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group

Site Photographs G-I

G



H



I



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group

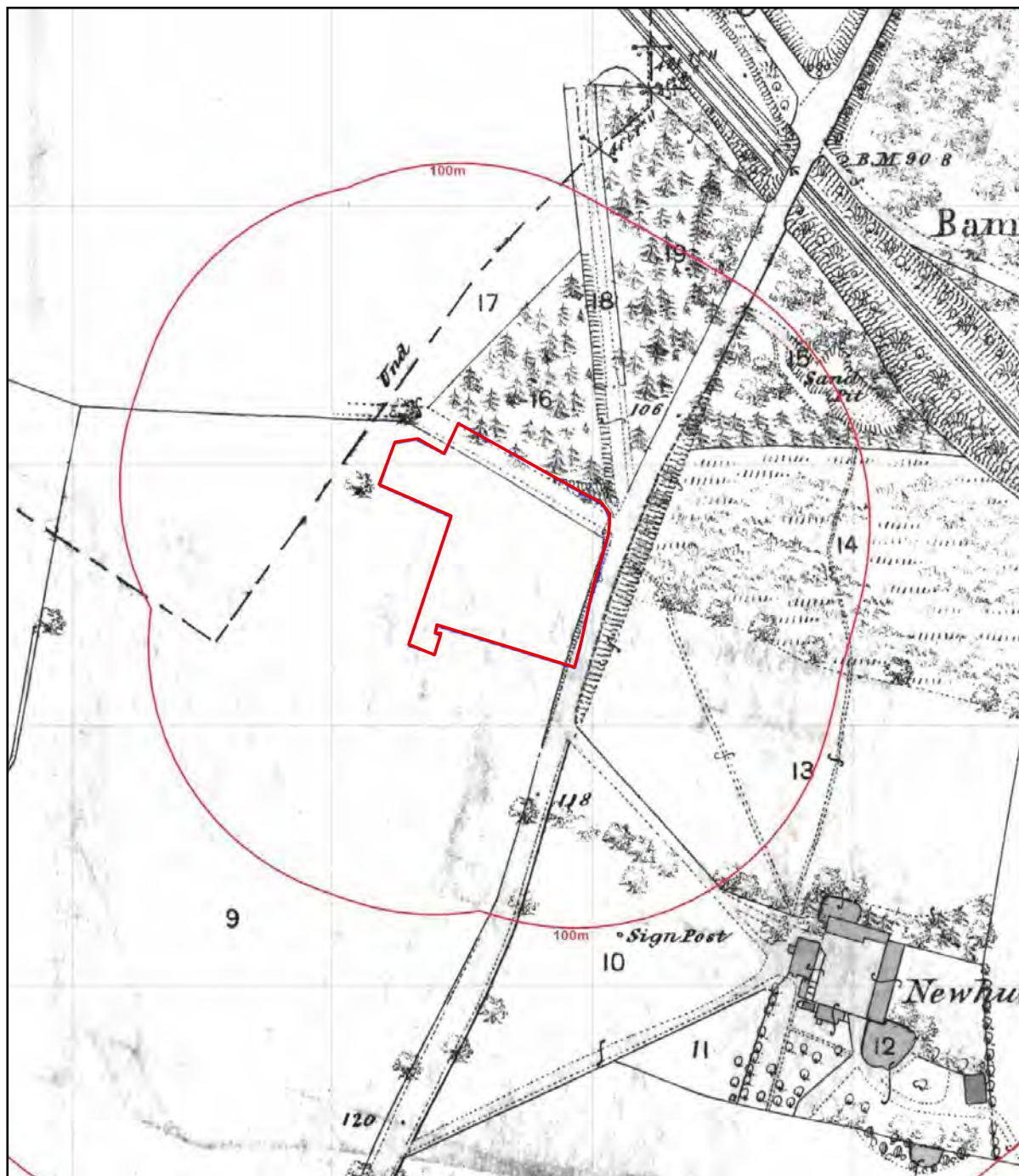
APPENDIX 2

HISTORICAL MAPS

Site History

Figure A

Reproduced from the 1868 edition Ordnance Survey sheet Hampshire & Isle of Wight LVII.7 at 1:2500 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



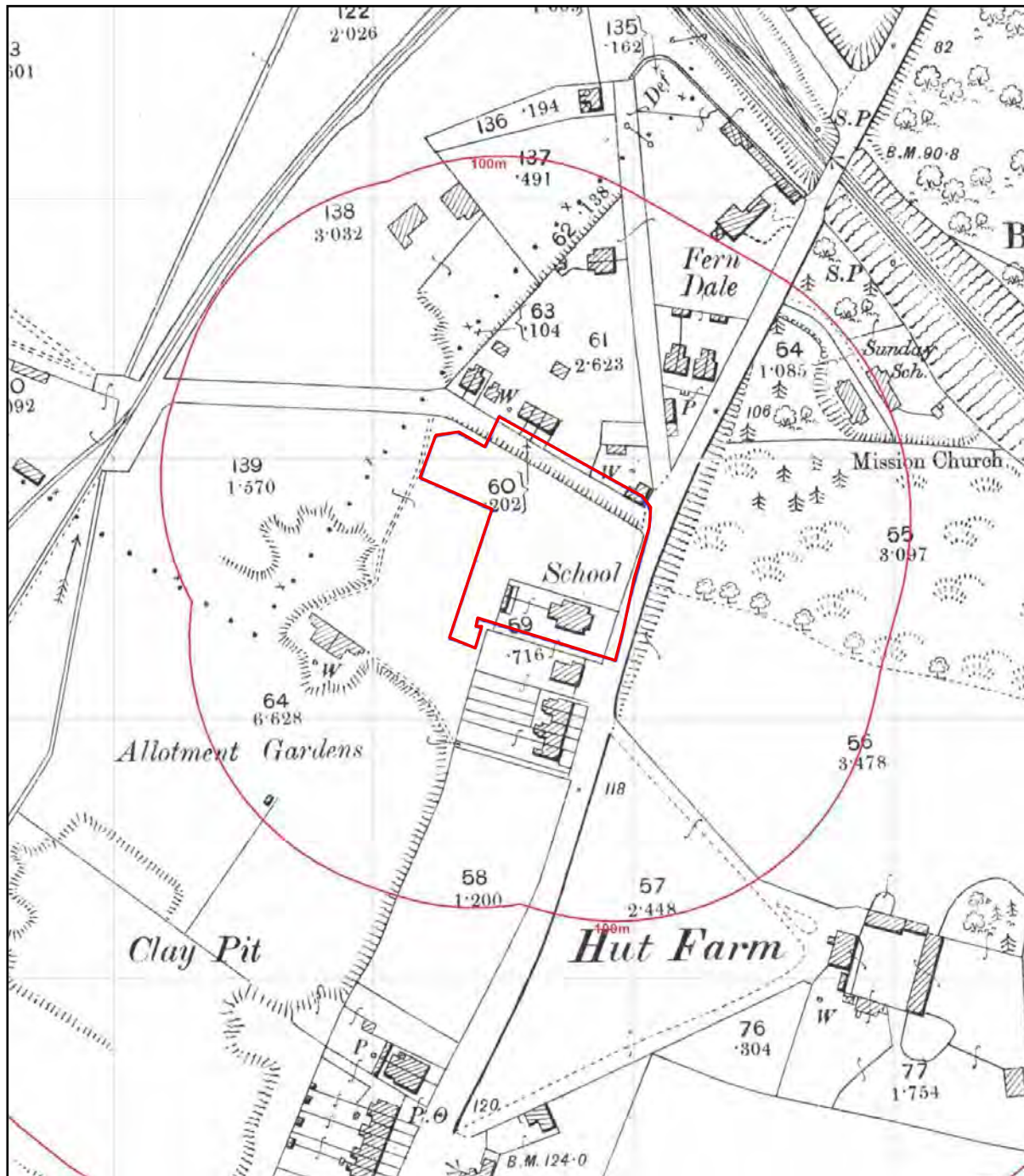
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Site History

Figure B

Reproduced from the 1896 edition Ordnance Survey sheet Hampshire & Isle of Wight LVII.7 at 1:2500 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



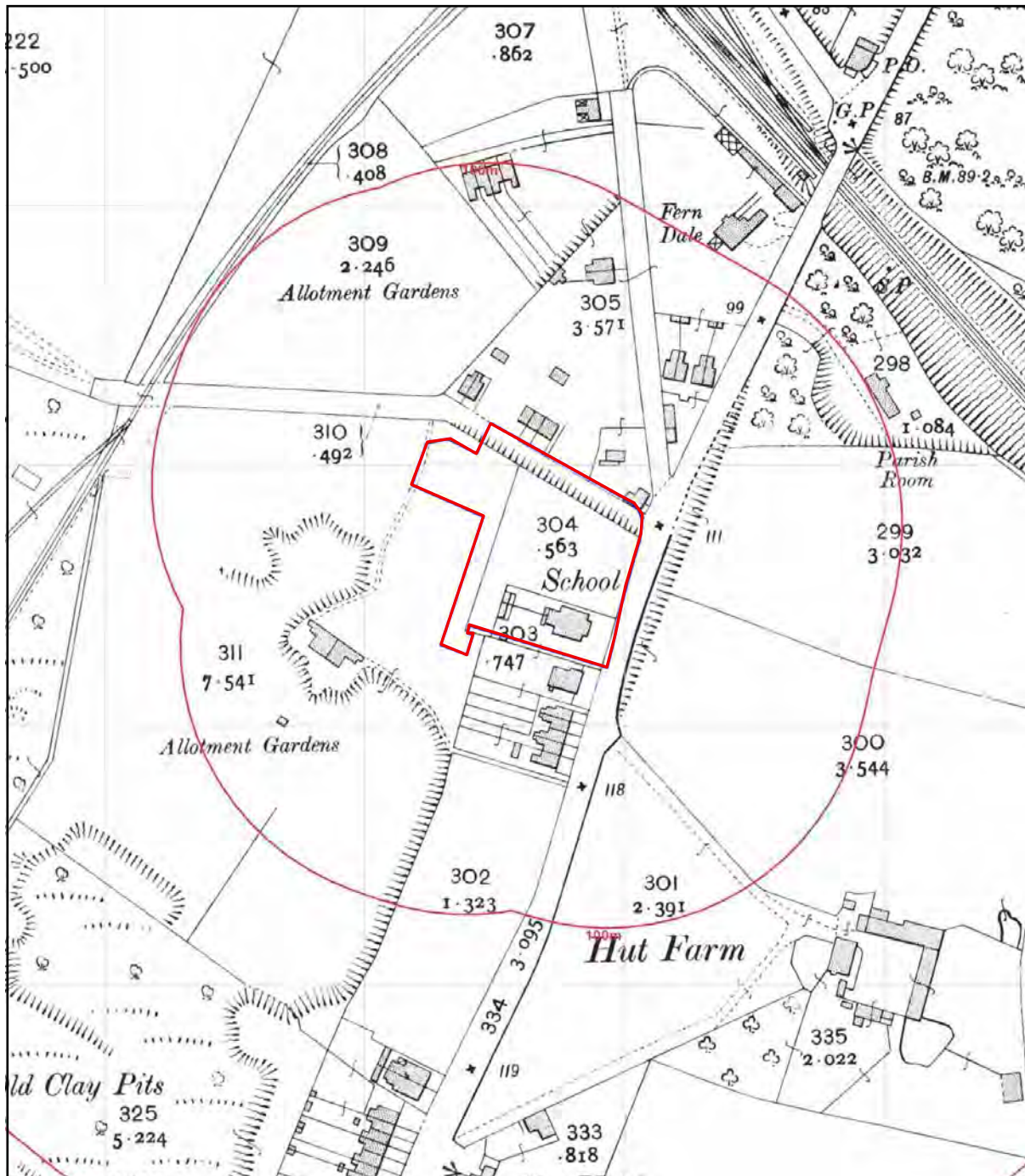
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Site History

Figure C

Reproduced from the 1909 edition Ordnance Survey sheet Hampshire & Isle of Wight LVII.7 at 1:2500 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



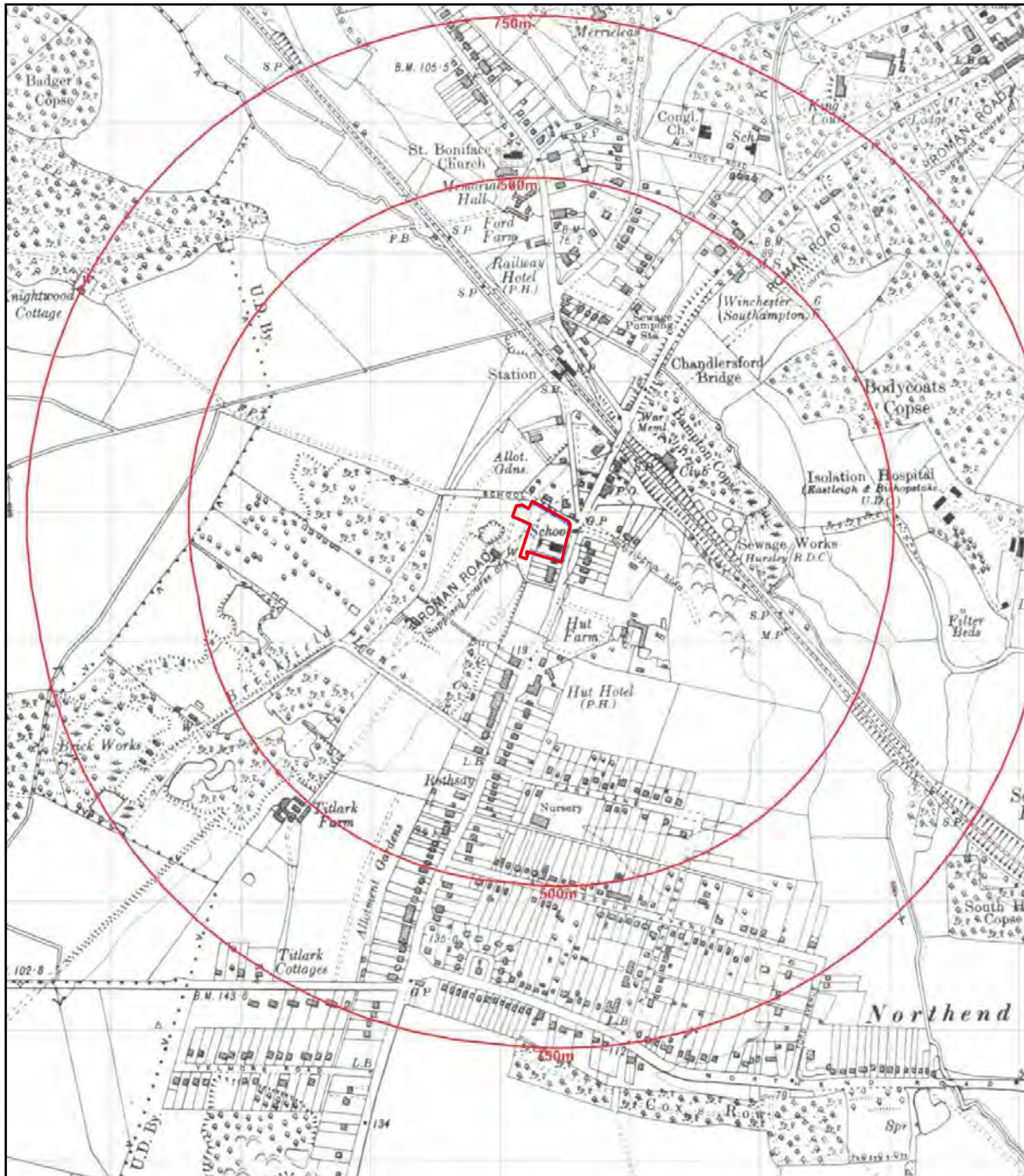
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Site History

Figure D

Reproduced from the 1931 edition Ordnance Survey sheet Hampshire & Isle of Wight LVII.NE at 1:10,560 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



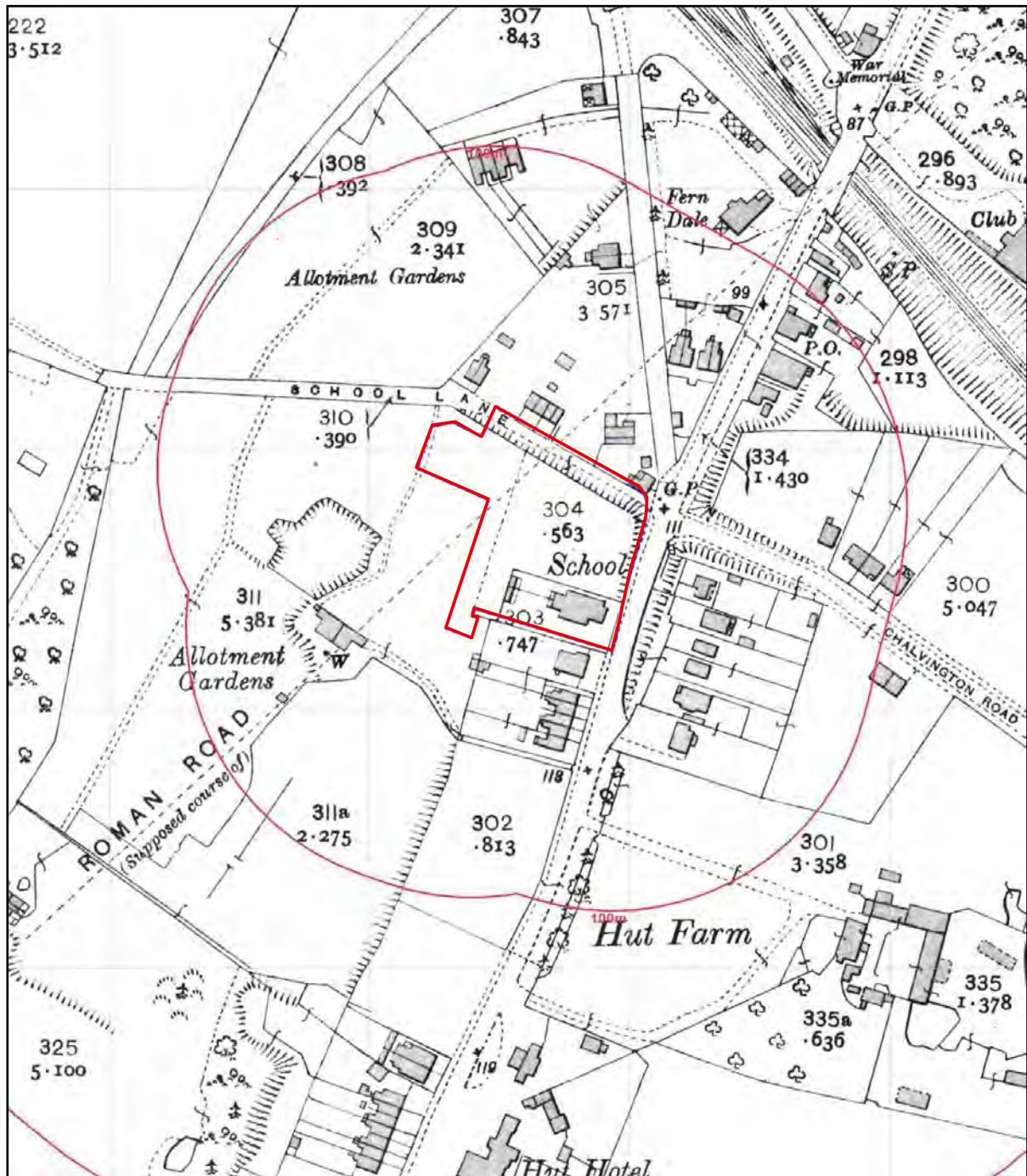
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Site History

Figure E

Reproduced from the 1933 edition Ordnance Survey sheet Hampshire & Isle of Wight LVII.7 at 1:2500 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



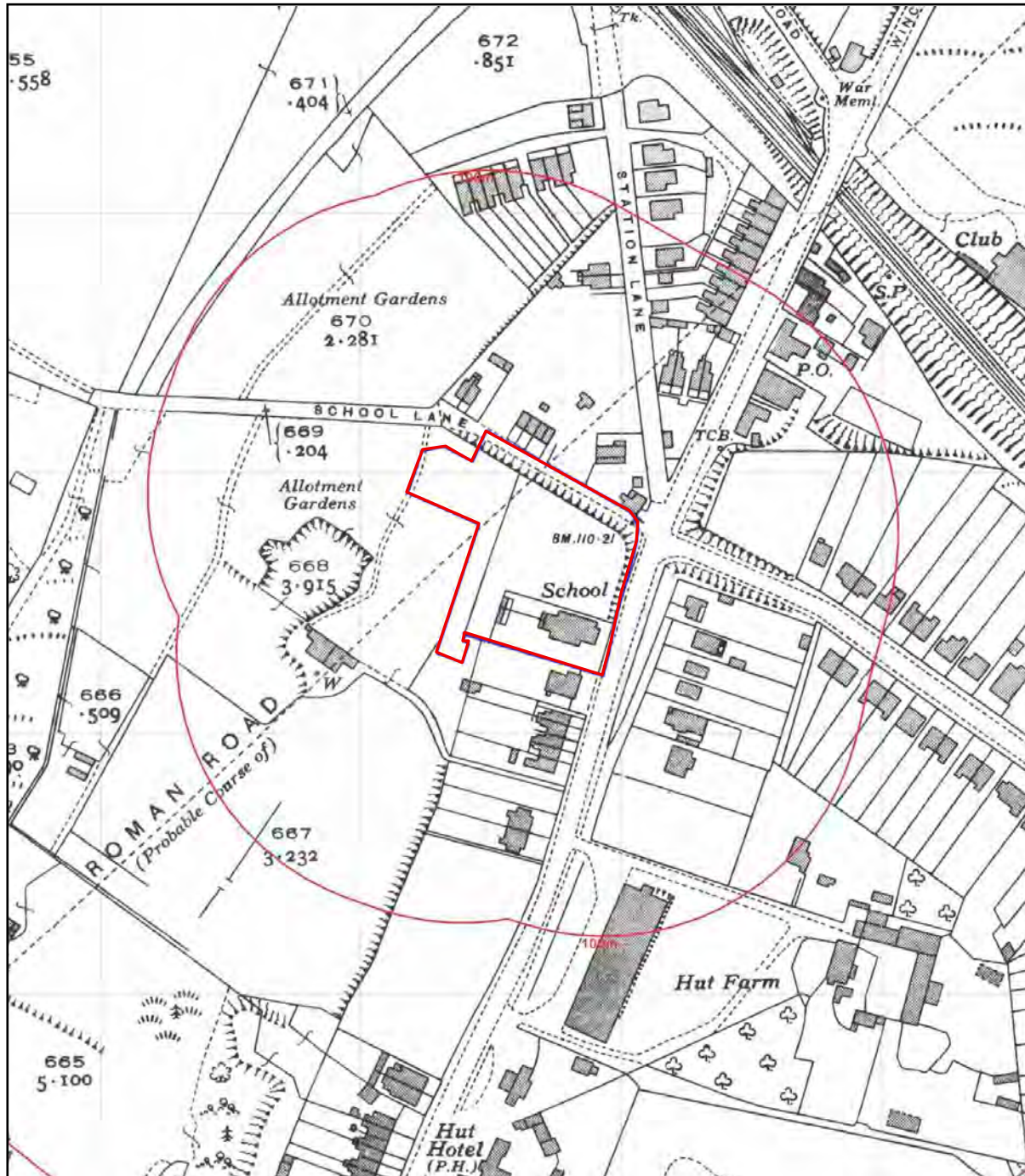
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Site History

Figure F

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Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



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Site History

Figure G

Reproduced from a 1947 Aerial Photograph



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



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Site History

Figures
H.1 & H.2

Reproduced from circa 1950s Site Photographs

H.1



H.2



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



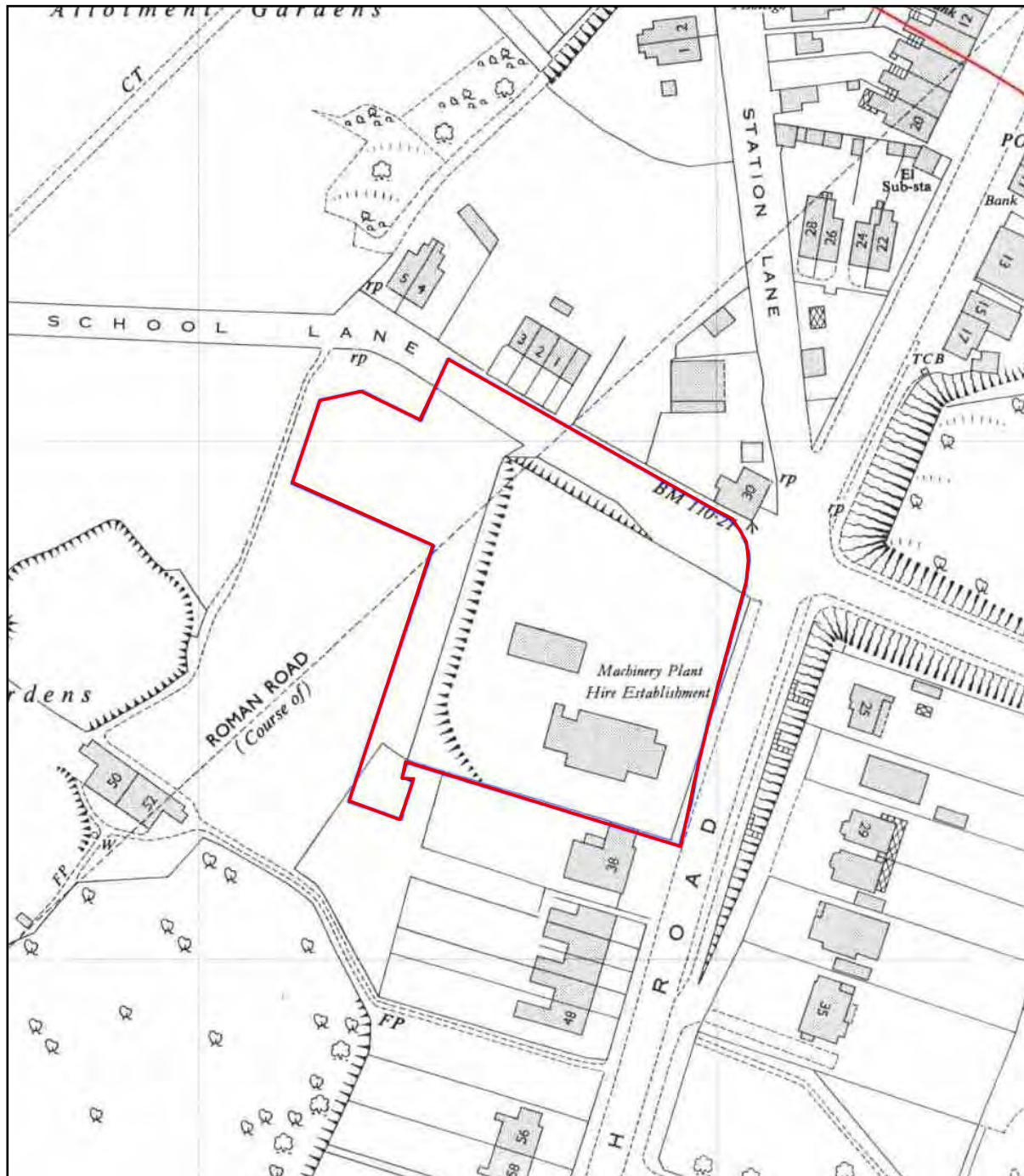
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Site History

Figure I

Reproduced from the 1950 edition Ordnance Survey sheet SU4320SW at 1:1250 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

Client : Portakabin Group



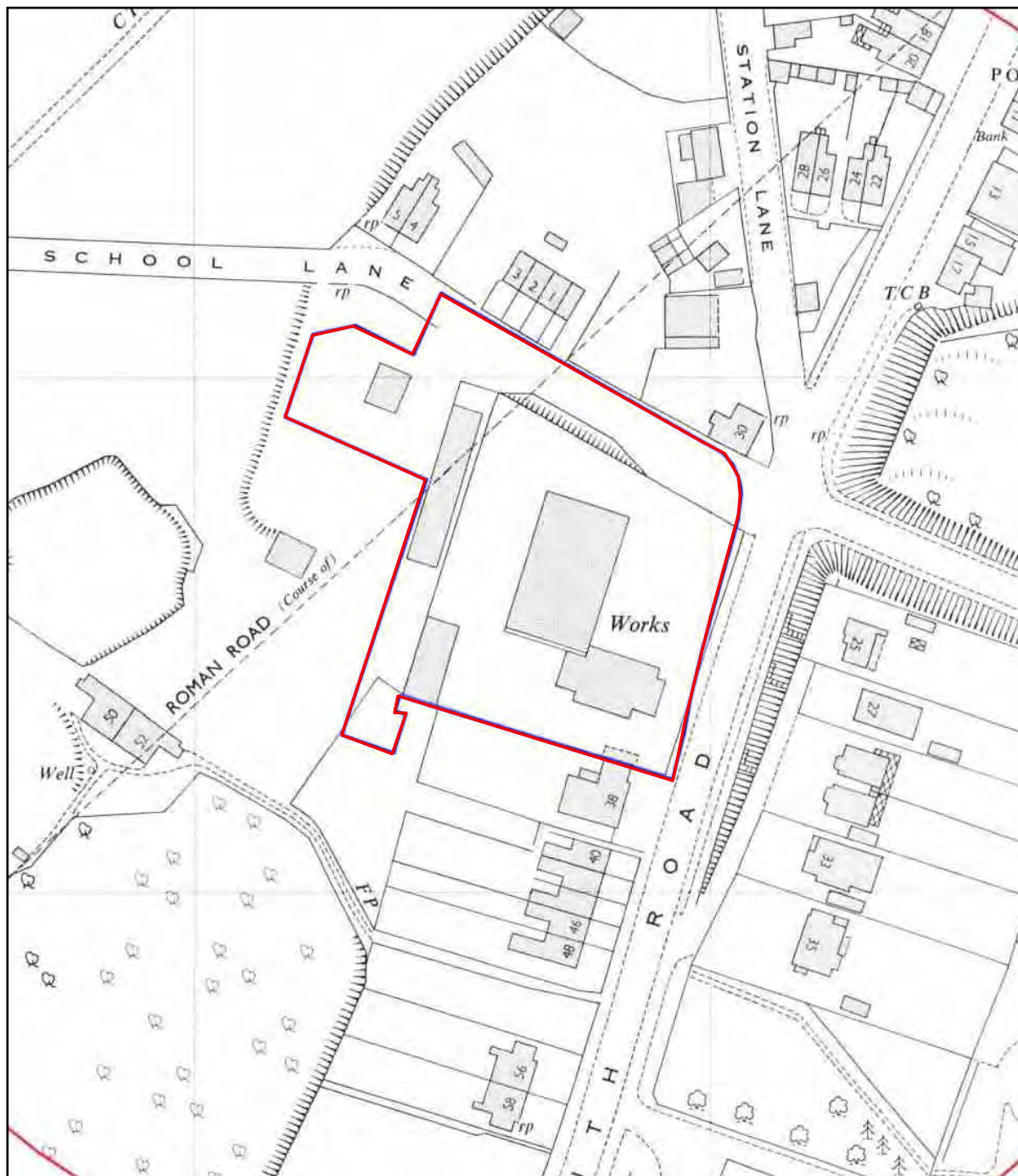
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Project No.
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Site History

Figure J

Reproduced from the 1957 edition Ordnance Survey sheet SU4320SW at 1:1250 scale



Project : School Lane, Chandler's Ford, Eastleigh, Hampshire

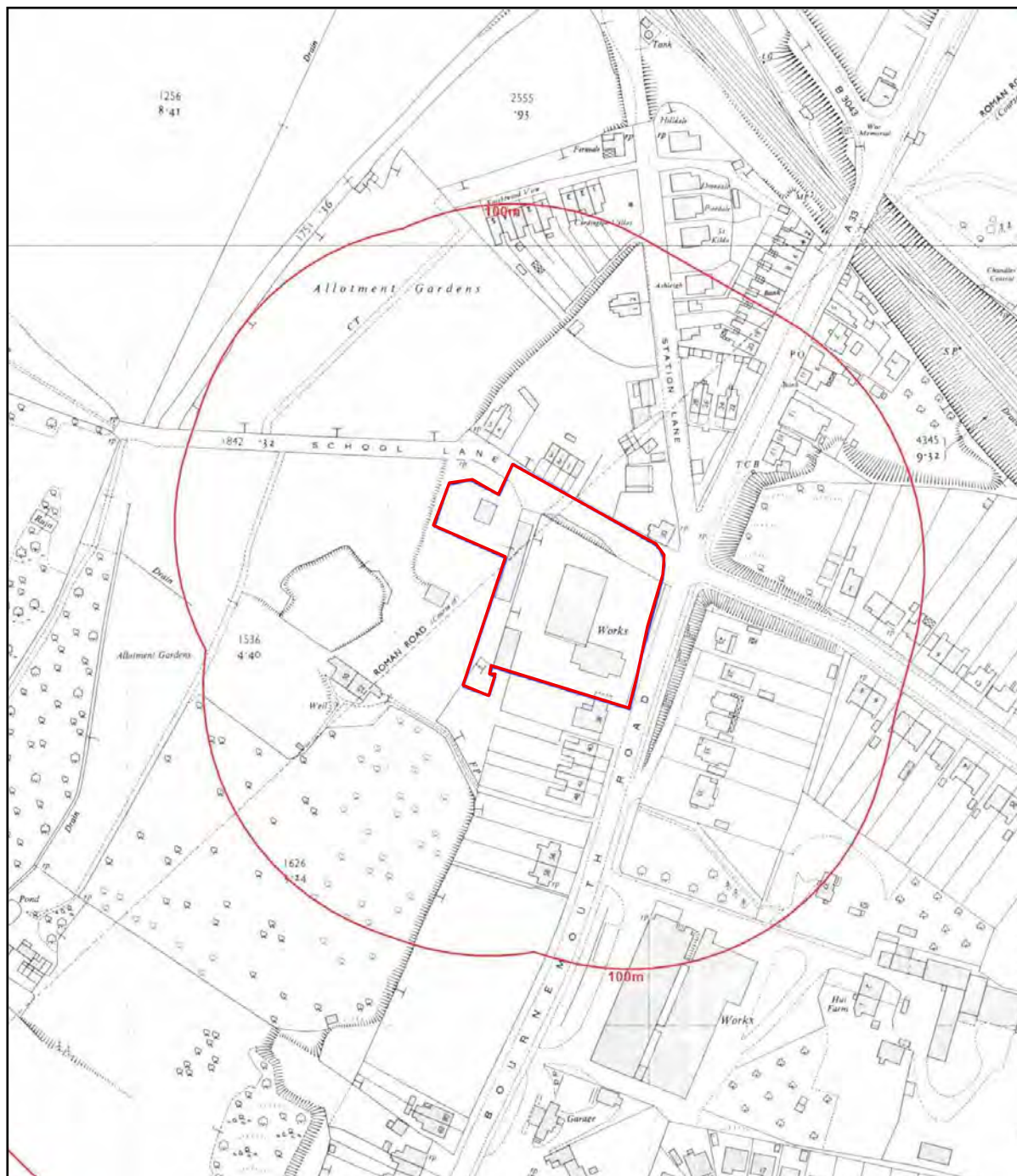
Client : Portakabin Group



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Project No.
132887

Figure K



Client : Portakabin Group



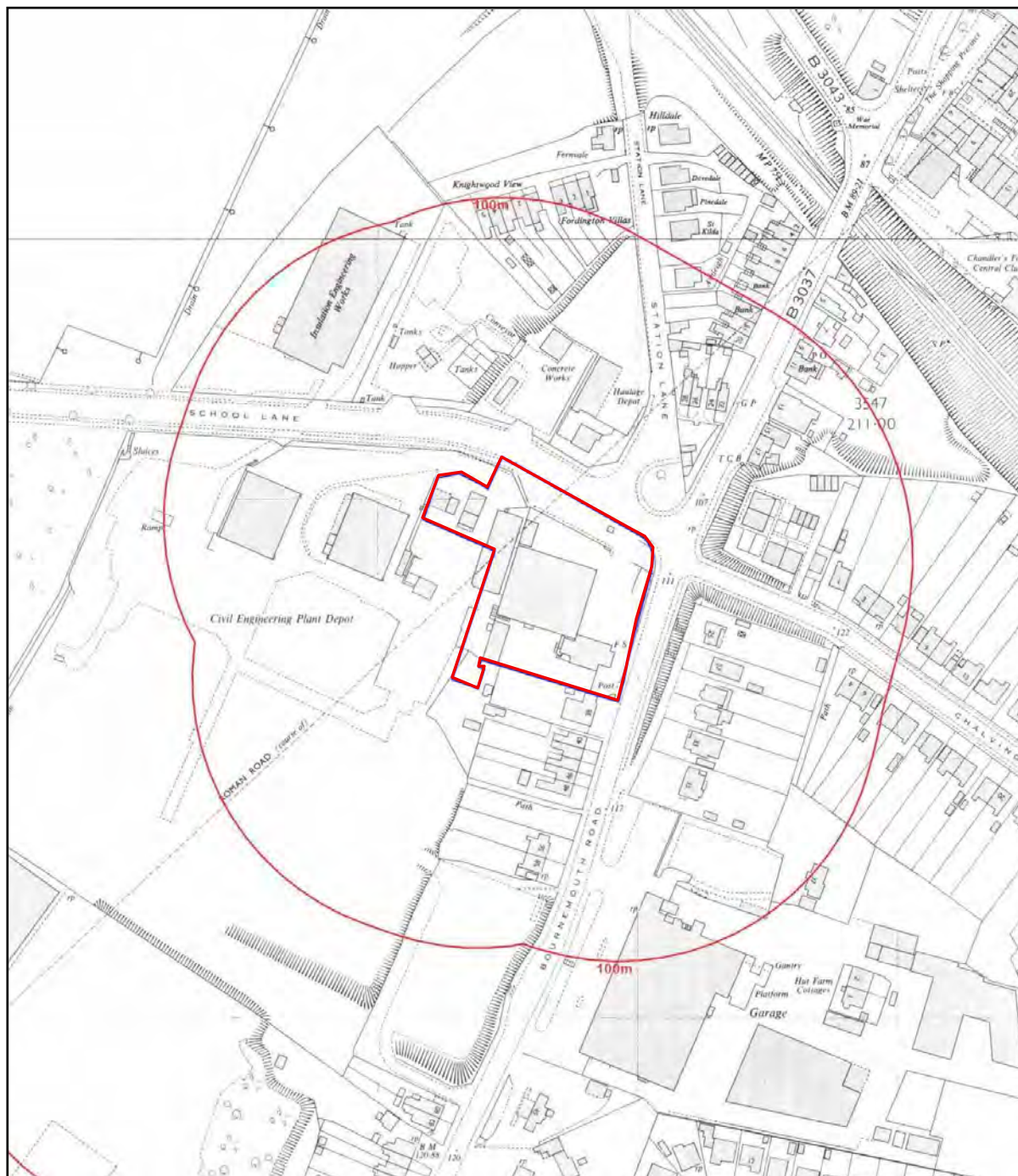
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Project No.	132887
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Site History

Figure L

Reproduced from the 1970 edition Ordnance Survey sheet SU4320 at 1:2500 scale



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Client : Portakabin Group



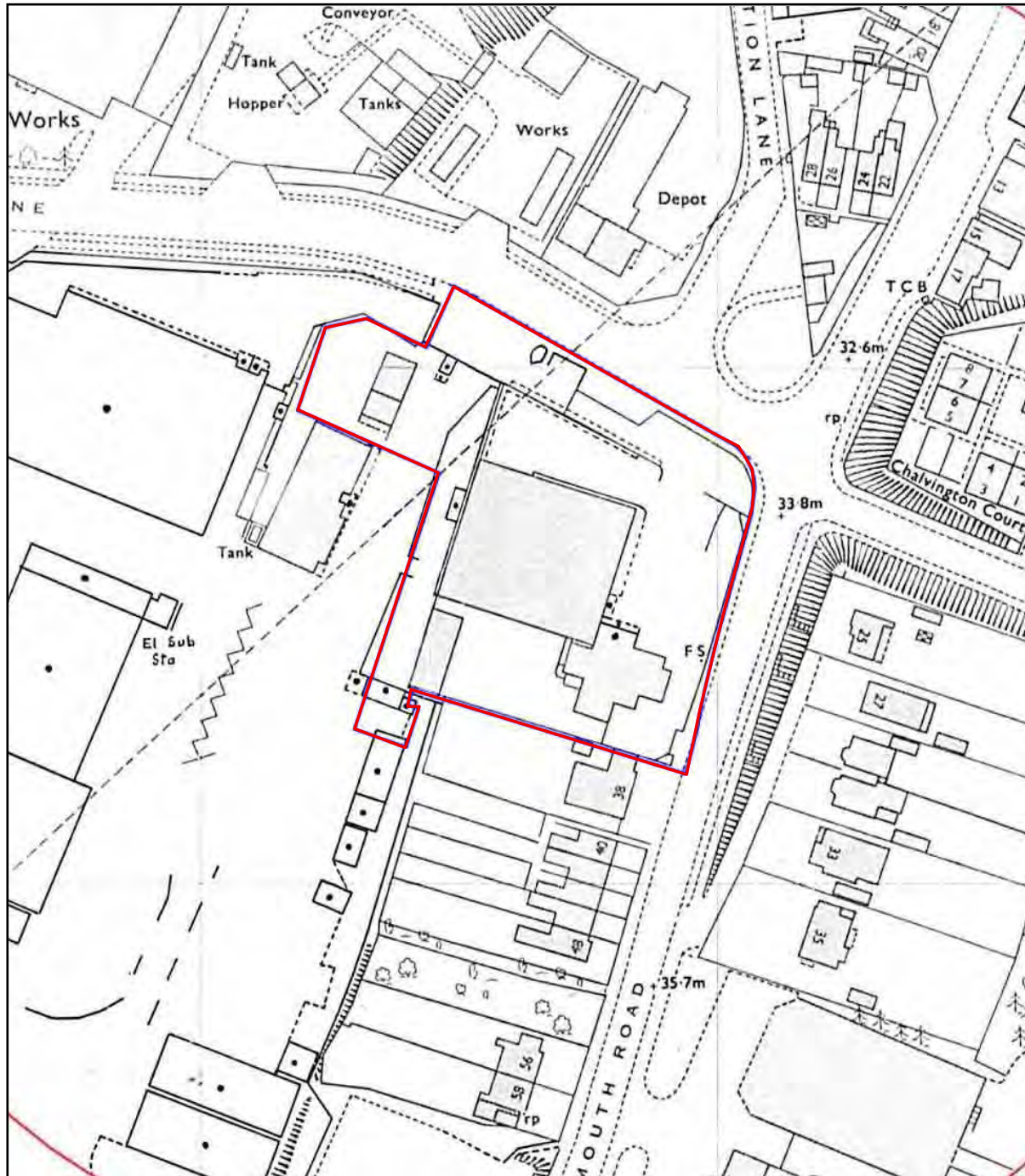
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132887

Site History

Figure M

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Client : Portakabin Group



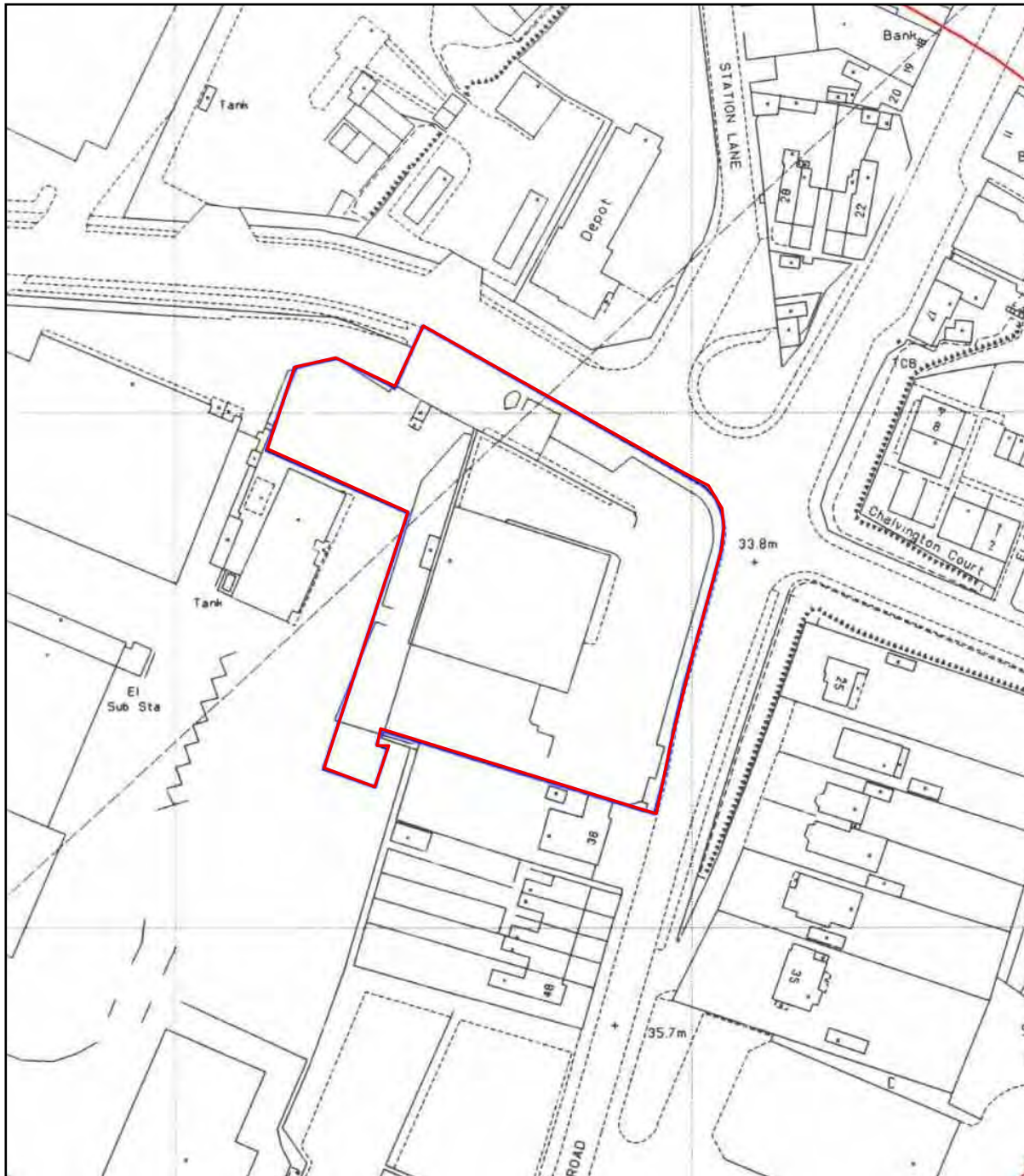
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Peterborough Tel : 01733 566566

Project No.
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Site History

Figure N

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Client : Portakabin Group



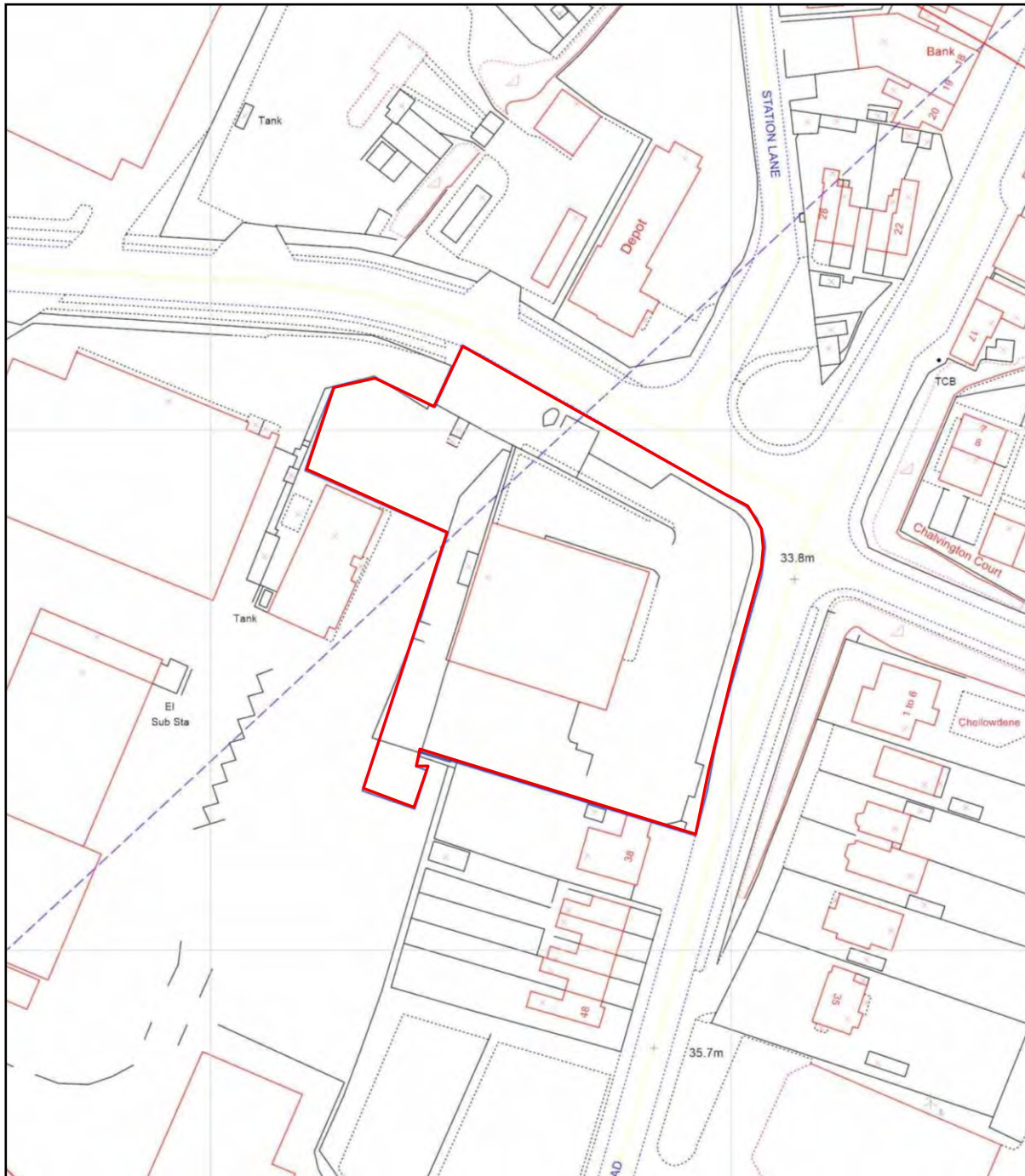
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Site History

Figure O

Reproduced from the **2003** edition Ordnance Survey sheet **LandLine Map** at **1:1250** scale
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Project No.
132887

APPENDIX 3

ENVIRONMENTAL SEARCHES

32-36 Bournemouth Rd, Chandler's Ford, Eastleigh SO53 3ZL

Order Details

Date: 23/05/2025
Your ref: 21571
Our Ref: HMD-83B-CWO-WNC-17H

Site Details

Location: 443265 120368
Area: 0.51 ha
Authority: [Eastleigh Borough Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

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 >	4	8	56	28	-
19 >	1.2 >	Historical tanks >	0	5	18	43	-
22 >	1.3 >	Historical energy features >	0	2	8	26	-
23 >	1.4 >	Historical petrol stations >	0	0	1	0	-
24 >	1.5 >	Historical garages >	0	4	9	6	-
25	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
26 >	2.1 >	Historical industrial land uses >	5	8	61	31	-
30 >	2.2 >	Historical tanks >	0	10	26	58	-
34 >	2.3 >	Historical energy features >	0	4	19	50	-
37 >	2.4 >	Historical petrol stations >	0	0	1	0	-
37 >	2.5 >	Historical garages >	0	5	14	6	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
39	3.1	Active or recent landfill	0	0	0	0	-
39	3.2	Historical landfill (BGS records)	0	0	0	0	-
40	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
40	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
40	3.5	Historical waste sites	0	0	0	0	-
40 >	3.6 >	Licensed waste sites >	0	0	0	1	-
41 >	3.7 >	Waste exemptions >	0	2	5	24	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	4.1 >	Recent industrial land uses >	1	7	36	-	-
47	4.2	Current or recent petrol stations	0	0	0	0	-
48	4.3	Electricity cables	0	0	0	0	-
48	4.4	Gas pipelines	0	0	0	0	-
48	4.5	Sites determined as Contaminated Land	0	0	0	0	-



48	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
48	4.7	Regulated explosive sites	0	0	0	0	-
49	4.8	Hazardous substance storage/usage	0	0	0	0	-
49	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
49 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	1	1	3	-
50	4.12	Radioactive Substance Authorisations	0	0	0	0	-
50 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	13	-
52	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
52	4.15	Pollutant release to public sewer	0	0	0	0	-
53	4.16	List 1 Dangerous Substances	0	0	0	0	-
53	4.17	List 2 Dangerous Substances	0	0	0	0	-
53 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	3	1	-
54	4.19	Pollution inventory substances	0	0	0	0	-
54	4.20	Pollution inventory waste transfers	0	0	0	0	-
54	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
55 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
57 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
59 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
60	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61	5.6	Groundwater abstractions	0	0	0	0	0
61	5.7	Surface water abstractions	0	0	0	0	0
61	5.8	Potable abstractions	0	0	0	0	0
61	5.9	Source Protection Zones	0	0	0	0	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
63 >	6.1 >	Water Network (OS MasterMap) >	0	0	4	-	-



64 >	6.2 >	Surface water features >	0	0	2	-	-
64 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
65 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
65 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
66	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
67	7.2	Historical Flood Events	0	0	0	-	-
67	7.3	Flood Defences	0	0	0	-	-
67 >	7.4 >	Areas Benefiting from Flood Defences >	0	0	2	-	-
67	7.5	Flood Storage Areas	0	0	0	-	-
68	7.6	Flood Zone 2	None (within 50m)				
68	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
69 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
71 >	9.1 >	Groundwater flooding >	Moderate-High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
72	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
73	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
73	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
73	10.4	Special Protection Areas (SPA)	0	0	0	0	0
73	10.5	National Nature Reserves (NNR)	0	0	0	0	0
74 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	6
74 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	24
75	10.8	Biosphere Reserves	0	0	0	0	0
76	10.9	Forest Parks	0	0	0	0	0
76	10.10	Marine Conservation Zones	0	0	0	0	0
76	10.11	Green Belt	0	0	0	0	0
76	10.12	Proposed Ramsar sites	0	0	0	0	0



76	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
77	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
77	10.15	Nitrate Sensitive Areas	0	0	0	0	0
77 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	1
78 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
79	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
80	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	11.4	Listed Buildings	0	0	0	-	-
81	11.5	Conservation Areas	0	0	0	-	-
81	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	12.1 >	Agricultural Land Classification >	Grade 4 (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	Tree Felling Licences	0	0	0	-	-
83	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	13.1 >	Priority Habitat Inventory >	0	0	5	-	-
86	13.2	Habitat Networks	0	0	0	-	-
86	13.3	Open Mosaic Habitat	0	0	0	-	-
86	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
87 >	14.1 >	10k Availability >	Identified (within 500m)				
88 >	14.2 >	Artificial and made ground (10k) >	0	0	0	2	-
89 >	14.3 >	Superficial geology (10k) >	0	0	1	2	-

90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	1	0	0	2	-
92	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
93 >	15.1 >	50k Availability >	Identified (within 500m)				
94 >	15.2 >	Artificial and made ground (50k) >	0	0	0	2	-
95	15.3	Artificial ground permeability (50k)	0	0	-	-	-
96 >	15.4 >	Superficial geology (50k) >	0	0	1	1	-
97	15.5	Superficial permeability (50k)	None (within 50m)				
97	15.6	Landslip (50k)	0	0	0	0	-
97	15.7	Landslip permeability (50k)	None (within 50m)				
98 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
99 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
99	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
100 >	16.1 >	BGS Boreholes >	0	0	19	-	-
Page	Section	Natural ground subsidence >					
102 >	17.1 >	Shrink swell clays >	Moderate (within 50m)				
103 >	17.2 >	Running sands >	Very low (within 50m)				
104 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
105 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
106 >	17.5 >	Landslides >	Very low (within 50m)				
107 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	18.1 >	BritPits >	0	0	2	4	-
111 >	18.2 >	Surface ground workings >	1	8	36	-	-
113	18.3	Underground workings	0	0	0	0	0
113	18.4	Underground mining extents	0	0	0	0	-
113	18.5	Historical Mineral Planning Areas	0	0	0	0	-

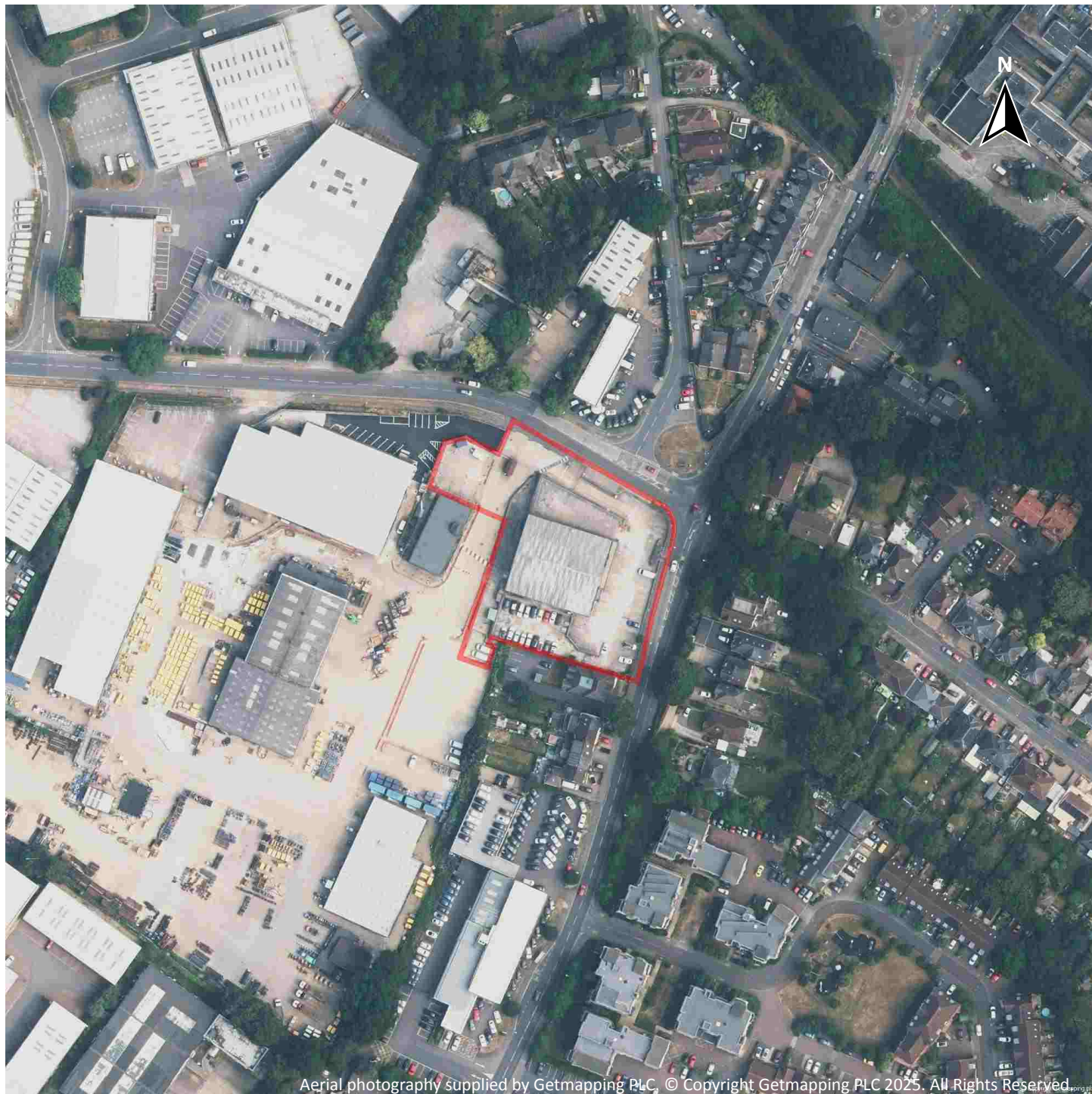


114 >	18.6 >	Non-coal mining >	0	0	0	0	1
114	18.7	JPB mining areas	None (within 0m)				
114	18.8	The Coal Authority non-coal mining	0	0	0	0	-
114	18.9	Researched mining	0	0	0	0	-
115	18.10	Mining record office plans	0	0	0	0	-
115	18.11	BGS mine plans	0	0	0	0	-
115	18.12	Coal mining	None (within 0m)				
115	18.13	Brine areas	None (within 0m)				
116	18.14	Gypsum areas	None (within 0m)				
116	18.15	Tin mining	None (within 0m)				
116	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
117	19.1	Natural cavities	0	0	0	0	-
117	19.2	Mining cavities	0	0	0	0	0
117	19.3	Reported recent incidents	0	0	0	0	-
117	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
119 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
121	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	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
122	22.1	Underground railways (London)	0	0	0	-	-
122	22.2	Underground railways (Non-London)	0	0	0	-	-
123	22.3	Railway tunnels	0	0	0	-	-
123 >	22.4 >	Historical railway and tunnel features >	0	0	26	-	-
124	22.5	Royal Mail tunnels	0	0	0	-	-
124 >	22.6 >	Historical railways >	0	0	1	-	-



125 >	22.7 >	Railways >	0	0	7	-	-
125	22.8	Crossrail 2	0	0	0	0	-
125	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 25/06/2023

Site Area: 0.51ha



Recent site history - 2020 aerial photograph



Capture Date: 05/04/2020

Site Area: 0.51ha



Recent site history - 2013 aerial photograph



Capture Date: 03/06/2013

Site Area: 0.51ha



Recent site history - 2005 aerial photograph



Capture Date: 27/05/2005

Site Area: 0.51ha



Recent site history - 1999 aerial photograph

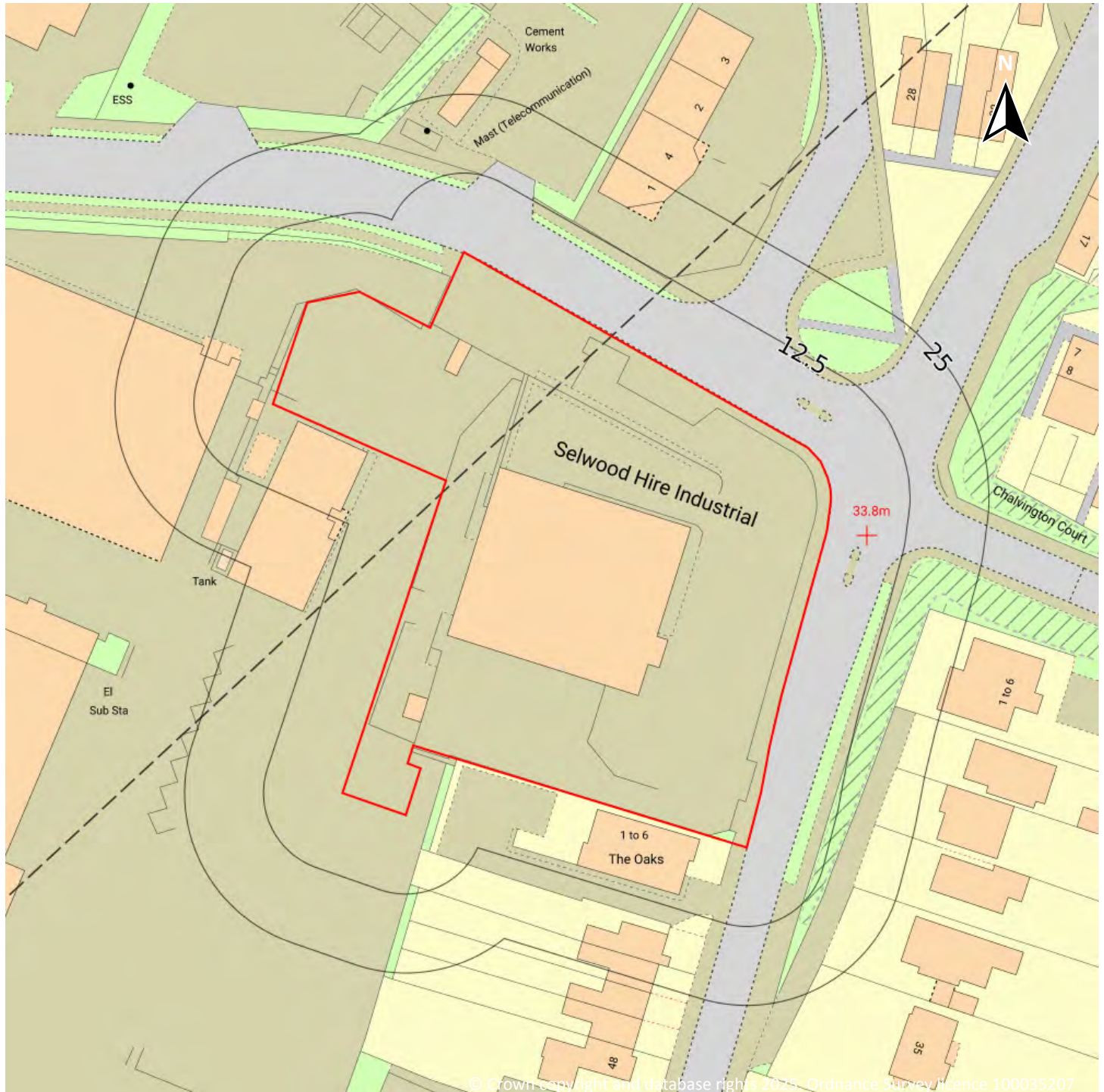


Capture Date: 30/04/1999

Site Area: 0.51ha



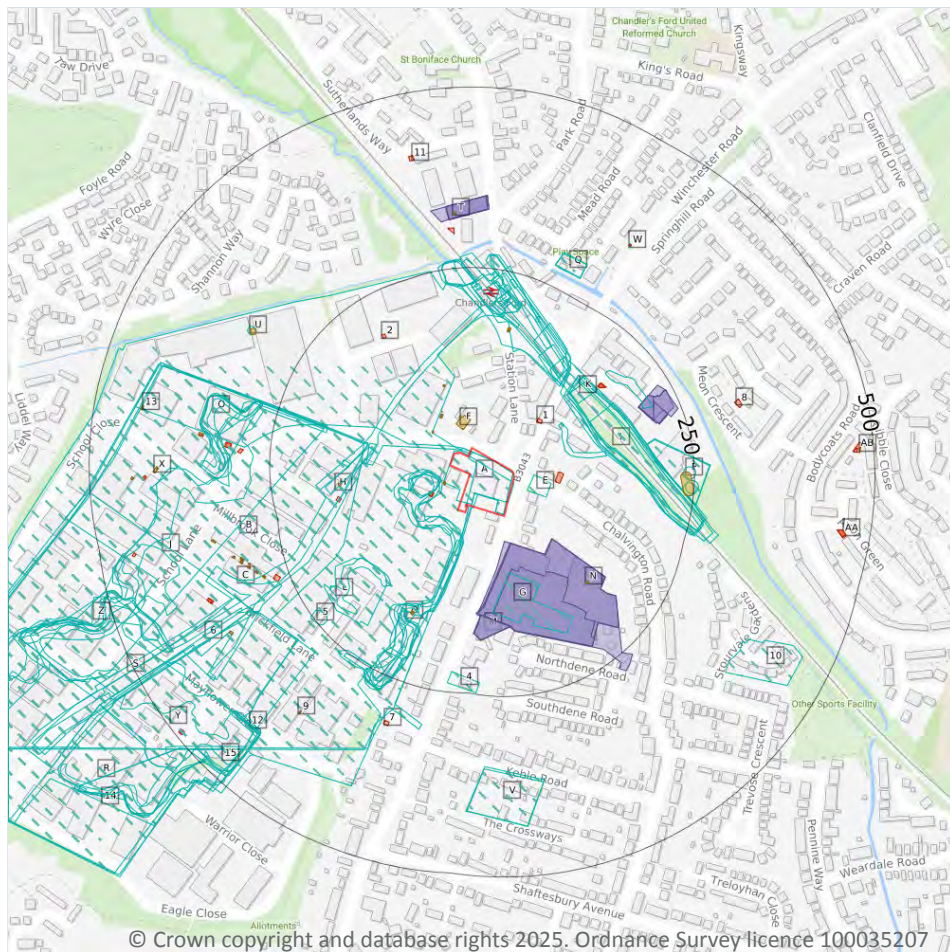
OS MasterMap site plan



Site Area: 0.51ha



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

96

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	On site	Unspecified Depot	1973	1887091



ID	Location	Land use	Dates present	Group ID
B	On site	Industrial Estate	1981 - 1991	1919595
B	On site	Industrial Estate	1973	1945089
C	On site	Brick Works	1897	1997008
D	19m SW	Unspecified Ground Workings	1897	1955913
D	20m SW	Old Clay Pits	1908	1907001
A	22m W	Unspecified Pit	1931	1981241
E	22m E	Cuttings	1958	1886377
A	23m SW	Unspecified Ground Workings	1895	1984267
A	24m W	Unspecified Pit	1938	1940625
A	26m W	Unspecified Pit	1958	1921001
D	40m SW	Unspecified Ground Workings	1958	1964390
E	78m E	Unspecified Ground Workings	1897	1881835
G	79m S	Garage	1973	1897412
B	104m NW	Railway Sidings	1895	1968919
H	106m W	Railway Sidings	1908	1929467
H	107m W	Railway Sidings	1897	1967649
I	116m NE	Cuttings	1895	1997608
J	118m W	Brick Field	1958	1954194
I	121m NE	Cuttings	1897	1958603
I	122m NE	Cuttings	1958 - 1991	1981278
J	122m W	Brick Works	1895	1996506
I	125m NE	Cuttings	1908	1939011
I	126m NE	Cuttings	1938	1961840
I	127m NE	Cuttings	1931	1934589
I	127m NE	Cuttings	1868	1971269
K	132m NE	Cuttings	1931	1946885
L	134m SW	Old Clay Pits	1908	1907000
K	134m NE	Railway Sidings	1958	1964190



ID	Location	Land use	Dates present	Group ID
L	136m SW	Unspecified Pit	1895 - 1897	1920558
K	136m NE	Railway Sidings	1908	1979863
K	138m NE	Cuttings	1897	1928533
K	138m NE	Cuttings	1908	1957408
H	138m W	Unspecified Kiln	1908	1911477
D	142m SW	Unspecified Ground Workings	1931	1992656
D	144m SW	Unspecified Ground Workings	1895	1984255
K	147m NE	Railway Sidings	1931	1950285
K	147m NE	Railway Sidings	1897	1962273
D	155m SW	Unspecified Pit	1958	1979201
D	156m SW	Unspecified Pit	1938	1931852
K	171m NE	Railway Sidings	1938	1942550
J	177m W	Unspecified Ground Workings	1897	1980044
K	178m N	Railway Sidings	1897	1968442
J	182m W	Unspecified Pit	1895	1980522
O	182m W	Unspecified Factory	1973	1889445
K	186m N	Railway Station	1958	1960919
K	187m NE	Unspecified Ground Workings	1931	1881831
K	187m N	Railway Station	1938	1938725
K	188m N	Railway Station	1897	1915035
P	189m E	Sewage Works	1931	1942660
P	190m E	Sewage Works	1938	1916323
K	190m N	Railway Station	1908 - 1931	1925586
K	196m N	Unspecified Tank	1868	1894481
K	205m N	Railway Station	1973	1952804
K	205m N	Railway Station	1895	1980133
K	218m N	Railway Building	1958	1910583
D	220m SW	Unspecified Pit	1958	1917233



ID	Location	Land use	Dates present	Group ID
K	221m N	Railway Station	1868	1990058
4	221m S	Police Station	1981	1908969
K	224m N	Unspecified Heap	1958	1960992
K	225m N	Unspecified Heap	1938	1932622
K	226m N	Unspecified Heap	1931	1936763
K	227m N	Railway Building	1958	1910581
K	229m N	Railway Building	1897	1910582
5	234m SW	Old Clay Pits	1908	1906999
P	235m E	Unspecified Tank	1958	1986570
P	235m E	Unspecified Tank	1931	1894466
P	238m E	Unspecified Tank	1931	1935018
6	266m SW	Railway Sidings	1897	1939481
O	273m W	Unspecified Ground Workings	1908	1935132
O	275m W	Unspecified Ground Workings	1931	1969982
O	275m W	Unspecified Pit	1938	1948846
O	276m W	Unspecified Ground Workings	1958	1928323
Q	278m N	Sewage Pumping Station	1938	1979325
Q	279m N	Sewage Pumping Station	1931	1922332
R	285m SW	Brick Works	1938	1915549
S	287m SW	Brick Works	1908	1950323
S	318m SW	Railway Sidings	1908	1922604
U	322m NW	Unspecified Tank	1991	1894480
S	329m SW	Brick Field	1938	1993213
V	348m S	Nursery	1931	1937077
V	351m S	Nursery	1938	1924431
10	371m SE	Nursery	1958	1898228
S	395m W	Old Clay Pits	1908	1907002
R	410m SW	Unspecified Ground Workings	1908 - 1931	1976333



ID	Location	Land use	Dates present	Group ID
12	412m SW	Unspecified Pit	1958	1961545
R	413m SW	Unspecified Pit	1938	1937810
Y	415m SW	Unspecified Pit	1895 - 1897	1962007
S	440m SW	Unspecified Ground Workings	1931	1934180
R	440m SW	Unspecified Ground Workings	1957	1969749
14	445m SW	Unspecified Disused Works	1957	1921583
15	445m SW	Unspecified Pit	1957	1977791
Z	448m SW	Unspecified Ground Workings	1958	1982050
Z	454m W	Unspecified Ground Workings	1973	1992289
R	489m SW	Unspecified Pit	1957	1951918
R	489m SW	Unspecified Pit	1969	1978672

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	66
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	24m W	Unspecified Tank	1974 - 1987	337291
A	25m W	Unspecified Tank	1993	343469
F	28m N	Tanks	1966 - 1983	330504
F	41m NW	Unspecified Tank	1970	343931
F	41m NW	Unspecified Tank	1966	335093
F	52m NW	Tanks	1966 - 1970	343615
F	53m NW	Unspecified Tank	1993	336080



ID	Location	Land use	Dates present	Group ID
F	53m NW	Unspecified Tank	1974 - 1983	336283
F	60m NW	Tanks	1966	317864
F	93m NW	Unspecified Tank	1970	334973
F	93m NW	Unspecified Tank	1966	342229
N	145m SE	Unspecified Tank	1983	329652
N	145m SE	Unspecified Tank	1987	332818
N	147m SE	Unspecified Tank	1993	343034
N	147m SE	Unspecified Tank	1974	328053
D	153m SW	Unspecified Tank	1974 - 1987	338513
H	153m W	Unspecified Tank	1983 - 1993	335946
D	154m SW	Unspecified Tank	1993	334870
K	168m N	Unspecified Tank	1933	335579
K	170m N	Unspecified Tank	1939	339269
K	171m N	Tank (Fuel)	1950	319345
K	171m N	Unspecified Tank	1950 - 1959	331168
P	231m E	Tanks	1933 - 1939	335118
B	282m SW	Unspecified Tank	1970	329037
B	282m SW	Unspecified Tank	1988	331688
B	282m SW	Unspecified Tank	1980	333252
B	283m SW	Unspecified Tank	1995	340214
B	283m SW	Unspecified Tank	1995	328881
B	283m SW	Unspecified Tank	1987	339159
B	290m W	Unspecified Tank	1988	326991
B	290m W	Unspecified Tank	1980	332617
B	291m W	Unspecified Tank	1995	327759
B	291m W	Unspecified Tank	1995	333623
B	291m W	Unspecified Tank	1987	341233
B	297m W	Unspecified Tank	1987	324279



ID	Location	Land use	Dates present	Group ID
B	299m W	Unspecified Tank	1980	341397
B	299m W	Unspecified Tank	1988	341621
B	299m W	Unspecified Tank	1995	328562
B	299m W	Unspecified Tank	1995	344162
B	300m W	Unspecified Tank	1987	336133
B	304m W	Tanks	1970	317861
B	305m W	Unspecified Tank	1988 - 1995	332067
B	305m W	Unspecified Tank	1980	342047
B	306m W	Unspecified Tank	1987	332109
B	306m W	Tanks	1970	317863
B	307m W	Unspecified Tank	1988	327308
B	307m W	Unspecified Tank	1980	341153
B	307m W	Unspecified Tank	1995	336870
B	307m W	Unspecified Tank	1995	341207
B	308m W	Unspecified Tank	1987	331940
B	316m W	Unspecified Tank	1980	328581
B	316m W	Tanks	1970	317862
B	317m W	Unspecified Tank	1987	331366
U	321m NW	Unspecified Tank	1990 - 1997	327462
T	324m N	Unspecified Tank	1970	343442
T	324m N	Unspecified Tank	1966	328323
B	338m W	Unspecified Tank	1970	339782
B	339m W	Unspecified Tank	1980 - 1995	339898
O	344m W	Unspecified Tank	1980 - 1988	343552
9	353m SW	Unspecified Tank	1974 - 1983	336816
C	355m SW	Unspecified Tank	1980 - 1995	342086
X	404m W	Tanks	1980 - 1987	328862
X	404m W	Tanks	1970	335241



ID	Location	Land use	Dates present	Group ID
13	432m W	Unspecified Tank	1970	324267
X	439m W	Unspecified Tank	1980	327224
X	439m W	Unspecified Tank	1988	337393

This data is sourced from Ordnance Survey / Groundsure.

1.3 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, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	39m W	Electricity Substation	1983 - 1993	226832
A	40m W	Electricity Substation	1974	217090
E	58m E	Electricity Substation	1974 - 1993	227708
1	76m NE	Electricity Substation	1950	223017
H	158m W	Electricity Substation	1974 - 1993	215251
K	167m NE	Electricity Substation	1986	234226
K	168m NE	Electricity Substation	1993	228679
K	168m NE	Electricity Substation	1989	212109
2	187m NW	Electricity Substation	1989 - 1993	216153
3	196m SE	Electricity Substation	1974 - 1993	227430
B	263m SW	Electricity Substation	1980 - 1995	214634
O	287m W	Electricity Substation	1995	228347
T	298m N	Electricity Substation	1989 - 1993	214005
O	304m W	Electricity Substation	1970	233331
O	305m W	Electricity Substation	1980 - 1988	214725



ID	Location	Land use	Dates present	Group ID
7	309m SW	Electricity Substation	1974 - 1993	219548
8	322m E	Electricity Substation	1974 - 1993	228708
O	344m W	Electricity Substation	1995	233048
W	351m NE	Electricity Substation	1989	219493
W	352m NE	Electricity Substation	1993	219741
C	362m SW	Electricity Substation	1980	215006
C	362m SW	Electricity Substation	1988 - 1995	234465
C	363m SW	Electricity Substation	1987	230531
11	407m N	Electricity Substation	1986 - 1993	226885
X	421m W	Electricity Substation	1970	227747
X	421m W	Electricity Substation	1980	216435
J	450m W	Electricity Substation	1995	231212
AA	454m E	Electricity Substation	1983	228563
AA	455m E	Electricity Substation	1974	219817
AA	455m E	Electricity Substation	1987 - 1993	233105
AB	471m E	Electricity Substation	1983	215306
AB	471m E	Electricity Substation	1974	212322
AB	471m E	Electricity Substation	1987 - 1993	213277
Y	488m SW	Electricity Substation	1987	212070
Y	488m SW	Electricity Substation	1980	216959
Y	488m SW	Electricity Substation	1988 - 1995	232438

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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.



Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
K	171m N	Tank (Fuel)	1950	3527

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	19
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
G	35m S	Garage	1993	71793
G	38m SE	Garage	1983 - 1987	68350
G	39m SE	Garage	1966	72366
G	39m SE	Garage	1974	72413
G	74m SE	Garage	1970	71488
M	141m S	Garage	1964	70035
M	141m S	Garage	1959	72538
M	141m S	Garage	1957	71419
K	196m NE	Garage	1983 - 1987	70085
K	196m NE	Garage	1970	69979
K	196m NE	Garage	1966 - 1974	72447
K	196m NE	Garage	1987 - 1993	71822
K	208m E	Garage	1983	69354
T	316m N	Garage	1966	68767
T	318m N	Garage	1959	68783
T	318m N	Garage	1970	69561



ID	Location	Land use	Dates present	Group ID
T	318m N	Garage	1964	71734
T	318m N	Garage	1962	69363
T	318m N	Garage	1950	69903

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

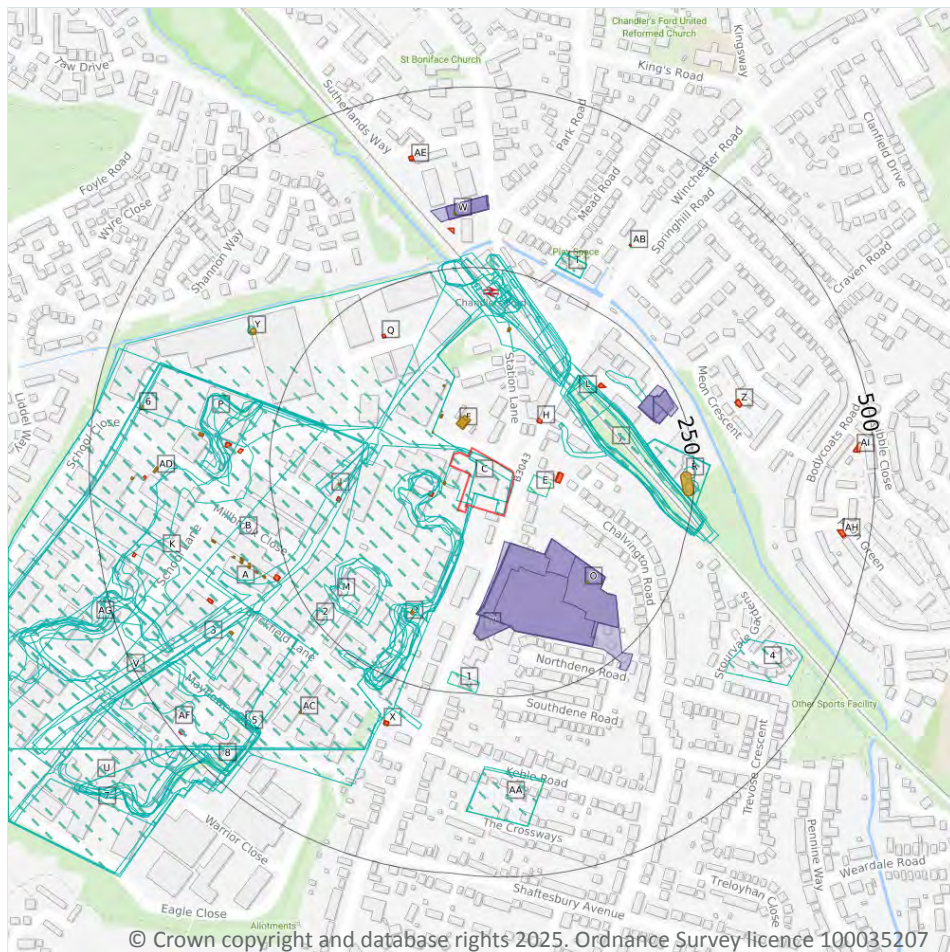
0

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

105

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 26](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Brick Works	1897	1997008
B	On site	Industrial Estate	1991	1919595
B	On site	Industrial Estate	1981	1919595



ID	Location	Land Use	Date	Group ID
B	On site	Industrial Estate	1973	1945089
C	On site	Unspecified Depot	1973	1887091
D	19m SW	Unspecified Ground Workings	1897	1955913
D	20m SW	Old Clay Pits	1908	1907001
C	22m W	Unspecified Pit	1931	1981241
E	22m E	Cuttings	1958	1886377
C	23m SW	Unspecified Ground Workings	1895	1984267
C	24m W	Unspecified Pit	1938	1940625
C	26m W	Unspecified Pit	1958	1921001
D	40m SW	Unspecified Ground Workings	1958	1964390
E	78m E	Unspecified Ground Workings	1897	1881835
G	79m S	Garage	1973	1897412
B	104m NW	Railway Sidings	1895	1968919
I	106m W	Railway Sidings	1908	1929467
I	107m W	Railway Sidings	1897	1967649
J	116m NE	Cuttings	1895	1997608
K	118m W	Brick Field	1958	1954194
J	121m NE	Cuttings	1897	1958603
J	122m NE	Cuttings	1991	1981278
J	122m NE	Cuttings	1981	1981278
J	122m NE	Cuttings	1958	1981278
J	122m NE	Cuttings	1973	1981278
K	122m W	Brick Works	1895	1996506
J	125m NE	Cuttings	1908	1939011
J	126m NE	Cuttings	1938	1961840
J	127m NE	Cuttings	1931	1934589
J	127m NE	Cuttings	1868	1971269
L	132m NE	Cuttings	1931	1946885



ID	Location	Land Use	Date	Group ID
M	134m SW	Old Clay Pits	1908	1907000
L	134m NE	Railway Sidings	1958	1964190
M	136m SW	Unspecified Pit	1897	1920558
L	136m NE	Railway Sidings	1908	1979863
L	138m NE	Cuttings	1897	1928533
L	138m NE	Cuttings	1908	1957408
I	138m W	Unspecified Kiln	1908	1911477
D	142m SW	Unspecified Ground Workings	1931	1992656
M	143m SW	Unspecified Pit	1895	1920558
D	144m SW	Unspecified Ground Workings	1895	1984255
L	147m NE	Railway Sidings	1931	1950285
L	147m NE	Railway Sidings	1897	1962273
D	155m SW	Unspecified Pit	1958	1979201
D	156m SW	Unspecified Pit	1938	1931852
L	171m NE	Railway Sidings	1938	1942550
K	177m W	Unspecified Ground Workings	1897	1980044
L	178m N	Railway Sidings	1897	1968442
K	182m W	Unspecified Pit	1895	1980522
P	182m W	Unspecified Factory	1973	1889445
L	186m N	Railway Station	1958	1960919
L	187m NE	Unspecified Ground Workings	1931	1881831
L	187m N	Railway Station	1938	1938725
L	188m N	Railway Station	1897	1915035
R	189m E	Sewage Works	1931	1942660
R	190m E	Sewage Works	1938	1916323
L	190m N	Railway Station	1931	1925586
L	196m N	Unspecified Tank	1868	1894481
L	205m N	Railway Station	1973	1952804



ID	Location	Land Use	Date	Group ID
L	205m N	Railway Station	1895	1980133
L	209m N	Railway Station	1908	1925586
L	218m N	Railway Building	1958	1910583
D	220m SW	Unspecified Pit	1958	1917233
L	221m N	Railway Station	1868	1990058
1	221m S	Police Station	1981	1908969
L	224m N	Unspecified Heap	1958	1960992
L	225m N	Unspecified Heap	1938	1932622
L	226m N	Unspecified Heap	1931	1936763
L	227m N	Railway Building	1958	1910581
L	229m N	Railway Building	1897	1910582
2	234m SW	Old Clay Pits	1908	1906999
R	235m E	Unspecified Tank	1958	1986570
R	235m E	Unspecified Tank	1931	1894466
R	238m E	Unspecified Tank	1931	1935018
3	266m SW	Railway Sidings	1897	1939481
P	273m W	Unspecified Ground Workings	1908	1935132
P	275m W	Unspecified Ground Workings	1931	1969982
P	275m W	Unspecified Pit	1938	1948846
P	276m W	Unspecified Ground Workings	1958	1928323
T	278m N	Sewage Pumping Station	1938	1979325
T	279m N	Sewage Pumping Station	1931	1922332
U	285m SW	Brick Works	1938	1915549
V	287m SW	Brick Works	1908	1950323
V	318m SW	Railway Sidings	1908	1922604
Y	322m NW	Unspecified Tank	1991	1894480
V	329m SW	Brick Field	1938	1993213
AA	348m S	Nursery	1931	1937077



ID	Location	Land Use	Date	Group ID
AA	351m S	Nursery	1938	1924431
4	371m SE	Nursery	1958	1898228
V	395m W	Old Clay Pits	1908	1907002
U	410m SW	Unspecified Ground Workings	1931	1976333
5	412m SW	Unspecified Pit	1958	1961545
U	413m SW	Unspecified Pit	1938	1937810
AF	415m SW	Unspecified Pit	1897	1962007
AF	421m SW	Unspecified Pit	1895	1962007
V	440m SW	Unspecified Ground Workings	1931	1934180
U	440m SW	Unspecified Ground Workings	1957	1969749
U	440m SW	Unspecified Ground Workings	1957	1969749
7	445m SW	Unspecified Disused Works	1957	1921583
8	445m SW	Unspecified Pit	1957	1977791
AG	448m SW	Unspecified Ground Workings	1958	1982050
AG	454m W	Unspecified Ground Workings	1973	1992289
U	473m SW	Unspecified Ground Workings	1908	1976333
U	489m SW	Unspecified Pit	1957	1951918
U	489m SW	Unspecified Pit	1969	1978672

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

94

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 26 >](#)

ID	Location	Land Use	Date	Group ID
C	24m W	Unspecified Tank	1983	337291
C	24m W	Unspecified Tank	1987	337291



ID	Location	Land Use	Date	Group ID
C	24m W	Unspecified Tank	1974	337291
C	25m W	Unspecified Tank	1993	343469
F	28m N	Tanks	1970	330504
F	29m N	Tanks	1974	330504
F	29m N	Tanks	1966	330504
F	29m NW	Tanks	1983	330504
F	41m NW	Unspecified Tank	1970	343931
F	41m NW	Unspecified Tank	1966	335093
F	52m NW	Tanks	1970	343615
F	53m NW	Unspecified Tank	1993	336080
F	53m NW	Unspecified Tank	1974	336283
F	53m NW	Tanks	1966	343615
F	53m NW	Unspecified Tank	1983	336283
F	60m NW	Tanks	1966	317864
F	93m NW	Unspecified Tank	1970	334973
F	93m NW	Unspecified Tank	1966	342229
O	145m SE	Unspecified Tank	1983	329652
O	145m SE	Unspecified Tank	1987	332818
O	147m SE	Unspecified Tank	1993	343034
O	147m SE	Unspecified Tank	1974	328053
D	153m SW	Unspecified Tank	1983	338513
D	153m SW	Unspecified Tank	1987	338513
I	153m W	Unspecified Tank	1993	335946
D	153m SW	Unspecified Tank	1974	338513
I	154m W	Unspecified Tank	1983	335946
I	154m W	Unspecified Tank	1987	335946
D	154m SW	Unspecified Tank	1993	334870
L	168m N	Unspecified Tank	1933	335579



ID	Location	Land Use	Date	Group ID
L	170m N	Unspecified Tank	1939	339269
L	171m N	Tank (Fuel)	1950	319345
L	171m N	Unspecified Tank	1950	331168
L	171m N	Unspecified Tank	1959	331168
R	231m E	Tanks	1933	335118
R	231m E	Tanks	1939	335118
B	282m SW	Unspecified Tank	1970	329037
B	282m SW	Unspecified Tank	1988	331688
B	282m SW	Unspecified Tank	1980	333252
B	283m SW	Unspecified Tank	1995	340214
B	283m SW	Unspecified Tank	1995	328881
B	283m SW	Unspecified Tank	1987	339159
B	290m W	Unspecified Tank	1988	326991
B	290m W	Unspecified Tank	1980	332617
B	291m W	Unspecified Tank	1995	327759
B	291m W	Unspecified Tank	1995	333623
B	291m W	Unspecified Tank	1987	341233
B	297m W	Unspecified Tank	1987	324279
B	299m W	Unspecified Tank	1988	341621
B	299m W	Unspecified Tank	1980	341397
B	299m W	Unspecified Tank	1995	328562
B	299m W	Unspecified Tank	1995	344162
B	300m W	Unspecified Tank	1987	336133
B	304m W	Tanks	1970	317861
B	305m W	Unspecified Tank	1995	332067
B	305m W	Unspecified Tank	1995	332067
B	305m W	Unspecified Tank	1988	332067
B	305m W	Unspecified Tank	1980	342047



ID	Location	Land Use	Date	Group ID
B	306m W	Unspecified Tank	1987	332109
B	306m W	Tanks	1970	317863
B	307m W	Unspecified Tank	1988	327308
B	307m W	Unspecified Tank	1980	341153
B	307m W	Unspecified Tank	1995	336870
B	307m W	Unspecified Tank	1995	341207
B	308m W	Unspecified Tank	1987	331940
B	316m W	Unspecified Tank	1980	328581
B	316m W	Tanks	1970	317862
B	317m W	Unspecified Tank	1987	331366
Y	321m NW	Unspecified Tank	1997	327462
Y	322m NW	Unspecified Tank	1990	327462
W	324m N	Unspecified Tank	1970	343442
W	324m N	Unspecified Tank	1966	328323
B	338m W	Unspecified Tank	1970	339782
B	339m W	Unspecified Tank	1995	339898
B	339m W	Unspecified Tank	1995	339898
B	339m W	Unspecified Tank	1988	339898
B	339m W	Unspecified Tank	1980	339898
B	340m W	Unspecified Tank	1987	339898
P	344m W	Unspecified Tank	1988	343552
P	344m W	Unspecified Tank	1980	343552
P	346m W	Unspecified Tank	1987	343552
AC	353m SW	Unspecified Tank	1983	336816
AC	354m SW	Unspecified Tank	1974	336816
A	355m SW	Unspecified Tank	1995	342086
A	355m SW	Unspecified Tank	1995	342086
A	355m SW	Unspecified Tank	1988	342086



ID	Location	Land Use	Date	Group ID
A	355m SW	Unspecified Tank	1980	342086
A	355m SW	Unspecified Tank	1987	342086
AD	404m W	Tanks	1980	328862
AD	404m W	Tanks	1970	335241
AD	405m W	Tanks	1987	328862
6	432m W	Unspecified Tank	1970	324267
AD	439m W	Unspecified Tank	1988	337393
AD	439m W	Unspecified Tank	1980	327224

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

73

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 26 >](#)

ID	Location	Land Use	Date	Group ID
C	39m W	Electricity Substation	1993	226832
C	40m W	Electricity Substation	1974	217090
C	40m W	Electricity Substation	1983	226832
C	40m W	Electricity Substation	1987	226832
E	58m E	Electricity Substation	1983	227708
E	58m E	Electricity Substation	1987	227708
E	58m E	Electricity Substation	1974	227708
E	59m E	Electricity Substation	1993	227708
H	76m NE	Electricity Substation	1950	223017
H	76m NE	Electricity Substation	1950	223017
I	158m W	Electricity Substation	1983	215251
I	158m W	Electricity Substation	1987	215251



ID	Location	Land Use	Date	Group ID
I	158m W	Electricity Substation	1993	215251
I	158m W	Electricity Substation	1974	215251
L	167m NE	Electricity Substation	1986	234226
L	168m NE	Electricity Substation	1993	228679
L	168m NE	Electricity Substation	1989	212109
Q	187m NW	Electricity Substation	1993	216153
Q	188m NW	Electricity Substation	1989	216153
S	196m SE	Electricity Substation	1983	227430
S	196m SE	Electricity Substation	1987	227430
S	197m SE	Electricity Substation	1974	227430
S	197m SE	Electricity Substation	1993	227430
B	263m SW	Electricity Substation	1995	214634
B	263m SW	Electricity Substation	1995	214634
B	264m SW	Electricity Substation	1988	214634
B	264m SW	Electricity Substation	1980	214634
B	264m SW	Electricity Substation	1987	214634
P	287m W	Electricity Substation	1995	228347
P	287m W	Electricity Substation	1995	228347
W	298m N	Electricity Substation	1993	214005
W	299m N	Electricity Substation	1989	214005
P	304m W	Electricity Substation	1970	233331
P	305m W	Electricity Substation	1988	214725
P	305m W	Electricity Substation	1980	214725
P	306m W	Electricity Substation	1987	214725
X	309m SW	Electricity Substation	1974	219548
X	309m S	Electricity Substation	1983	219548
X	309m S	Electricity Substation	1987	219548
X	309m S	Electricity Substation	1993	219548



ID	Location	Land Use	Date	Group ID
Z	322m E	Electricity Substation	1983	228708
Z	322m E	Electricity Substation	1974	228708
Z	322m E	Electricity Substation	1987	228708
Z	323m E	Electricity Substation	1993	228708
P	344m W	Electricity Substation	1995	233048
P	344m W	Electricity Substation	1995	233048
AB	351m NE	Electricity Substation	1989	219493
AB	352m NE	Electricity Substation	1993	219741
A	362m SW	Electricity Substation	1988	234465
A	362m SW	Electricity Substation	1980	215006
A	362m SW	Electricity Substation	1995	234465
A	362m SW	Electricity Substation	1995	234465
A	363m SW	Electricity Substation	1987	230531
AE	407m N	Electricity Substation	1993	226885
AE	407m N	Electricity Substation	1986	226885
AE	408m N	Electricity Substation	1989	226885
AD	421m W	Electricity Substation	1970	227747
AD	421m W	Electricity Substation	1980	216435
K	450m W	Electricity Substation	1995	231212
K	450m W	Electricity Substation	1995	231212
AH	454m E	Electricity Substation	1983	228563
AH	455m E	Electricity Substation	1974	219817
AH	455m E	Electricity Substation	1987	233105
AH	455m E	Electricity Substation	1993	233105
AI	471m E	Electricity Substation	1983	215306
AI	471m E	Electricity Substation	1974	212322
AI	471m E	Electricity Substation	1987	213277
AI	472m E	Electricity Substation	1993	213277



ID	Location	Land Use	Date	Group ID
AF	488m SW	Electricity Substation	1987	212070
AF	488m SW	Electricity Substation	1988	232438
AF	488m SW	Electricity Substation	1980	216959
AF	489m SW	Electricity Substation	1995	232438
AF	489m SW	Electricity Substation	1995	232438

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 26 >](#)

ID	Location	Land Use	Date	Group ID
L	171m N	Tank (Fuel)	1950	3527

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

25

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 26 >](#)

ID	Location	Land Use	Date	Group ID
G	35m S	Garage	1993	71793
G	38m SE	Garage	1983	68350
G	38m SE	Garage	1987	68350
G	39m SE	Garage	1974	72413
G	39m SE	Garage	1966	72366

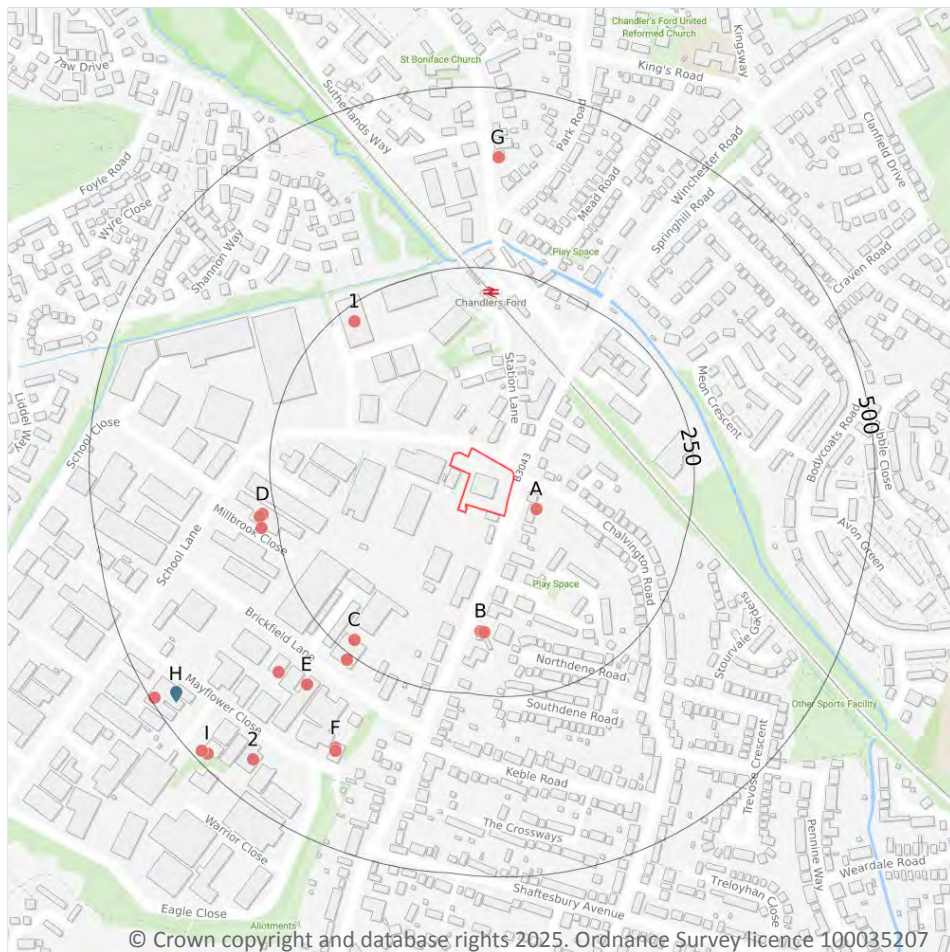


ID	Location	Land Use	Date	Group ID
G	74m SE	Garage	1970	71488
N	141m S	Garage	1964	70035
N	141m S	Garage	1959	72538
N	141m S	Garage	1957	71419
L	196m NE	Garage	1983	70085
L	196m NE	Garage	1987	70085
L	196m NE	Garage	1970	69979
L	196m NE	Garage	1974	72447
L	196m NE	Garage	1993	71822
L	208m E	Garage	1983	69354
L	208m E	Garage	1974	72447
L	208m E	Garage	1993	71822
L	209m E	Garage	1966	72447
L	219m NE	Garage	1987	71822
W	316m N	Garage	1966	68767
W	318m N	Garage	1964	71734
W	318m N	Garage	1970	69561
W	318m N	Garage	1959	68783
W	318m N	Garage	1950	69903
W	318m N	Garage	1962	69363

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m	0
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Landfill sites identified from Local Authority records and high detail historical mapping.

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

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

3.5 Historical waste sites

Records within 500m	0
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Waste site records derived from Local Authority planning records and high detail historical mapping.

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

3.6 Licensed waste sites

Records within 500m	1
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 39 >](#)

ID	Location	Details		
H	467m SW	Site Name: Cannon Hygiene Site Address: Unit 6, Speedwell Close, Chandlers Ford, Eastleigh, Hampshire, SO53 4BT Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655853 EPR reference: EA/EPR/CP3392HT Operator: ChI Legacy Limited Waste Management licence No: 19927 Annual Tonnage: 4999	Issue Date: 18/07/1994 Effective Date: 18/07/1994 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m

31

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 39](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
A	41m SE	45, Bournemouth Road, Chandlers Ford, So53 3dj	WEX382119	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	41m SE	45, Bournemouth Road, Chandlers Ford, So53 3dj	WEX254064	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	163m S	45 Bournemouth Road Eastleigh Hampshire So53 3dj	EPR/VF0808VK /A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
B	164m S	45 Bournemouth Road Eastleigh Hampshire So53 3dj	EPR/CF0207SD /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
B	164m S	45, Bournemouth Road, Chandlers Ford, So53 3dj	WEX113174	Storing waste exemption	Not on a farm	Storage of waste in a secure place
1	229m NW	Unit F, Omega Enterprise Park, Electron Way, Chandler's Ford, Eastleigh, So53 4se	WEX288192	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	231m SW	Brewers (Southampton) Brickfield Lane Eastleigh So53 4dp	EPR/TE5748ZE /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX324352	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX293593	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX293593	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX197016	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX157081	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
C	260m SW	Brickfield Lane, Chandler's Ford, Eastleigh, So53 4dp	WEX157081	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	269m W	-	WEX406665	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	269m W	-	WEX278610	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	270m W	Unit B2 Millbrook Close Eastleigh Hampshire So53 4bz	EPR/SE5654EK /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
D	274m W	Unit B2, Millbrook Close, Chandler's Ford, Eastleigh, So53 4bz	WEX136972	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	274m W	-	WEX412943	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	321m SW	Southampton Tps, Southampton Tps, Unit 2, Discovery Park,brickfield Lane, Chandlers Ford, So53 4dp	WEX103248	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	336m SW	Southampton Tps, Southampton Tps, Unit 2, Discovery Park,brickfield Lane, Chandlers Ford, So53 4dp	WEX245224	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	372m SW	-	WEX372224	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	375m SW	-	WEX360235	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	375m SW	-	WEX234632	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	403m N	21, Hursley Road, Chandler's Ford, Eastleigh, So53 2fs	WEX367642	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	403m N	21, Hursley Road, Chandler's Ford, Eastleigh, So53 2fs	WEX240789	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
2	448m SW	Mayflower Close, Chandlers Ford, So53 4ar	EXP/MP3246Y Z	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
I	485m SW	-	WEX265407	Storing waste exemption	Not on a farm	Storage of waste in a secure place

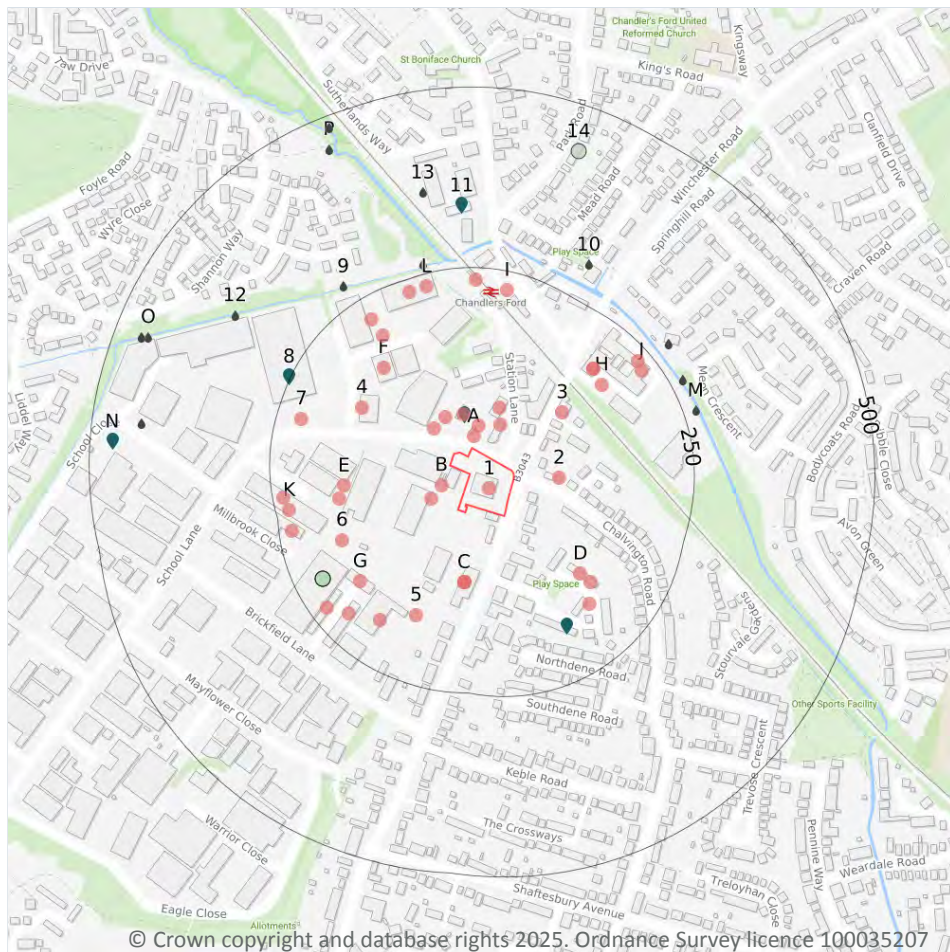


ID	Location	Site	Reference	Category	Sub-Category	Description
I	485m SW	-	WEX265407	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	488m SW	Coopervision, Unit 1 Speedwell Close, Chandlers Ford, So53 4bt	WEX125979	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	488m SW	Coopervision, Unit 1 Speedwell Close, Chandlers Ford, So53 4bt	WEX125979	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	495m SW	Wf Senate Mayflower Close Eastleigh Hampshire So53 4zj	EPR/KF0032DS /A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

44

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 44](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Selwood Ltd	32-34, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3ZL	Construction and Tool Hire	Hire Services
A	16m N	Mast (Telecommunication)	Hampshire, SO53	Telecommunications Features	Infrastructure and Facilities
B	30m W	Tank	Hampshire, SO53	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	33m N	Works	Hampshire, SO53	Unspecified Works Or Factories	Industrial Features
B	40m W	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
A	44m NW	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
A	48m N	Independen t V W	Unit 4 1, School Lane, Chandler's Ford, Hampshire, SO53 4DG	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	48m N	Heidelberg Hanson Concrete	Concrete Batching Plant, School Lane, Chandler's Ford, Hampshire, SO53 4DG	Concrete Products	Industrial Products
A	52m NW	Tank	Hampshire, SO53	Tanks (Generic)	Industrial Features
2	63m E	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
A	68m N	Makley Motor Specialists	Unit E 1, School Lane, Chandler's Ford, Hampshire, SO53 4DG	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	97m S	Harwoods Audi Southampto n	50-78, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3DH	New Vehicles	Motoring
C	97m S	Southampto n Audi	50-78, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3DH	New Vehicles	Motoring
C	97m S	Harwoods Audi Southampto n Service	50-78, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3DH	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	97m S	Harwoods Audi Southampto n Parts	50-78, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3DH	Vehicle Parts and Accessories	Motoring
3	107m NE	Coach Events Services Ltd	7, Bournemouth Road, Chandler's Ford, Hampshire, SO53 3DA	Vehicle Hire and Rental	Hire Services
D	132m SE	Autoregas Mobile Car Air Conditionin g Service	56, Hut Farm Place, Chandler's Ford, Hampshire, SO53 3LQ	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
4	143m NW	Roughton	Unit A2 Omega Enterprise Park, Electron Way, Chandler's Ford, Eastleigh, Hampshire, SO53 4SE	Civil Engineers	Engineering Services
E	150m W	Tank	Hampshire, SO53	Tanks (Generic)	Industrial Features
D	151m SE	Tank	Hampshire, SO53	Tanks (Generic)	Industrial Features
F	155m NW	I D A C Solutions	Unit B Omega Enterprise Park, Electron Way, Chandler's Ford, Hampshire, SO53 4SE	Cable, Wire and Fibre Optics	Industrial Products
5	157m SW	Tank	Hampshire, SO53	Tanks (Generic)	Industrial Features
E	161m W	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
6	166m W	Chandler's Ford Industrial Estate	Hampshire, SO53	Business Parks and Industrial Estates	Industrial Features
G	168m SW	C S E Industrial Electrical Distributors Ltd	Unit 14 Brickfield Trading Estate, Brickfield Lane, Chandler's Ford, Hampshire, SO53 4DR	Electrical Production and Manipulation Equipment	Industrial Products
D	169m SE	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
H	173m NE	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
H	181m NE	D E K Graphics & Print Ltd	Ketts House, Winchester Road, Chandler's Ford, Eastleigh, Hampshire, SO53 2FZ	Published Goods	Industrial Products
H	181m NE	Print Room	Ketts House the Print Room the Central Precinct, Winchester Road, Chandler's Ford, Hampshire, SO53 2FZ	Published Goods	Industrial Products
G	188m SW	Microlink	Microlink House, Brickfield Lane, Chandler's Ford, Hampshire, SO53 4DP	Disability and Mobility Equipment	Consumer Products
F	191m NW	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
G	208m SW	Kelda Showers	Unit 11 Brickfield Trading Estate, Brickfield Lane, Chandler's Ford, Hampshire, SO53 4DR	Bathroom Fixtures, Fittings and Sanitary Equipment	Consumer Products
7	216m W	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
F	219m NW	Industrial Estate	Hampshire, SO53	Business Parks and Industrial Estates	Industrial Features
I	224m N	Electricity Sub Station	Hampshire, SO53	Electrical Features	Infrastructure and Facilities
G	227m SW	Sweetbriar Ltd	Unit 4 Brickfield Trading Estate, Brickfield Lane, Chandler's Ford, Hampshire, SO53 4DR	Air and Water Filtration	Industrial Products
J	227m NE	Choices Curtains & Blinds	21 The Central Precinct, Winchester Road, Chandler's Ford, Hampshire, SO53 2GA	Curtains and Blinds	Consumer Products
J	231m NE	From Old to New	22 The Central Precinct, Winchester Road, Chandler's Ford, Hampshire, SO53 2GA	Furniture	Consumer Products
K	231m W	Diguru	Unit 6, Avenger Close, Chandler's Ford, Hampshire, SO53 4DQ	Published Goods	Industrial Products
K	233m W	E S S	Unit B4, Millbrook Close, Chandler's Ford, Hampshire, SO53 4BZ	Construction and Tool Hire	Hire Services
L	233m N	Blade Dynamics	Unit E3 Omega Enterprise Park, Electron Way, Chandler's Ford, Hampshire, SO53 4SE	Civil Engineers	Engineering Services
L	233m N	K H R Co Ltd	Unit E2 Omega Enterprise Park, Electron Way, Chandler's Ford, Hampshire, SO53 4SE	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
I	233m N	Chandlers Ford Rail Station	Hampshire, SO53	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
K	236m W	Intercole	Intercole, Avenger Close, Chandler's Ford, Hampshire, SO53 4YU	Electrical Components	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**0**

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m**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**5**

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

Features are displayed on the Current industrial land use map on [page 44](#) >

ID	Location	Address	Details	
A	47m N	Hanson Quarry Products Europe, School Lane, Chandlers Ford, Eastleigh, SO53 3DG	Process: Other Mineral Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	175m SE	Hendy Ford, Bournemouth Rd, Eastleigh, Hampshire, SO53 3ZG	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
8	252m NW	Apw, Electron Way, Chandlers Ford, Eastleigh, SO53 4ZR	Process: Surface Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
11	336m N	Autoforum Workshops Ltd, Hursley Rd, SO53 2FU	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	469m W	Nfl Body Repairs, Monks Brook Ind Pk, Chandlers Ford, SO53 4RA	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

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

13

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 44 >](#)

ID	Location	Address	Details	
L	263m N	SCHOOLLANE,SCHOOLLANE,CHAN DLERSFORD,EASTLEIGH,HAMPSHIR E	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P03674 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 10/01/1992 Effective Date: 10/01/1992 Revocation Date: -
M	267m E	AHMADTEA,REXINDUSTRIALESTAT E,AHMADTEA,REXINDUSTRIALESTA TE,WINCHESTERROAD,CHANDLERS FORD,EASTLEIGH,HAMPSHIRE,SOS 32PZ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: G01130 Permit Version: 1 Receiving Water: MONKS BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/04/2007 Effective Date: 27/04/2007 Revocation Date: 01/07/2009



ID	Location	Address	Details	
M	267m NE	MONKSBROOK, MONKSBROOK, CHANDLERSFORD HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: H01964 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 17/04/1964 Effective Date: 17/04/1964 Revocation Date: 31/03/1997
9	278m NW	PHASE2, PHASE2, CHANDLERSFORD GROWTH AREA, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00068 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA Legislation Where Issue Date 01-SEP-89 (Historic Only) Issue date: 28/05/1985 Effective Date: 28/05/1985 Revocation Date: 13/02/1998
J	279m NE	PREMISES IN CHANDLERSFORD, PRE MISES IN CHANDLERSFORD, UPSTRE AM FROM REGENT RD, EASTLEIGH, H AMPSHIRE	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - WATER COMPANY Permit Number: H01104 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & Sched 10 as amended by Env Act 1995) Issue date: 28/12/1972 Effective Date: 28/12/1972 Revocation Date: 10/12/2008
10	301m NE	SWIMMING POOL AT 25 MEAD ROAD, 25 MEAD ROAD, CHANDLERSFORD, E ASTLEIGH, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SWIMMING POOL WATER Permit Number: H01069 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 03/07/1964 Effective Date: 03/07/1964 Revocation Date: 31/03/1997
12	359m NW	PROPOSED INDUSTRIAL AREA, PROP POSED INDUSTRIAL AREA, BETWEEN SCHOOLLANE AND, CHANDLERSFORD RAILWAY STATION, EASTLEIGH, HAMP SHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01140 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA Legislation Where Issue Date 01-SEP-89 (Historic Only) Issue date: 29/08/1984 Effective Date: 29/08/1984 Revocation Date: 04/11/1992
13	360m N	FORD FARM, FORD FARM, CHANDLER SFORD HAMPSHIRE	Effluent Type: UNSPECIFIED Permit Number: H01769 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 18/10/1963 Effective Date: 18/10/1963 Revocation Date: 31/03/1997
N	432m W	LEVECTOLD, LEVECTOLD, CHANDL ERSFORD, EASTLEIGH, HAMPSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: H01152 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 22/01/1965 Effective Date: 22/01/1965 Revocation Date: 31/03/1997



ID	Location	Address	Details	
O	453m NW	PHASE2,PHASE2,CHANDLERSFORD GROWTHAREA,HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00068 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/05/1985 Effective Date: 28/05/1985 Revocation Date: 13/02/1998
P	456m NW	PHASE2,PHASE2,CHANDLERSFORD GROWTHAREA,HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00068 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/05/1985 Effective Date: 28/05/1985 Revocation Date: 13/02/1998
O	463m NW	APWELECTRONICSLTD,APWELECTR ONICSLTD,ELECTRONWAY,CHANDL ERSFORD,HAMPSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P09144 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 19/06/2000 Effective Date: 19/06/2000 Revocation Date: 04/05/2007
P	484m NW	FORDFARM,FORDFARM,CHANDLER SFORDHAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01269 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 05/05/1978 Effective Date: 05/05/1978 Revocation Date: 31/03/1997

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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



4.16 List 1 Dangerous Substances

Records within 500m

0

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.

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

4

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

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Details	
G	211m SW	Incident Date: 28/09/2001 Incident Identification: 33457 Pollutant: Atmospheric Pollutants and Effects: Contaminated Water Pollutant Description: Smoke: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	211m SW	Incident Date: 28/09/2001 Incident Identification: 33457 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	211m SW	Incident Date: 28/09/2001 Incident Identification: 33457 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	437m N	Incident Date: 11/01/2002 Incident Identification: 51937 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	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

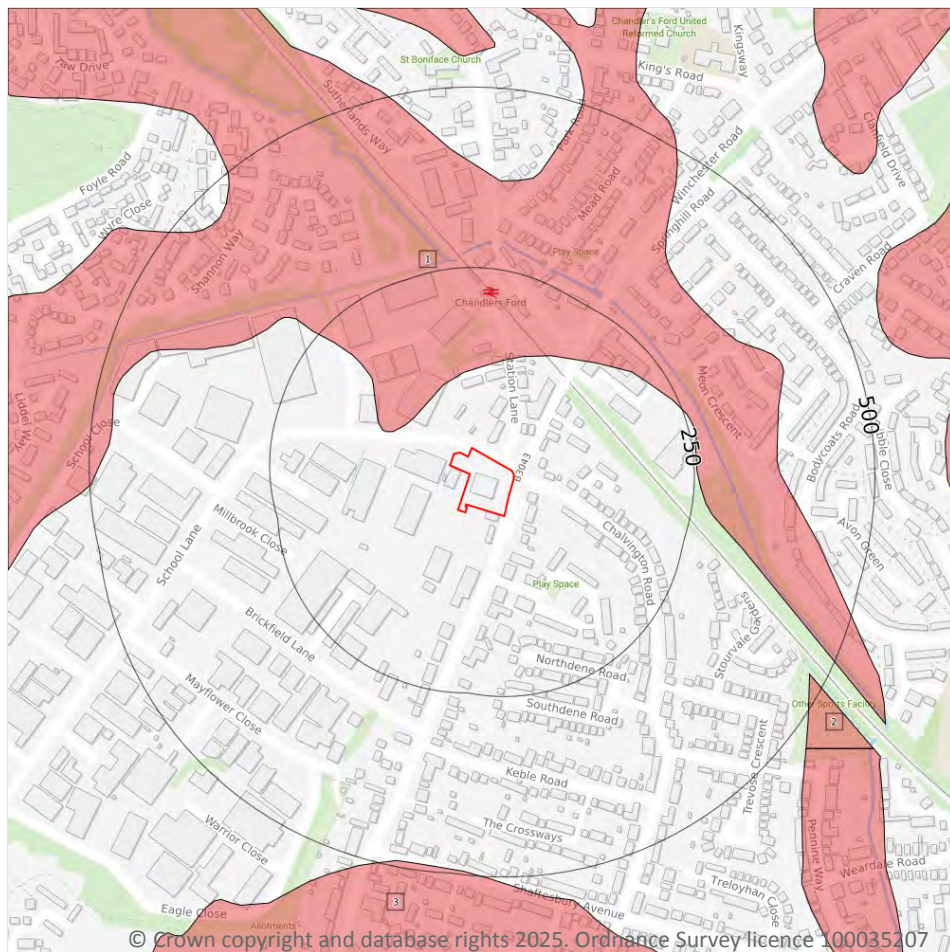
Records within 500m

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

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 55](#) >

ID	Location	Designation	Description
1	75m 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
2	476m SE	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

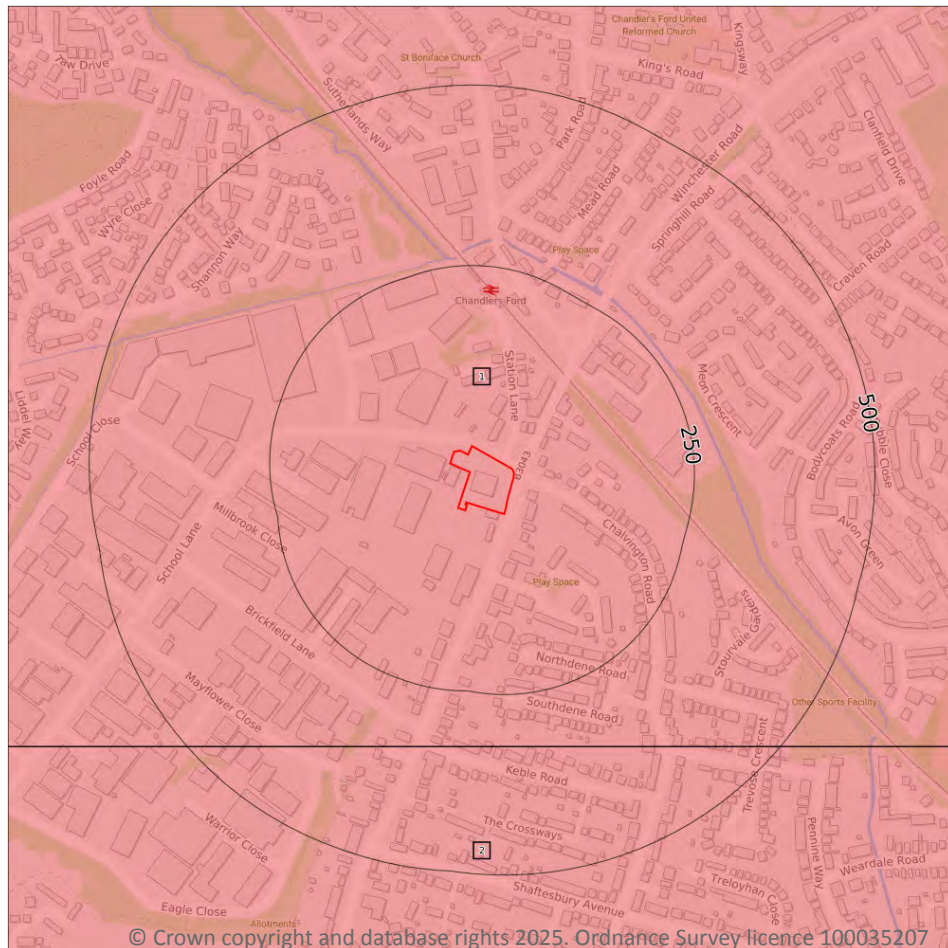


ID	Location	Designation	Description
3	491m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 57](#) >

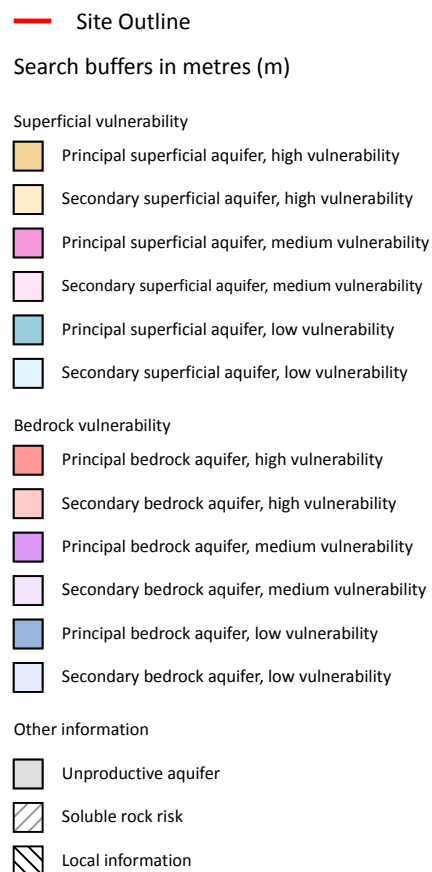
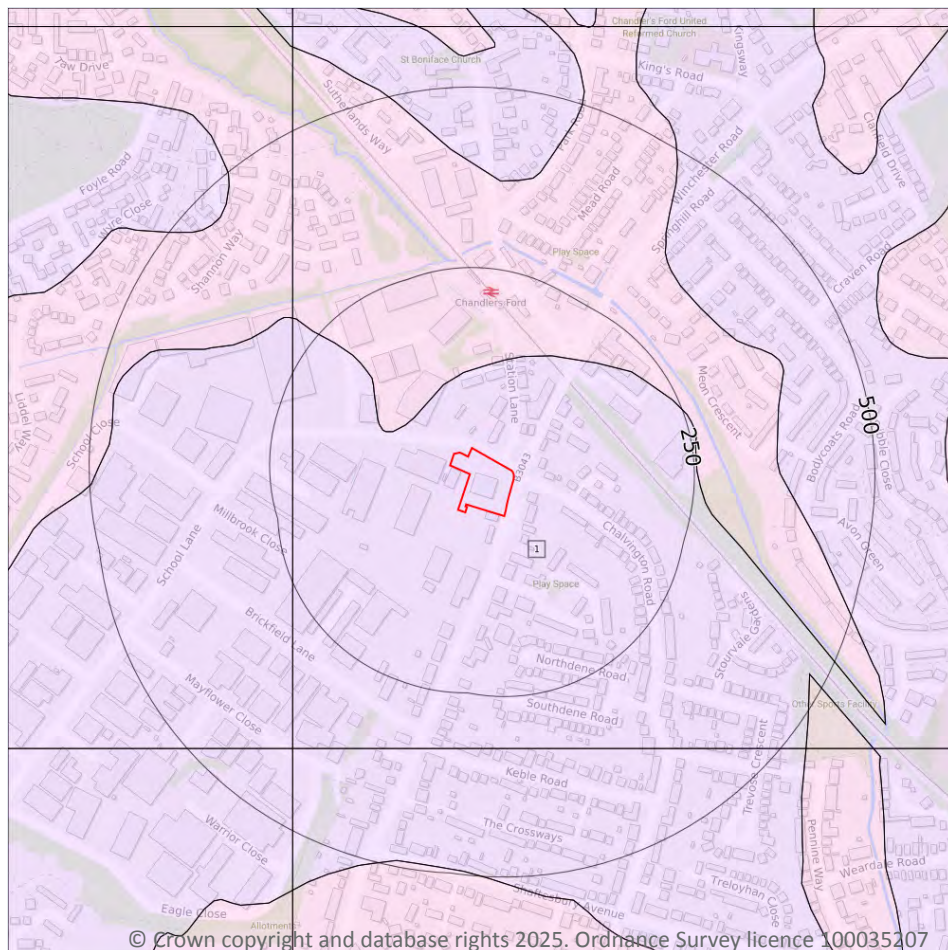
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	322m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

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 59](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Intergranular

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
------------------------	----------

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

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

5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

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

0

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.

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

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

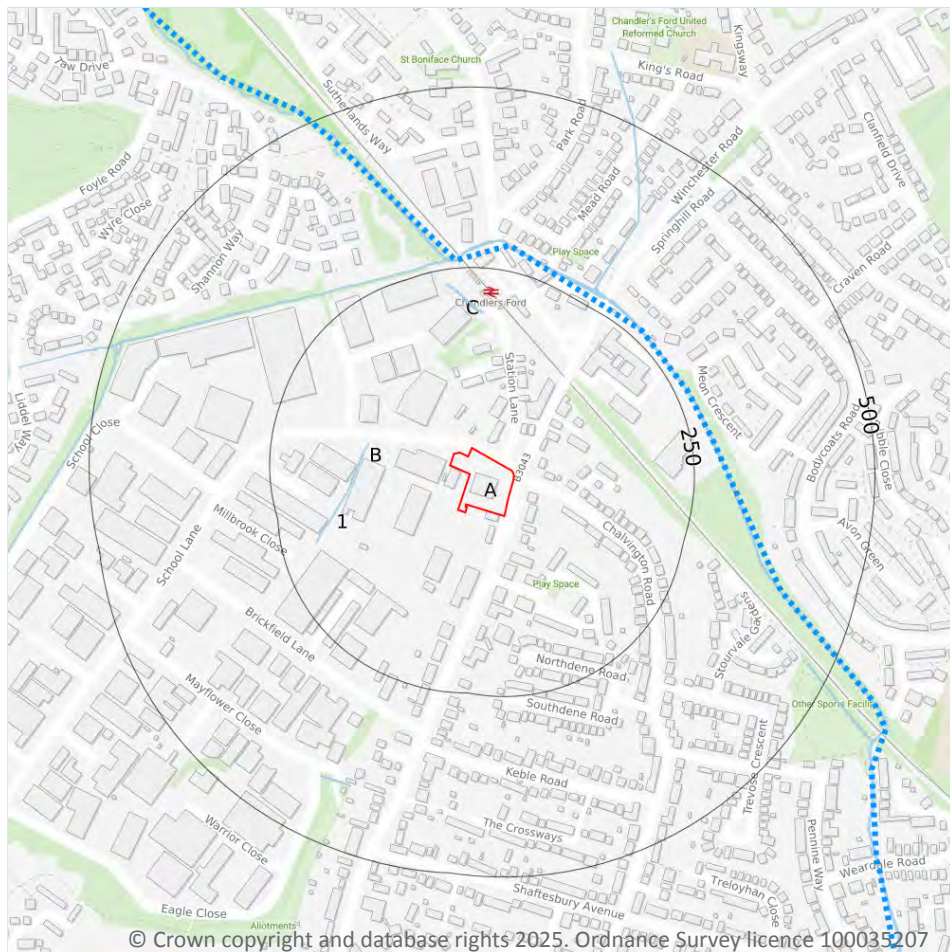
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

4

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 63](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
B	117m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	120m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	139m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	188m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

2

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

Features are displayed on the Hydrology map on [page 63 >](#)

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 63 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Monks Brook	GB107042016310	Itchen	Test and Itchen

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 63 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	261m NE	River	Monks Brook	GB107042016310 ↗	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.

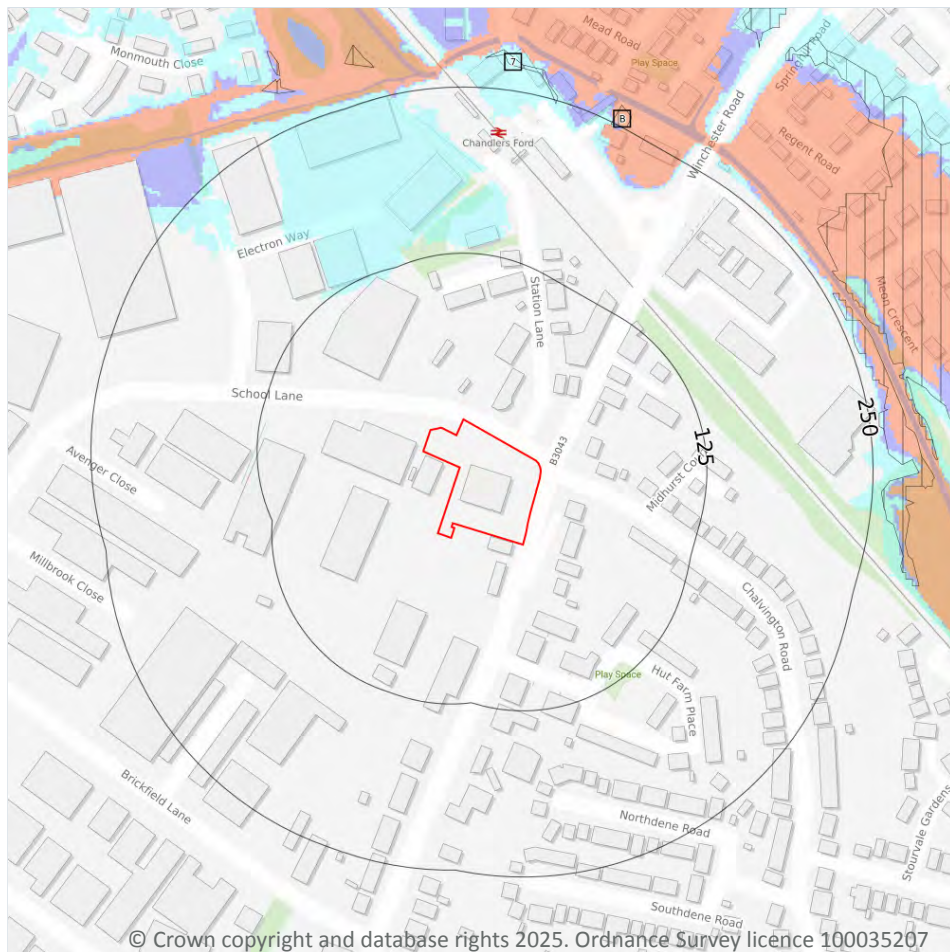
Features are displayed on the Hydrology map on [page 63 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Central Hants Bracklesham Group	GB40702G500900 ↗	Good	Good	Good	2019

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



7 River and coastal flooding



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

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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



7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

2

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.

Features are displayed on the River and coastal flooding map on [page 66](#) >

ID	Location	
7	248m N	Area benefiting from flood defences
B	248m N	Area benefiting from flood defences

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

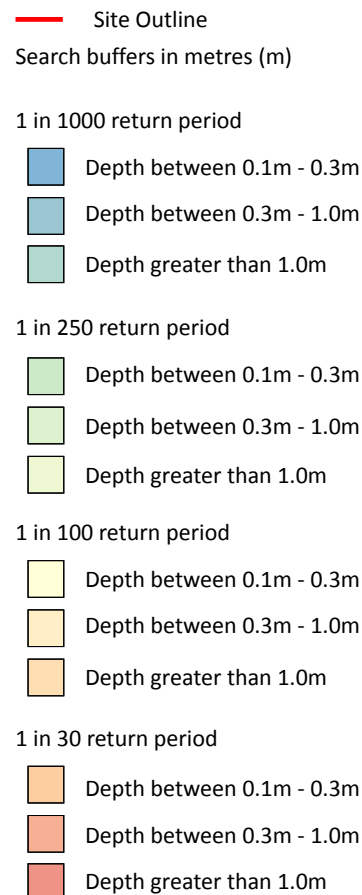
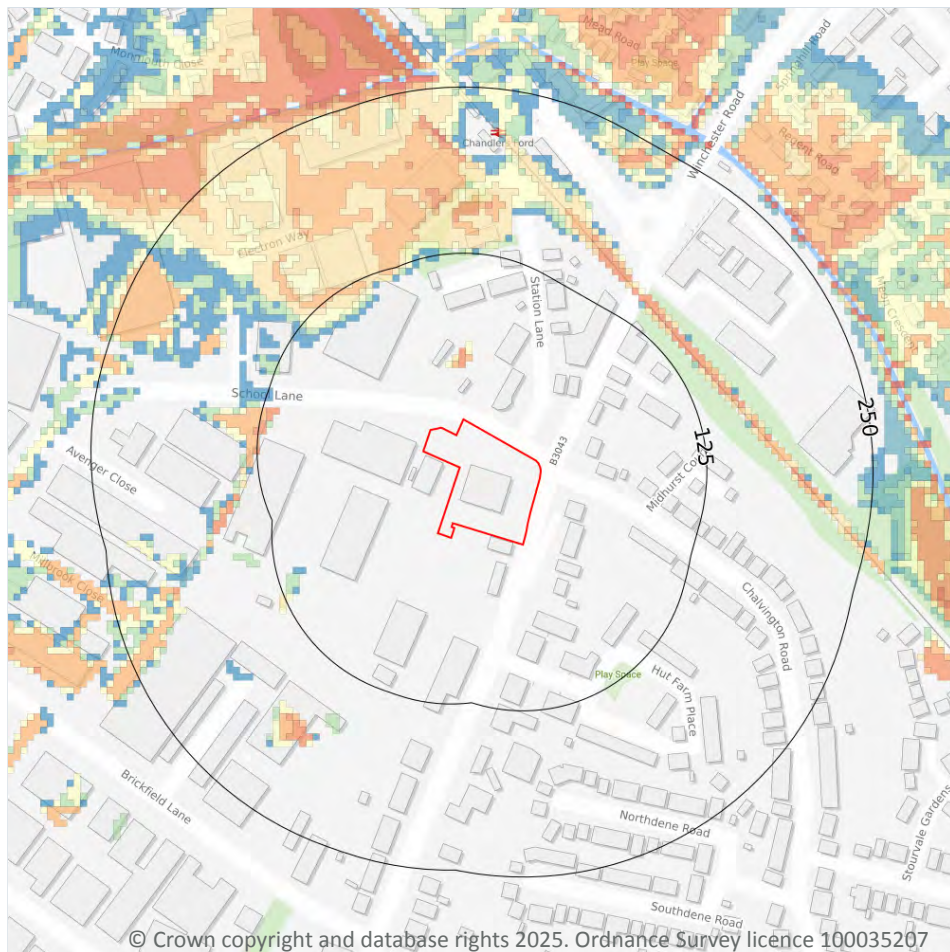
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

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 69](#) >

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



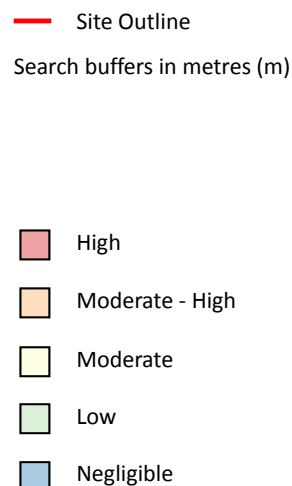
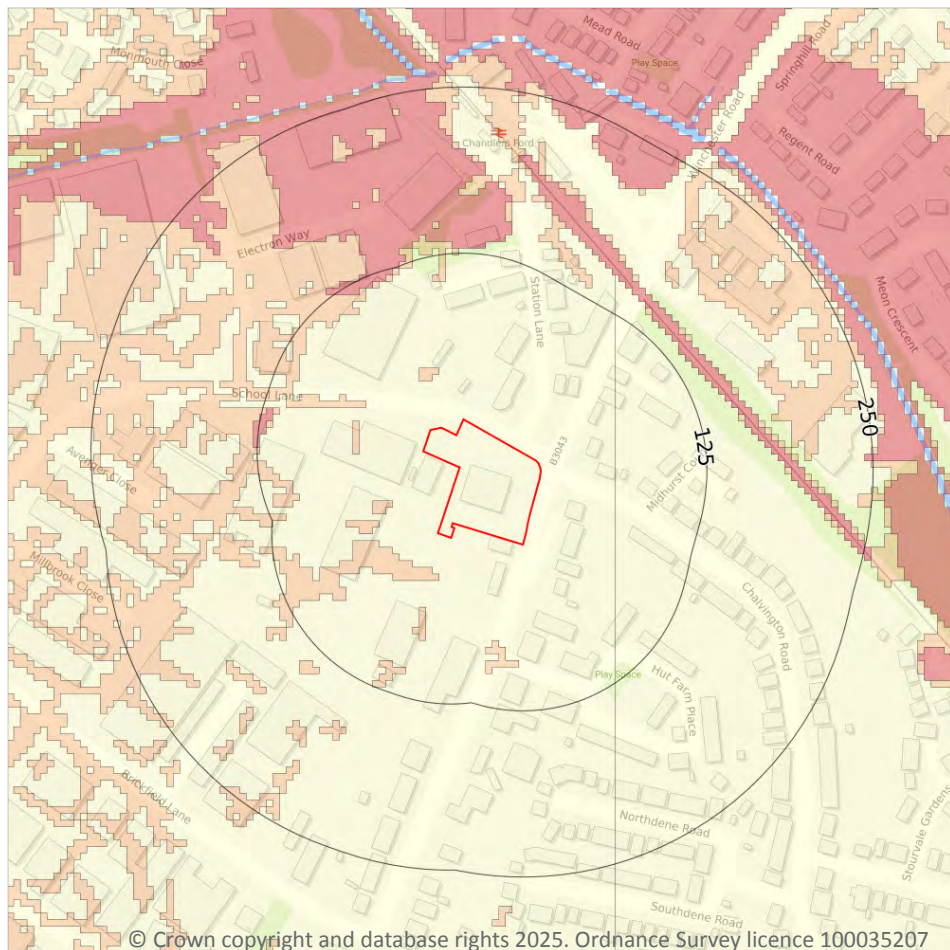
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate-High

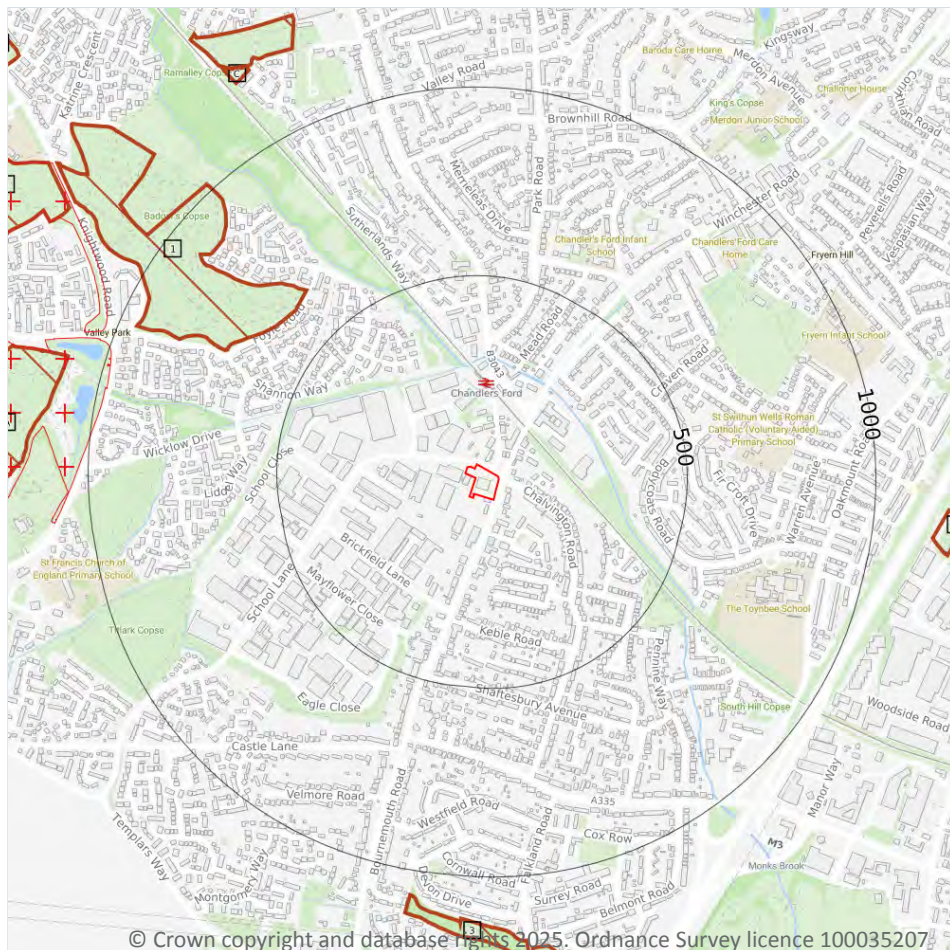
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks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

Features are displayed on the Groundwater flooding map on [page 71](#) >

This data is sourced from Ambient 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

6

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 72 >](#)

ID	Location	Name	Data source
A	976m W	Valley Park Woodlands	Natural England
2	1029m W	Valley Park Woodlands	Natural England
-	1289m W	Valley Park Woodlands	Natural England
-	1374m W	Valley Park Woodlands	Natural England
-	1465m SW	Valley Park Woodlands	Natural England
-	1694m W	Valley Park Woodlands	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

24

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 72 >](#)

ID	Location	Name	Woodland Type
1	617m NW	Unknown	Ancient & Semi-Natural Woodland
3	1066m S	Unknown	Ancient & Semi-Natural Woodland
A	1098m W	Zionshill Copse	Ancient & Semi-Natural Woodland
B	1161m E	Unknown	Ancient & Semi-Natural Woodland
C	1188m NW	Ramalley Copse	Ancient & Semi-Natural Woodland
4	1191m S	Unknown	Ancient & Semi-Natural Woodland
C	1203m NW	Ramalley Copse	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
-	1232m E	Unknown	Ancient & Semi-Natural Woodland
5	1259m NW	Unknown	Ancient & Semi-Natural Woodland
-	1304m E	Unknown	Ancient & Semi-Natural Woodland
-	1320m E	Unknown	Ancient & Semi-Natural Woodland
-	1329m E	Unknown	Ancient & Semi-Natural Woodland
-	1391m S	Unknown	Ancient & Semi-Natural Woodland
-	1415m S	Unknown	Ancient & Semi-Natural Woodland
-	1429m W	Zionshill Copse	Ancient & Semi-Natural Woodland
-	1468m S	Unknown	Ancient & Semi-Natural Woodland
-	1503m E	Unknown	Ancient & Semi-Natural Woodland
15	1614m NW	Clothiers Copse	Ancient & Semi-Natural Woodland
-	1624m E	Unknown	Ancient & Semi-Natural Woodland
-	1644m NW	Clothiers Copse	Ancient & Semi-Natural Woodland
-	1654m W	Zionshill Copse	Ancient Replanted Woodland
-	1696m NW	Skys Wood	Ancient & Semi-Natural Woodland
-	1723m W	Tredgoulds Copse	Ancient & Semi-Natural Woodland
-	1821m W	Skys Wood	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**2**

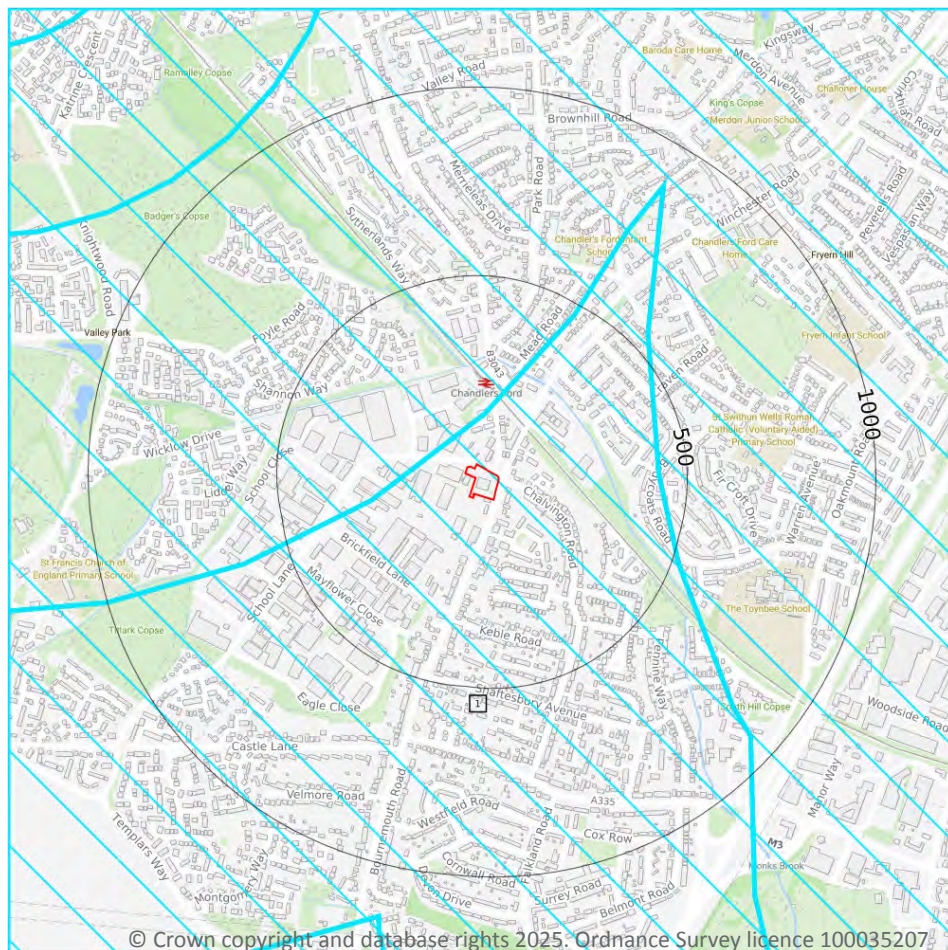
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	Existing
786m E	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	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 78 >](#)

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

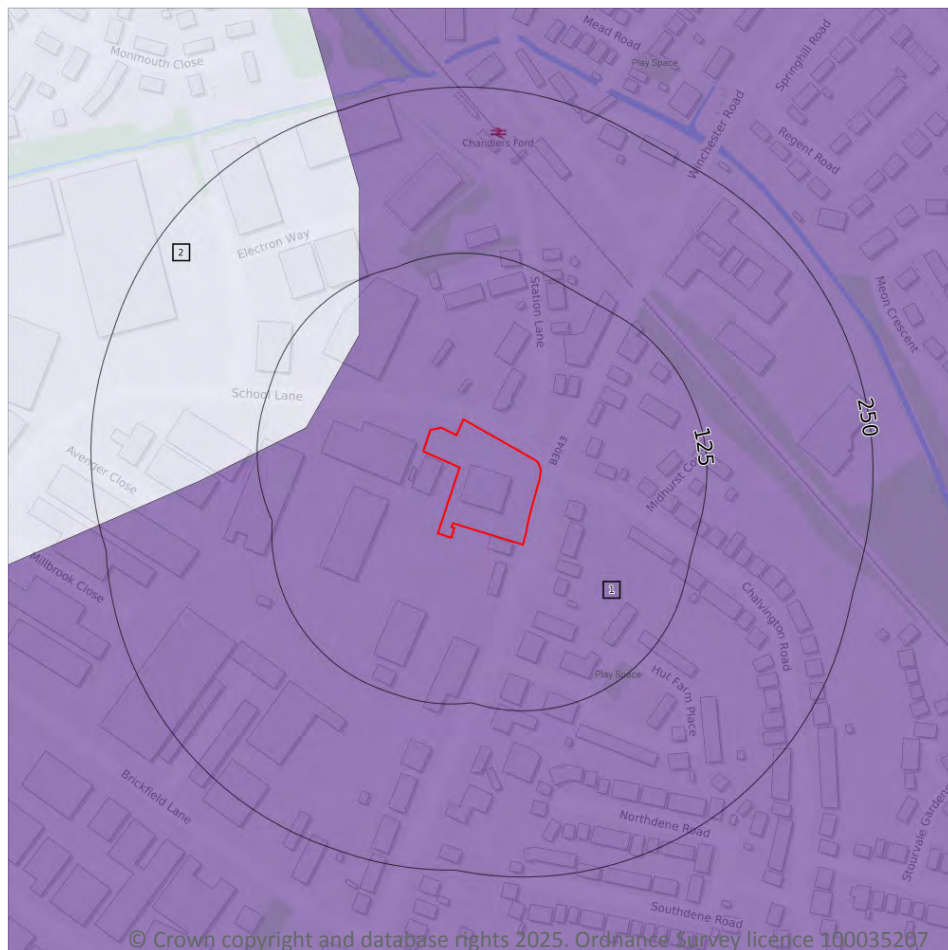
0

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

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 82](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned



ID	Location	Classification	Description
2	82m NW	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations



- 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

5

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 85 >](#)

ID	Location	Main Habitat	Other habitats
1	211m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	217m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	233m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	237m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
A	243m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0
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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.

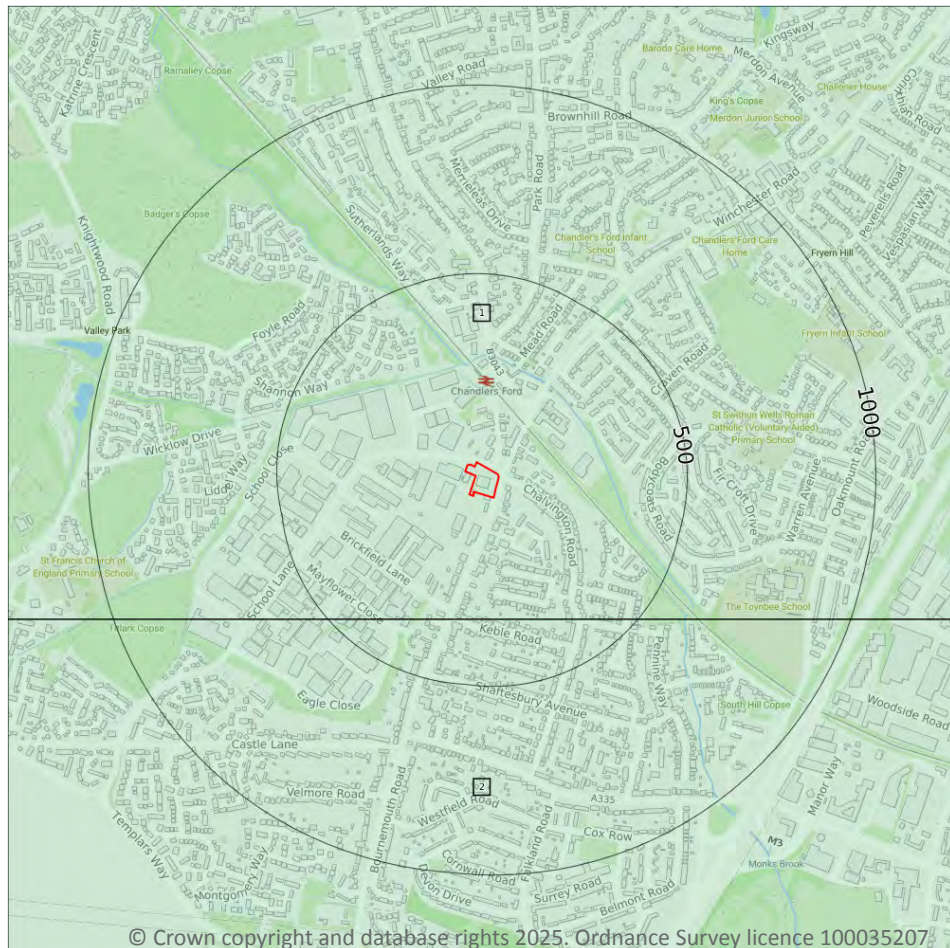
13.4 Limestone Pavement Orders

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.

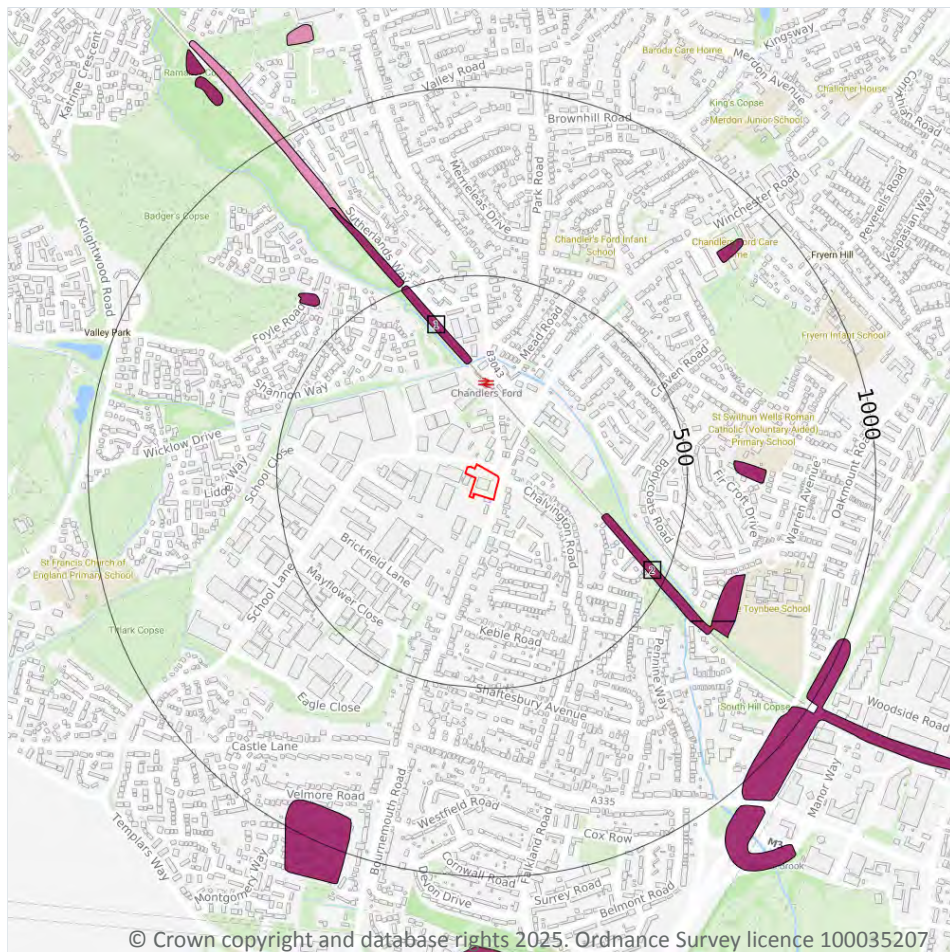
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 87](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU42SW
2	322m S	Full	Full	Full	No coverage	SU41NW

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

2

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.

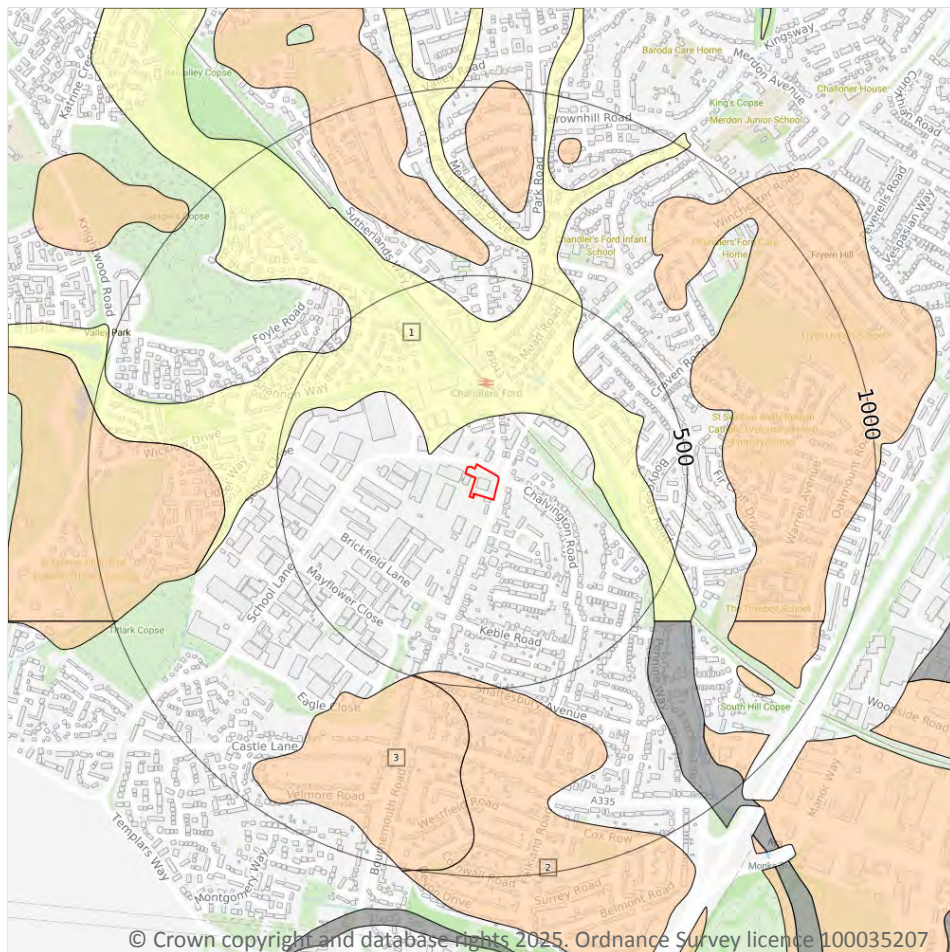
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 88](#) >

ID	Location	LEX Code	Description	Rock description
1	267m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	290m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

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

3

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 89](#) >

ID	Location	LEX Code	Description	Rock description
1	93m NW	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
2	468m S	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel
3	496m S	RTD6-XSV	River Terrace Deposits, 6 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

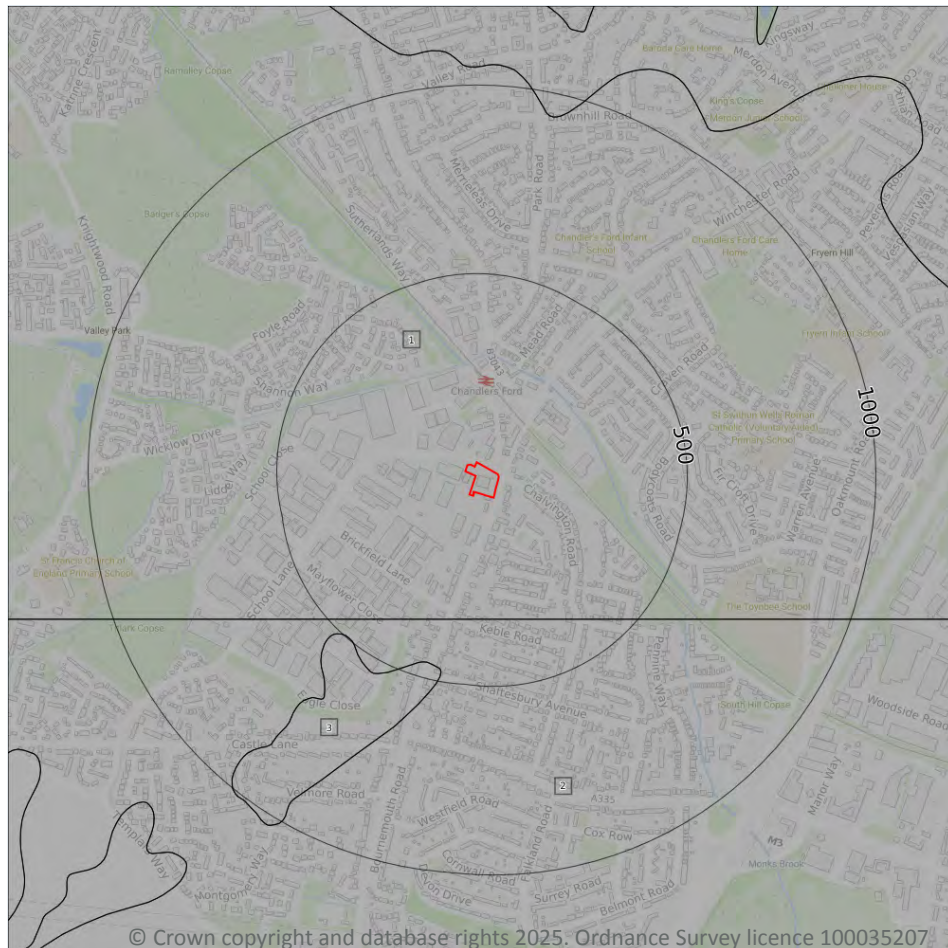
0

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

3

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 91](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	WTT-SSCL	Wittering Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
2	322m S	WTT-SACL	Wittering Formation - Sandy Clay	Lutetian Age - Ypresian Age
3	458m S	EA-SANDU	Earnley Sand Formation - Sand	Lutetian Age

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

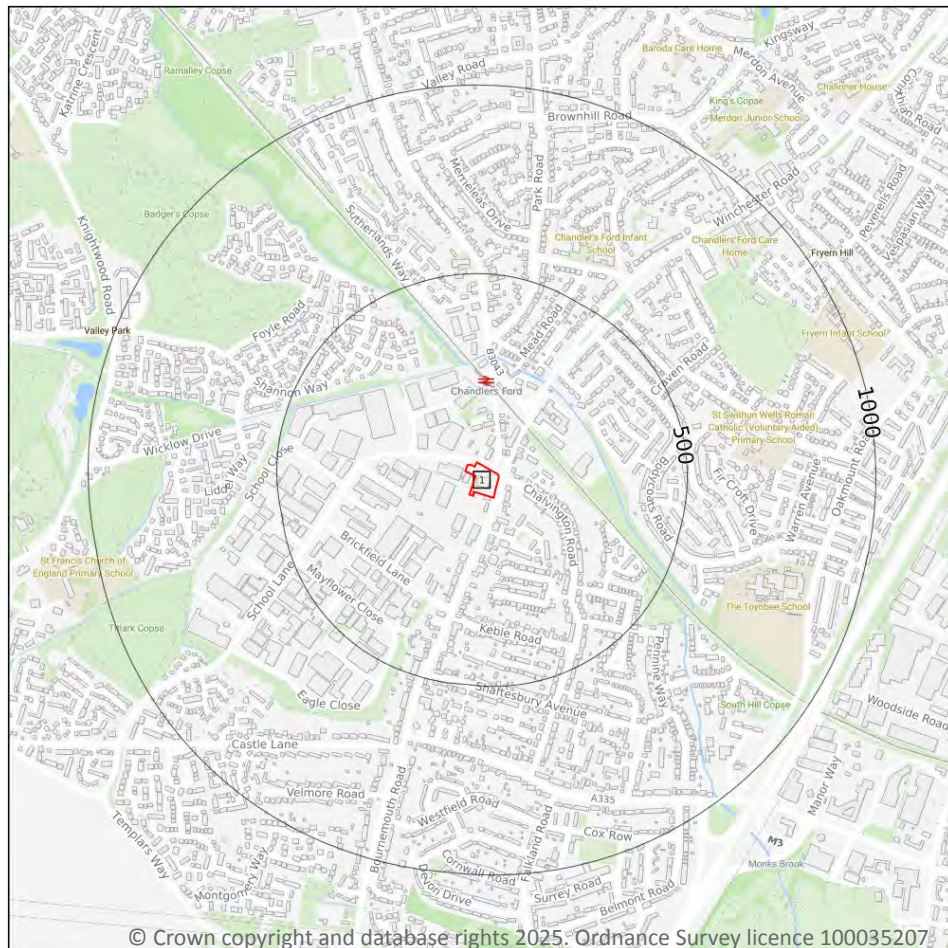
0

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.

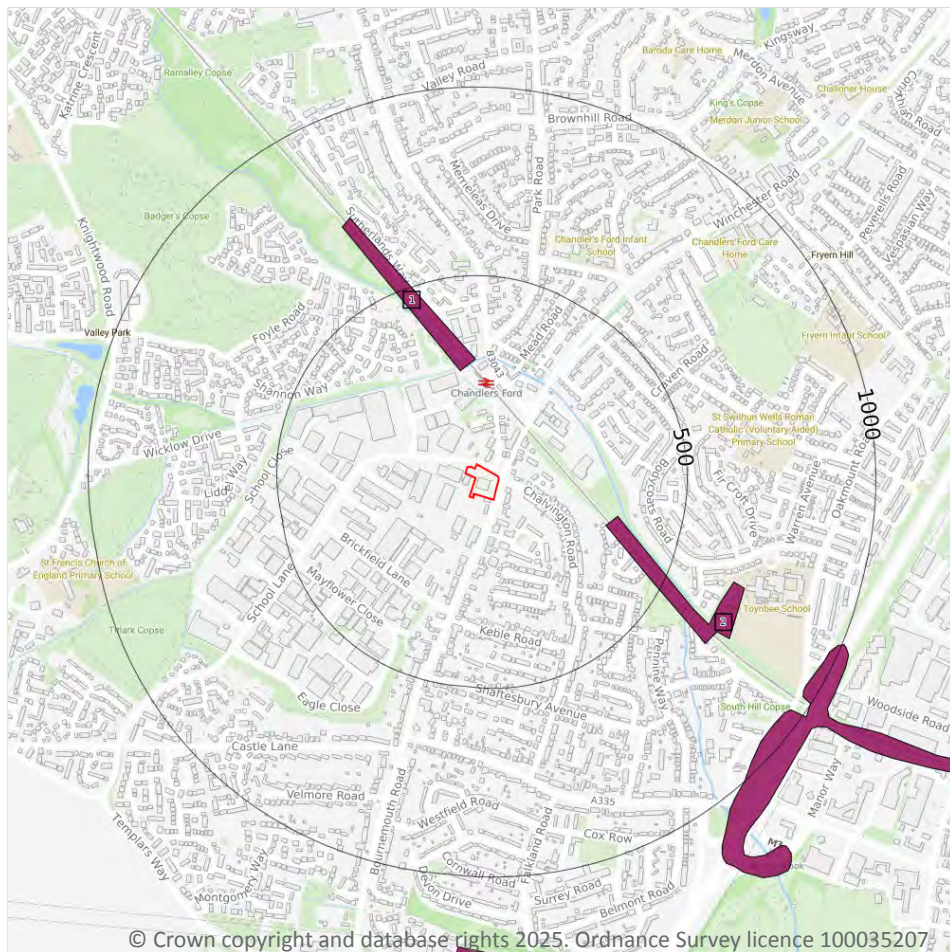
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 93](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW315_southampton_v4

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)**
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 94](#) >

ID	Location	LEX Code	Description	Rock description
1	252m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	306m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

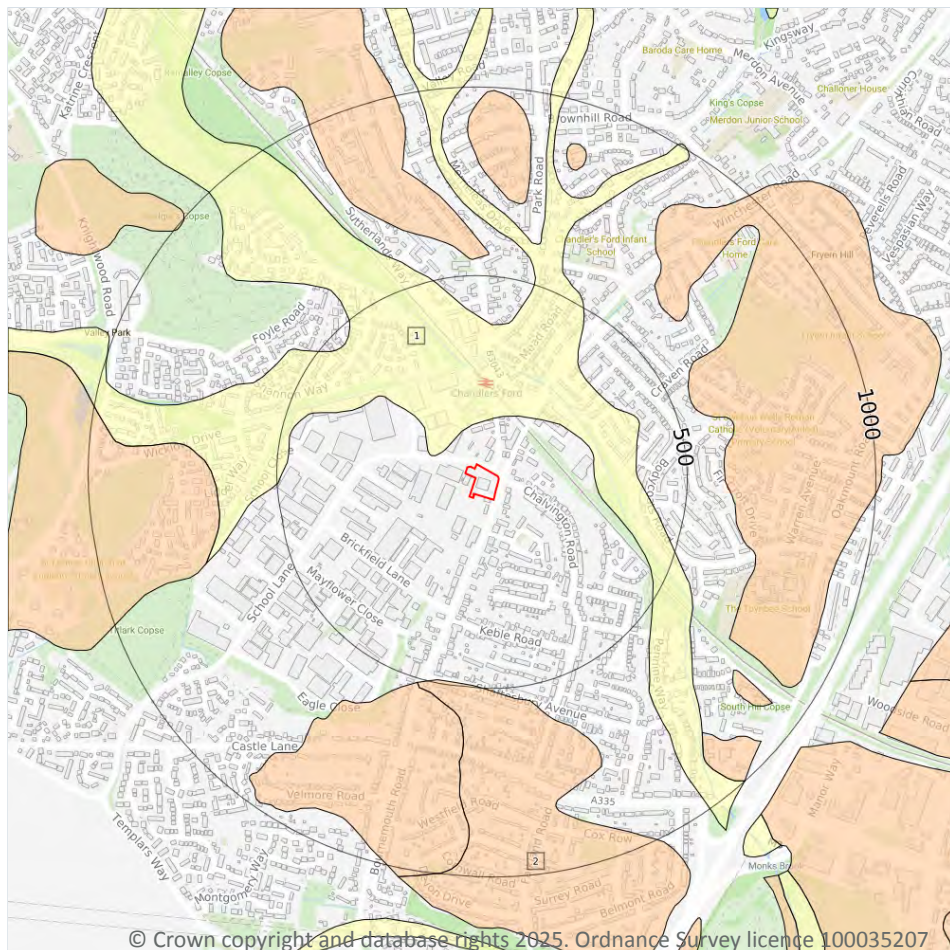
0

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

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 96](#) >

ID	Location	LEX Code	Description	Rock description
1	75m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	491m S	RTD4-XSV	RIVER TERRACE DEPOSITS, 4	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

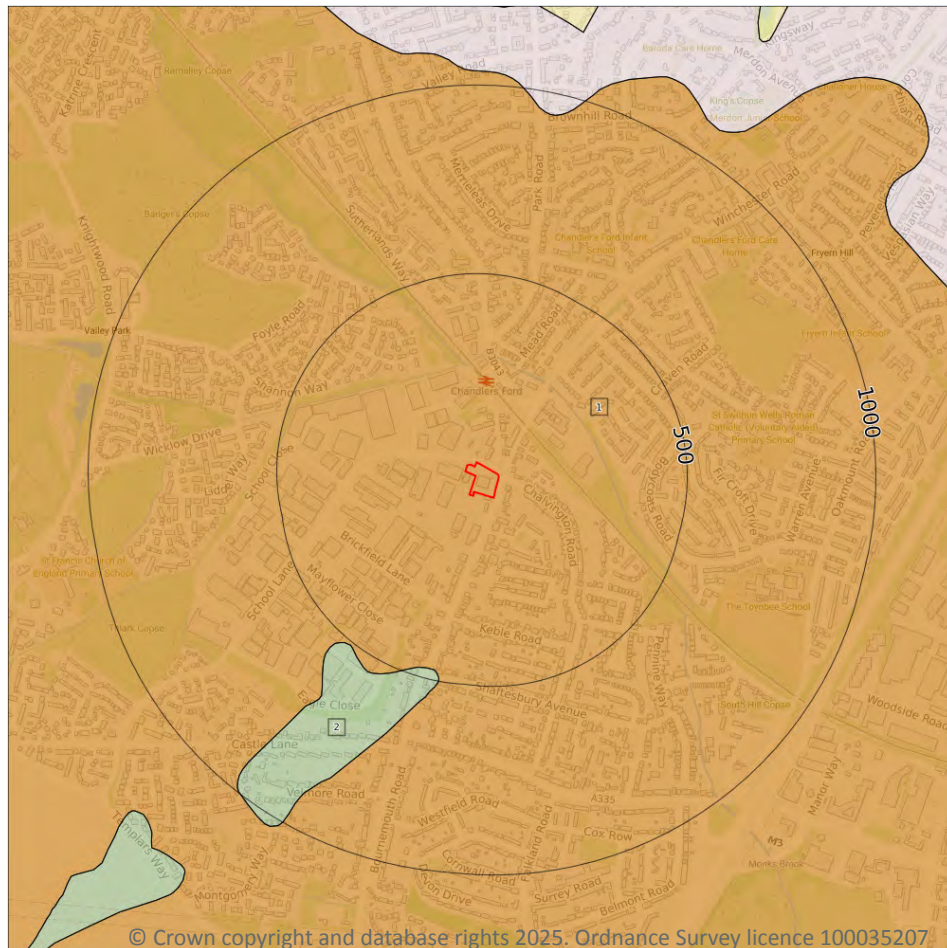
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 98 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	WTT-XSZC	WITTERING FORMATION - SAND, SILT AND CLAY	YPRESIAN
2	472m S	EA-XSZC	EARNLEY SAND FORMATION - SAND, SILT AND CLAY	LUTETIAN

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	Intergranular	High	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

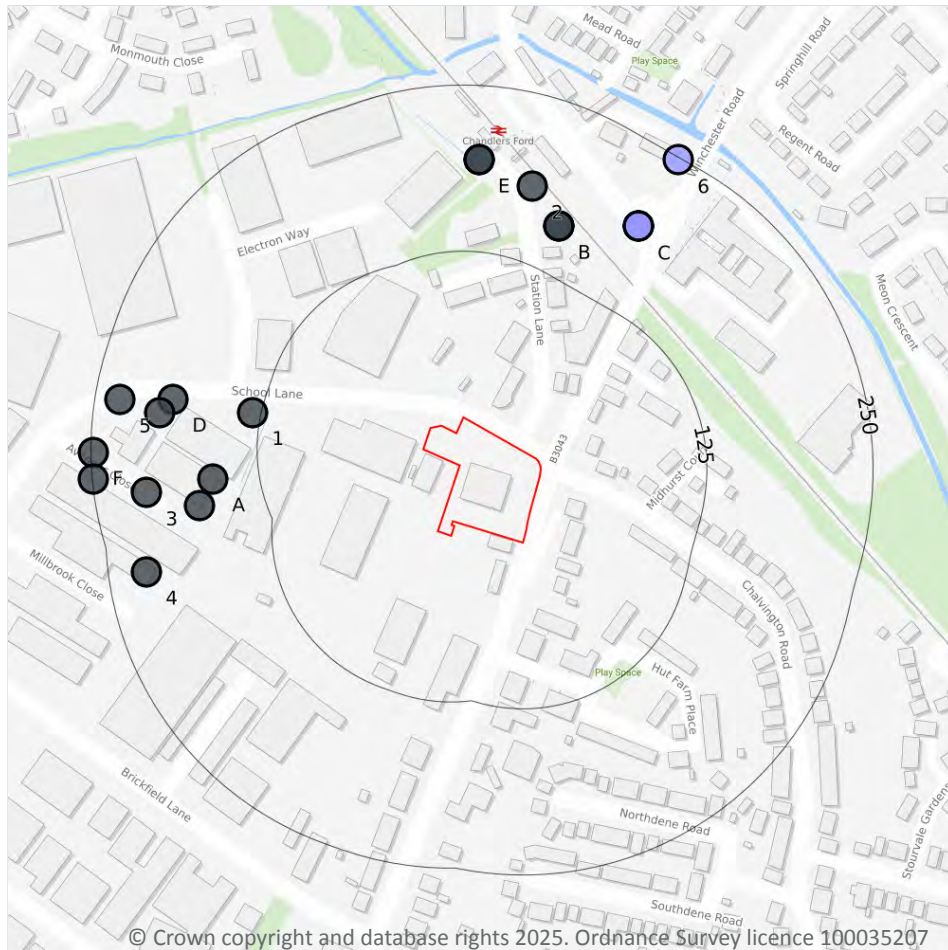
Records within 500m**0**

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

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

19

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

Features are displayed on the Boreholes map on [page 100](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	131m W	443090 120420	SCHOOL LANE CHANDLERS FORD WS17	-	Y	N/A
A	160m W	443060 120370	SCHOOL LANE CHANDLERS FORD WS01	-	Y	N/A
B	161m N	443320 120560	CHANDLERS FORD STATION WS1	-	Y	N/A

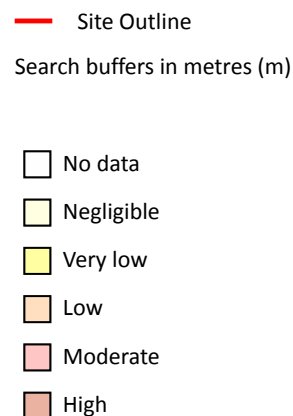
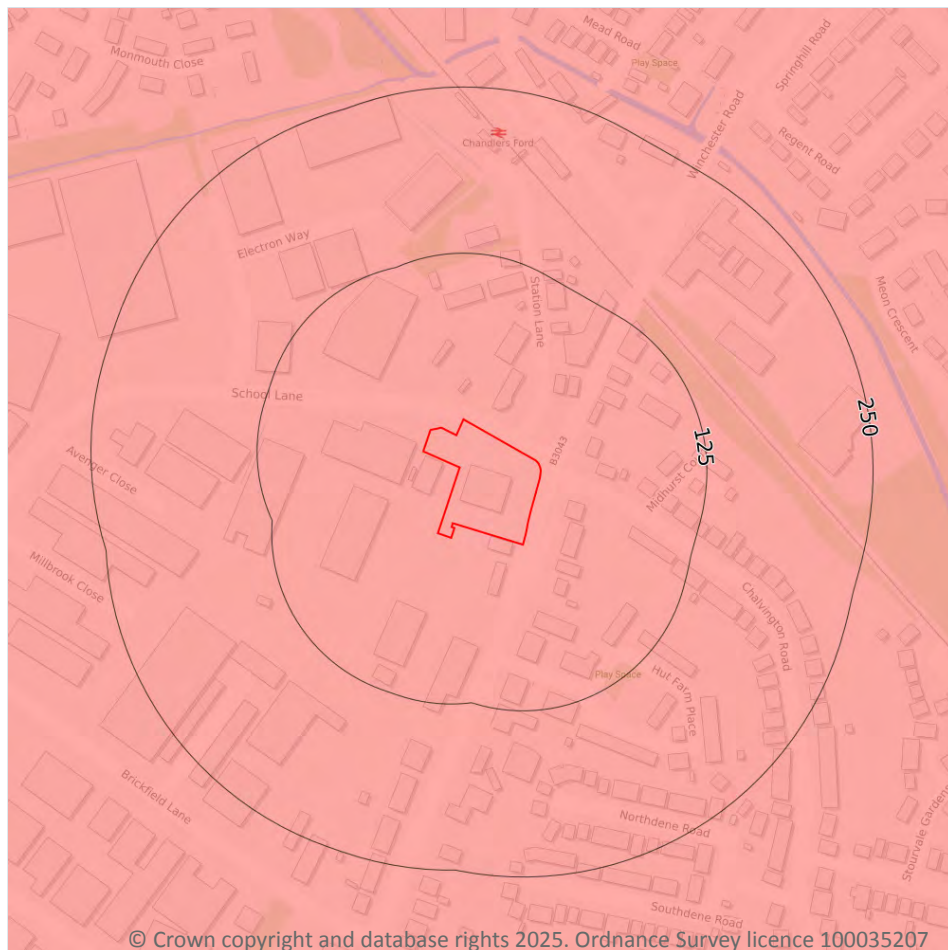


ID	Location	Grid reference	Name	Length	Confidential	Web link
B	161m N	443320 120560	CHANDLERS FORD STATION TP2	-	Y	N/A
A	173m W	443050 120350	SCHOOL LANE CHANDLERS FORD WS02	-	Y	N/A
2	181m N	443300 120590	CHANDLERS FORD STATION TP1	-	Y	N/A
C	190m NE	443380 120560	HURSLEY ROAD IMPROVEMENT BH1-3	6.0	N	412281 ↗
C	190m NE	443380 120560	HURSLEY ROAD NO.1	6.0	N	412278 ↗
C	190m NE	443380 120560	HURSLEY ROAD NO.2	6.0	N	412279 ↗
D	192m W	443030 120430	SCHOOL LANE CHANDLERS FORD WS16	-	Y	N/A
E	194m N	443260 120610	CHANDLERS FORD STATION WS2	-	Y	N/A
E	194m N	443260 120610	CHANDLERS FORD STATION TP3	-	Y	N/A
D	200m W	443020 120420	SCHOOL LANE CHANDLERS FORD WS15	-	Y	N/A
3	211m W	443010 120360	SCHOOL LANE CHANDLERS FORD WS03	-	Y	N/A
4	221m W	443010 120300	SCHOOL LANE CHANDLERS FORD WS06	-	Y	N/A
5	231m W	442990 120430	SCHOOL LANE CHANDLERS FORD WS14	-	Y	N/A
F	248m W	442970 120390	SCHOOL LANE CHANDLERS FORD WS05	-	Y	N/A
6	248m NE	443410 120610	HURSLEY ROAD NO.3	6.0	N	412280 ↗
F	249m W	442970 120370	SCHOOL LANE CHANDLERS FORD WS04	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

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).

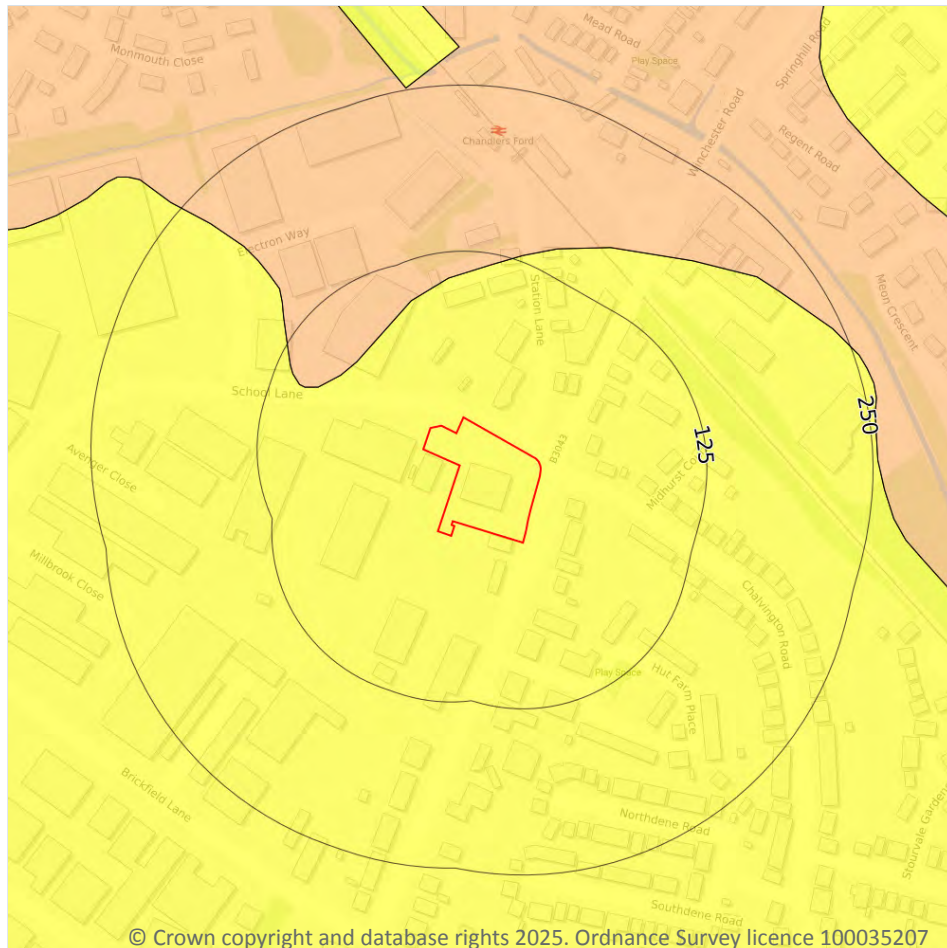
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 102 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

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

17.2 Running sands

Records within 50m

1

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

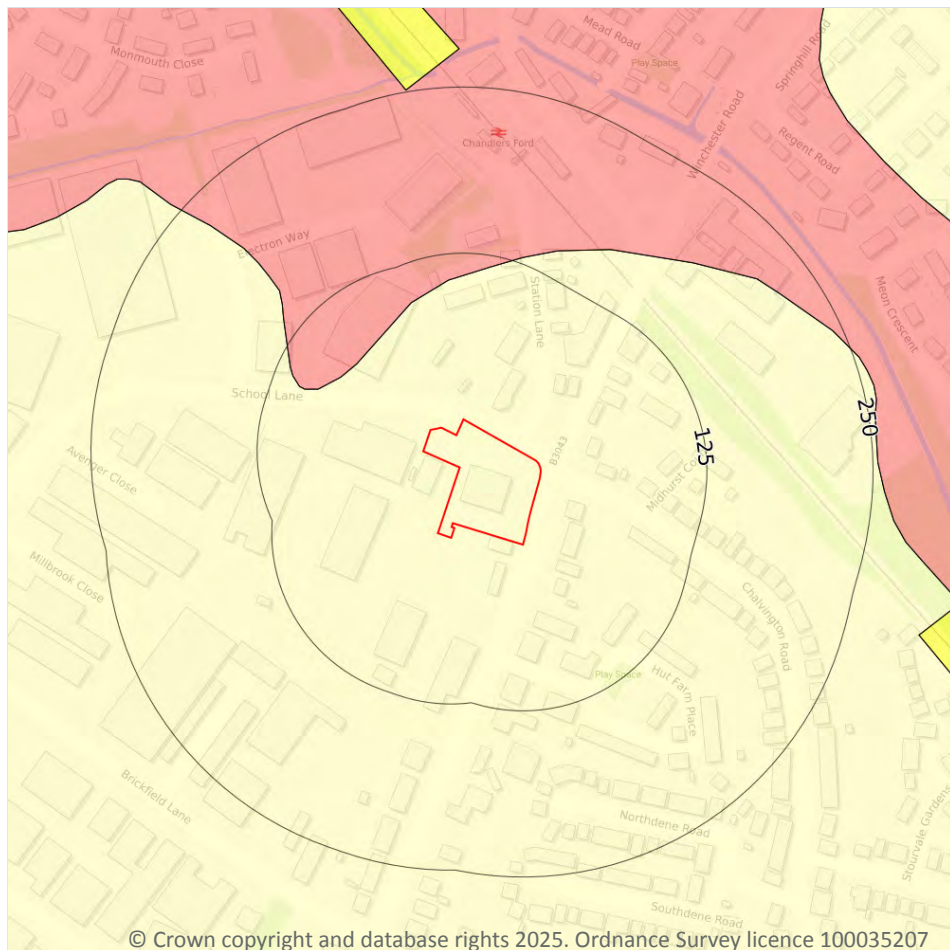
Features are displayed on the Natural ground subsidence - Running sands map on [page 103](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

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.

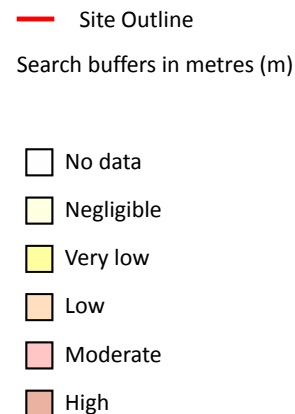
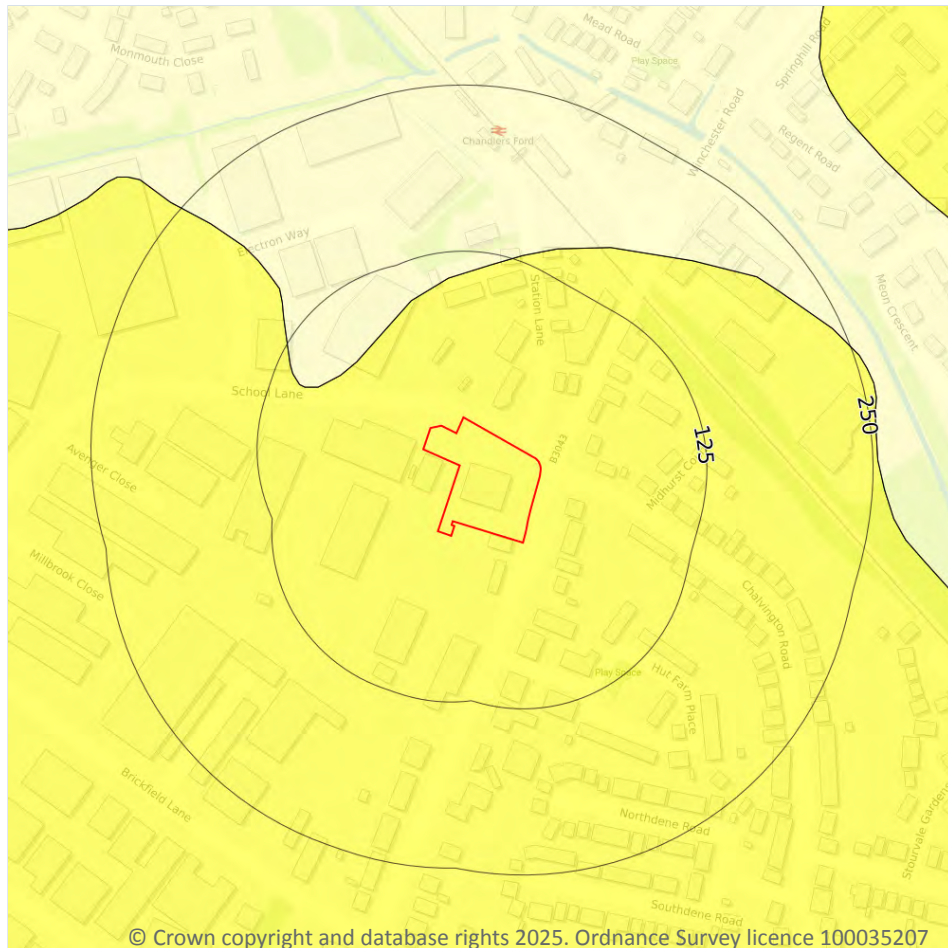
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 104](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

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

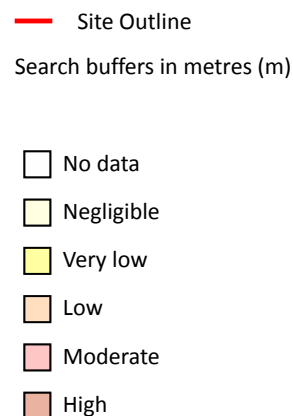
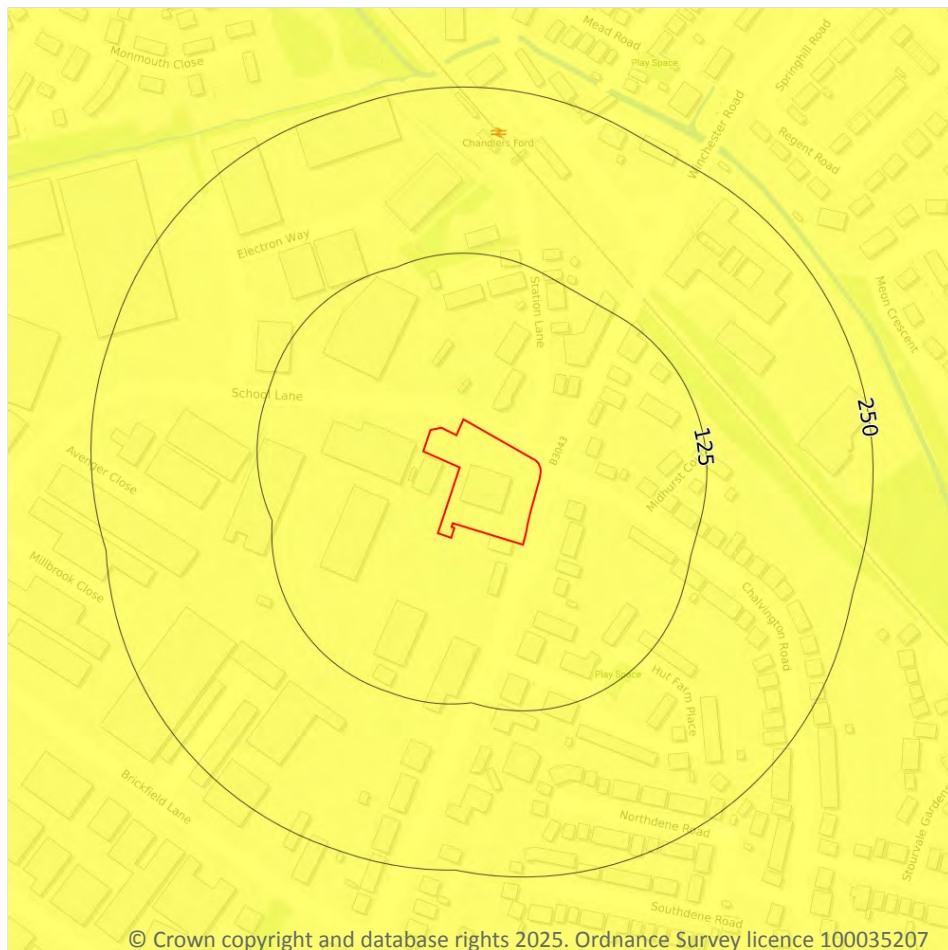
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 105 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

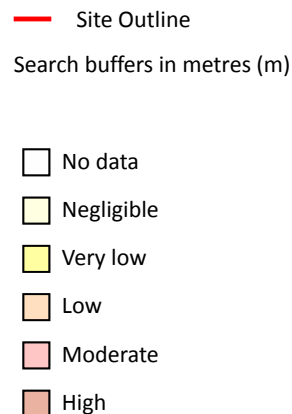
Features are displayed on the Natural ground subsidence - Landslides map on [page 106 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 107](#) >

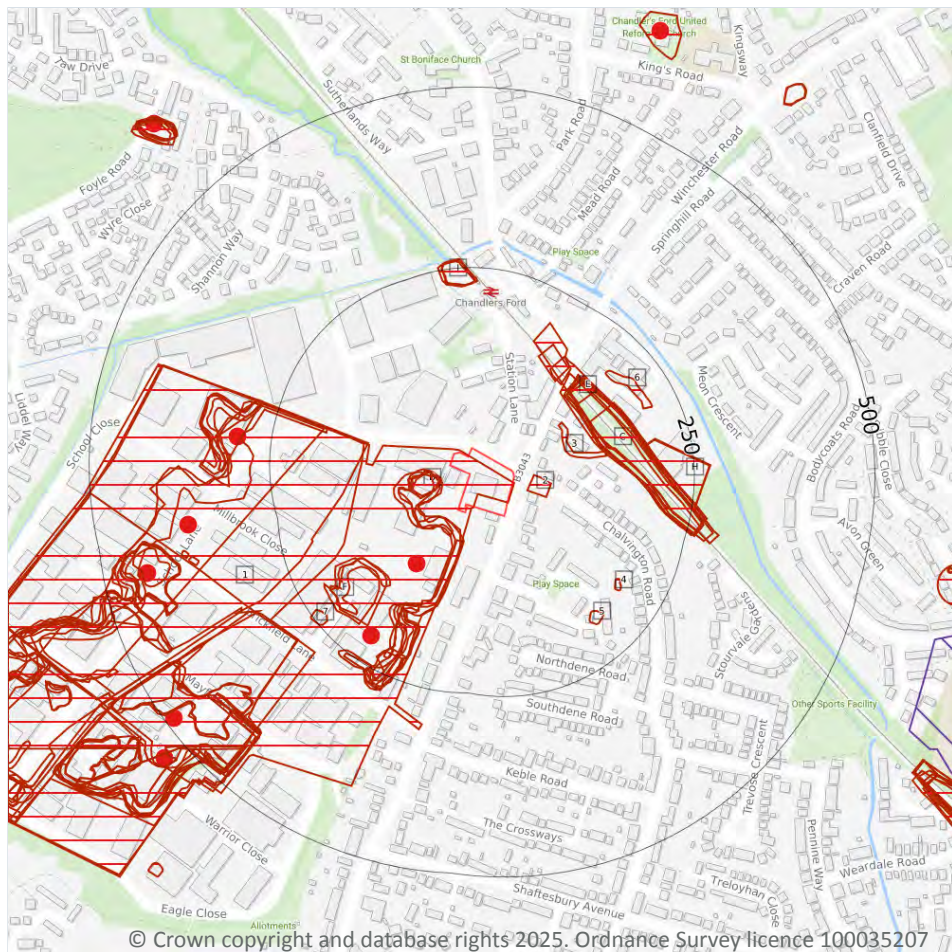
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining 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 109](#) >

ID	Location	Details	Description
A	94m SW	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
G	212m SW	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
J	297m W	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
D	372m W	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
D	439m W	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
L	487m SW	Name: Chandler's Ford Brick Works Address: Chandler's Ford, EASTLEIGH, Hampshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	45
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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 109](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Brick Works	1897	1:10560
A	19m SW	Unspecified Ground Workings	1897	1:10560
A	20m SW	Old Clay Pits	1908	1:10560
B	22m W	Unspecified Pit	1931	1:10560
2	22m E	Cuttings	1958	1:10560
B	23m SW	Unspecified Ground Workings	1895	1:10560
B	24m W	Unspecified Pit	1938	1:10560
B	26m W	Unspecified Pit	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	40m SW	Unspecified Ground Workings	1958	1:10560
3	78m E	Unspecified Ground Workings	1897	1:10560
C	116m NE	Cuttings	1895	1:10560
D	118m W	Brick Field	1958	1:10560
C	121m NE	Cuttings	1897	1:10560
C	122m NE	Cuttings	1991	1:10000
C	122m NE	Cuttings	1981	1:10000
C	122m NE	Cuttings	1958	1:10560
C	122m NE	Cuttings	1973	1:10000
D	122m W	Brick Works	1895	1:10560
C	125m NE	Cuttings	1908	1:10560
C	126m NE	Cuttings	1938	1:10560
C	127m NE	Cuttings	1931	1:10560
C	127m NE	Cuttings	1868	1:10560
E	132m NE	Cuttings	1931	1:10560
F	134m SW	Old Clay Pits	1908	1:10560
F	136m SW	Unspecified Pit	1897	1:10560
E	138m NE	Cuttings	1897	1:10560
E	138m NE	Cuttings	1908	1:10560
G	142m SW	Unspecified Ground Workings	1931	1:10560
F	143m SW	Unspecified Pit	1895	1:10560
G	144m SW	Unspecified Ground Workings	1895	1:10560
G	155m SW	Unspecified Pit	1958	1:10560
G	156m SW	Unspecified Pit	1938	1:10560
D	177m W	Unspecified Ground Workings	1897	1:10560
4	178m SE	Pond	1931	1:10560
5	179m SE	Pond	1931	1:10560
D	182m W	Unspecified Pit	1895	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
6	187m NE	Unspecified Ground Workings	1931	1:10560
H	189m E	Sewage Works	1931	1:10560
H	190m E	Sewage Works	1938	1:10560
G	213m SW	Pond	1931	1:10560
G	220m SW	Unspecified Pit	1958	1:10560
I	224m N	Unspecified Heap	1958	1:10560
I	225m N	Unspecified Heap	1938	1:10560
I	226m N	Unspecified Heap	1931	1:10560
7	234m SW	Old Clay Pits	1908	1:10560

This 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 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

1

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 109 >](#)

ID	Location	Name	Commodity	Class	Likelihood
-	904m E	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should 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
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
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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.

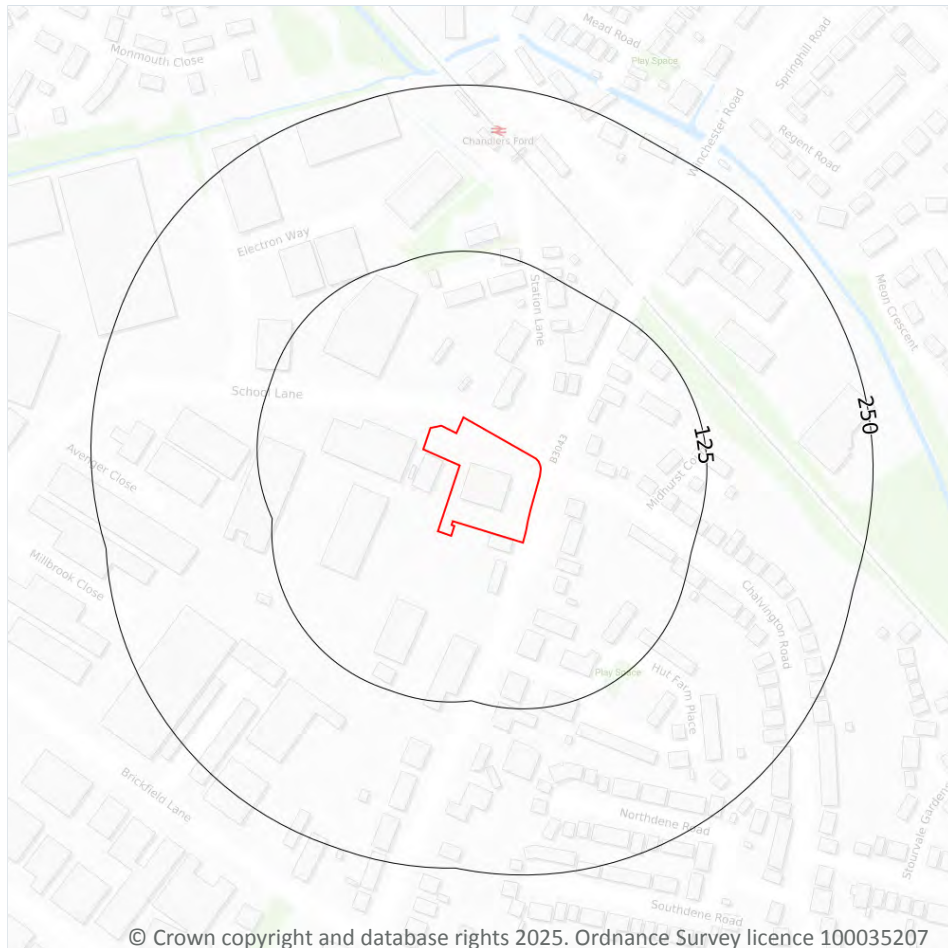
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



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 119](#) >

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

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 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 km²).

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 km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- - - Active railways
- - - Active tunnels
- - - Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

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

26

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 122 >](#)

Location	Land Use	Year of mapping	Mapping scale
98m NW	Railway Sidings	1909	2500
102m NW	Railway Sidings	1896	2500
104m NW	Railway Sidings	1895	10560
106m W	Railway Sidings	1908	10560
107m W	Railway Sidings	1897	10560
134m NE	Railway Sidings	1958	10560
136m NE	Railway Sidings	1908	10560
141m NE	Railway Sidings	1868	2500
144m NE	Railway Sidings	1962	1250
144m NE	Railway Sidings	1950	1250
144m NE	Railway Sidings	1959	2500
144m NE	Railway Sidings	1950	2500
145m NE	Railway Sidings	1964	2500
147m NE	Railway Sidings	1931	10560
147m NE	Railway Sidings	1897	10560
154m NE	Railway Sidings	1933	2500
154m NE	Railway Sidings	1939	2500



Location	Land Use	Year of mapping	Mapping scale
154m NE	Railway Sidings	1962	1250
154m NE	Railway Sidings	1950	1250
156m NE	Railway Sidings	1959	2500
156m NE	Railway Sidings	1950	2500
162m NE	Railway Sidings	1964	2500
170m N	Railway Sidings	1868	2500
171m NE	Railway Sidings	1938	10560
178m N	Railway Sidings	1897	10560
230m N	Railway Sidings	1909	2500

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

1

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 122 >](#)

Location	Description
170m N	Abandoned

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m

7

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 122 >](#)

Location	Name	Type
141m NE	Eastleigh Chandler's Ford and Romsey Line	rail
141m NE	Not given	Single Track
149m NE	Not given	Single Track
163m NE	Not given	Single Track
171m N	Not given	Single Track
199m N	Not given	Single Track
240m N	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

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

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