INVESTIGATE

REMEDIATE

REGENERATE

SUB SURFACE
Site Investigation Specialists,
Geotechnical & Environmental Consultants

DESK STUDY WITH WALKOVER SURVEY

AT
FORMER POLICE STATION,
MARKET PLACE,
POULTON-LE-FYLDE,
FY6 7AS

PREPARED FOR
CHOICE HOTELS LIMITED

REPORT NO. 6859
NOVERMBER 2019

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EXECUTIVE SUMMARY

This executive summary is a brief summary only and should be read in conjunction with the full report.

Section	Subject	Summary
Site Details	Site Address	Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS
	Grid Reference	334831,439393
	Current Land Use	Unused buildings with an old car park.
	Proposed Development	It is proposed to develop the site by constructing a bar/cafe
Site History	On Site	Series of buildings associated with the police station.
	Beyond Site Boundary	Series of buildings adjacent to the north, east and south with a corn mill present immediately to the east. Electricity substation adjacent to the north east. Surrounding area progressively more developed with residential properties with later works and retail properties.
Geological Appraisal	Made Ground	None identified on or in the immediate vicinity of the site, however, the site is developed and some can be expected.
	Superficial Geology	The superficial deposits are expected to be poorly sorted glacial deposits of sandy gravelly silty clay.
	Bedrock Geology	The bedrock is expected to be mudstone.
	Radon	The site is not in an area where radon protection measures are required.
	Mining	The site is not in an area affected by mining.
	Subsidence Hazards	No subsidence hazards have been identified on site.
Environmental Appraisal	Landfill Sites	No registered landfill sites have been identified within 250m of the site boundary. However, several ponds, the closest 108m to the north east, appear to have been backfilled but due to their small size, distance from the site and low permeability of the strata ground gasses are unlikely to affect the site.
	Hydrogeology	The superficial deposits are indicated to be a Secondary undifferentiated aquifer.
		The bedrock is indicated to be a Secondary B aquifer.
	Hydrology	There are no watercourses within 500m of the site boundary.
	Flood Risk	The highest risk of flooding from rivers and the sea on site is very low. Consequently, a Flood Risk Assessment is not likely to be required.
	Industrial Land Uses	Corn Mill immediately to the east of the site. Electricity substation adjacent ti north east.
	Other Relevant Details	N/a
Recommendations	• Nominal intrusive ground investigation to test for the contaminants listed in Table 4.	
Other Considerations (for Warranty Providers, Building Control, Structural Engineers, Developers, etc.)	Listed below are various items that are likely to be required at some point during the development and it would be cost effective to have them carried out simultaneously. This is not an exhaustive list. • Boreholes and laboratory testing to assess the ground conditions for foundation design. • BRE Digest 365 Soakaway Tests. • Waste Classification and WAC testing for removal of waste to landfill. • Water Pipeline Risk Assessment.	

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DESK STUDY WITH WALKOVER SURVEY AT FORMER POLICE STATION, MARKET PLACE, POULTON-LE-FYLDE, FY6 7AS

CLIENT: CHOICE HOTELS LIMITED

CONSULTANT: SMITH & LOVE PLANNING CONSULTANTS LIMITED

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1. INTRODUCTION

This report has been prepared in accordance with an emailed instruction dated 22nd October 2019, from the Planning Consultant on behalf of the Client.

The brief was set out in our estimate, ref. E3699 and dated 14th October 2019, and comprises a walkover survey and a desk study report including a historical, geological environmental appraisal together with a conceptual ground model.

1.1 Site Location and Description

The site is located at the Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 334831,439393.

As shown on Figure 2, the irregular shaped 0.07ha site is bound by the rear of retail buildings fronting onto Chapel Street Court and the grassed area of St Chad's Church to the north and onto Queens Square to the south, bituminous macadam car parking to the east and a paved access way (Market Place) to the west.

1.2 Proposed Development and Purpose of the Desk Study

We understand that it is proposed to develop the site by constructing a bar/cafe, as shown on Figure 3.

The purpose of the desk study is to obtain information regarding the sites historical, geological and environmental setting in order to produce a conceptual ground model, to assess the ground conditions, to undertake a preliminary assessment of contamination sources, pathways and receptors relating to potential hazards that exist or will potentially exist on the site and to assess the need for ground investigation.

1.3 Walkover Survey

The walkover survey was undertaken on 29th October 2019 during which photographs of the site were taken. A Walkover Survey Plan depicted on Figure 2, showing the positions of the photographs, and the photographs are appended.

The site is bordered by a brick wall with gated access under a two-storey building in the west. The site is surfaced with bituminous macadam and comprises a two-storey building in the west adjoined to a single storey building in the south with a garage immediately to their east. The east of the site was used as a car park. The site slopes gently down to the west from the garage. Overhead cables are present marginally in the north.

It is unclear as to whether the garage has asbestos cement sheet roofing.

No visual or olfactory contamination was noted during the walkover survey.

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2. DESK STUDY

2.1 Historical Appraisal

The past history of the site has been interpreted from the study of old Ordnance Survey plans supplied by Groundsure, as follows:

TABLE 1 SMALL SCALE SURVEYS

Date	Scale
1847-1848	1:10,560
1891	1:10,560
1910	1:10,560
1930-1931	1:10,560
1938	1:10,560
1951	1:10,560
1967-1968*	1:10,560
1969-1973	1:10,000
1981-1985	1:10,000
1992	1:10,000
2001	1:10,000
2010	1:10,000
2019	1:10,000

TABLE 2 LARGE SCALE SURVEYS

Date	Scale
1891	1:2,500
1912	1:2,500
1932	1:2,500
1937	1:2,500
1960-1961	1:1,250**
1961	1:1,250**
1961	1:2,500
1967-1970	1:1,250**
1977-1981	1:1,250**
1983-1985	1:1,250**
1987-1992	1:1,250**
1988-1993	1:1,250**
1991-1994	1:1,250**
1993-1994	1:1,250**
2003	1:1,250

* Site not shown.
** Published scale, the appended extract is reproduced at 1:2,000

Extracts of the above surveys are appended.

TABLE 3 HISTORICAL APPRAISAL

Date	On site	Beyond site boundary
1847-1848	The scale of the maps makes it difficult to determine the site layout at this time, however there do appear to be building/s present in the west.	The surrounding area is developed with unspecified buildings bordering the site to the north, east and south and market square to the west. Small graveyard shown some 24m to the north. Number of ponds depicted.
1891	Police Station present in the west with buildings present at the western end of the site forming an enclosed courtyard.	Buildings bordering the site to the north and east appear to have been redeveloped. Ponds present 110m south west, 130m north west, 185m north west, 108m north east and 180m south.
1910-1912	Buildings constructed in the east of the site.	Additional buildings constructed adjacent to the north of the site. Buildings present immediately to the west replaced with a corn mill. Building adjacent to the south extended. Development, largely residential, of the surrounding area with a railway line constructed some 170m to the north, servicing a station approximately 185m to the north east. Ponds 185m to the north west and 108m to the north east no longer shown indicating possible backfilling.
1930-1932	No significant changes noted.	Redevelopment of buildings adjacent to the north. Additional buildings constructed immediately to the north. Outbuilding

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		constructed adjacent to the east of the site, presumably associated with the corn mill. Continued residential development in the surrounding area.
1937-1951	No significant changes noted.	Pond 180m to the south no longer shown indicating possible backfilling.
1960-1961	Building that is now the garage constructed. Small outbuildings constructed in the southern most margin and adjacent to the eastern boundary.	Building adjacent to the east of the site extended. Corn Mill now an unspecified mill. Some unspecified works, warehouse and an abattoir now depicted, the closest an unspecified works 84m to the south west. Garage depicted approximately 85m to the north. Pond some 205m to the south west no longer shown, indicating possible backfilling to allow for development of a telephone exchange. Continued development in the surrounding area, largely residential.
1967-1970	No significant changes noted.	Building adjacent to the east demolished. Electricity substation shown 16m to north east. Pond 118m to the south west no longer shown indicating possible backfilling. Continued development of the surrounding area, largely residential.
1977-1981	No significant changes noted.	Mill building to the east demolished replaced with terraced housing. Buildings to the north redeveloped with terraced housing/retail units. Extensive redevelopment of the surrounding area beyond 100m to the west with a new road scheme and commercial and retail units with associated access.
1983-1985	Buildings in the east and south demolished with the canopied access in the west constructed. Site has the same layout as currently occupying the site.	No significant changes noted.
1988-2001	No significant changes noted.	Surrounding area largely the same with some residential development beyond 150m to the south west.

We are not aware of any other significant changes to the site in the period between the Walkover Survey conducted 10th October 2019. The small scale of the Ordnance Survey maps for 2010 and 2019 make it difficult to accurately determine any changes to the site and the surrounding area.

2.2 Geological Appraisal

The geological appraisal is based on the appended Groundsure Geo Insight Report.

Made Ground

According to the Geo Insight report there are no records of made ground on or in the immediate vicinity of the site. However, the site is developed and some made ground can be expected.

Drift

According to the Geo Insight report the drift strata beneath the site are expected to be Glacial Till of Devensian age and comprise diamicton; poorly sorted glacial deposits of sandy gravelly silty clay which exhibit low to high permeability.

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Bedrock

The bedrock beneath the site is anticipated to be mudstone of the Anisian Age – Early Triassic Epoch Singleton Mudstone Member which typically exhibits a low permeability.

Radon

The Geo Insight report contains information from the Radiation Protection Division of the Health Protection Agency (HPA).

The HPA indicate that the site is not in a Radon Affected Area as less than 1% of surrounding properties are above the Action Level. The Action Level is 200 Becquerels/ m^3.

Also, the Geo Insight report indicates that for new properties or extensions to existing properties, in accordance with the Building Research Establishment (BRE) publication BR211, no radon protection measures are required.

Ground Workings

The Geo Insight Report indicates historical surface ground working features within 250m of the site boundary comprise a graveyard 24m to the north, a pond 129m to the west and numerous cuttings associated with the railway some 170m to the north.

The survey states there are no historical underground working features or current ground workings within 250m of the site.

Mining, Extraction & Natural Cavities

According to the Geo Insight report there are no records of historical mining, coal or non-coal mining within 1km of the site.

The site is not in an area affected by non-coal mining cavities, natural cavities, brine extraction, gypsum extraction and clay mining.

Natural Ground Subsidence

The Geo Insight Report indicates that the site has a very low risk of natural ground subsidence from shrinking/ swelling clays, landslides, collapsible deposits and running sands with a negligible risk posed by ground dissolution of soluble rocks and compressible deposits.

Railways and Tunnels

The Geo Insight Report indicates that there are numerous records of historical railway sidings with the closest situated 150m to the north east. There are records of razed railway lines 188m, 199m and 233m to the north, an abandoned railway 199m to the north and a disused railway 233m to the north.

There are several records of active railways with the closest determined to be 188m to the north.

The site is not within 5km of the route of the High Speed 2 rail project and is not within 500m of the Crossrail 1 rail project.

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2.3 Environmental Appraisal

An environmental data search has been carried out by Groundsure and the results are given in the appended "Enviro Insight Report". A summary is as follows:

Historical Land Use

The report identifies several records indicative of potentially contaminative past land use within 250m of the site. Records on site comprise a Police Station and records off site include a brewery 24m to the south east, a graveyard 24m to the north, unspecified pumps 119m to the north west and 122m to the south, a church yard 122m to the east, numerous railway sidings and associated cuttings with the closest 150m to the north east and 170m to the north respectively and a telephone exchange 166m to the north west.

The closest record of an historical unspecified tank is 155m to the south west. The closest historical electricity substation is 16m to the east. There are two records of historical garages situated 85m to the north and 224m to the south.

Areas of potentially infilled land are identified as a graveyard 24m to the north, a pond 129m to the west and numerous cuttings associated with the railway which appear not to have been backfilled.

IPC/ IPPC/ Part 1(A) Authorisations

The environmental data report indicates that there are no IPC, IPPC or Part 1(A) Authorisations within 500m of the site boundary.

Potentially Harmful Discharges

According to the environmental data report there are no records of potentially harmful discharges to public sewers or controlled waters within 500m of the site boundary.

List 1 and List 2 Dangerous Substances Inventory Sites

The environmental data report indicates that there are no records of List 1 or List 2 Dangerous Substances Inventory Sites within 500m of the site boundary.

Part A(2) and Part B Authorisations

According to the environmental data report there are two Part A(2) or Part B Authorisations related to air pollution within 500m of the site boundary situated 44m to the south east and 405m to the north east.

Radioactive Substance Licences

The environmental data report indicates that there are no records of Category 3 or Category 4 Radioactive Substance Licenses within 500m of the site boundary.

Discharges

According to the environmental data report there are no licensed discharge consents within 500m of the site boundary.

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Water Industry Referrals for Potentially Harmful Discharges to Public Sewers

The environmental data report indicates that there are no records of potentially harmful discharges to public sewers within 500m of the site boundary.

Planning Hazardous Substances Consents and Enforcements

There are no records of Planning Hazardous Substances Consents and Enforcements within 500m of the site boundary according to the environmental data report.

Dangerous or Hazardous Sites

Records of Control of Major Accident Hazards (COMAH) and Notification of Installations Handling Hazardous Substances (NIHHS) indicate that there are no dangerous or hazardous sites within 500m of the site boundary.

Pollution Incidents

The environmental data report indicates that there have been no pollution incidents within 500m the site boundary.

Contaminated Land

There are no sites determined as contaminated under Section 78R of the Environmental Protection Act (1990) within 500m of the site boundary.

Registered Landfill Sites

According to the environmental data report there are no current/ historical registered landfill sites within 250m of the site boundary.

Unregistered Landfill Sites

The historical appraisal has identified potential unregistered landfills in the form of ponds within 250m that may have been infilled with unknown material which may be a source of ground gas. However, due to their small size, distance from the site and the low permeability of the strata ground gasses from these areas are unlikely to affect the site.

Other Waste Treatment, Transfer and Disposal Sites

According to the environmental data report there are no waste treatment, transfer and disposal sites within 500m of the site boundary.

Current Land Use

Current potentially contaminative industrial land uses are recorded by the environmental data report. Within 250m of the site boundary records include a coach hire and rental 9m to the south, an electricity substation 20m to the north east, signs production 21m to the south west and unspecified works/ factories 75m to the east.

Hydrogeology and Hydrology

Designation of aquifers in the environmental data report are in accordance with the Environment Agency's April 2010 Groundwater Protection Policy.

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The superficial/ drift deposits comprise diamicton which are indicated to be a Secondary undifferentiated aquifer. Secondary undifferentiated is assigned where it is not possible to attribute either category A or B to a soil type. In general, these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the soil type.

The bedrock comprise mudstone which is indicated to be a Secondary B aquifer. A Secondary B aquifer comprises predominantly lower permeability layers which may store or yield limited amounts of groundwater due to localised features such as fissures and thin permeable horizons.

According to the environmental data report there are no groundwater abstraction licences and surface water abstraction licenses within 1km of the site boundary and no potable water abstraction licences within 2km of the site boundary.

There are no Source Protection Zones, set up to protect a water source within 500m of the site of boundary, present according to the environmental data report.

The environmental data report indicates that there are no watercourses within 500m of the site boundary.

There are no Floodplains, Flood Defences and/ or Flood Storage Areas present within the 250m of the site boundary according to the environmental data.

The Environment Agency's Risk of Flooding from Rivers and Sea (RoFRaS) database indicates that the highest risk of flooding on-site is "very low". Consequently, a Flood Risk Assessment is not likely to be required.

According to the environmental data report the British Geological Survey indicate that, with high confidence, the site has a potential below surface susceptibility to groundwater flooding.

Environmental Sensitivity

Within 2km of the site boundary, according to the environmental data report there is a Site of Special Scientific Interest (SSSI) 1753m to the north east, a Special protection Area (SPA) 1754m to the north east, a Ramsar site 1753m to the north east and twelve records of Green Belt land with the closest 374m to the north west.

2.4 Conceptual Ground Model

A conceptual ground model of a site and its environs uses available information to form a preliminary assessment of contamination sources, pathways and receptors, and the significance of hazards that exist or will potentially exist on the site. Its purpose is to identify the relationships between sources of contamination, pathways and receptors to allow exposure scenarios to be determined and thereby aid in the design of any intrusive investigation. It also forms the basis of the risk assessment.

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Sources

Potential sources of contamination identified in the desk study are:

- General contaminants and asbestos fibres in made ground derived from past building and demolition processes and materials.
- Hydrocarbon contamination from spillage and leakage of oils and fuels from vehicles associated with the Former Police Station or the old car park.
- PCB contamination from the electricity substation adjacent to the north east.
- Leachates and ground gasses from the graveyard 24m north.

Pathways

Potential pathways between sources and receptors for the proposed development are:

- Direct contact with and ingestion of contaminated soil and inhalation of dust by site workers during construction and demolition and by end users of the site.
- Inhalation of vapours by site workers during construction and demolition and by the end users of the site in enclosed spaces.
- Migration of contaminants to the underlying aquifer.
- Accumulation of ground gasses in enclosed spaces.

Receptors

Potential receptors for the proposed development are:

- Site workers during any demolition, clearance and construction works.
- The end users of the site.
- Controlled waters including the underlying aquifer.

Conclusions

An appraisal of the sources, pathways and receptors has been considered and we have produced a conceptual ground model based upon the available information, as follows:

TABLE 4 CONCEPTUAL GROUND MODEL

Potential Source	**Nature of Hazard**	**Contaminants Associated with the Source**	**Pathway**	**Receptor**	**Preliminary Risk Rating**
Made Ground (If present on site) Corn Mill	Contaminants in Made Ground	Gen. Contaminants Arsenic Cadmium Chromium Lead Mercury Molybdenum Nickel Selenium Boron Copper Zinc Cyanide Sulphide Sulphate pH	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Low

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		Phenols Polynuclear Aromatic Hydrocarbons (PAH) Total Petroleum Hydrocarbons (TPH)	Direct contact	Structures and Services	Low
Asbestos on/ in ground	Asbestos fibres	Asbestos fibres	Inhalation of fibres	Site Operatives End Users	Low
Vehicles on site or using the garage	Fuel/ oil spillage and/or leakage from machinery, fuel/oil tanks and/or vehicles	Total Petroleum Hydrocarbons (TPH) and/ or Benzene/ Toluene/ Ethylbenzene/ Xylene (BTEX)	Ingestion of soil Ingestion of dust Ingestion of contaminated vegetable produce Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Low
			Direct contact	Structures and Services	Low
Electricity Sub Station	Spillage/ leakage of transformer coolants	Poly Chlorinated Biphenyls (PCB)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Low
			Direct contact	Structures and Services	Low
Graveyard (1)	Contaminant leachate from burials	Cadmium Nickel Formaldehyde Ammonia	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Very Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters	Very Low

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			Direct contact	Structures and Services	Very Low
Graveyard (2)	Ground Gas (Asphyxiation, fire and explosion)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives	Very Low

The conceptual ground model indicates that a nominal intrusive ground investigation is required to assess the ground conditions. The ground investigation should also soil samples for asbestos detection and contamination analysis and, where possible, groundwater and surface water samples for contamination analysis.

In addition, given the small size and distance of any infilled ground and the low permeability of the strata ground gases are unlikely to affect the site. However, if a significant depth of made ground is found, an assessment should be made as to whether gas standpipe installation and monitoring is required.

2.5 General

Based on the conceptual ground model given in Section 2.4 we would recommend the following further investigation:

- Nominal intrusive ground investigation to test for the contaminants listed in Table 4.

No consideration has been given to flora and fauna as this was outside our brief.

We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned or Miss Anna Marsden at our Preston office.

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REPORT No. 6859
NOVEMBER

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PRELIMINARY RISK RATING GUIDANCE

PRELIMINARY RISK RATING GUIDANCE

The following table taken from CIRIA C552 'Contaminated Land Risk Assessment. A Guide to Good Practice' has been used when developing the Conceptual Ground Model and the preliminary risk ratings. The method requires an assessment of the magnitude of the probability or likelihood of the risk occurring and the magnitude of the potential consequence or severity of the risk occurring to formulate a preliminary risk rating (Table A).

Table A DESCRIPTION OF RISK AND LIKELY ACTION REQUIRED

Preliminary Risk Rating	Action Required
Very High Risk	Extensive Ground Investigation Required. There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High Risk	Extensive Ground Investigation Required. Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate	Ground Investigation Required. It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long-term.
Low Risk	Nominal Ground Investigation Required. It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk	No Ground Investigation Required.* There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.
Negligible Risk	No Ground Investigation Required.* There is a very low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

* No further action is required unless unforeseen contaminated ground conditions are encountered.

PHOTOGRAPHS

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Photographs

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Client: CHOICE HOTELS LIMITED

Consultant: SMITH & LOVE PLANNING CONSULTANTS LIMITED

Job Number: 6859

Sheet: 1 / 1

Survey Date: 29/10/19

WALKOVER SURVEY PHOTOGRAPHS

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GEOINSIGHT REPORT

Geo Insight

Address:	**Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS**
Date:	**23 Oct 2019**
Reference:	**CMAPS-CM-836398-4199-231019GEO**
Client:	**CENTREMAPS**

NW N NE

W E

SW S SE

Aerial Photograph Capture date:	08-Apr-2017
Grid Reference:	334831,439393
Site Size:	0.0709ha

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Overview of Findings

The Groundsure Geo Insight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 and 1:10,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Non-coal mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Geology 1:10,000 Scale		
1.1 Artificial Ground	1.1 Is there any Artificial Ground/ Made Ground present beneath the study site at 1:10,000 scale?	No
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site at 1:10,000 scale?*	Yes
	1.2.2 Are there any records of landslip within 500m of the study site boundary at 1:10,000 scale?	No
1.3 Bedrock, Solid Geology and linear features	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records of linear features within 500m of the study site boundary at 1:10,000 scale?	No

Section 2: Geology 1:50,000 Scale		
2.1 Artificial Ground	2.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	No
	2.1.2 Are there any records relating to permeability of artificial ground within the study site*boundary?	No
2.2 Superficial Geology and Landslips	2.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?*	Yes
	2.2.2 Are there any records of permeability of superficial ground within 500m of the study site?	Yes
	2.2.3 Are there any records of landslip within 500m of the study site boundary?	No
	2.2.4 Are there any records relating to permeability of landslips within the study site* boundary?	No

Section 2: Geology 1:50,000 Scale

2.3 Bedrock, Solid Geology and linear features	2.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	2.3.2 Are there any records relating to permeability of bedrock ground within the study site boundary?	Yes
	2.3.3 Are there any records of linear features within 500m of the study site boundary?	No

Section 3: Radon

3. Radon	3.1Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
	3.2Radon Protection	No radon protective measures are necessary.

Section 4: Ground Workings	On-site	0-50m	51-250	251-500	501-1000
4.1 Historical Surface Ground Working Features from Small Scale Mapping	0	1	19	Not Searched	Not Searched
4.2 Historical Underground Workings from Small Scale Mapping	0	0	0	0	0
4.3 Current Ground Workings	0	0	0	1	1

Section 5: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
5.1 Historical Mining	0	0	0	0	0
5.2 Coal Mining	0	0	0	0	0
5.3 Johnson Poole and Bloomer Mining Area	0	0	0	0	0
5.4 Non-Coal Mining*	0	0	0	0	0
5.5 Non–Coal Mining Cavities	0	0	0	0	0
5.5 Natural Cavities	0	0	0	0	0

Section 5: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
5.6 Brine Extraction	0	0	0	0	0
5.7 Gypsum Extraction	0	0	0	0	0
5.8 Cornwall and Devon Metalliferous Mining	0	0	0	0	0
5.9 Clay Mining	0	0	0	0	0

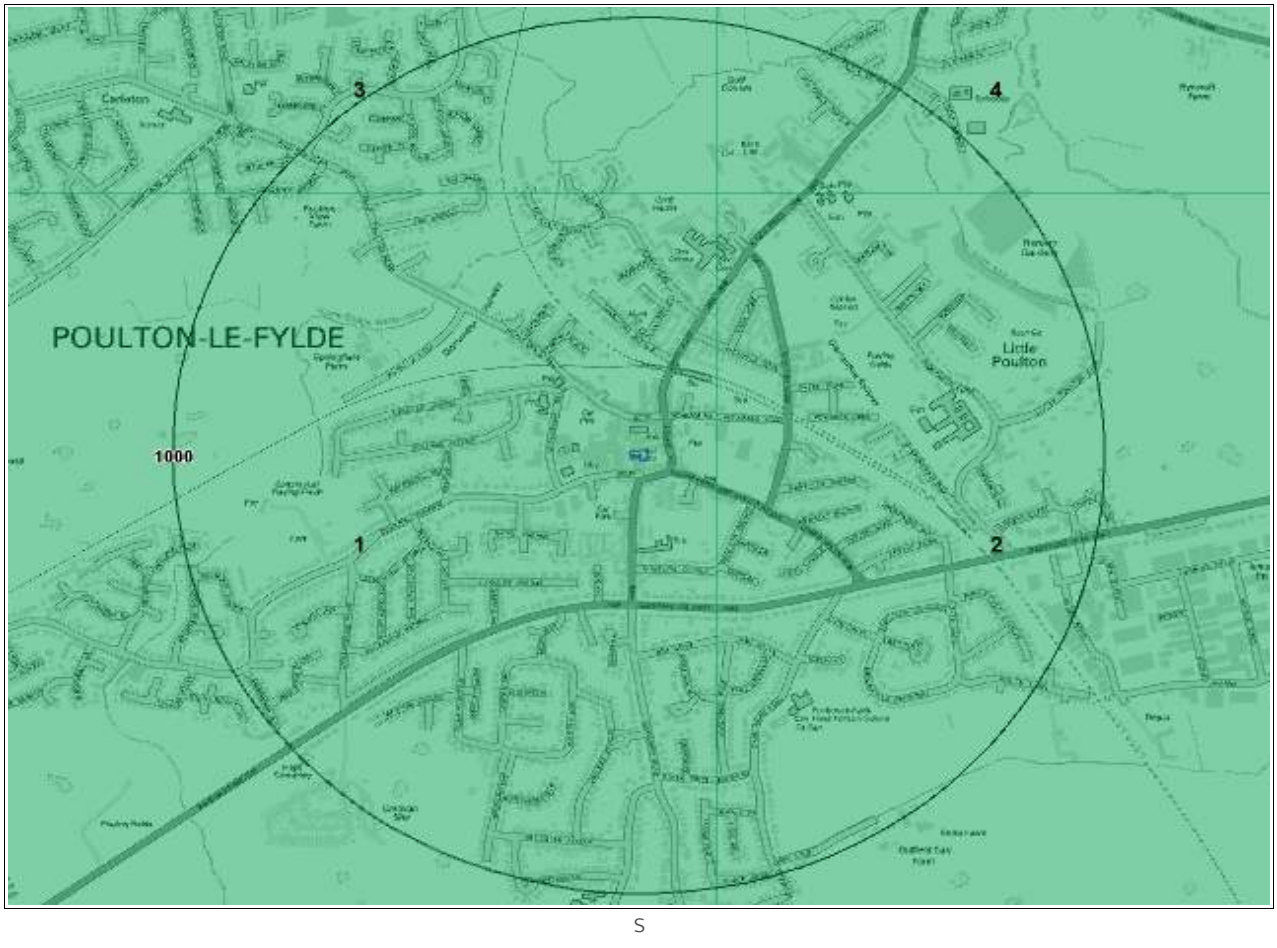
Section 6: Natural Ground Subsidence	On-site
6.1 Shrink-Swell Clay	Very Low
6.2 Landslides	Very Low
6.3 Ground Dissolution of Soluble Rocks	Negligible
6.4 Compressible Deposits	Negligible
6.5 Collapsible Deposits	Very Low
6.5 Running Sand	Very Low

Section 7: Borehole Records	On-site	0-50m	51-250
7 BGS Recorded Boreholes	0	0	4

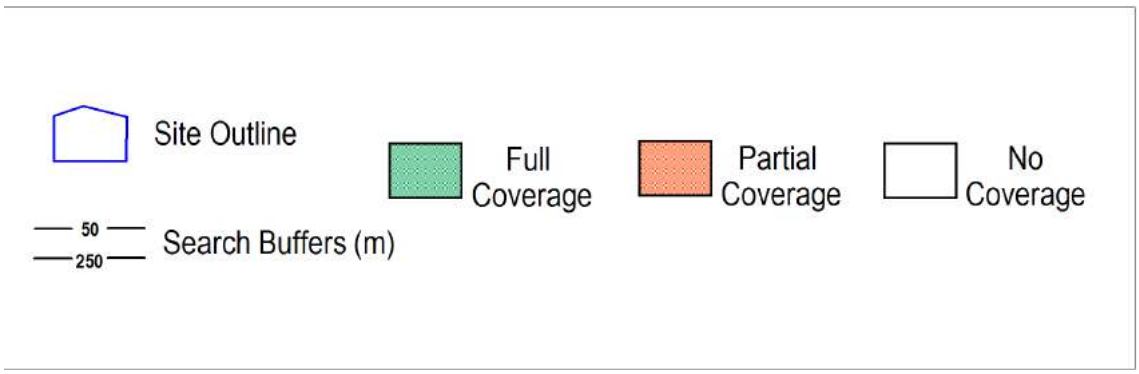
Section 8: Estimated Background Soil Chemistry	On-site	0-50m	51-250
8 Records of Background Soil Chemistry	1	0	0

Section 9: Railways and Tunnels	On-site	0-50m	51-250	250-500
9.1 Tunnels	0	0	0	Not Searched
9.2 Historical Railway and Tunnel Features	0	0	23	Not Searched
9.3 Historical Railways	0	0	5	Not Searched
9.4 Active Railways	0	0	20	Not Searched
9.5 Railway Projects	0	0	0	0

1:10,000 Scale Availability



1_10,000 Availability Legend



Availability of 1:10,000 Scale Geology Mapping

The following information represents the availability of the key components of the 1:10,000 scale geological data.

ID	Distance	Artificial Coverage	Superficial Coverage	Bedrock Coverage	Mass Movement Coverage
1	0.0	Some deposits are mapped	Full	Full	No coverage
2	148.0	No deposits are mapped	Full	Full	No coverage
3	595.0	Some deposits are mapped	Full	Full	No coverage
4	613.0	Some deposits are mapped	Full	Full	No coverage

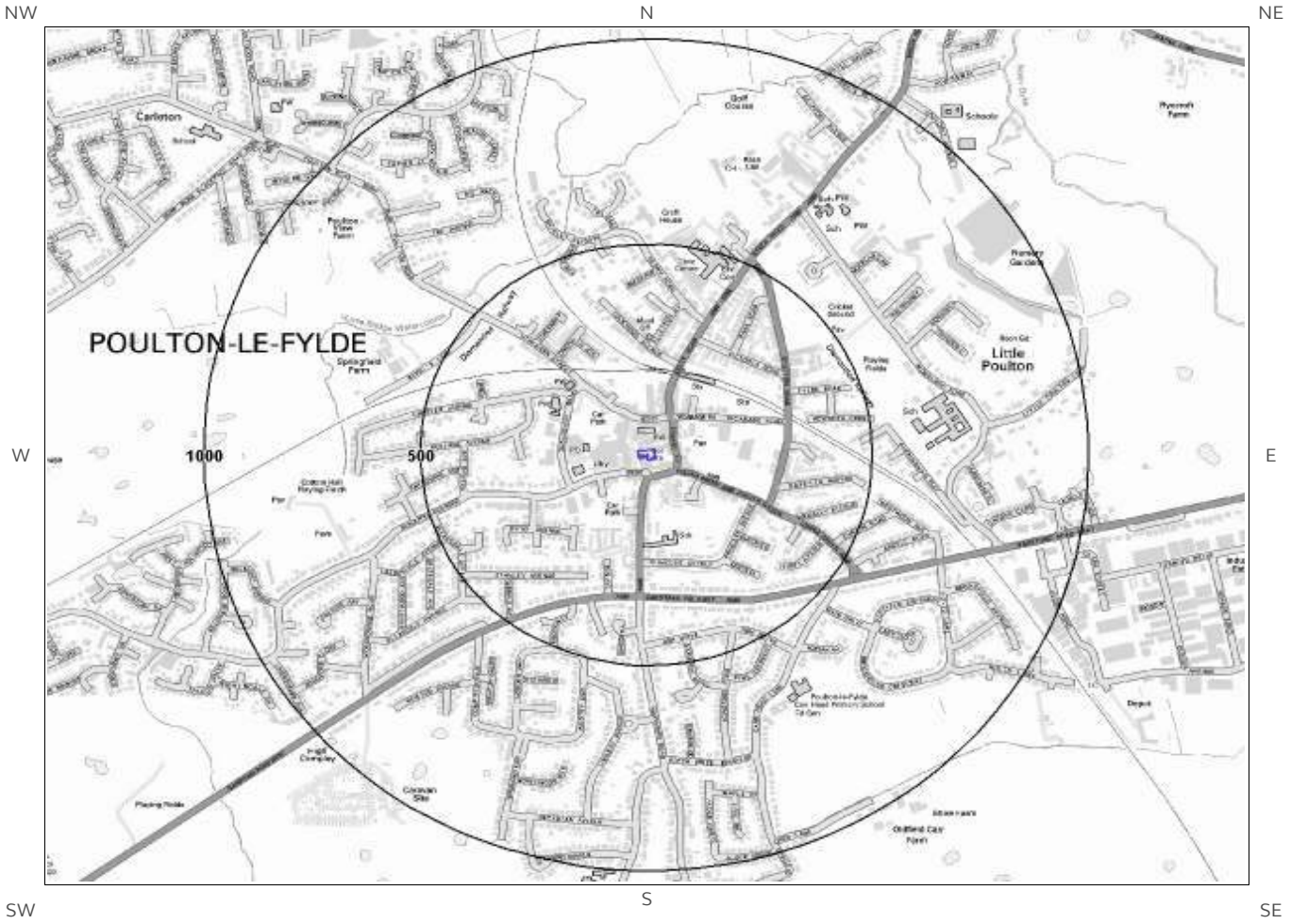
Guidance: The 1:10,000 scale geological interpretation is the most detailed generally available from BGS and is the scale at which most geological surveying is carried out in the field. The database is presented as four types of geology (artificial, mass movement, superficial and bedrock), although not all themes are mapped or available on every map sheet. Therefore a coverage layer showing the availability of the four themes is presented above.

The definitions of coverage are as follows:

Geology	Full Coverage	Partial Coverage	No Coverage
Bedrock	The whole tile has been mapped	Some but not all the tile has been mapped	No coverage
Superficial	The whole tile has been mapped	Some but not all of the tile has been mapped	No coverage
Artificial	Some deposits are mapped on this tile	-	No deposits are mapped
Mass Movement	Some deposits are mapped on this tile	-	No coverage

1 Geology (1:10,000 scale).

1.1 Artificial Ground map (1:10,000 scale)



Artificial Ground Legend

Site Outline

500
1000
Search Buffers (m)

Made Ground (undivided)

Disturbed Ground (undivided)

Worked Ground (undivided)

Landscaped Ground (undivided)

Infilled Ground

Reclaimed Ground

1. Geology 1:10,000 scale

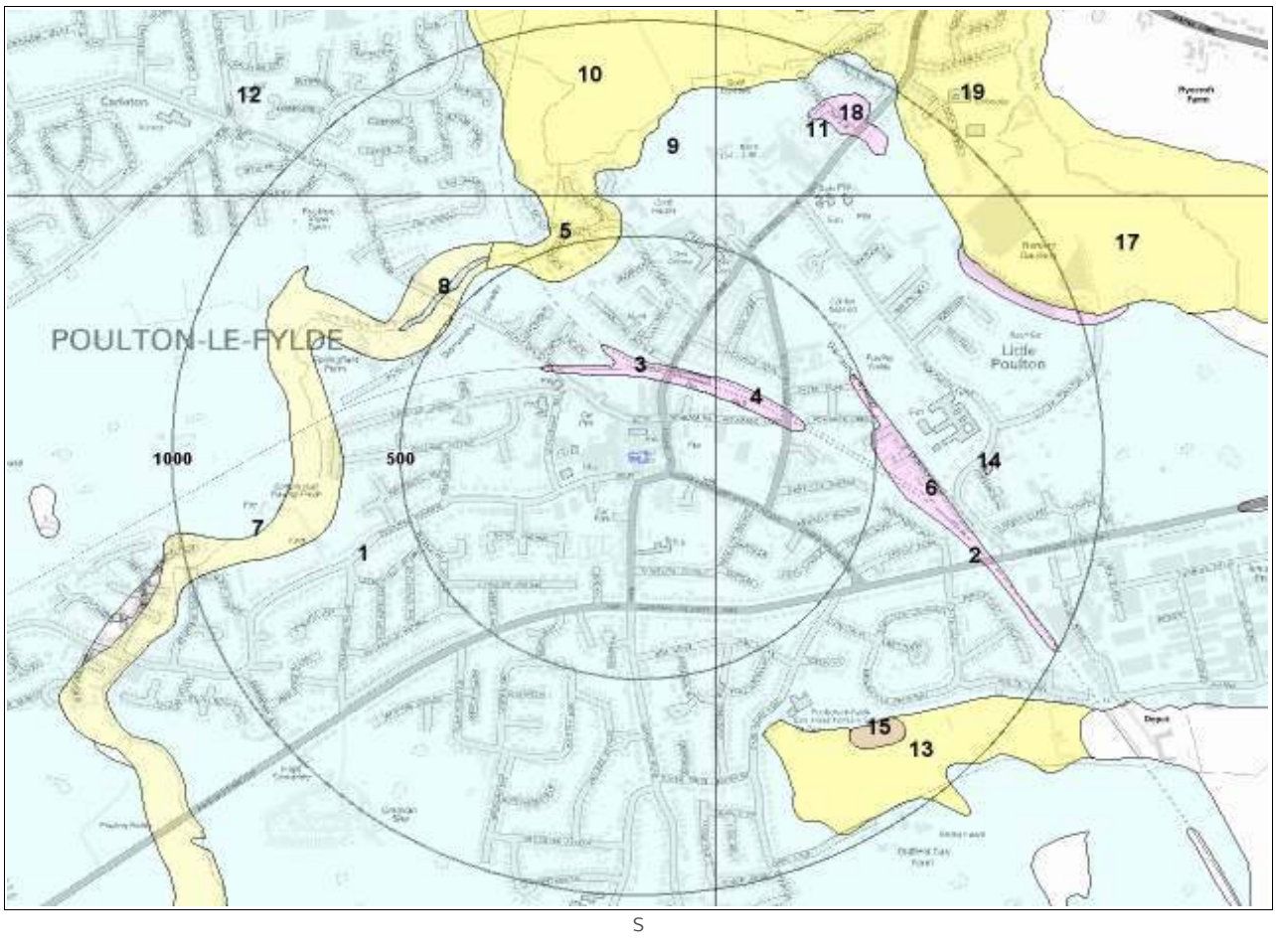
1.1 Artificial Ground

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping.

Are there any records of Artificial/ Made Ground within 500m of the study site boundary at 1:10,000 scale? No

Database searched and no data found.

1.2 Superficial Deposits and Landslips map (1:10,000 scale)



Artificial Ground Legend

Site Outline

500
1000
Search Buffers (m)

1.2 Superficial Deposits and Landslips

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary at 1:10,000 scale? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	148.0	E	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	168.0	N	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
4	199.0	NE	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
5	425.0	N	TFD1-XCZ	Tidal Flat Deposits, 1 - Clay And Silt	Clay And Silt
6	476.0	E	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
7	492.0	NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

1.2.2 Landslip

Are there any records of Landslip within 500m of the study site boundary at 1:10,000 scale?

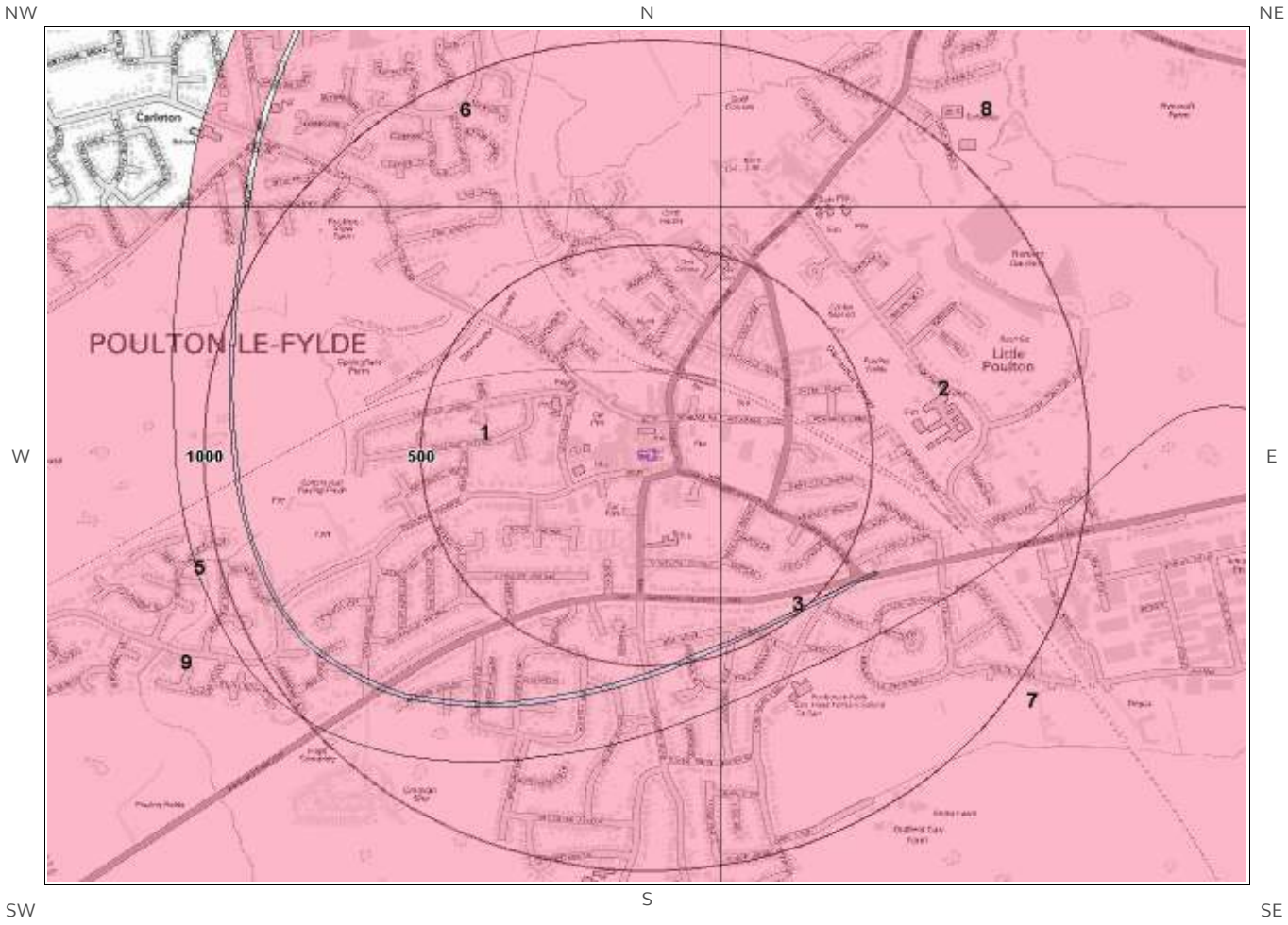
No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:10,000 scale

This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.3 Bedrock and linear features map (1:10,000 scale)



Bedrock and linear features Legend

Site Outline

500
1000
Search Buffers (m)

1.3 Bedrock and linear features

The following geological information represented on the mapping is derived from 1:10,000 scale BGS Geological mapping.

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/Solid Geology within 500m of the study site boundary at 1:10,000 scale.

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	SNM-MDST	Singleton Mudstone Member - Mudstone	Anisian Age - Early Triassic Epoch
2	148.0	E	SNM-MDST	Singleton Mudstone Member - Mudstone	Anisian Age - Early Triassic Epoch
3	474.0	SE	MSA-MDHA	Mythop Halite Member - Mudstone And Halite-stone	Anisian Age
4	475.0	S	MSA-MDHA	Mythop Halite Member - Mudstone And Halite-stone	Anisian Age
5	485.0	S	SNM-MDST	Singleton Mudstone Member - Mudstone	Anisian Age - Early Triassic Epoch

1.3.2 Linear features

Are there any records of linear features within 500m of the study site boundary at 1:10,000 scale? No

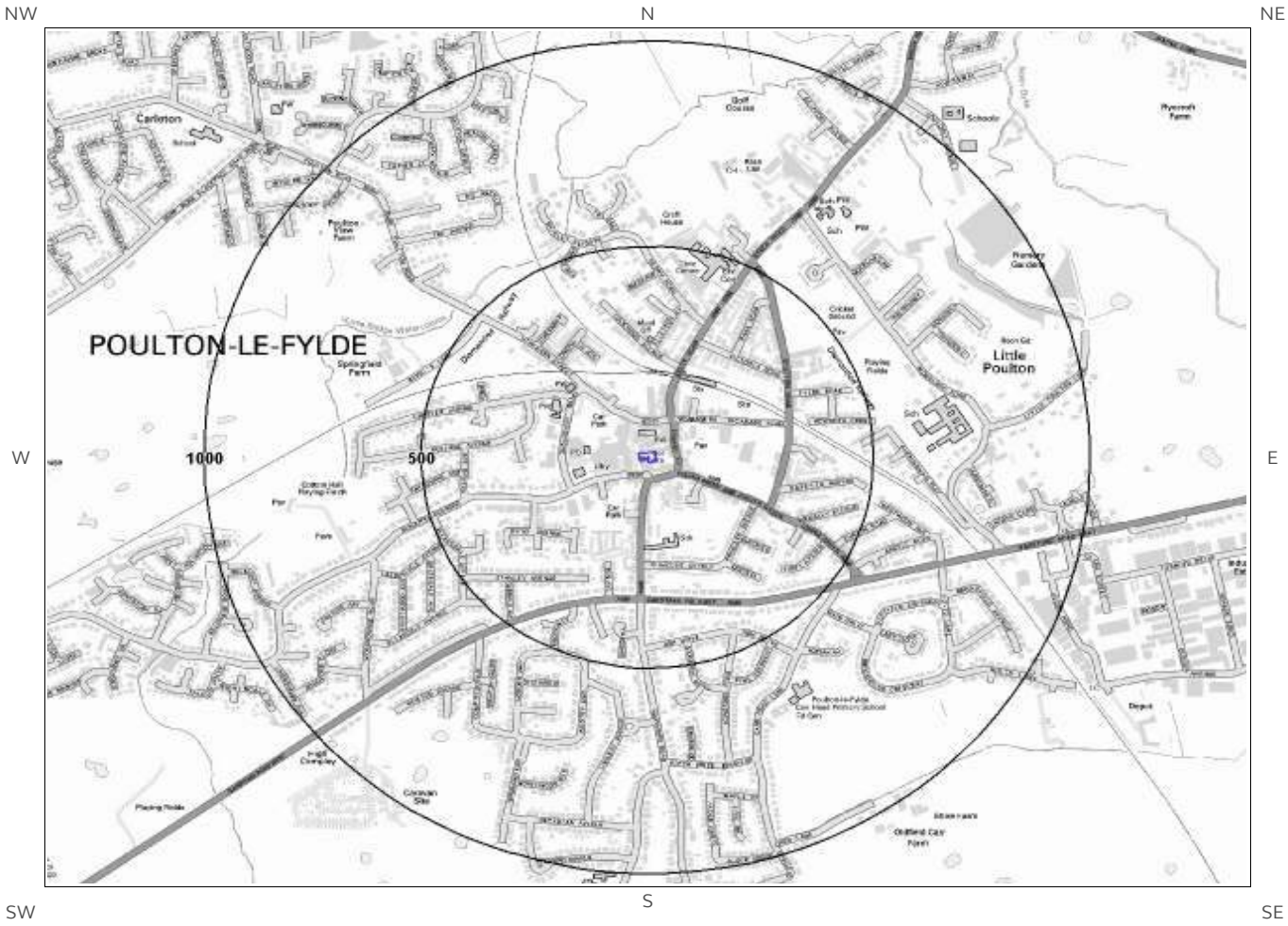
Database searched and no data found at this scale.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of great Britain at 1:10,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

2 Geology 1:50,000 Scale

2.1 Artificial Ground map



Site Outline

500
1000
Search Buffers (m)

Made Ground (undivided)

Disturbed Ground (undivided)

Worked Ground (undivided)

Landscaped Ground (undivided)

Infilled Ground

Reclaimed Ground

2. Geology 1:50,000 scale

2.1 Artificial Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No: 066

2.1.1 Artificial/ Made Ground

Are there any records of Artificial/ Made Ground within 500m of the study site boundary? No

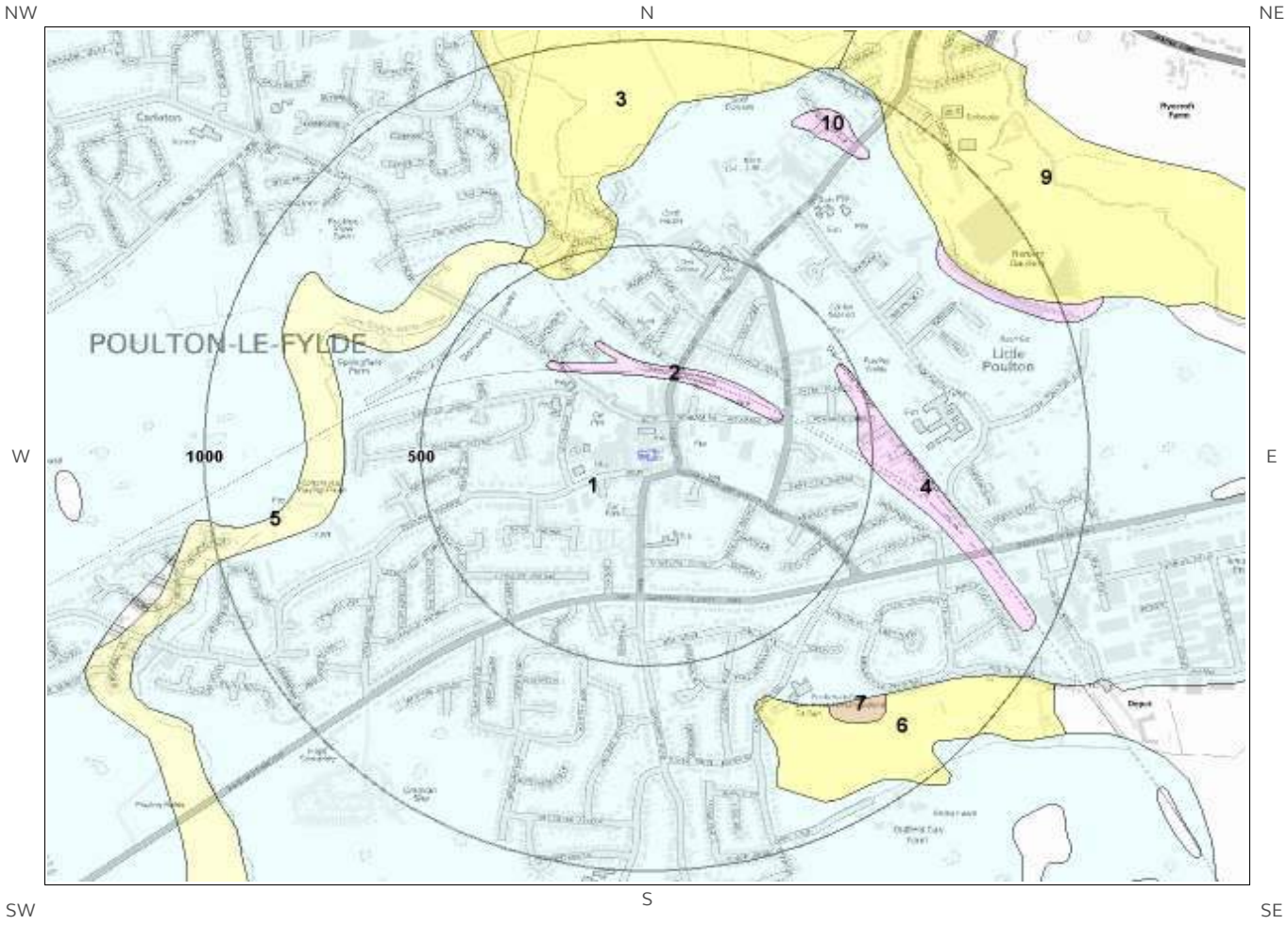
Database searched and no data found.

2.1.2 Permeability of Artificial Ground

Are there any records relating to permeability of artificial ground within the study site boundary? No

Database searched and no data found.

2.2 Superficial Deposits and Landslips map (1:50,000 scale)



Site Outline

500
1000
Search Buffers (m)

2.2 Superficial Deposits and Landslips

2.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? Yes

ID	Distance	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
2	176.0	N	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	453.0	N	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT
4	456.0	NE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

2.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	High	Low

2.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

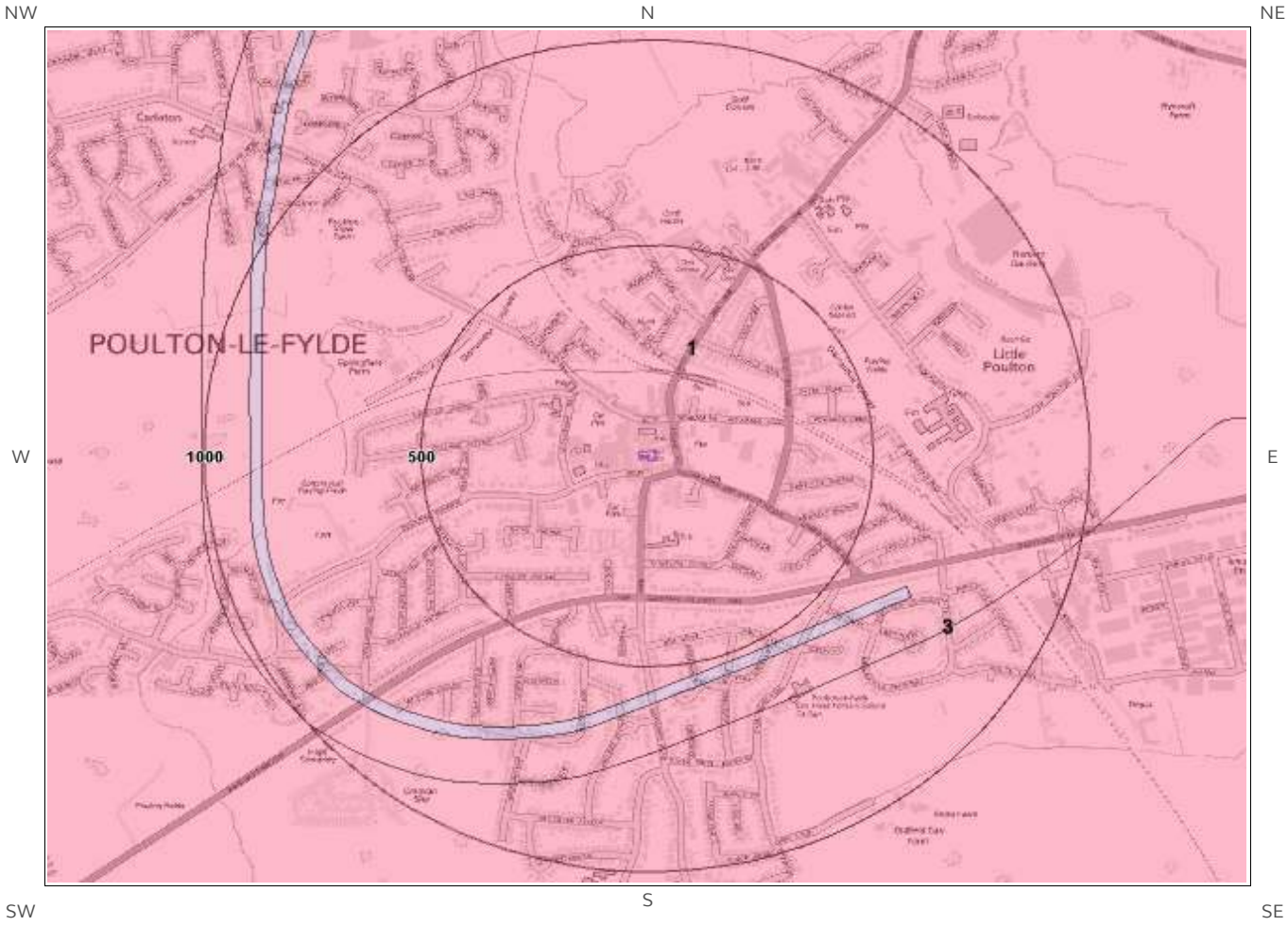
This Geology shows the main components as discrete layers, there are: Artificial/ Made Ground, Superficial/ Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

2.2.4 Landslip Permeability

Are there any records relating to permeability of landslips within the study site boundary? No

Database searched and no data found.

2.3 Bedrock and linear features map (1:50,000 scale)



Site Outline

500
1000
Search Buffers (m)

2.3 Bedrock, Solid Geology & linear features

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No: 066

2.3.1 Bedrock/Solid Geology

Records of Bedrock/Solid Geology within 500m of the study site boundary:

ID	Distance	Direction	LEX Code	Rock Description	Rock Age
1	0.0	On Site	SNM-MDST	SINGLETON MUDSTONE MEMBER - MUDSTONE	-

2.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site boundary? Yes

Distance	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Fracture	Low	Low

2.3.3 Linear features

Are there any records of linear features within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/Solid Geology and linear features such as faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nation wide coverage.

3 Radon Data

3.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

3.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

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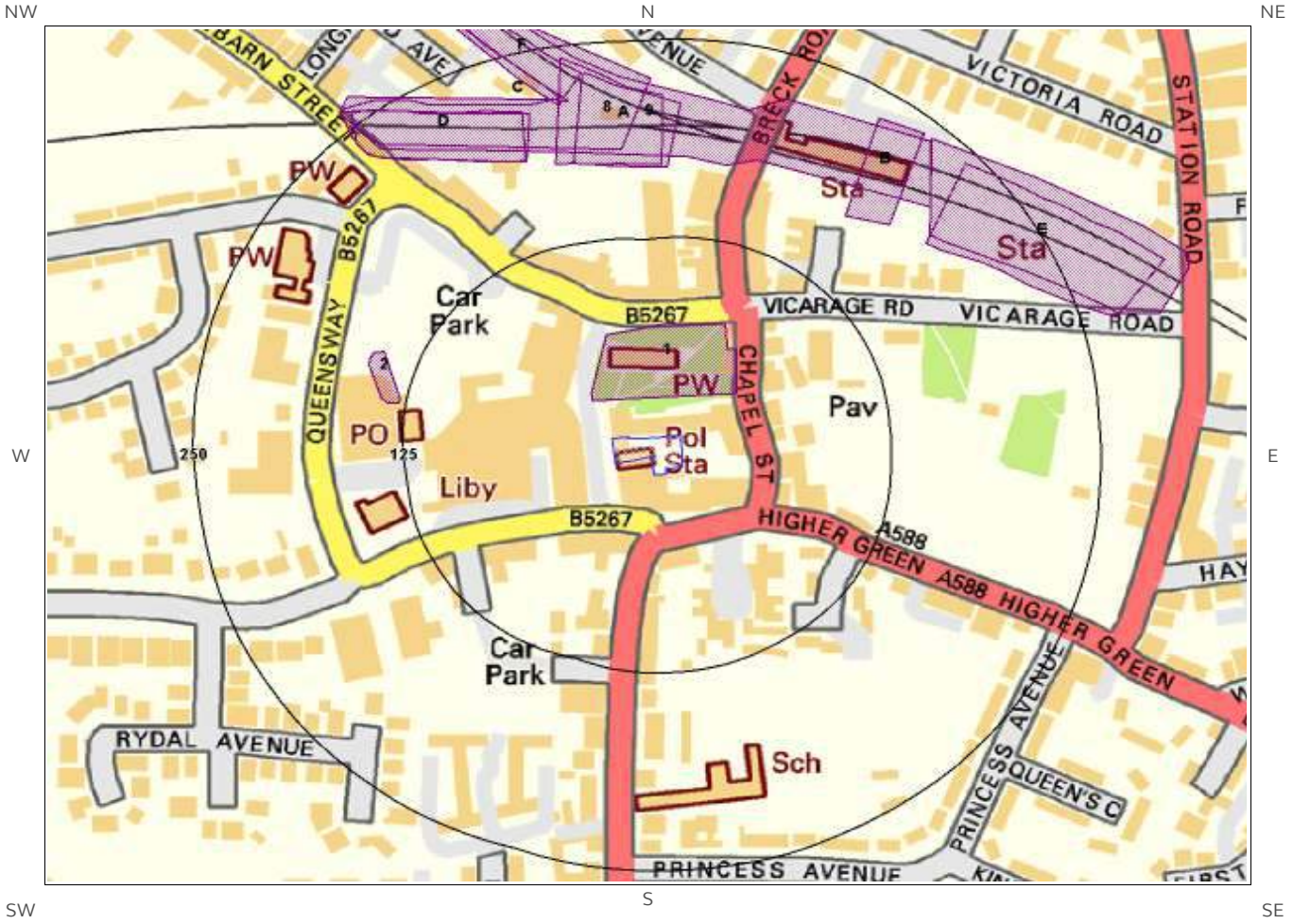
4 Ground Workings map



Ground Workings Legend

Site Outline

125
250
Search Buffers (m)

Historic Surface Ground Workings

Historic Underground Workings

Current Ground Workings

4 Ground Workings

4.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Use	Date
1	24.0	N	334864 439452	Grave Yard	1846
2	129.0	W	334674 439443	Pond	1951
3A	170.0	N	334818 439604	Cuttings	1930
4A	170.0	N	334818 439604	Cuttings	1910
5B	170.0	NE	334973 439572	Cuttings	1992
6B	170.0	NE	334973 439572	Cuttings	1985
7B	170.0	NE	334973 439572	Cuttings	1971
8	171.0	N	334808 439609	Cuttings	1938
9	173.0	N	334769 439639	Cuttings	1951
10C	181.0	N	334766 439639	Cuttings	1985
11C	181.0	N	334766 439639	Cuttings	1992
12C	181.0	N	334766 439639	Cuttings	1971
13D	182.0	N	334707 439594	Cuttings	1910
14D	182.0	N	334707 439594	Cuttings	1930
15D	183.0	N	334703 439594	Cuttings	1938
16E	190.0	NE	335072 439528	Cuttings	1910
17E	196.0	NE	335077 439538	Cuttings	1992
18E	196.0	NE	335077 439538	Cuttings	1969
19F	213.0	N	334740 439656	Cuttings	1910
20F	213.0	N	334740 439656	Cuttings	1930

4.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? No

Database searched and no data found.

4.3 Current Ground Workings

This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

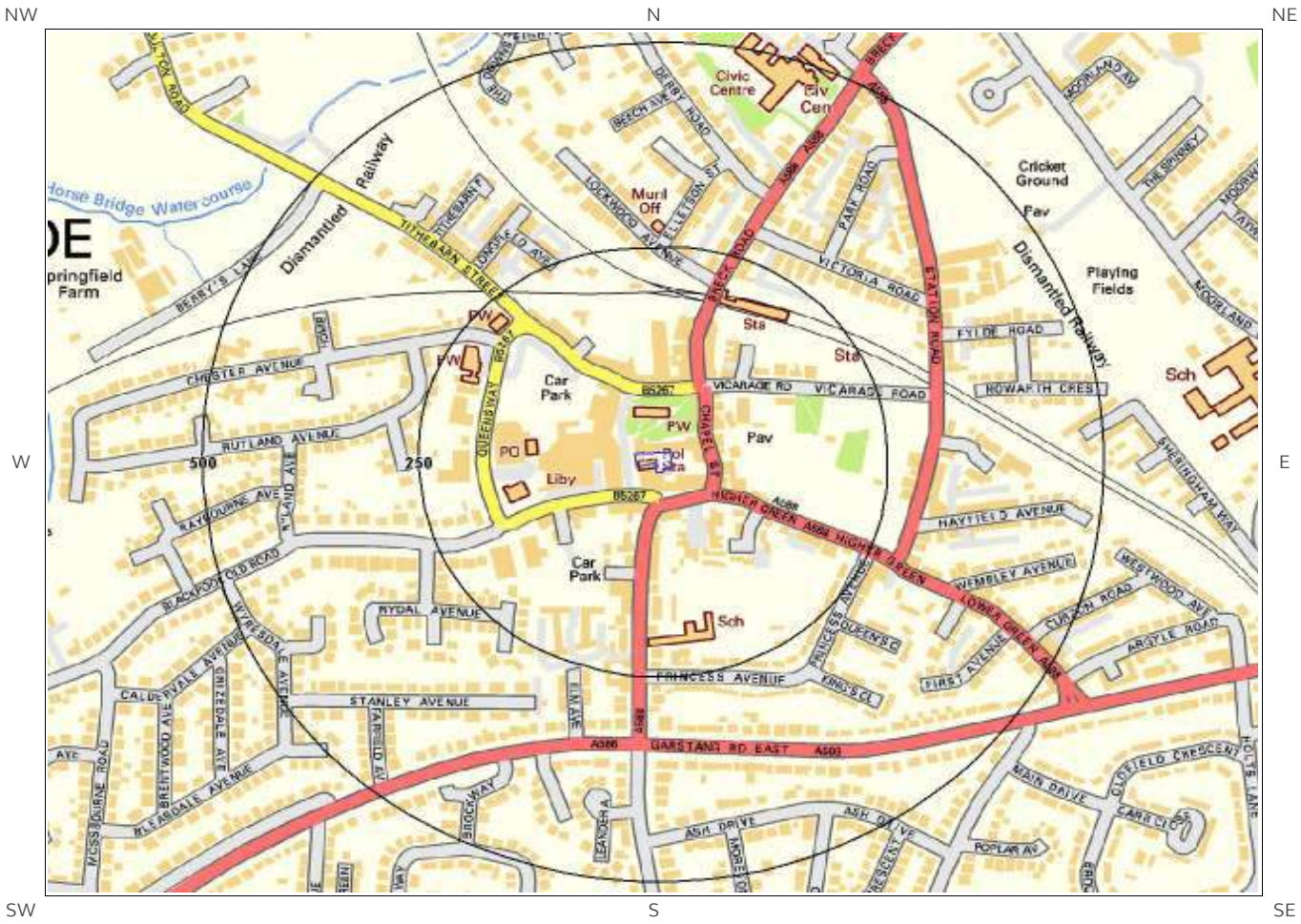
Are there any BGS Current Ground Workings within 1000m of the study site boundary? Yes

The following Current Ground Workings information is provided by British Geological Survey:

ID	Distance (m)	Direction	NGR	Commodity Produced	Pit Name	Type of working	Status
Not shown	401.0	E	335248 439457	Clay & Shale	Poulton Le Fylde Brick Works	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	793.0	NE	335527 439818	Clay & Shale	The Breck Clay Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased

---

5 Mining, Extraction & Natural Cavities map



Mining, Extraction and Natural Cavities Legend

- Site Outline
- Search Buffers (m) — 250 — 500
- Historical Mining
- Non-Coal Mining Cavities
- Natural Cavities (point data)
- Natural Cavities (polygon data)

Non-Coal Mining
- Highly likely
- Likely
- Unlikely
- Highly unlikely
- Rare

5 Mining, Extraction & Natural Cavities

5.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

5.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled "Review of mining instability in Great Britain, 1990" PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

5.6 Natural Cavities

This dataset provides information based on the Peter Brett Associates natural cavities database. The dataset is made up of points and polygons. Where polygons are used these represent an area in which it is expected the cavities could be found. It does not indicate that cavities are present everywhere within the polygon, and caution should be used in the interpretation of this data.

Are there any Natural Cavities within 1000m of the study site boundary? No

Database searched and no data found.

5.7 Brine Extraction

This data provides information from the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.9 Cornwall and Devon Metalliferous Mining

This dataset provides information on metalliferous mining areas in Cornwall/Devon and is derived from records held by Mining Searches UK.

Are there any Cornwall and Devon Metalliferous Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.10 Clay Mining

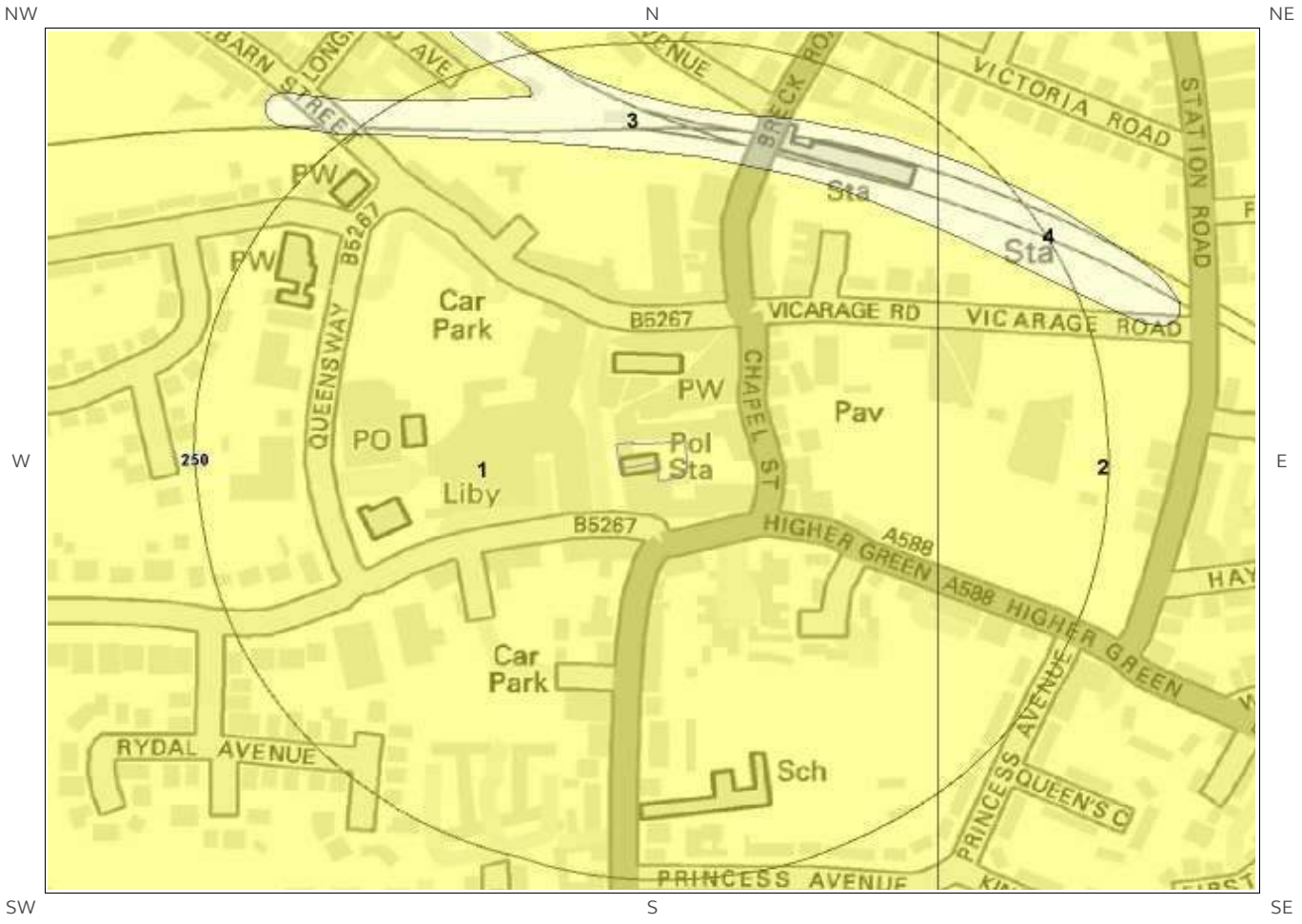
This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

Are there any Clay Mining areas within 1000m of the study site boundary? No

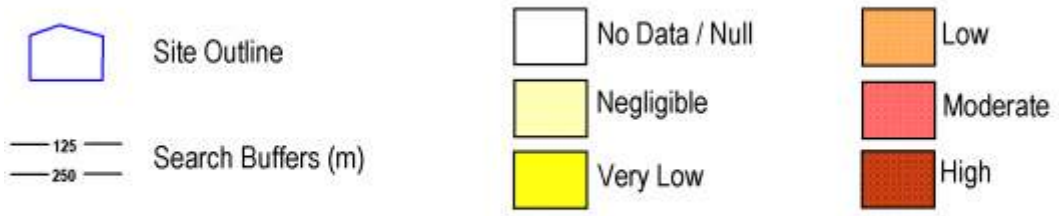
Database searched and no data found.

6 Natural Ground Subsidence

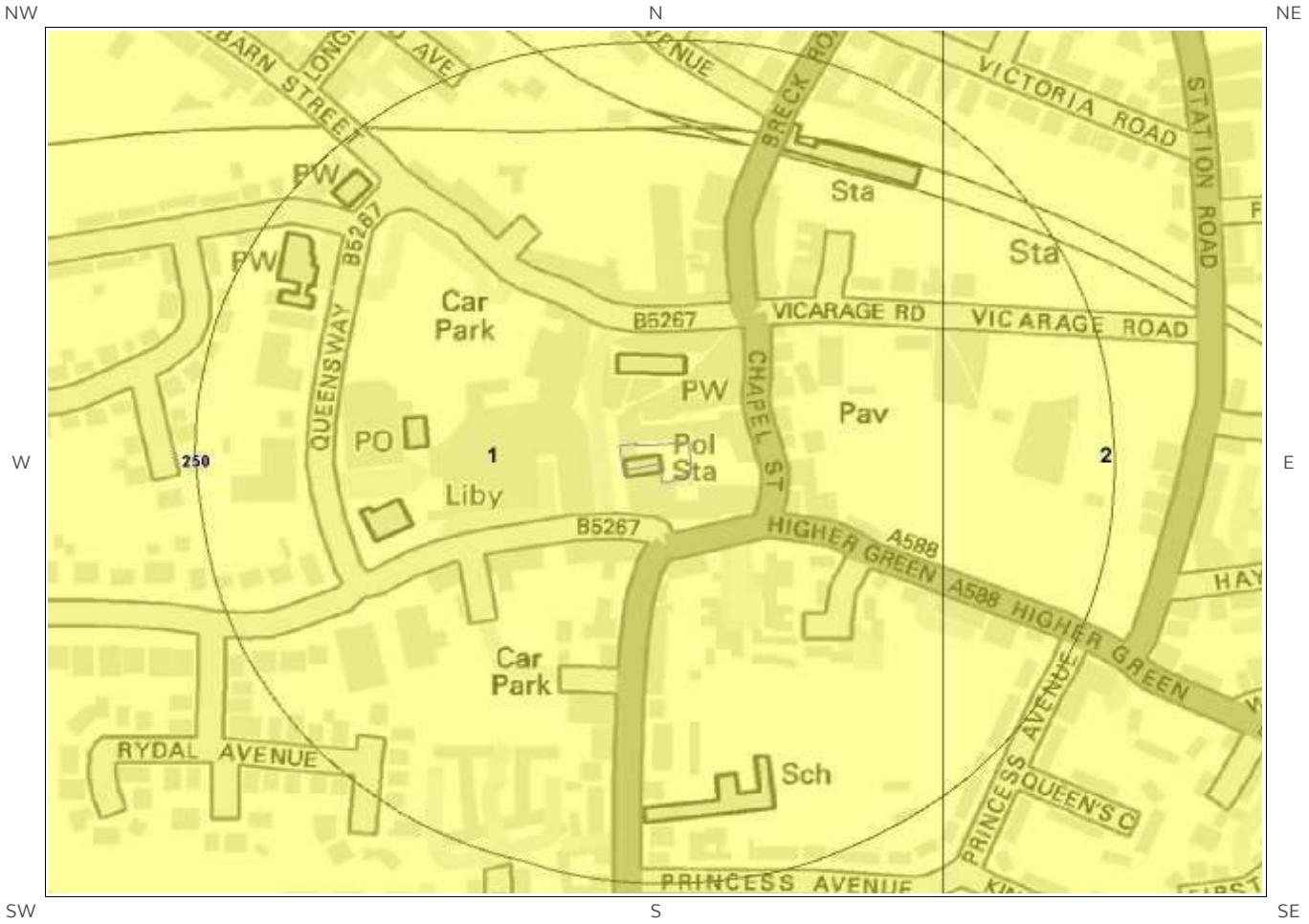
6.1 Shrink-Swell Clay map



Shrink Swell Clay Legend



6.2 Landslides map



Landslides Legend

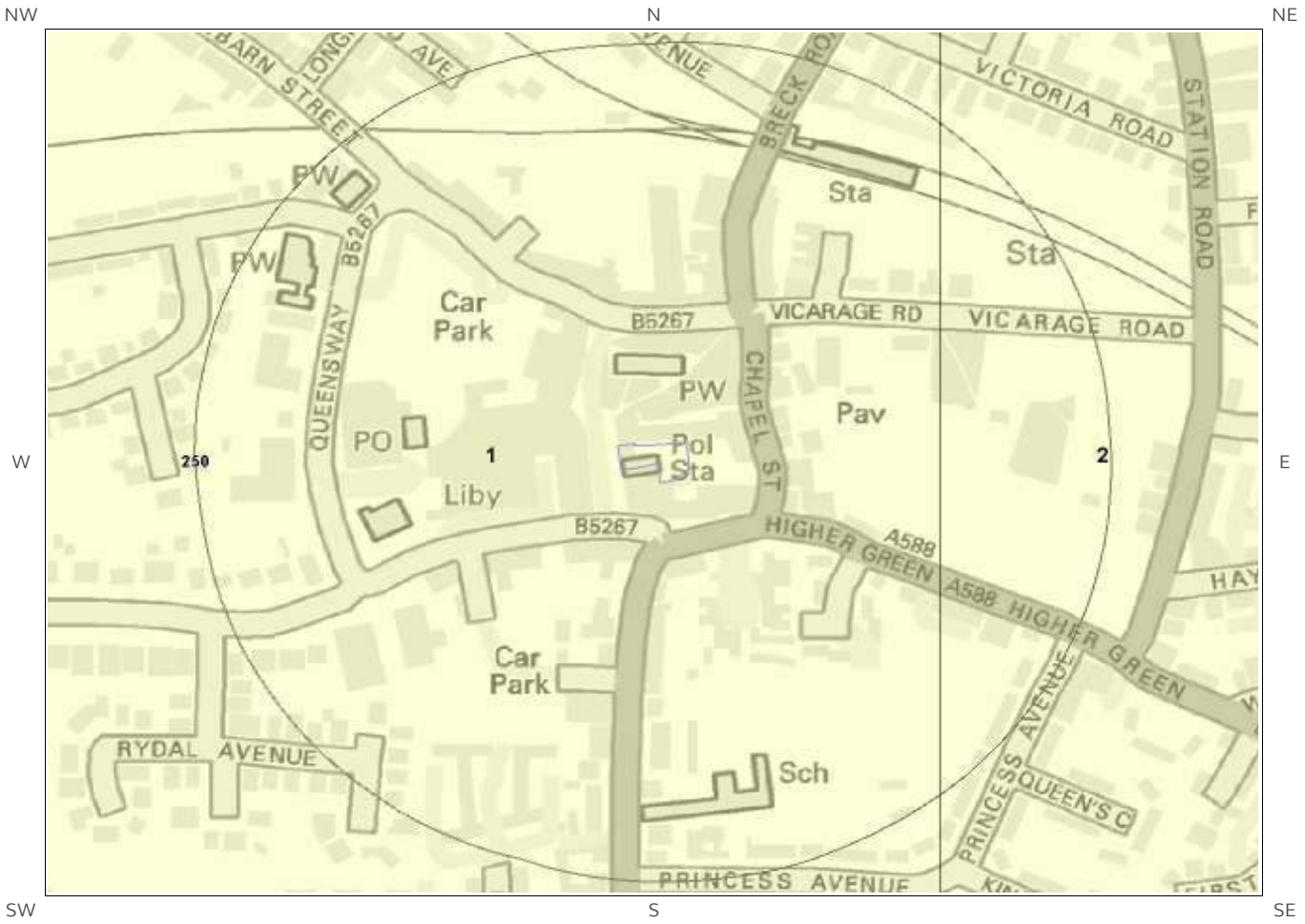
Site Outline

125
250
Search Buffers (m)

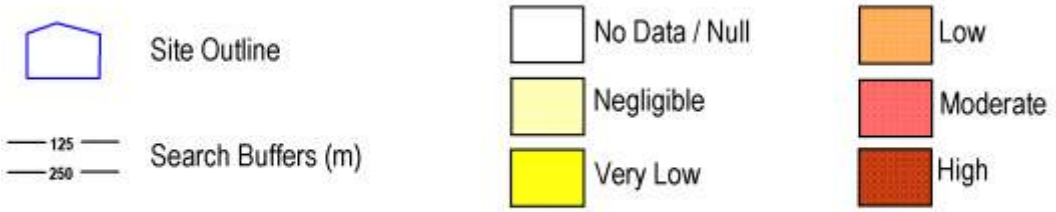
No Data / Null
Negligible
Very Low

Low
Moderate
High

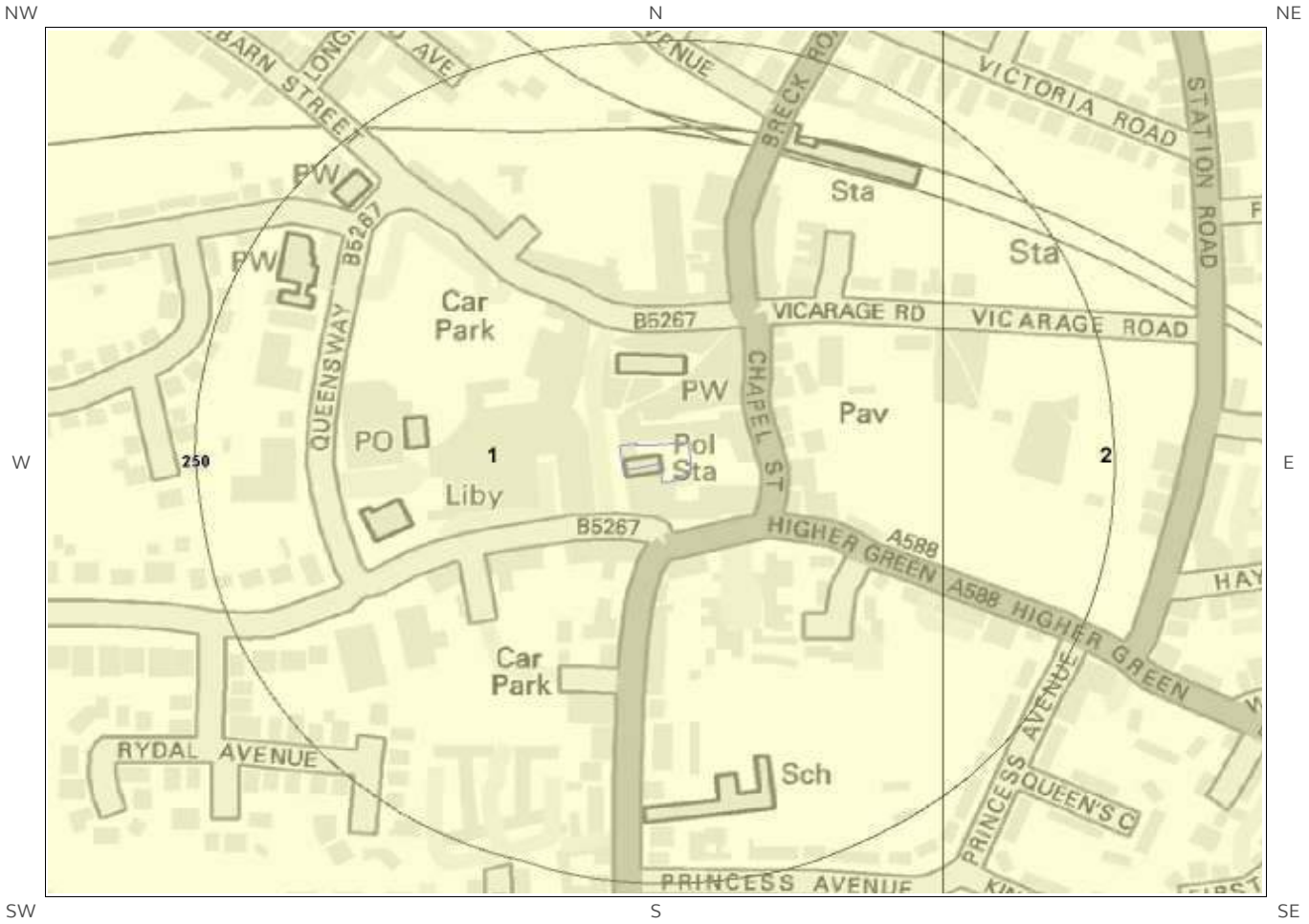
6.3 Ground Dissolution of Soluble Rocks map



Ground Dissolution
Soluble Rocks Legend



6.4 Compressible Deposits map



Compressible Deposits Legend

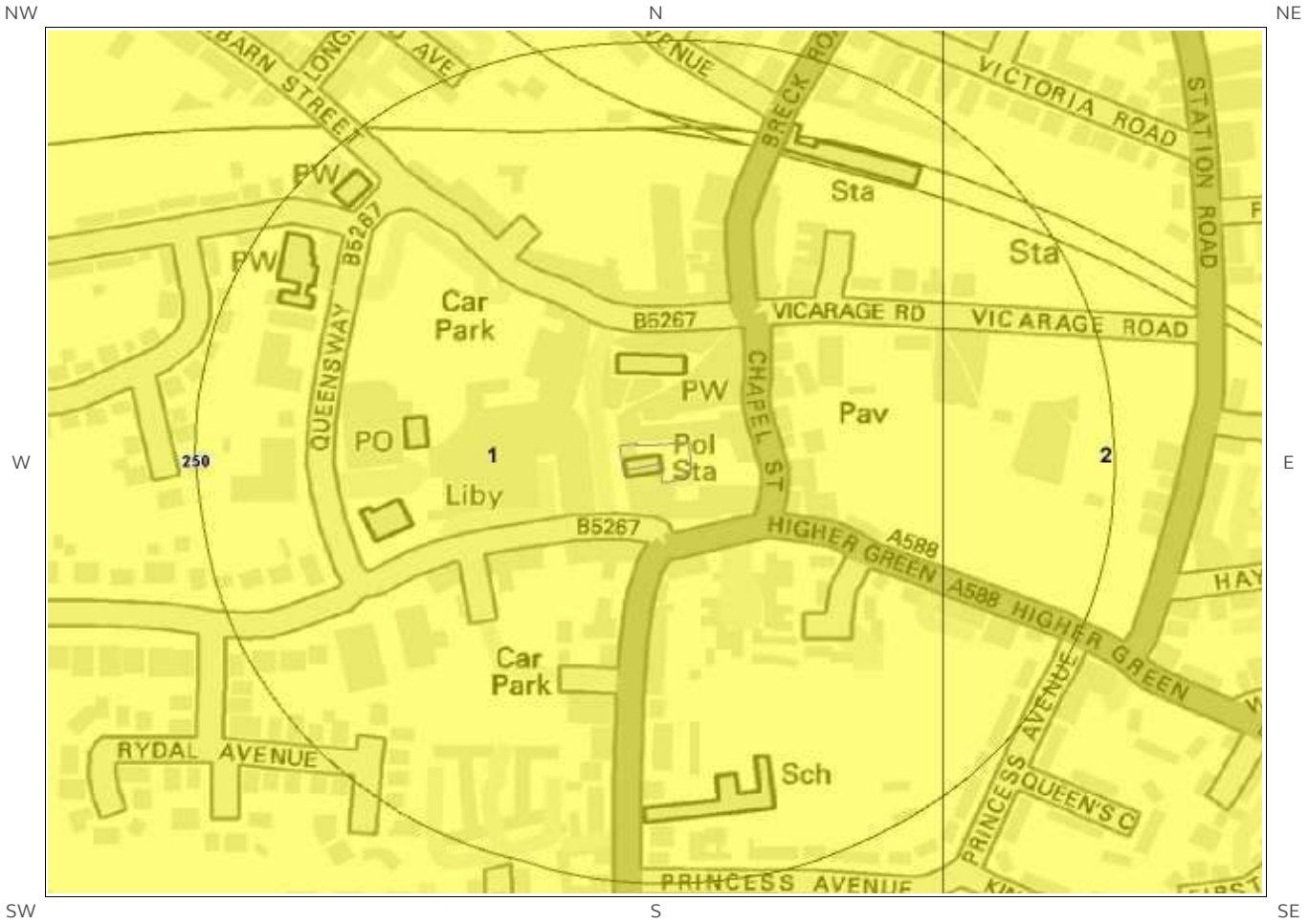
Site Outline

125
250
Search Buffers (m)

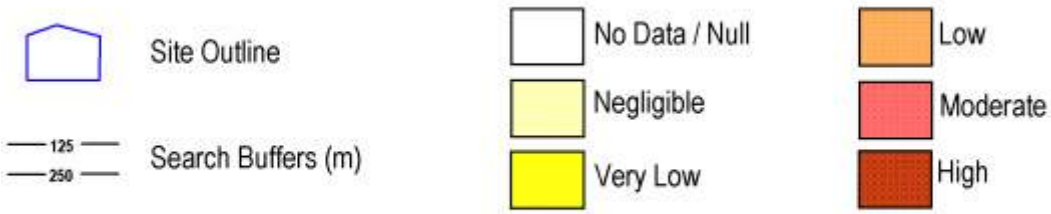
No Data / Null
Negligible
Very Low

Low
Moderate
High

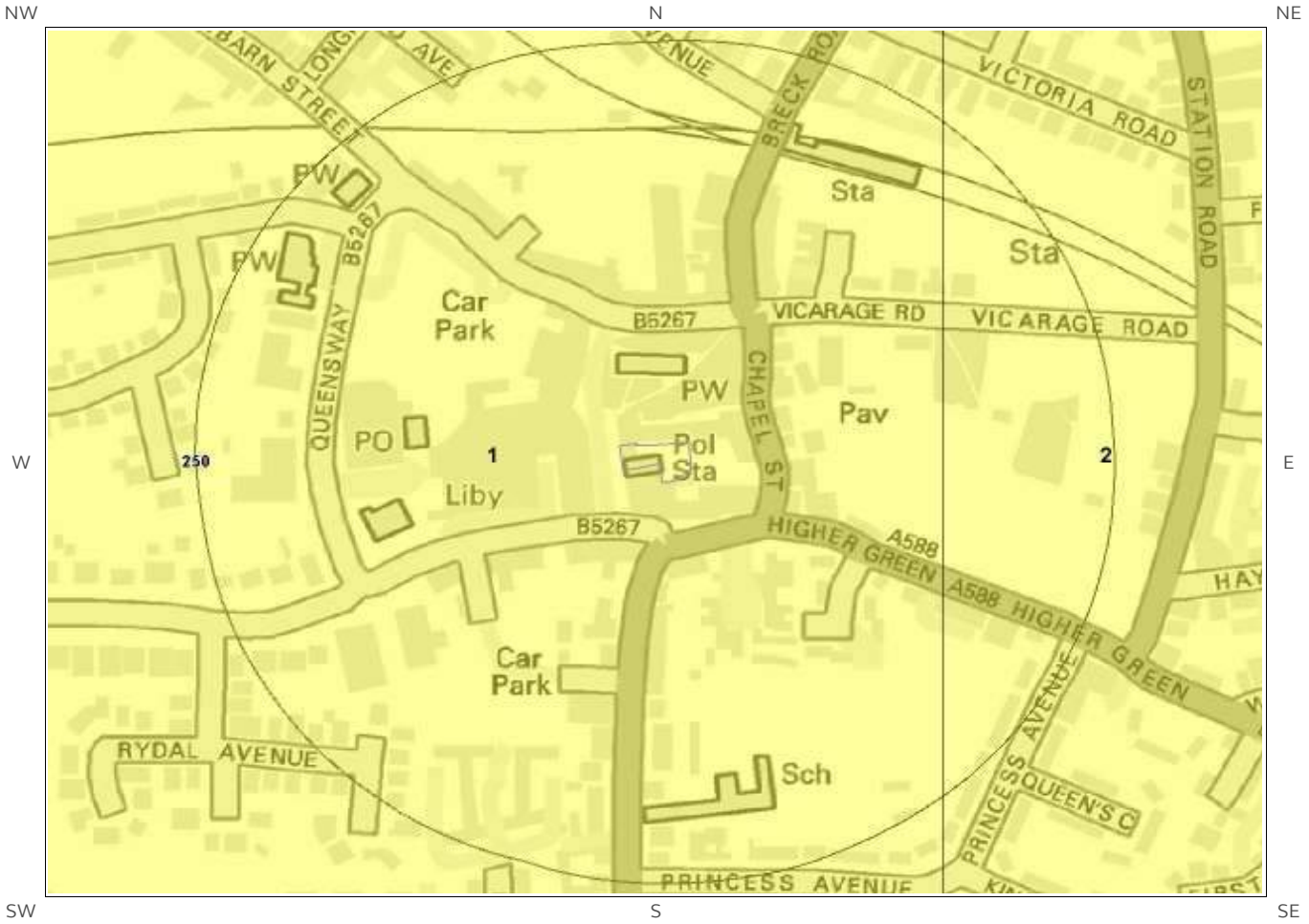
6.5 Collapsible Deposits map



Collapsible Deposits Legend



6.6 Running Sand map



Running Sand Legend

Site Outline

125
250
Search Buffers (m)

No Data / Null

Negligible

Very Low

Low

Moderate

High

6 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site*[*] boundary? Very Low

6.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

6.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This includes an automatically generated 50m buffer zone around the site

6.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

6.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

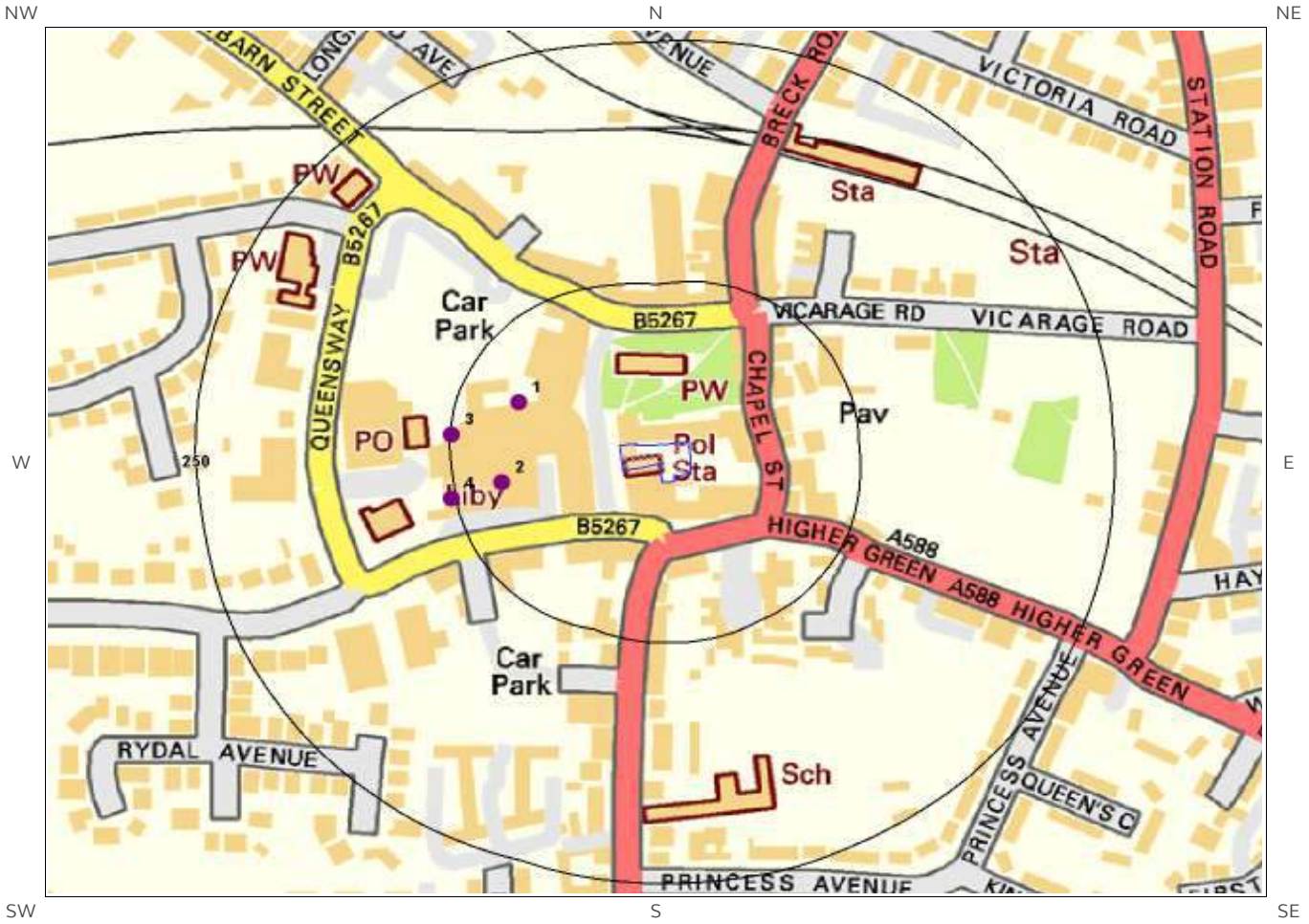
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

6.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

7 Borehole Records map



Borehole Records Legend

Site Outline

Borehole Locations

125
250
Search Buffers (m)

7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary: 4

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	65.0	NW	334750 439430	SD33NW80	7.47	POULTON LE FYLDE SHOPPING PRECINCT 4
2	72.0	W	334740 439380	SD33NW77	7.92	POULTON LE FYLDE SHOPPING PRECINCT 1
3	100.0	W	334710 439410	SD33NW79	7.92	POULTON LE FYLDE SHOPPING PRECINCT 3
4	103.0	W	334710 439370	SD33NW78	8.38	POULTON LE FYLDE SHOPPING PRECINCT 2

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1: scans.bgs.ac.uk/sobi_scans/boreholes/1519
#2: scans.bgs.ac.uk/sobi_scans/boreholes/1516
#3: scans.bgs.ac.uk/sobi_scans/boreholes/1518
#4: scans.bgs.ac.uk/sobi_scans/boreholes/1517

8 Estimated Background Soil Chemistry

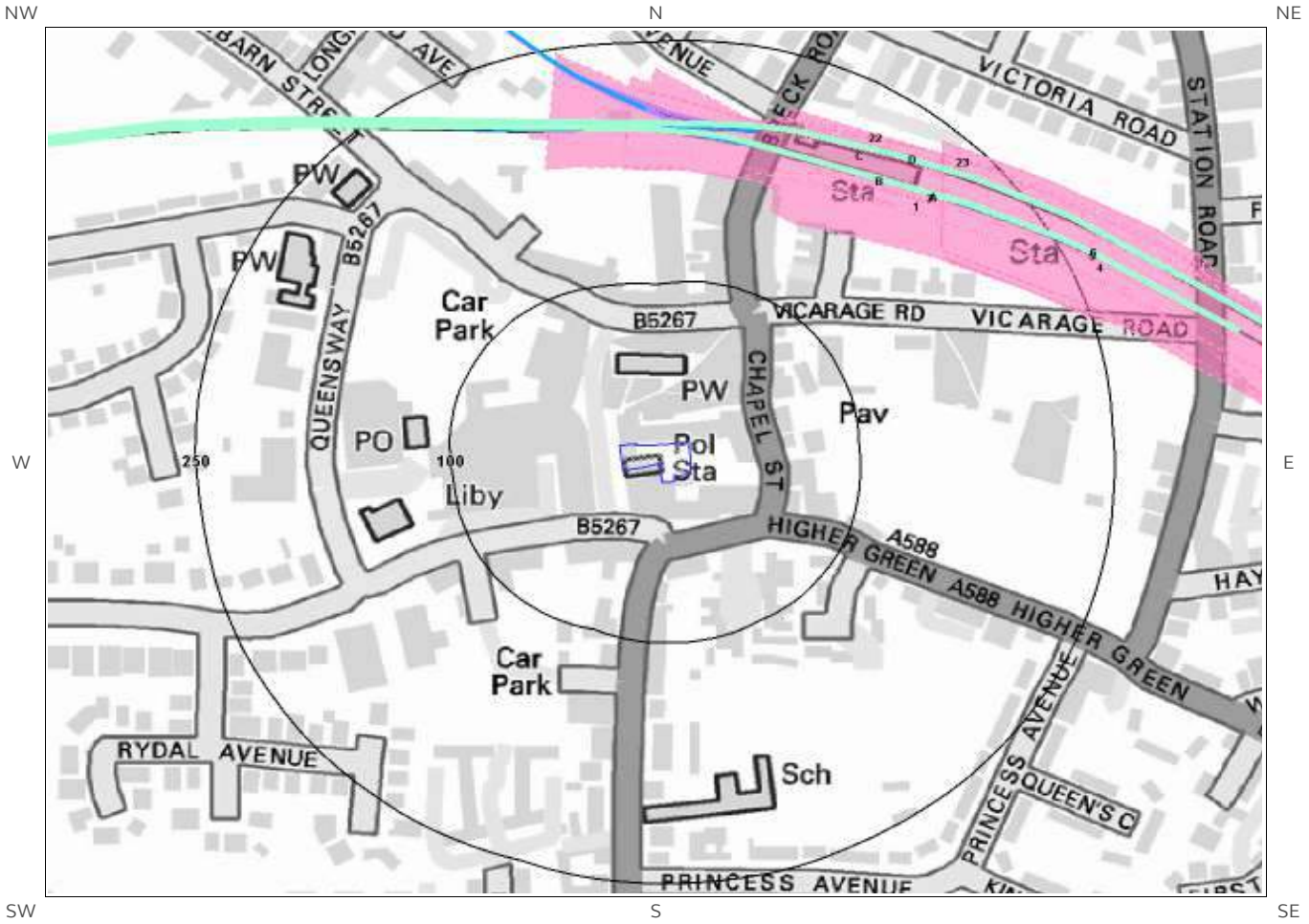
Records of background estimated soil chemistry within 250m of the study site boundary: 1

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

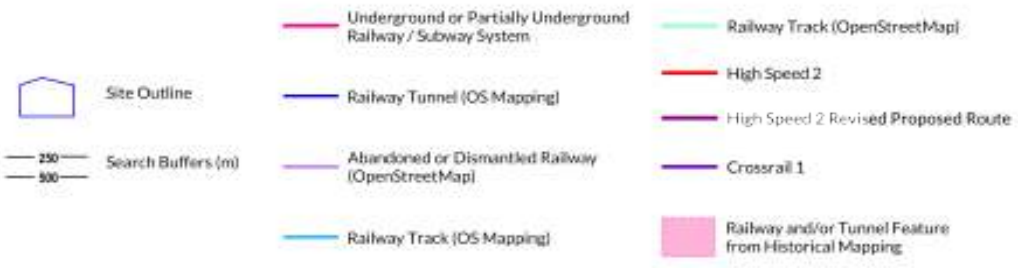
Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	RuSoilExAs	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	<15 mg/kg	<100 mg/kg

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

9 Railways and Tunnels map



Railways and Tunnels Legend



9 Railways and Tunnels

9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
1	150	NE	335383 439361	Railway Sidings	1938
2A	166	N	335403 439358	Railway Sidings	1930
3A	166	N	335403 439358	Railway Sidings	1910
7	174	N	335195 439482	Railway Sidings	1960
8	177	NE	335265 439621	Disused Railway Sidings	1912
9	177	NE	335265 439621	Disused Railway Sidings	1932

ID	Distance (m)	Direction	NGR	Details	Date
10B	184	NE	334963 439565	Railway Sidings	1996
11B	184	NE	334964 439565	Railway Sidings	1960
12B	186	NE	334963 439566	Railway Sidings	1985
13B	186	NE	334963 439566	Railway Sidings	1992
14B	186	NE	334963 439566	Railway Sidings	1988
15B	186	NE	334963 439566	Railway Sidings	1981
4	188	NE	335307 439576	Railway Sidings	1951
5	190	NE	335316 439374	Railway Sidings	1992
16C	190	N	334951 439583	Railway Sidings	1981
17C	190	N	334951 439583	Railway Sidings	1992
18C	190	N	334951 439583	Railway Sidings	1988
19C	190	N	334951 439583	Railway Sidings	1985
6	191	NE	335308 439376	Railway Sidings	1969
20D	202	N	334979 439577	Disused Railway Sidings	1912
21D	202	N	334979 439577	Disused Railway Sidings	1932
22	208	N	334959 439591	Railway Sidings	1960
23	229	NE	335012 439577	Railway Sidings	1960

Any records that have been identified are represented on the Railways and Tunnels map.

9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Status
188	N	Razed
199	N	Razed
199	N	Abandoned
233	N	Razed
233	N	Disused

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
188	N	Not given	Multi Track
188	N	Not given	Multi Track
189	N	Not given	rail
189	N	Not given	Multi Track
189	N	Not given	Multi Track
189	N	Not given	rail
190	N	Not given	rail
190	N	Not given	rail
196	N	Not given	rail
196	N	Not given	Multi Track
196	N	Not given	Multi Track
196	N	Not given	rail
197	N	Not given	Multi Track
197	N	Not given	Multi Track
198	N	Not given	rail
198	N	Not given	rail
204	N	Not given	rail
204	N	Not given	rail
209	N	Not given	Multi Track
209	N	Not given	Multi Track

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

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Web:**www.bgs.ac.uk**
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ENVIROINSIGHT REPORT

Enviro Insight

Address:	**Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS**
Date:	**23 Oct 2019**
Reference:	**CMAPS-CM-836398-4199-231019EDR**
Client:	**CENTREMAPS**

NW N NE

W E

SW S SE

Aerial Photograph Capture date:	08-Apr-2017
Grid Reference:	334831,439393
Site Size:	0.0709ha

Report Reference: CMAPS-CM-836398-4199-231019EDR
Client Reference: 4199

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Overview of Findings

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Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	3	2	41	80
1.2 Additional Information – Historical Tank Database	0	0	14	9
1.3 Additional Information – Historical Energy Features Database	0	6	11	16
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	10	5
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	1	19	44

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	1	0	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	0
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	1	0	4
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	11

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	3	12	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	Identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site	Identified
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site	Identified

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	1
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	0	0	0	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	No	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	0	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Enviroment Agency Zone 2 floodplains within 250m of the study site	None identified
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low
7.4 Flood Defences within 250m of the study site	None identified
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified
7.6 Areas used for Flood Storage within 250m of the study site	None identified
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Potential below Surface
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	High

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	1
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	1
8.5 Records of Ramsar sites	0	0	0	0	0	1
8.6 Records of Ancient Woodlands	0	0	0	0	0	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	1	4	7

Section 9: Natural Hazards

9.1 Maximum risk of natural ground subsidence	Very Low
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Very Low
9.1.2 Maximum Landslides hazard rating identified on the study site	Very Low
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	Negligible
9.1.4 Maximum Compressible Ground hazard rating identified on the study site	Negligible
9.1.5 Maximum Collapsible Rocks hazard rating identified on the study site	Very Low
9.1.6 Maximum Running Sand hazard rating identified on the study site	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining

10.1 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	None identified
10.3 Brine affected areas within 75m of the study site	None identified

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licences, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier “A” on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as “Not Shown”.

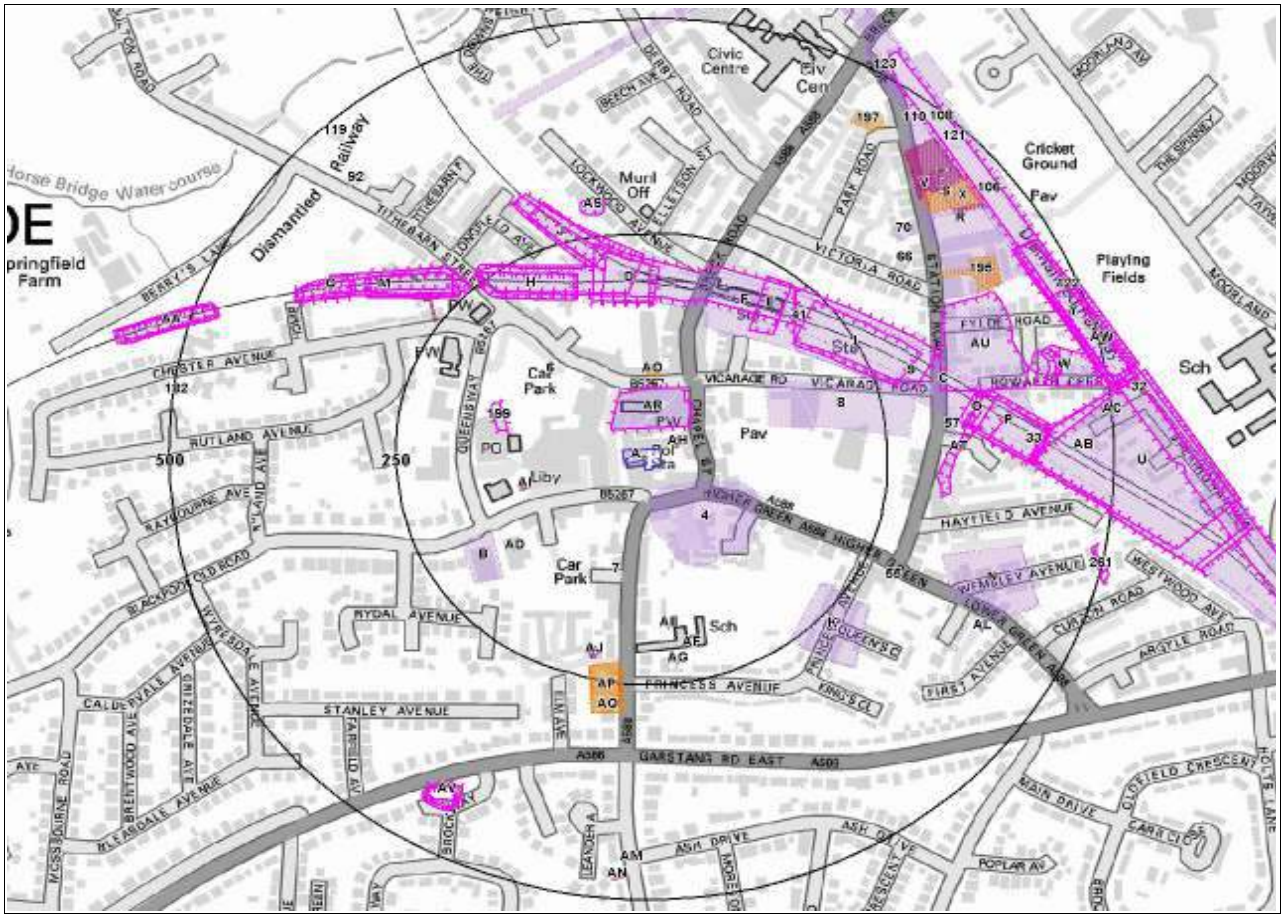
All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use

NW N NE

W E

SW S SE



Site Outline

250
500
Search Buffers (m)

Historical 1:10,000 and 1:10,560 scale mapping

Industrial Land Use

Potentially Infilled Land

Historical 1:2,500, 1:1,250 and 1:500 scale mapping

Energy Features

Petrol Stations

Historical military sites

Tanks

Garages

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 126

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Police Station	1971
2A	0	On Site	Police Station	1992
3A	0	On Site	Police Station	1985
4	24	SE	Brewery	1891
5AR	24	N	Grave Yard	1846
6	119	NW	Unspecified Pump	1846
7	122	S	Unspecified Pump	1846
8	122	E	Church Yard	1846
9	150	NE	Railway Sidings	1938
10B	166	SW	Telephone Exchange	1971
11B	166	SW	Telephone Exchange	1985
12B	166	SW	Telephone Exchange	1992
13C	166	N	Railway Sidings	1930
14C	166	N	Railway Sidings	1910
15D	170	N	Cuttings	1930
16D	170	N	Cuttings	1910
17E	170	NE	Cuttings	1971
18E	170	NE	Cuttings	1985
19E	170	NE	Cuttings	1992
20D	171	N	Cuttings	1938
21D	173	N	Cuttings	1951
22F	179	N	Railway Station	1938
23F	181	N	Railway Station	1910
24F	181	N	Railway Station	1930
25G	181	N	Cuttings	1992
26G	181	N	Cuttings	1985
27G	181	N	Cuttings	1971
28H	182	N	Cuttings	1910
29H	182	N	Cuttings	1930
30H	183	N	Cuttings	1938
31F	186	N	Railway Station	1951
32	188	NE	Railway Sidings	1951
33	190	NE	Railway Sidings	1992
34I	190	NE	Cuttings	1910

35AB	191	NE	Railway Sidings	1969
36F	192	N	Railway Station	1985
37F	192	N	Railway Station	1992
38F	192	N	Railway Station	1971
39I	196	NE	Cuttings	1992
40I	196	NE	Cuttings	1969
41	212	NE	Railway Building	1951
42J	213	N	Cuttings	1910
43J	213	N	Cuttings	1930
44K	223	SE	Nursery	1938
45K	225	SE	Nursery	1930
46K	225	SE	Nursery	1910
47L	253	NW	Cuttings	1951
48L	254	NW	Cuttings	1930
49M	255	NW	Cuttings	1910
50L	258	NW	Cuttings	1938
51M	258	NW	Cuttings	1985
52M	258	NW	Cuttings	1992
53M	258	NW	Cuttings	1971
54AS	275	N	Unspecified Pit	1891
55	285	SE	Unspecified Pump	1846
56AT	305	E	Unspecified Ground Workings	1891
57	316	E	Railway Station	1992
58AU	317	E	Brick Works	1891
59N	327	E	Sawmill	1930
60N	327	E	Sawmill	1938
61O	331	E	Cuttings	1910
62O	331	E	Cuttings	1930
63P	338	E	Cuttings	1969
64P	338	E	Cuttings	1992
65P	339	E	Cuttings	1938
66	340	NE	Smithy	1891
67Q	346	NW	Cuttings	1951
68Q	348	NW	Cuttings	1938
69Q	348	NW	Cuttings	1930
70	355	NE	Smithy	1910
71R	359	NE	Unspecified Works	1969
72R	359	NE	Unspecified Works	1992
73P	362	E	Cuttings	1910
74P	362	E	Cuttings	1930
75S	382	NE	Unspecified Commercial/Industrial	1938
76S	396	NE	Smithy	1910
77S	397	NE	Unspecified Commercial/Industrial	1930
78T	400	NE	Unspecified	1951

			Commercial/Industrial	
79T	407	NE	Gas Works	1910
80U	407	E	Cuttings	1969
81T	407	NE	Gas Works	1891
82	408	N	Railway Sidings	1910
83U	410	E	Cuttings	1910
84U	410	E	Cuttings	1930
85U	412	E	Cuttings	1938
86V	415	NE	Gasometer	1910
87V	415	NE	Unspecified Tank	1930
88V	416	NE	Unspecified Tank	1938
89V	416	NE	Gasometer	1891
90S	418	NE	Unspecified Tank	1951
91W	419	E	Unspecified Pit	1891
92	425	NW	Railway Building	1891
93W	431	E	Refuse Heap	1938
94T	431	NE	Unspecified Tank	1938
95T	432	NE	Unspecified Tank	1930
96T	432	NE	Gasometer	1910
97X	432	NE	Unspecified Tank	1938
98T	434	NE	Unspecified Tank	1951
99X	435	NE	Unspecified Tank	1930
100X	435	NE	Unspecified Tank	1951
101W	441	E	Refuse Heap	1951
102AM	451	S	Pipe	1846
103Y	452	NE	Cuttings	1930
104Y	452	NE	Cuttings	1910
105Y	452	NE	Cuttings	1938
106	455	NE	Railway Sidings	1891
107Y	455	NE	Cuttings	1951
108	457	NE	Railway Sidings	1969
109AW	459	NE	Cuttings	1846
110	466	NE	Railway Building	1891
111Z	466	NE	Cuttings	1992
112Z	466	NE	Cuttings	1969
113AA	471	W	Cuttings	1938
114AA	471	W	Cuttings	1930
115AA	471	W	Cuttings	1910
116AB	472	E	Railway Building	1938
117AB	473	E	Railway Building	1910
118AB	473	E	Railway Building	1930
119	474	NW	Railway Buildings	1951
120AA	475	W	Cuttings	1951
121	478	NE	Railway Building	1891
122	485	NE	Railway Building	1891
123	493	NE	Railway Building	1969

124AC	494	E	Railway Building	1938
125AC	495	E	Railway Building	1910
126AC	495	E	Railway Building	1930

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary: 23

ID	Distance (m)	Direction	Use	Date
127AD	155	SW	Unspecified Tank	1891
128AD	155	SW	Unspecified Tank	1912
129AD	155	SW	Unspecified Tank	1932
130AE	180	S	Unspecified Tank	1987
131AE	181	S	Unspecified Tank	1988
132AE	183	S	Unspecified Tank	1993
133F	187	NE	Unspecified Tank	1960
134F	188	NE	Unspecified Tank	1960
135AF	208	S	Unspecified Tank	1987
136AF	208	S	Unspecified Tank	1988
137AF	208	S	Unspecified Tank	1993
138AG	223	S	Unspecified Tank	1987
139AG	223	S	Unspecified Tank	1988
140AG	224	S	Unspecified Tank	1993
141T	407	NE	Gas Works	1912
142T	407	NE	Gas Works	1891
143S	417	NE	Unspecified Tank	1937
144S	418	NE	Gasometer	1912
145S	418	NE	Gasometer	1891
146T	418	NE	Tanks	1932
147T	434	NE	Gasometer	1912
148S	434	NE	Unspecified Tank	1937
149S	434	NE	Unspecified Tank	1932

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary: 33

ID	Distance (m)	Direction	Use	Date
150AH	16	E	Electricity Substation	1993
151AH	16	E	Electricity Substation	1977
152AH	17	E	Electricity Substation	1967
153AH	17	E	Electricity Substation	1987
154AH	18	E	Electricity Substation	1988
155AH	18	E	Electricity Substation	1983
156AI	111	W	Electricity Substation	1988
157AI	111	W	Electricity Substation	1983
158AI	114	W	Electricity Substation	1993
159AI	114	W	Electricity Substation	1977
160AI	114	W	Electricity Substation	1987
161AJ	212	S	Electricity Substation	1988
162AJ	212	S	Electricity Substation	1983
163AJ	219	S	Electricity Substation	1967
164AJ	219	S	Electricity Substation	1987
165AJ	219	S	Electricity Substation	1993
166AJ	219	S	Electricity Substation	1977
167AK	254	NW	Electricity Substation	1985
168AK	254	NW	Electricity Substation	1992
169AK	254	NW	Electricity Substation	1981
170AK	254	NW	Electricity Substation	1988
171AK	275	NW	Electricity Substation	1996
172AL	398	SE	Electricity Substation	1993
173AL	399	SE	Electricity Substation	1981
174T	407	NE	Gas Works	1912
175T	407	NE	Gas Works	1891
176T	418	NE	Gasometer	1912
177T	418	NE	Gasometer	1891
178T	434	NE	Gasometer	1912
179AM	462	S	Electricity Substation	1993
180AN	472	S	Electricity Substation	1986
181AN	472	S	Electricity Substation	1986
182	494	W	Electricity Substation	1993

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 15

ID	Distance (m)	Direction	Use	Date
183AO	85	N	Garage	1977
184AO	85	N	Garage	1960
185AO	85	N	Garage	1967
186AO	85	N	Garage	1960
187AP	224	S	Garage	1988
188AP	225	S	Garage	1983
189AP	228	S	Garage	1960
190AP	228	S	Garage	1960
191AP	228	S	Garage	1993
192AP	245	S	Garage	1987
193AQ	272	S	Garage	1977
194AQ	275	S	Garage	1967
195	370	NE	Car Body Repair Works	1970
196S	405	NE	Garage	1970
197	434	NE	Garage	1994

1.6 Historical military sites

Certain military installations were not noted on historic mapping for security reasons. Whilst not all military land is necessarily of concern, Groundsure has researched and digitised a number of Ordnance Factories and other military industrial features (e.g. Ordnance Depots, Munitions Testing Grounds) which may be of contaminative concern. This research was drawn from a number of different sources, and should not be regarded as a definitive or exhaustive database of potentially contaminative military installations. The boundaries of sites within this database have been estimated from the best evidence available to Groundsure at the time of compilation.

Records of historical military sites within 500m of the search boundary: 0

Database searched and no data found.

1.7 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 64

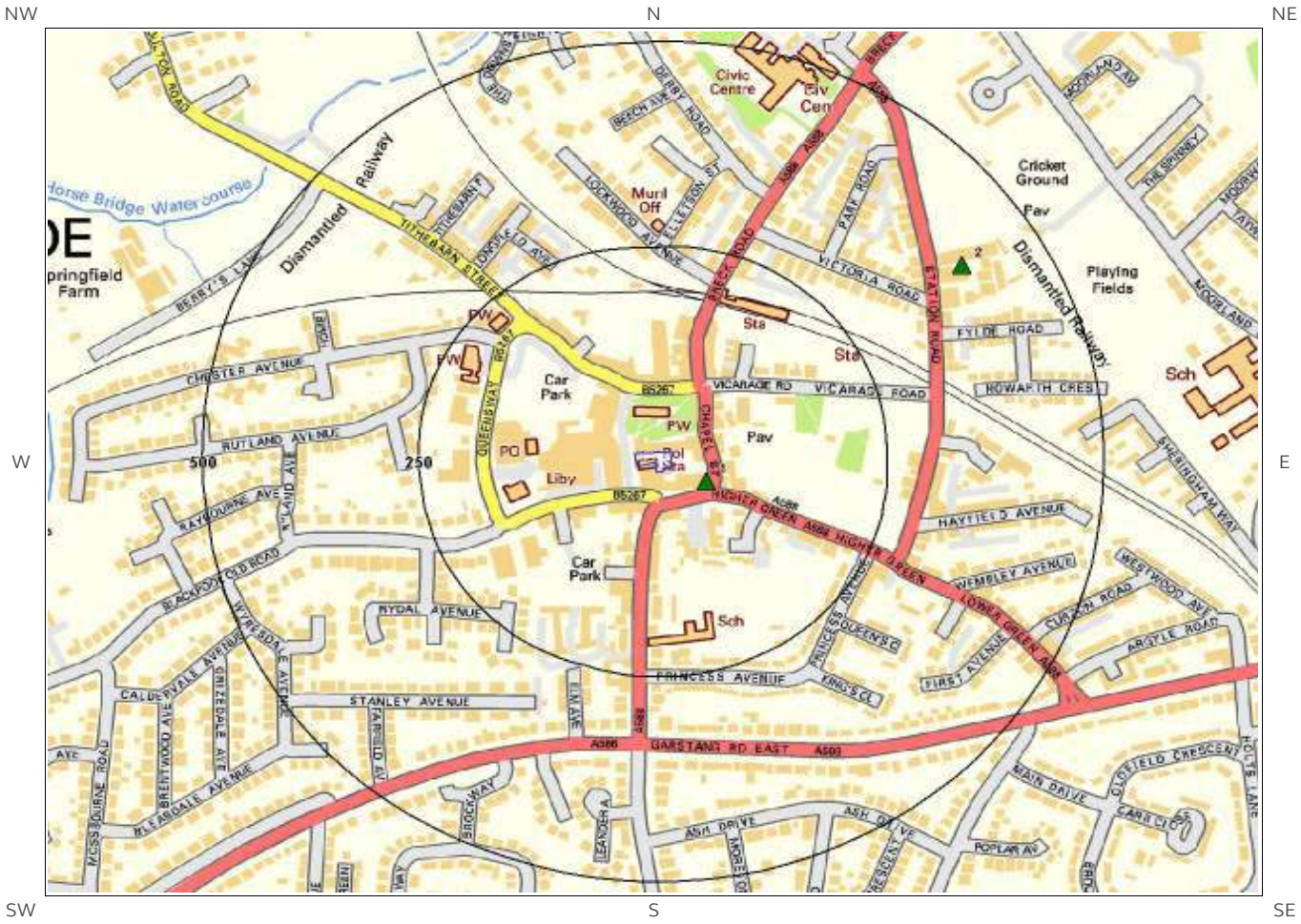
The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
198AR	24	N	Grave Yard	1846
199	129	W	Pond	1951
200D	170	N	Cuttings	1910

201D	170	N	Cuttings	1930
202E	170	NE	Cuttings	1985
203E	170	NE	Cuttings	1971
204E	170	NE	Cuttings	1992
205D	171	N	Cuttings	1938
206D	173	N	Cuttings	1951
207G	181	N	Cuttings	1985
208G	181	N	Cuttings	1971
209G	181	N	Cuttings	1992
210H	182	N	Cuttings	1930
211H	182	N	Cuttings	1910
212H	183	N	Cuttings	1938
213I	190	NE	Cuttings	1910
214I	196	NE	Cuttings	1992
215I	196	NE	Cuttings	1969
216J	213	N	Cuttings	1930
217J	213	N	Cuttings	1910
218L	253	NW	Cuttings	1951
219L	254	NW	Cuttings	1930
220M	255	NW	Cuttings	1910
221L	258	NW	Cuttings	1938
222L	258	NW	Cuttings	1985
223L	258	NW	Cuttings	1971
224L	258	NW	Cuttings	1992
225AS	275	N	Unspecified Pit	1891
226AT	305	E	Unspecified Ground Workings	1891
227AU	317	E	Brick Works	1891
228O	331	E	Cuttings	1930
229O	331	E	Cuttings	1910
230P	338	E	Cuttings	1992
231P	338	E	Cuttings	1969
232P	339	E	Cuttings	1938
233Q	346	NW	Cuttings	1951
234Q	348	NW	Cuttings	1938
235Q	348	NW	Cuttings	1930
236P	362	E	Cuttings	1930
237P	362	E	Cuttings	1910
238U	407	E	Cuttings	1969
239U	410	E	Cuttings	1910
240U	410	E	Cuttings	1930
241U	412	E	Cuttings	1938
242AV	416	SW	Pond	1846
243AV	418	SW	Pond	1951
244W	419	E	Unspecified Pit	1891
245AV	422	SW	Pond	1891

246AV	423	SW	Pond	1930
247AV	423	SW	Pond	1910
248W	431	E	Refuse Heap	1938
249W	441	E	Refuse Heap	1951
250Y	452	NE	Cuttings	1930
251Y	452	NE	Cuttings	1910
252Y	452	NE	Cuttings	1938
253Y	455	NE	Cuttings	1951
254AW	459	NE	Cuttings	1846
255Z	466	NE	Cuttings	1992
256Z	466	NE	Cuttings	1969
257AA	471	W	Cuttings	1938
258AA	471	W	Cuttings	1910
259AA	471	W	Cuttings	1930
260AA	475	W	Cuttings	1951
261	485	E	Pond	1891

2. Environmental Permits, Incidents and Registers Map



- Site Outline
- Search Buffers (m) — 250 / 500
- Recorded Pollution Incident
- Dangerous Substances (List 1)
- Dangerous Substances (List 2)
- Water Industry Referrals
- Licenced Discharge Consents
- Red List Discharge Consents
- RAS 3 & 4 Authorisations
- Part A(1) Authorised Processes and Historic IPC Authorisations
- Part A(2) and Part B Authorised Processes
- COMAH / NIHHS Sites
- Sites Determined as Contaminated Land
- Hazardous Substance Consents and Enforcements

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

2

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
1	44	SE	334892 439367	Address: Poulton Cleaning Centre, 25 Queens Square, Poulton-le-Fylde, FY6 7BW Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
2	405	NE	335187 439630	Address: Jim Clancy & Sons Ltd, Station Road, Poulton-le-Fylde, FY6 7HU Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

0

Database searched and no data found.

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

0

Database searched and no data found.

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

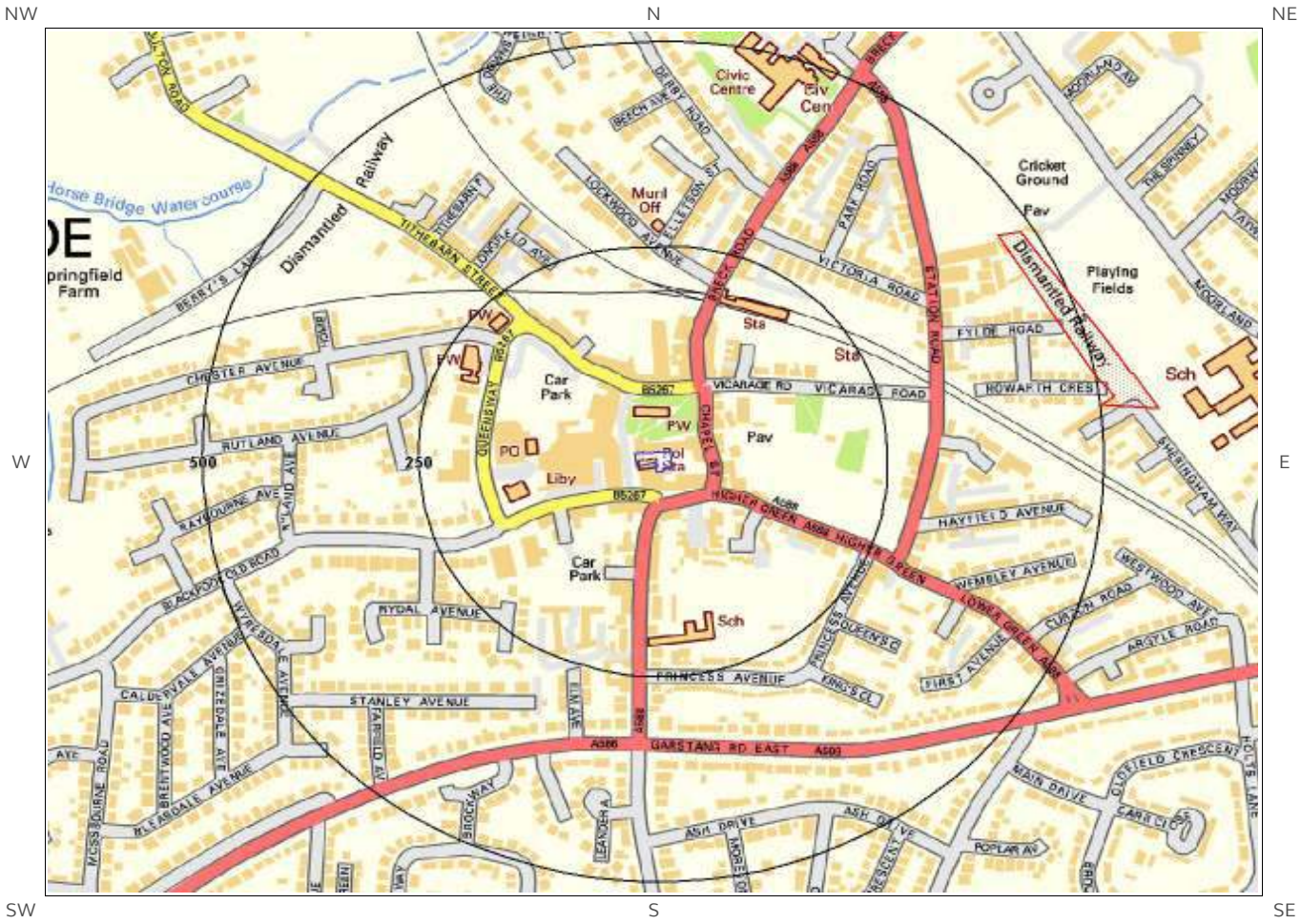
Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

Records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



Site Outline

250 / 500 Search Buffers (m)

EA/NRW Active Landfill

EA/NRW Historic Landfill

BGS / DoE Survey Landfill

Historic and Planned Waste Sites

EA/NRW Licensed Waste Site

Local Authority/Historical Mapping Landfill Records

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

5

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
1	462	NE		Site Address: Poulton Railway Cutting, Station Road, Poulton le Fylde, Lancashire Waste Licence: Yes Site Reference: L1/02/013, L1/2/332, K1/020/13, Licence No 262 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 05-Aug-1987 Licence Surrendered: Licence Holder Address: British Rail Engineering Yard, Howarth Crescent, Poulton-le-Fylde Operator: - Licence Holder: E Astbury First Recorded: - Last Recorded: 31-Dec-1989
Not shown	1197	SE		Site Address: Poulton Industrial Estate, Aldon Road, Lancashire Waste Licence: Yes Site Reference: L1/02/340, 270, WD/100/340, K1/2/055 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 21-Jan-1988 Licence Surrendered: 31-Aug-1989 Licence Holder Address: Export Centre, Preston New Road, Blackpool Operator: - Licence Holder: Aldon Construction Company Limited First Recorded: - Last Recorded: -
Not shown	1247	SW		Site Address: Fylde School, Off Garstang Road West, Norcross, Lancashire Waste Licence: - Site Reference: K1/02/046 Waste Type: Waste Unknown Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Flyde School/Flyde Borough Council First Recorded: 31-Dec-1980 Last Recorded: -
Not shown	1274	SW		Site Address: South side of Garstang Road, Site A, Off Garstang Road West, Little Carleton, Poulton le Fylde, Lancashire Waste Licence: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Lancashire County

ID	Distance (m)	Direction	NGR	Details	
				Site Reference: K1/02/048, K1/04/011 Waste Type: Household Environmental Permitting Regulations (Waste) Reference: -	Council First Recorded: 31-Dec-1958 Last Recorded: 31-Dec-1958
Not shown	1472	SW		Site Address: North Side of Garstang Road, Garstang Road West, Little Carleton, Poulton le Fylde, Lancashire Waste Licence: - Site Reference: K1/04/010 Waste Type: Inert, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Lancashire County Council First Recorded: 31-Dec-1950 Last Recorded: 31-Dec-1967

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

0

Database searched and no data found.

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

0

Database searched and no data found.

3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

11

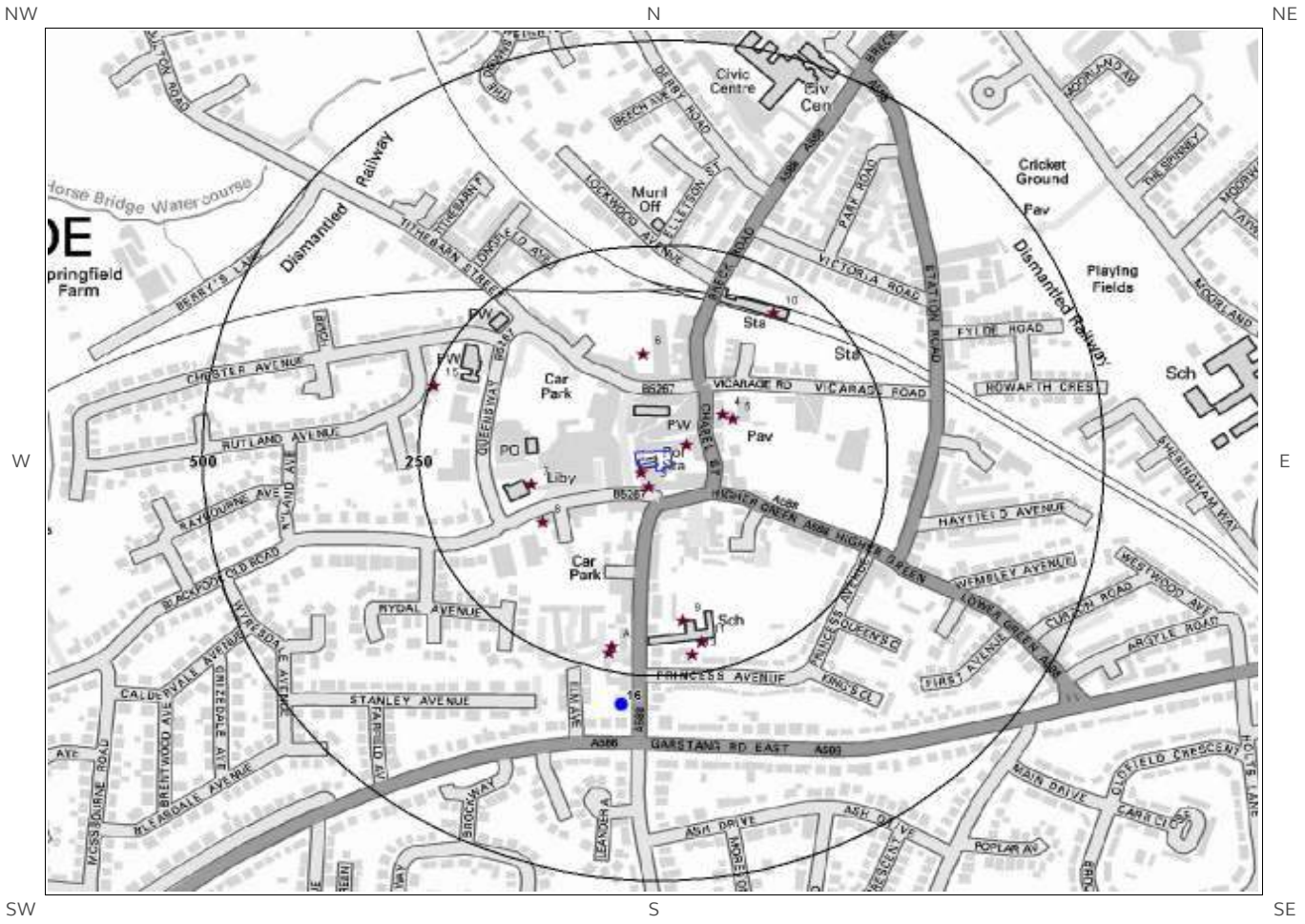
The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1281	E	336100 439100	Site Address: Unit 9, Beacon Road, Poulton Industrial Estate, Poulton-le-fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes	Issue Date: 24/02/1998 Effective Date: - Modified: 09/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: -

ID	Distance (m)	Direction	NGR	Details	
				Environmental Permitting Regulations (Waste) Licence Number: FRA003 EPR reference: - Operator: Frank Smith Waste Management licence No: 54285 Annual Tonnage: 4500.0	Status: Modified Site Name: Frank Smith Skip Hire Correspondence Address: Unit 9, Beacon Road, Poulton Industrial Estate, Poulton-le-fylde, Lancashire, FY6 8JE
Not shown	1281	E	336100 439100	Site Address: Unit 9, Beacon Road, Poulton Industrial Estate, Poulton-le-fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FRA003 EPR reference: - Operator: Frank Smith Waste Management licence No: 54285 Annual Tonnage: 4500.0	Issue Date: 24/02/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Frank Smith Skip Hire Correspondence Address: Unit 9, Beacon Road, Poulton Industrial Estate, Poulton-le-fylde, Lancashire, FY6 8JE
Not shown	1281	E	336100 439100	Site Address: Unit 9, Beacon Road, Poulton Industrial Estate, Poulton Le Fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FRA003 EPR reference: EA/EPR/FP3497CR/V002 Operator: Park James Andrew Waste Management licence No: 54285 Annual Tonnage: 4500.0	Issue Date: 24/02/1998 Effective Date: - Modified: 09/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked Site Name: Frank Smith Skip Hire Correspondence Address: -
Not shown	1288	E	336112 439122	Site Address: 79, Bracewell Road, Poulton Industrial Estate, Poulton Le Fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FRA004 EPR reference: - Operator: Frank Smith Waste Management licence No: 54366 Annual Tonnage: 24999.0	Issue Date: 08/12/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Frank Smith Skip Hire Correspondence Address: Unit 9, Beacon Road, Poutlon Industrial Estate, Poulton Le Fylde, Lancashire, FY6 8JE
Not shown	1297	E	336118 439107	Site Address: Unit 10, Beacon Road, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JE Type: 75kte Vehicle Depollution Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JRA005 EPR reference: EA/EPR/JP3797EG/A001 Operator: Ratcliffe Nathan Waste Management licence No: 101776 Annual Tonnage: 74999.0	Issue Date: 10/09/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: J Ratcliffe & Son Correspondence Address: -
Not shown	1305	E	336125 439100	Site Address: Kingscourt, Beacon Road, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BLA002 EPR reference: EA/EPR/EB3309KE/T001 Operator: Blackpool Skip Hire Limited Waste Management licence No: 54186 Annual Tonnage: 79998.0	Issue Date: 27/09/1994 Effective Date: 22/09/2016 Modified: 09/01/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Kingscourt Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1305	E	336125 439100	Site Address: Kingscourt Development, Beacon Road, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJT001 EPR reference: EA/EPR/BP3197CT/V004 Operator: Teale Michael Waste Management licence No: 54186 Annual Tonnage: 79998.0	Issue Date: 27/09/1994 Effective Date: - Modified: 09/01/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Kingscourt Development Correspondence Address: -
Not shown	1305	E	336125 439100	Site Address: Kingscourt, Beacon Road, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JE Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BLA002 EPR reference: EA/EPR/EB3309KE/T001 Operator: Blackpool Skip Hire Limited Waste Management licence No: 54186 Annual Tonnage: 79998.0	Issue Date: 27/09/1994 Effective Date: 22/09/2016 Modified: 09/01/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Kingscourt Correspondence Address: -
Not shown	1418	SE	336115 438742	Site Address: Kingscourt Beacon Road, Poulton Business Park, Poulton Le Flyde, Lancashire, FY6 8JE Type: Treatment of waste to produce soil <75,000 tpy Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJT006 EPR reference: EA/EPR/DB3601LU/A001 Operator: M J Teale Plant Hire Limited Waste Management licence No: 402887 Annual Tonnage: 74999.0	Issue Date: 02/02/2016 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: M J Teale Plant Hire Limited Correspondence Address: -
Not shown	1485	SE	336190 438742	Site Address: Kingscourt Developments, Land Off Cocker Avenue, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JU Type: Inert & Excavation Waste TS Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TEA012 EPR reference: EA/EPR/XP3492EU/S002 Operator: Teale Michael J Waste Management licence No: 102730 Annual Tonnage: 0.0	Issue Date: 05/09/2011 Effective Date: - Modified: - Surrendered Date: Sep 28 2017 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Kingscourt Developments Correspondence Address: -
Not shown	1492	SE	336192 438731	Site Address: King Court, Beacon Road, Poulton Business Park, Poulton Le Fylde, Lancashire, FY6 8JE Type: Physical Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BSH001 EPR reference: EA/EPR/GB3000GZ/A001 Operator: Blackpool Skip Hire Limited Waste Management licence No: 404637 Annual Tonnage: 15999.0	Issue Date: 04/06/2018 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Blackpool Skip Hire Ltd Biomass Facility Correspondence Address: -

4. Current Land Use Map



Site Outline

Search Buffers (m)
250
500

Current Industrial Sites

Petrol & Fuel Sites

Electricity Transmission Cables

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 15

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	9	S	Afton Coaches	334816 439379	16, Market Place, Poulton-le-Fylde, Lancashire, FY6 7AS	Vehicle Hire and Rental	Hire Services
2	20	NE	Electricity Sub Station	334869 439413	Lancashire, FY6	Electrical Features	Infrastructure and Facilities
3	21	SW	Imperial Signs	334825 439361	1b, Queens Square, Poulton-le-Fylde, Lancashire, FY6 7BW	Signs	Industrial Products
4	75	NE	The Works	334911 439450	Lancashire, FY6	Unspecified Works Or Factories	Industrial Features
5	82	NE	Andrew Friel Hearing Services	334922 439444	5b, Chapel Street, Poulton-le-Fylde, Lancashire, FY6 7BQ	Disability and Mobility Equipment	Consumer Products
6	120	N	Works	334819 439524	Lancashire, FY6	Unspecified Works Or Factories	Industrial Features
7	124	W	Electricity Sub Station	334690 439365	Lancashire, FY6	Electrical Features	Infrastructure and Facilities
8	128	SW	Mobilitysure	334703 439319	12d, Blackpool Old Road, Poulton-le-Fylde, Lancashire, FY6 7DH	Disability and Mobility Equipment	Consumer Products
9	183	S	Tank	334865 439199	Lancashire, FY6	Tanks (Generic)	Industrial Features
10	207	NE	Poulton-Le-Fylde Rail Station	334970 439574	Lancashire, FY6	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
11	213	S	Tank	334887 439173	Lancashire, FY6	Tanks (Generic)	Industrial Features
12A	220	S	Works	334783 439167	Lancashire, FY6	Unspecified Works Or Factories	Industrial Features
13	226	S	Tank	334876 439157	Lancashire, FY6	Tanks (Generic)	Industrial Features
14A	228	S	Electricity Sub Station	334779 439159	Lancashire, FY6	Electrical Features	Infrastructure and Facilities
15	247	W	J D Hindley Metalworker	334576 439485	13, Rutland Avenue, Poulton-le-Fylde, Lancashire, FY6 7SB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 1

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
16	288	S	334794 439096	OBSOLETE	52, Hardhorn Road, Poulton-Le-Fylde, Lancashire, FY6 7SS	Not Applicable	Obsolete

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site: 0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

The database has been searched on site, including a 50m buffer.

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

5.3 Bedrock and Solid Geology

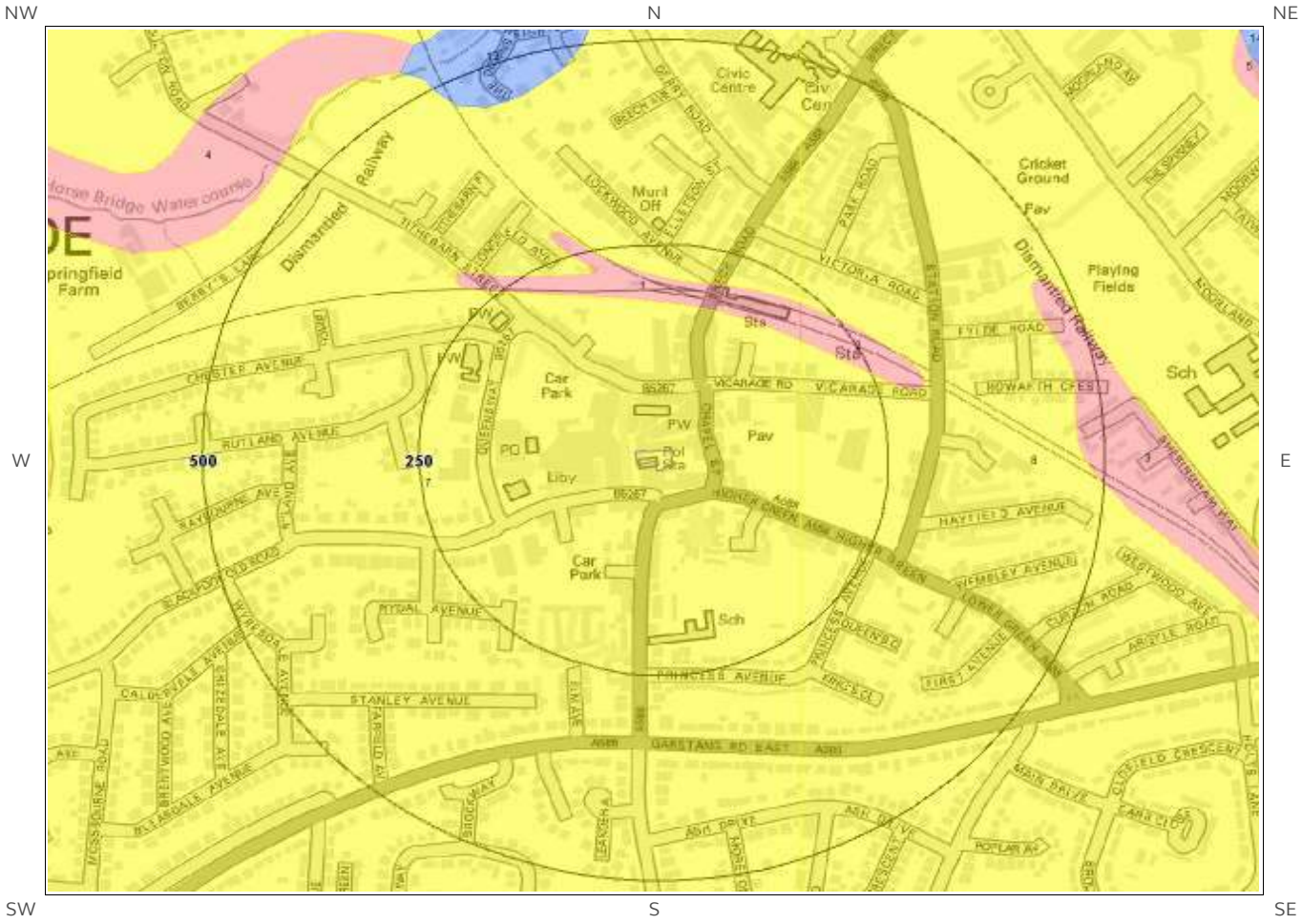
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
SNM-MDST	SINGLETON MUDSTONE MEMBER	MUDSTONE

(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



Site Outline

250 — 500 — Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

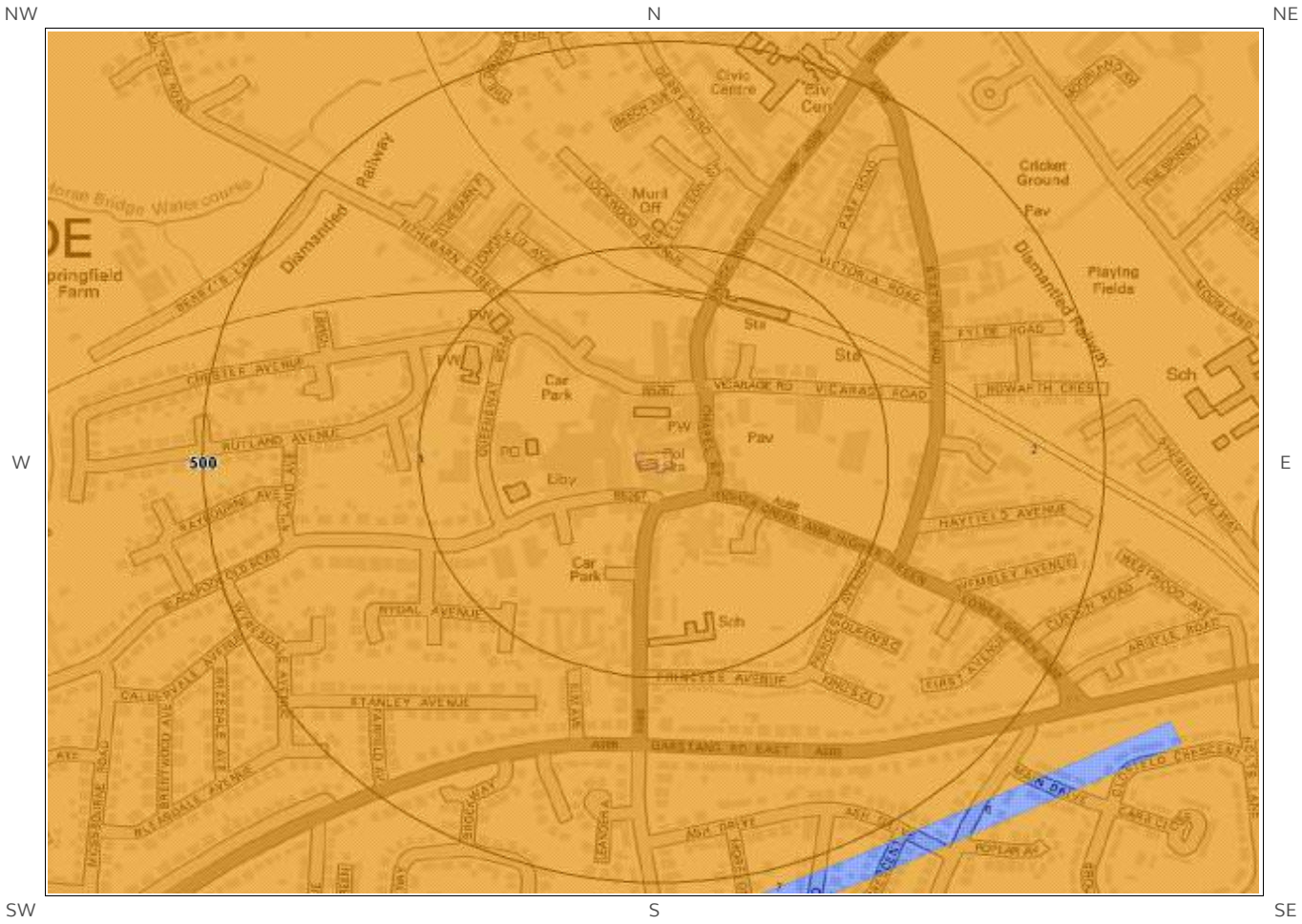
Secondary (B) Aquifer - Lower Permeability Layers

Secondary Aquifer - Undifferentiated Layers

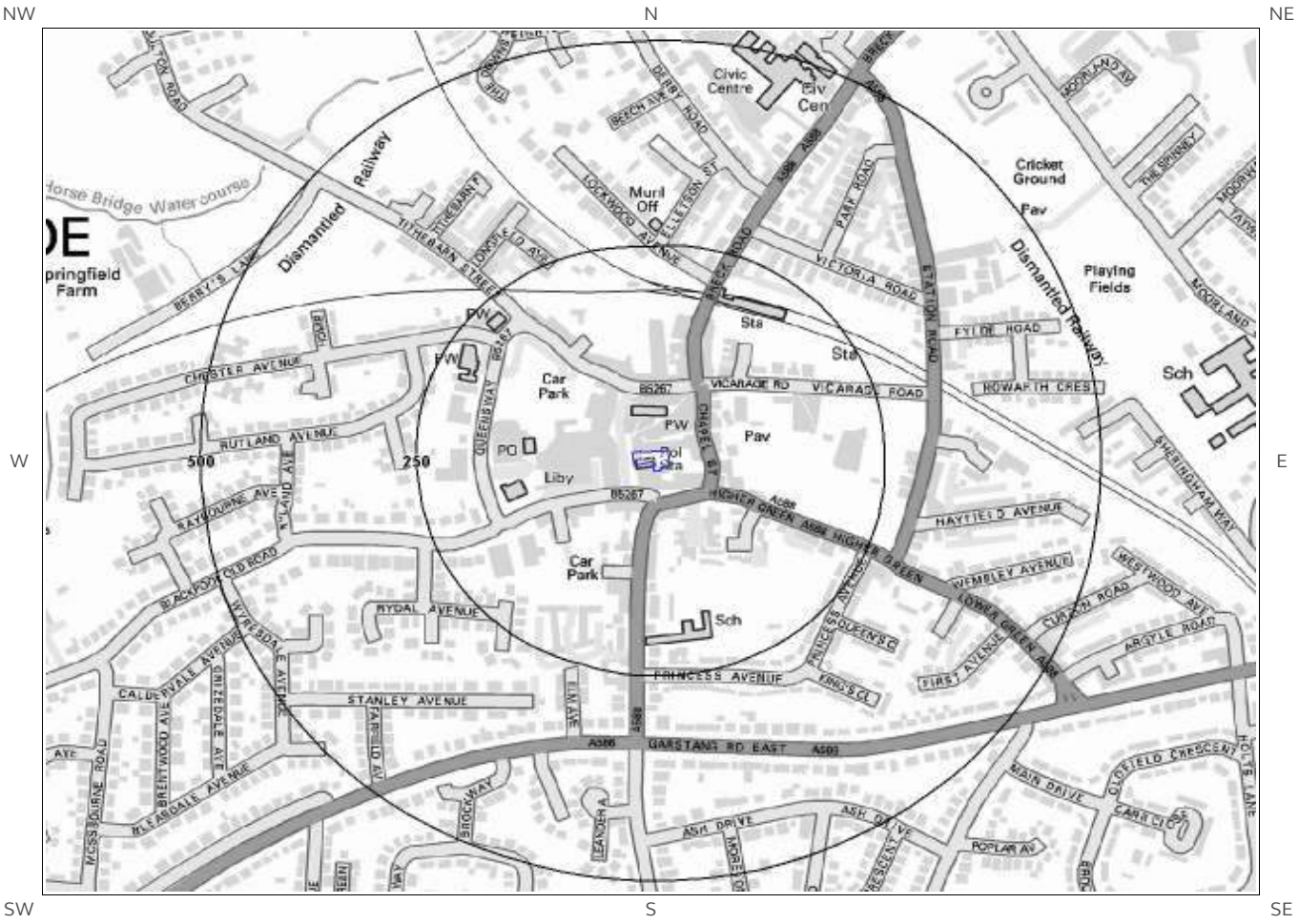
Unproductive

Unknown (lakes and landslip)

6b. Aquifer Within Bedrock Geology and Abstraction Licences



6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



Site Outline

250 — 500 — Search Buffers (m)

Source Protection Zone 1 - Inner Catchment

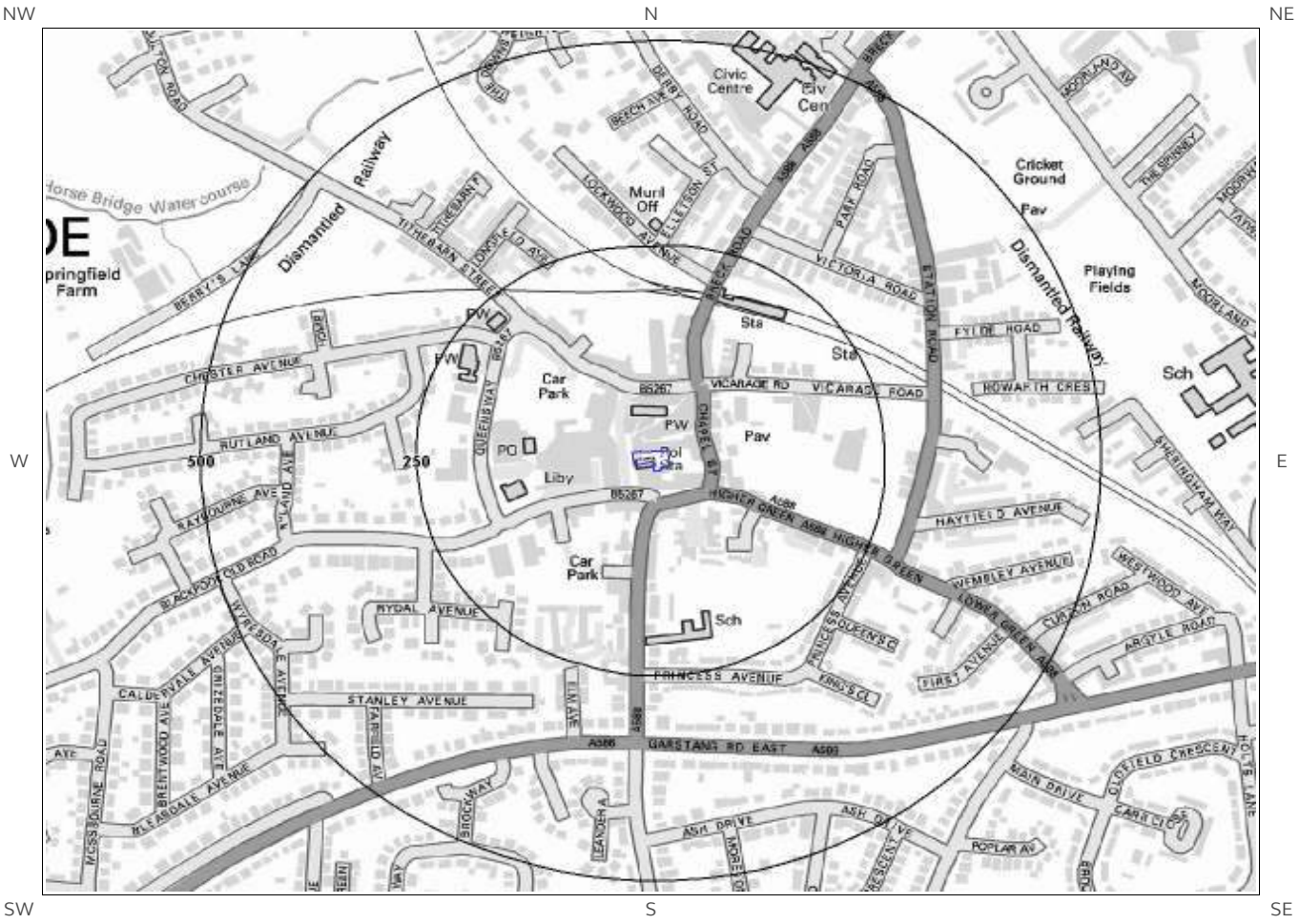
Source Protection Zone 2 - Outer Catchment

Source Protection Zone 3 - Total Catchment

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

6d. Hydrogeology – Source Protection Zones within confined aquifer



Site Outline

250 Search Buffers (m)
500

Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

Source Protection Zone 3C - Total Catchment within Confined Aquifer

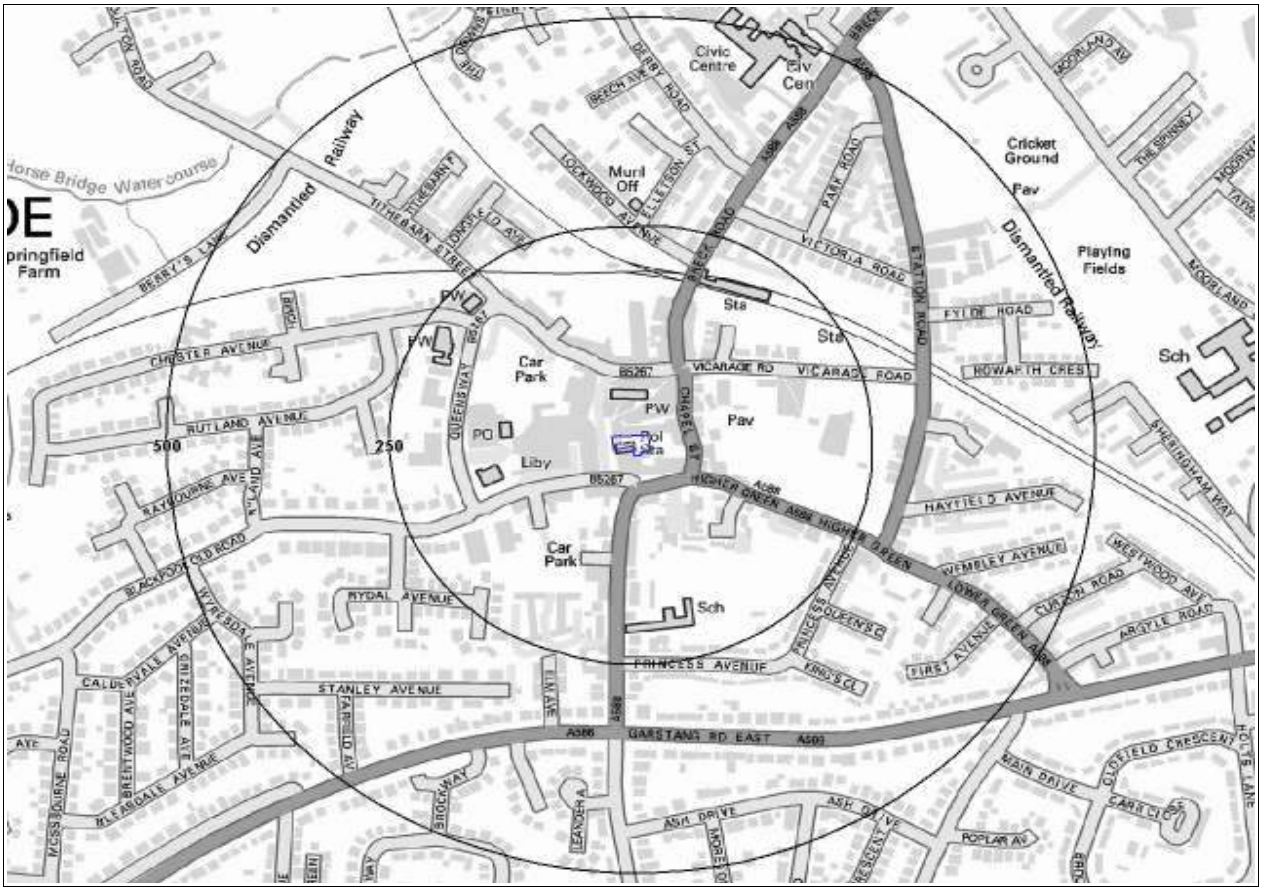
Potable Water Abstraction Licence

6e. Hydrology – Watercourse Network and River Quality

NW N NE

W E

SW S SE



Watercourse type

- Tidal River
- Inland River
- Canal
- Lock or Flight of Locks
- Lake, Reservoir, or Marsh
- Foreshore
- Drain or Transfer

Watercourse level

- On ground surface
- Underground or Elevated
- Level unknown

- Site Outline
- 250 / 500 Search Buffers (m)
- General Quality Assessment: Biology
- General Quality Assessment: Chemistry

6.Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Records of strata classification within the superficial geology at or in proximity to the property Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
7	0	On Site	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
8	148	E	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
1	176	N	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	200	NE	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
12	453	N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
3	456	NE	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

6.2 Aquifer within Bedrock Deposits

Records of strata classification within the bedrock geology at or in proximity to the property Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers
2	148	E	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site — None identified

Database searched and no data found.

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site — Identified

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details	
Not shown	1655	E	336400 438800	Status: Historical Licence No: 2672419004 Details: Dust suppression Direct Source: Surface, Non-Tidal - North West Region Point: MAIN DYKE AT POULTON-LE-FYLDE Data Type: Point Name: FYLDE DEVELOPMENT COMPANY	Annual Volume (m^3): - Max Daily Volume (m^3): - Application No: - Original Start Date: 06/04/1995 Expiry Date: - Issue No: 100 Version Start Date: 06/04/1995 Version End Date:

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site — None identified

Database searched and no data found.

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site — None identified

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Source Protection Zones within the Confined Aquifer within 500m of the study site None identified

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site None identified

Database searched and no data found.

6.9 River Quality

Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site None identified

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Ordnance Survey MasterMap Water Network

Ordnance Survey MasterMap Water Network entries within 500m of the study site

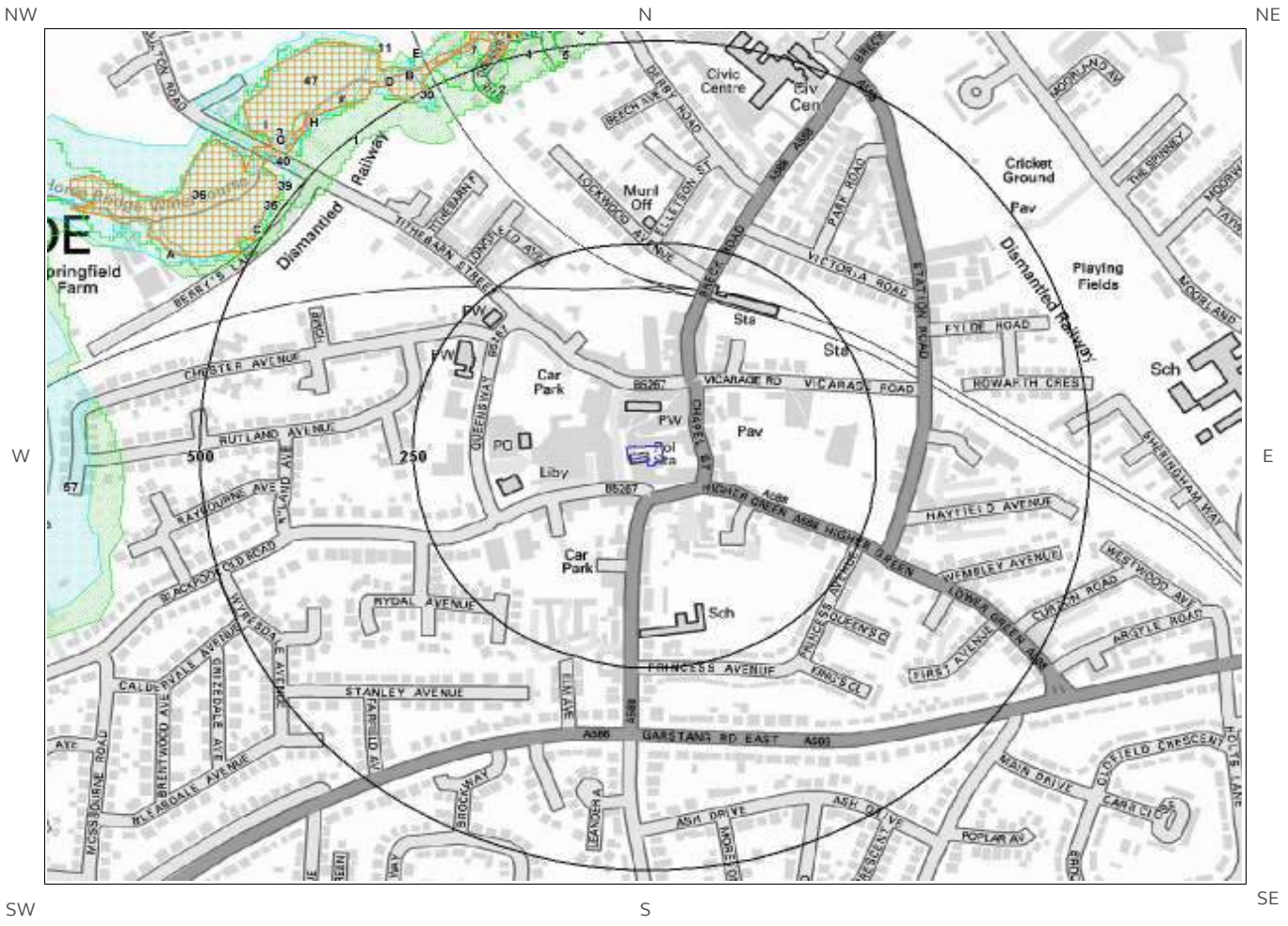
Database searched and no data found.

6.11 Surface Water Features

Surface water features within 250m of the study site	None identified

Database searched and no data found.

7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



Site Outline

100
250
Search Buffers (m)

Zone 2 Floodplain

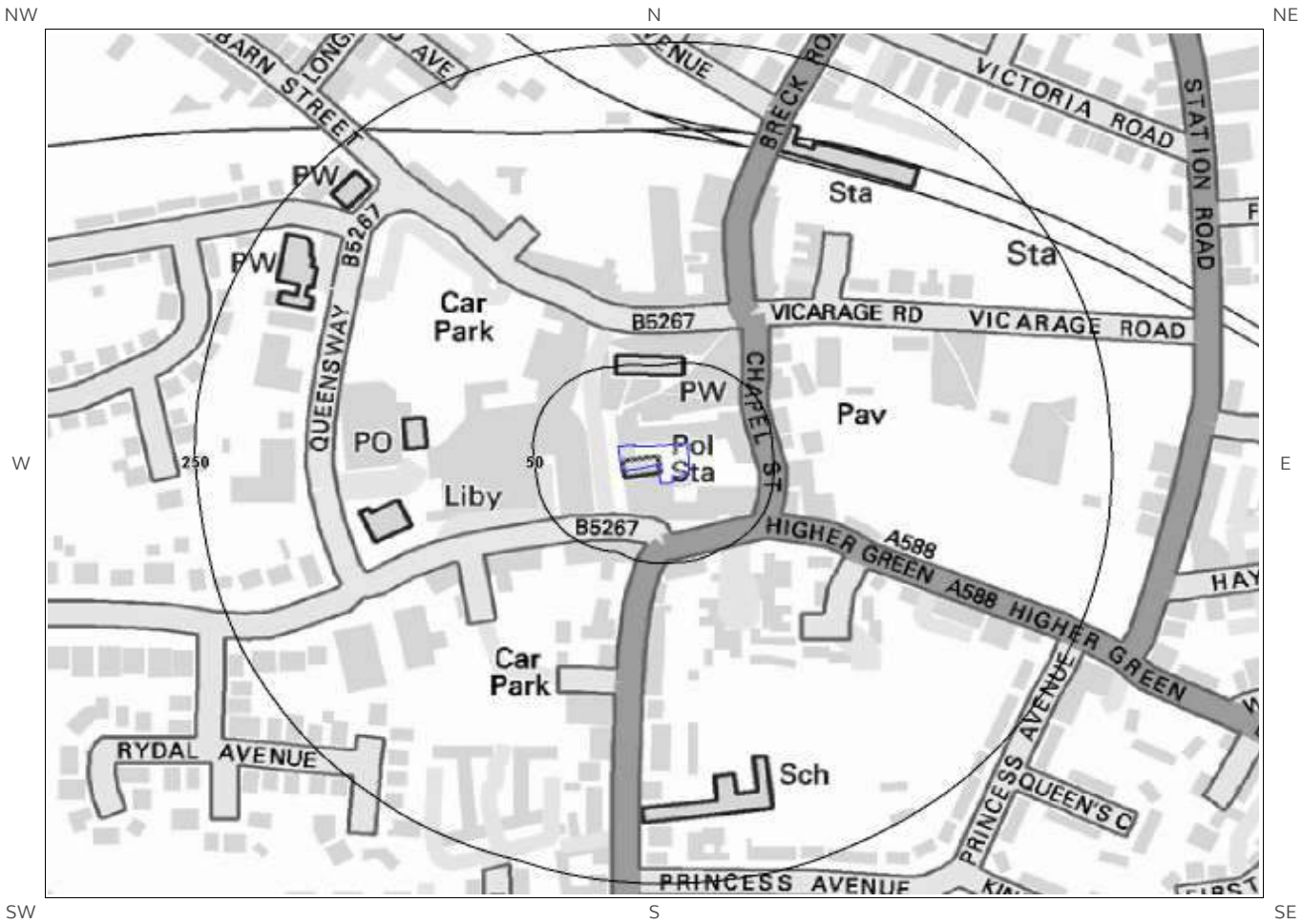
Zone 3 Floodplain

Flood Defences

Area used for Flood Storage

Area Benefiting from Flood Defences

7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



Site Outline

100
250
Search Buffers (m)

RoFRaS Rating

- Very Low
- Low
- Medium
- High

7 Flooding

7.1 River and Coastal Zone 2 Flooding

Environment Agency/Natural Resources Wales Zone 2 floodplain within 250m — None identified

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Environment Agency/Natural Resources Wales Zone 3 floodplain within 250m — None identified

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

Highest risk of flooding onsite — Very Low

The Environment Agency/Natural Resources Wales RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Flood Defences within 250m of the study site — None identified

Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Areas benefiting from Flood Defences within 250m of the study site — None identified

7.6 Areas benefiting from Flood Storage

Areas used for Flood Storage within 250m of the study site	None identified

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site	Identified
Clearwater Flooding or Superficial Deposits Flooding	Superficial Deposits Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 Highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions

Potential below Surface

Where potential for groundwater flooding of property situated below ground level is indicated, this means that given the geological conditions there may be a groundwater flooding hazard to basements and other below surface infrastructure. Unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area you need take no further action in relation to groundwater flooding hazard. If there are records of previous incidences of groundwater flooding, then is recommended that other information e.g. rainfall history, property type, and land drainage information in addition to previous records of flooding be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

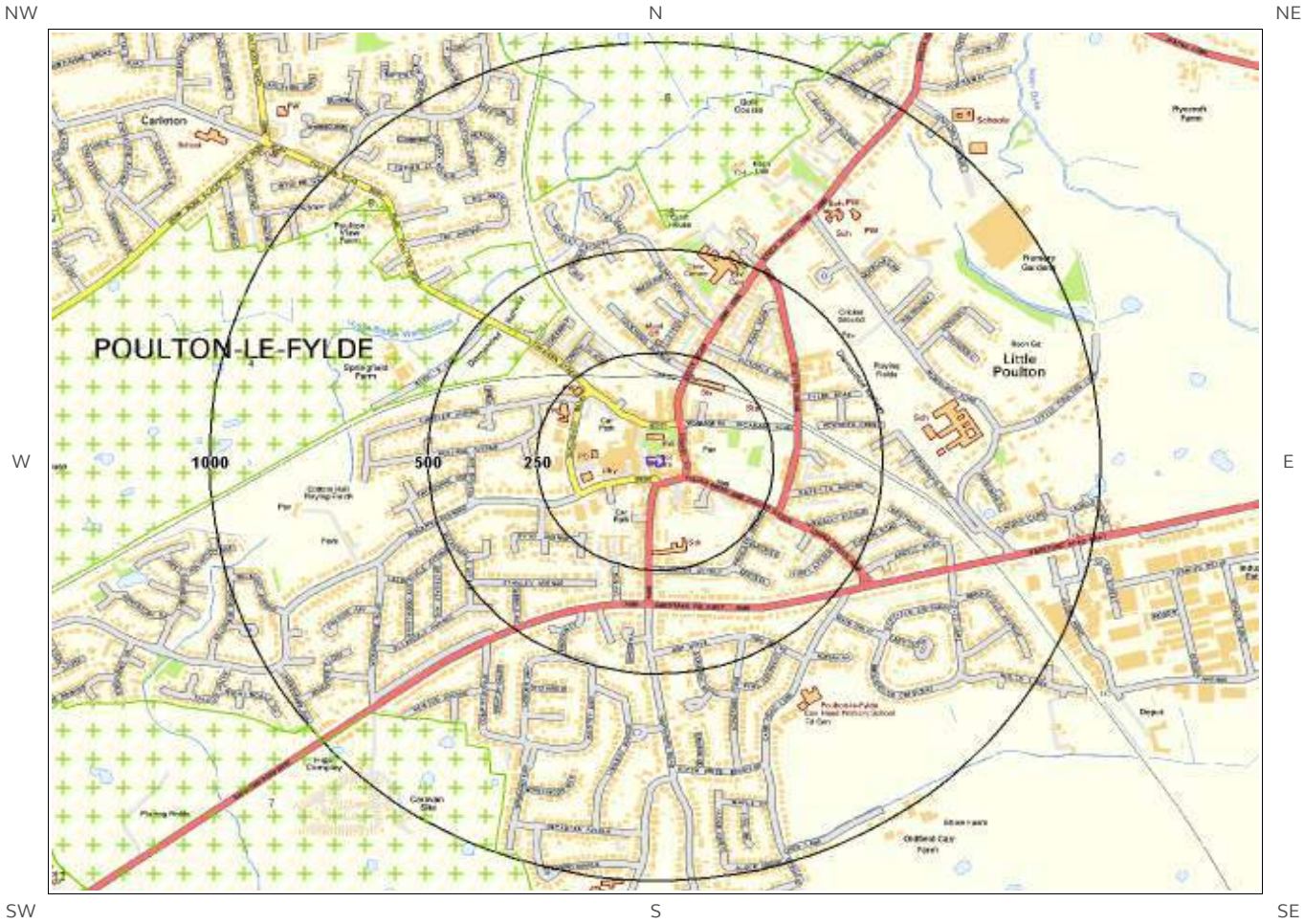
7.8 Groundwater Flooding Confidence Areas

British Geological Survey confidence rating in this result	High

Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



Site Outline

100 250 Search Buffers (m)

AONB

National Park

SSSI

Special Protection Areas

Nitrate Vulnerable Zones

Green Belt

Environmentally Sensitive Areas

Special Areas of Conservation

World Heritage Sites

Nitrate Sensitive Areas

Ancient Woodland

National Nature Reserve

Local Nature Reserves

Ramsar Sites

8. Designated Environmentally Sensitive Sites

Designated Environmentally Sensitive Sites within 2000m of the study site | Identified

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

1

The following Site of Special Scientific Interest (SSSI) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SSSI Name	Data Source
Not shown	1753	NE	Wyre Estuary	Natural England

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

1

The following Special Protection Area (SPA) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SPA Name	Data Source
Not shown	1754	NE	Morecambe Bay and Duddon Estuary	Natural England

8.5 Records of Ramsar sites within 2000m of the study site:

1

The following Ramsar records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ramsar Site Name	Ramsar Site Status	Data Source
Not shown	1753	NE	Morecambe Bay	Listed	Natural England

8.6 Records of Ancient Woodland within 2000m of the study site:

0

Database searched and no data found.

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

12

Green Belt data contains Ordnance Survey data © Crown copyright and database right [2015].

ID	Distance	Direction	Green Belt Name	Local Authority Name
4	374	NW	Blackpool Greenbelt	Wyre District (B)
5	553	N	Blackpool Greenbelt	Wyre District (B)
6	595	N	Blackpool Greenbelt	Wyre District (B)
7	751	SW	Blackpool Greenbelt	Wyre District (B)
8	836	NW	Blackpool Greenbelt	Wyre District (B)
9	1446	NW	Blackpool Greenbelt	Wyre District (B)
Not shown	1478	W	Blackpool Greenbelt	Blackpool (B)
Not shown	1613	W	Blackpool Greenbelt	Blackpool (B)
12	1617	SW	Blackpool Greenbelt	Blackpool (B)
Not shown	1729	S	Blackpool Greenbelt	Fylde District (B)
Not shown	1735	S	Blackpool Greenbelt	Wyre District (B)
Not shown	1767	S	Blackpool Greenbelt	Wyre District (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a Groundsure Geo Insight, available from our website. The following information has been found:

9.1.1 Shrink Swell

Maximum Shrink-Swell*[*] hazard rating identified on the study site — Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

9.1.2 Landslides

Maximum Landslide* hazard rating identified on the study site — Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

9.1.3 Soluble Rocks

Maximum Soluble Rocks* hazard rating identified on the study site — Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

Maximum Compressible Ground* hazard rating identified on the study site — Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

Maximum Collapsible Rocks* hazard rating identified on the study site — Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

Maximum Running Sand** hazard rating identified on the study site — Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

* This indicates an automatically generated 50m buffer and site.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing
ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Coal mining areas within 75m of the study site	None identified

Database searched and no data found.

10.2 Non-Coal Mining

Non-Coal Mining areas within 50m of the study site boundary	None identified

Database searched and no data found.

10.3 Brine Affected Areas

Brine affected areas within 75m of the study site	None identified

Guidance: No Guidance Required.

Contact Details

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Open Space, Upper Interfields, Malvern, Worcester, WR14 1UT

British Geological Survey Enquiries
Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:
Web:**www.bgs.ac.uk**
BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency
National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506
Web: **www.environment-agency.gov.uk**
Email: enquiries@environment-agency.gov.uk

Public Health England
Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe
Email:**enquiries@phe.gov.uk**
Main switchboard**: 020 7654 8000**

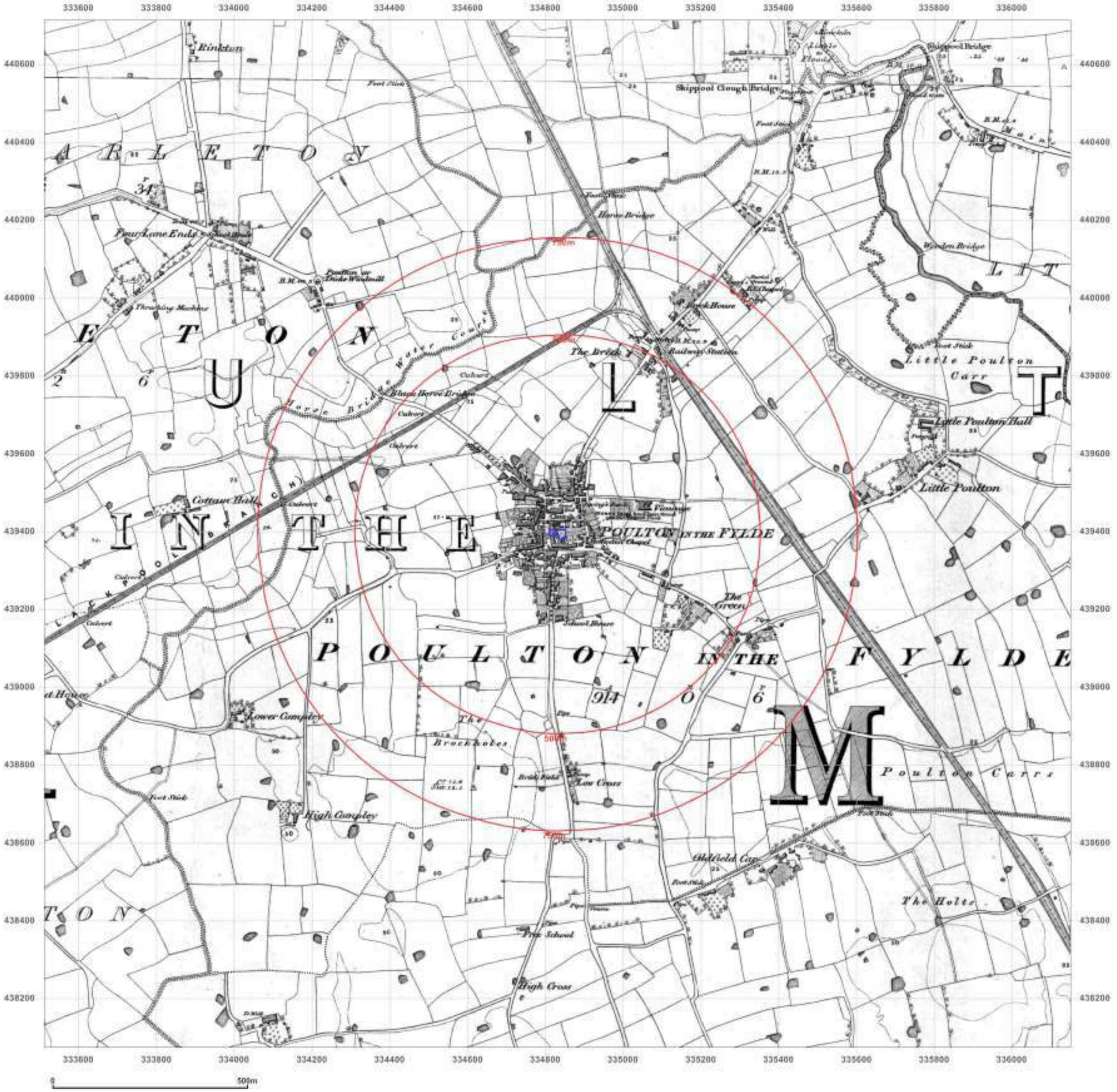
The Coal Authority
200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk

Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority
Authority: Wyre Council
Phone: 01253 891 000
Web: http://www.wyre.gov.uk
Address: Civic Centre, Breck Road, Poulton-le-Fylde, Lancashire, FY6

Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444

SMALL SCALE SURVEY PLANS



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Grid Ref: 334831, 439393

Map Name: County Series

Map date: **1847-1848**

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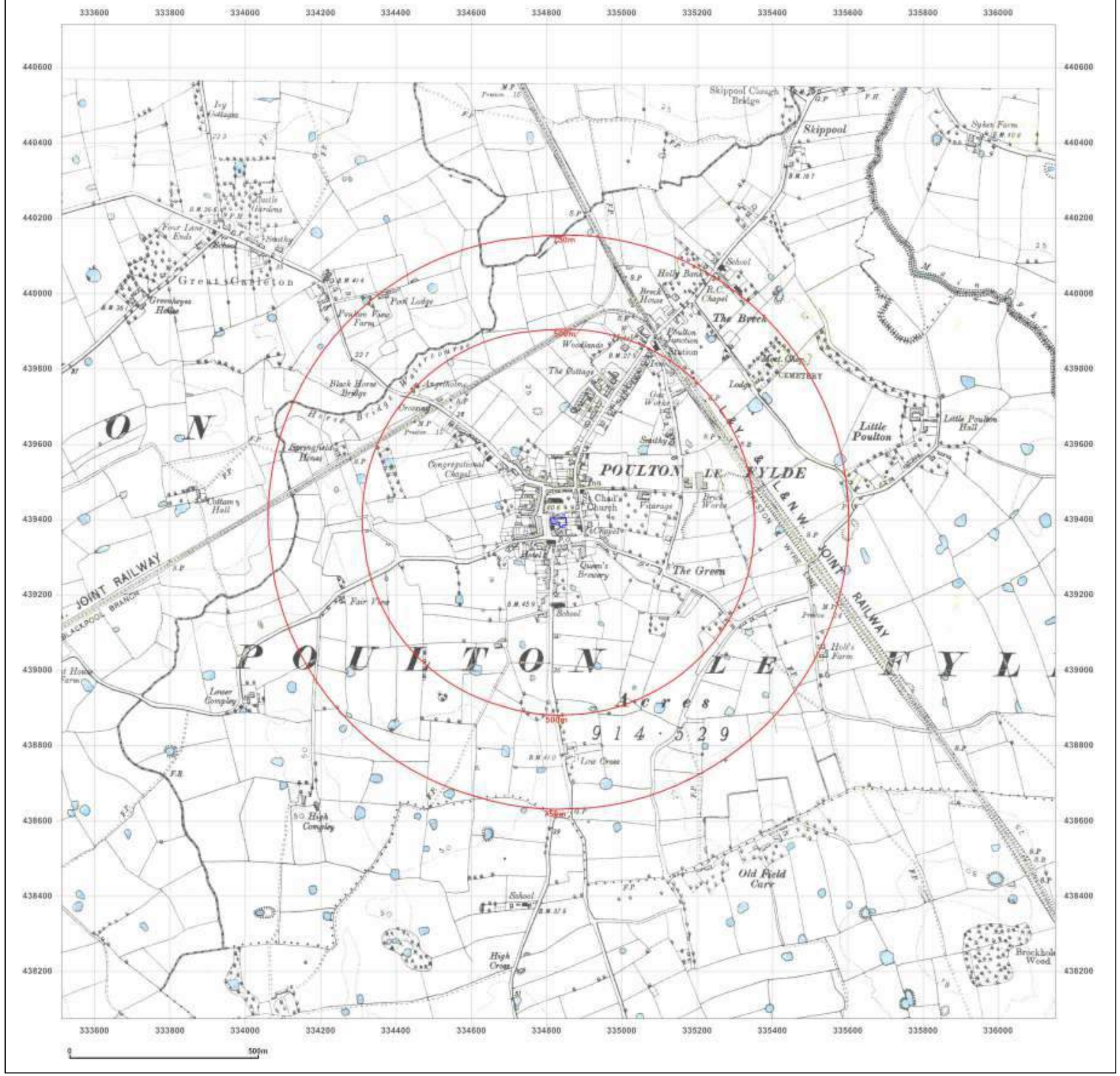

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Grid Ref: 334831, 439393

Map Name: County Series
Map date: **1891**
Scale: 1:10,560
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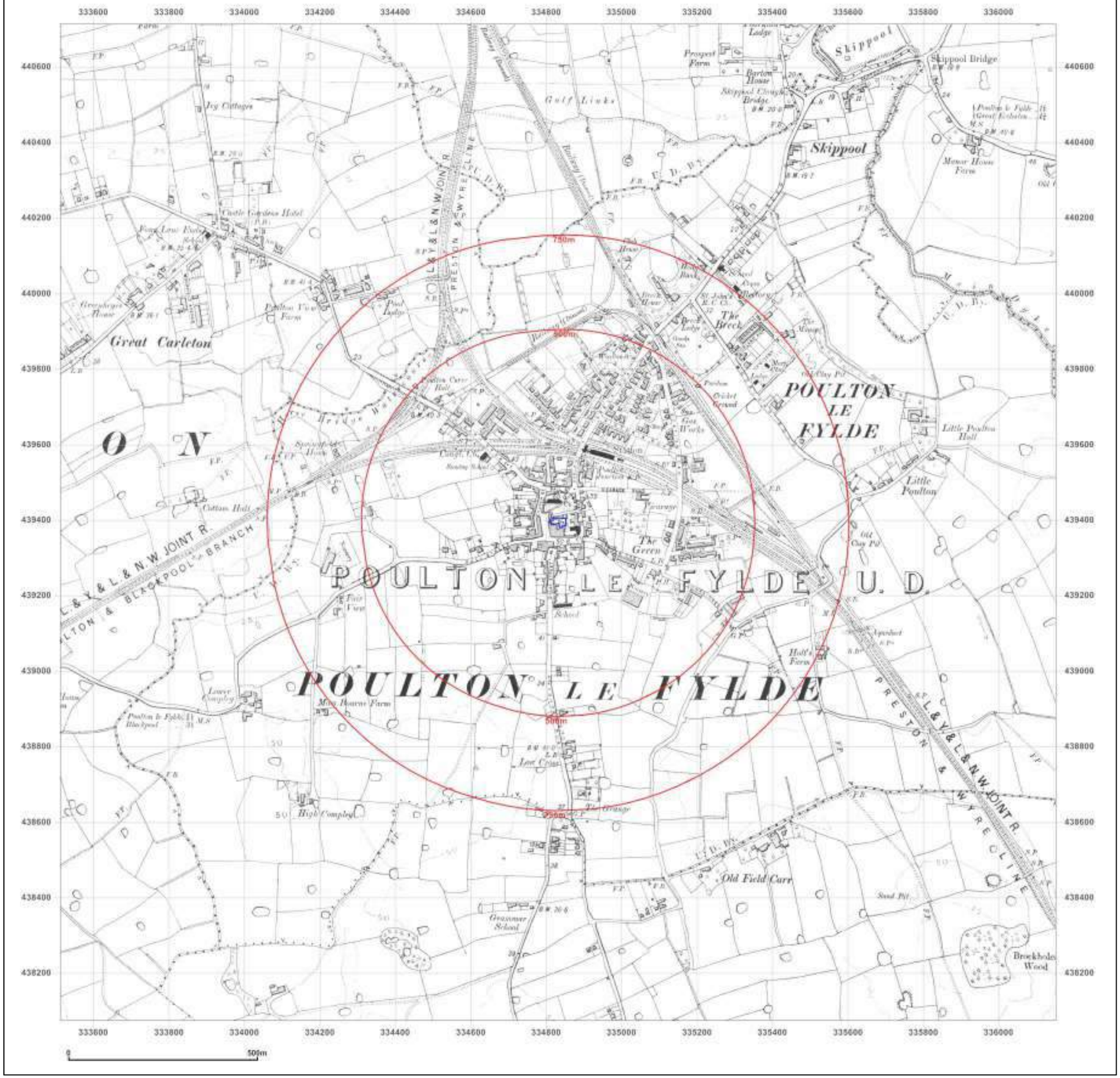

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Grid Ref: 334831, 439393

Map Name: County Series

Map date: **1910**

Scale: 1:10,560

Printed at: 1:10,560

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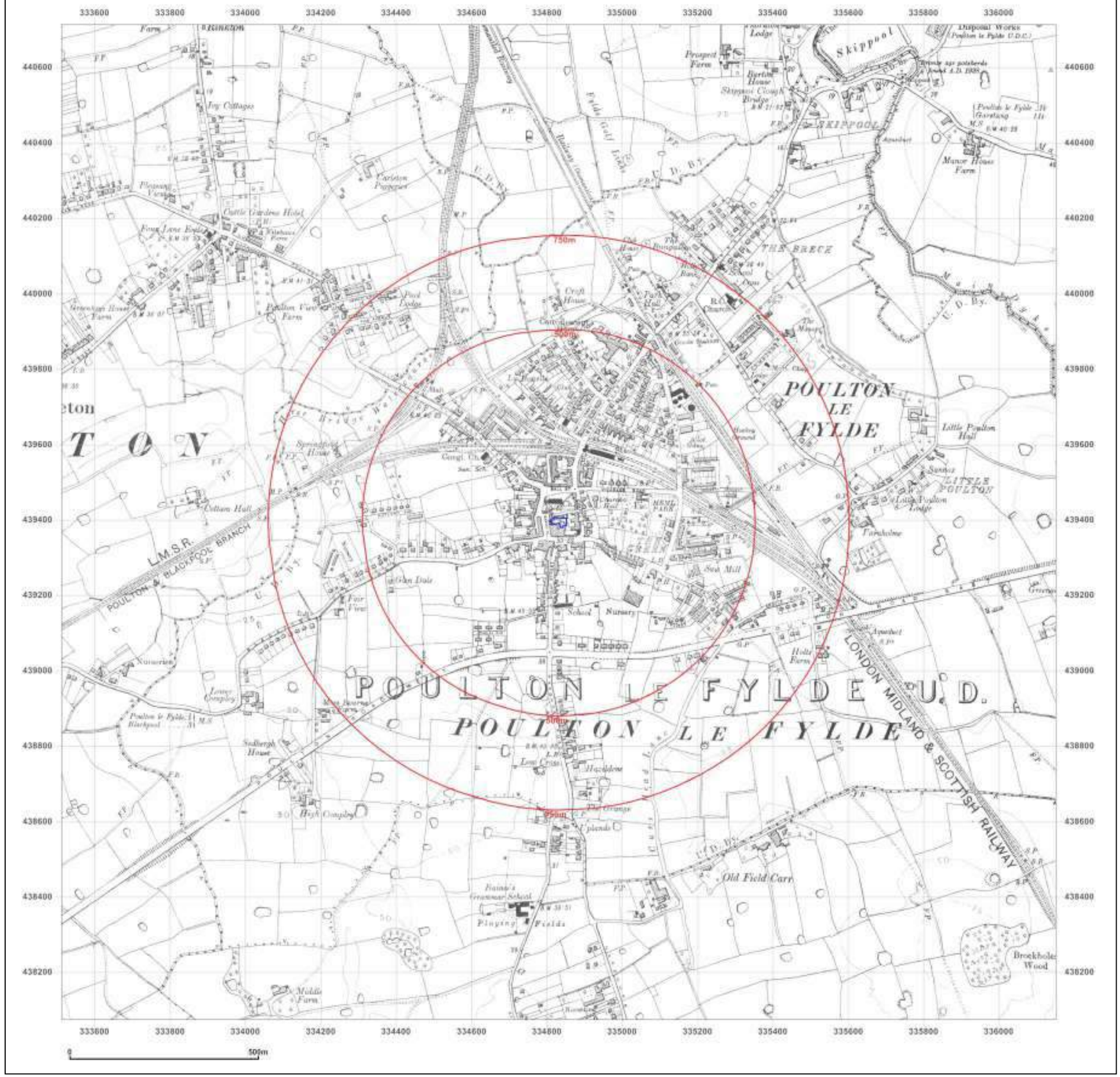

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Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: County Series

Map date: **1930-1931**

Scale: 1:10,560

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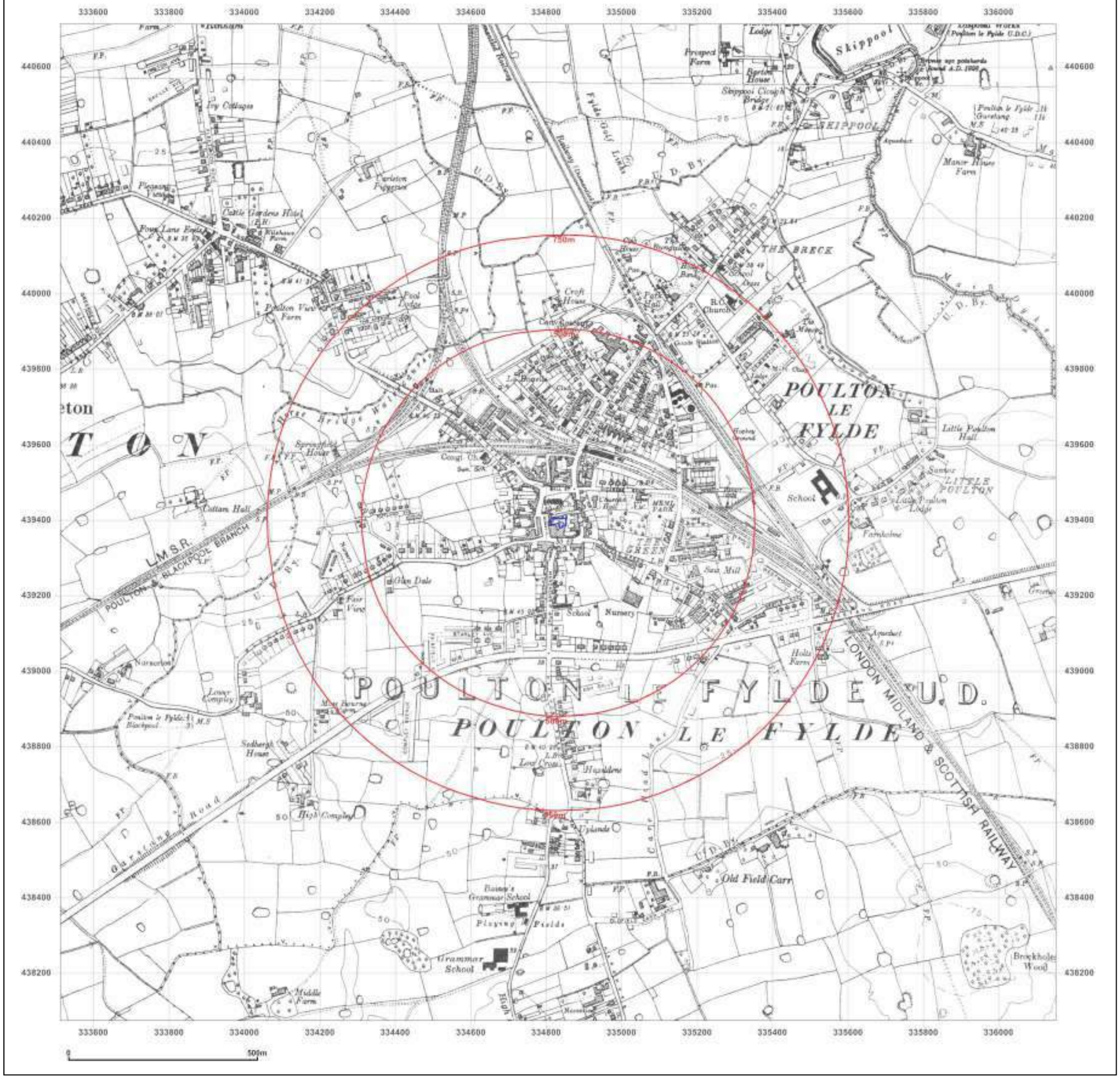

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Map Name: County Series

Map date: **1938**

Scale: 1:10,560

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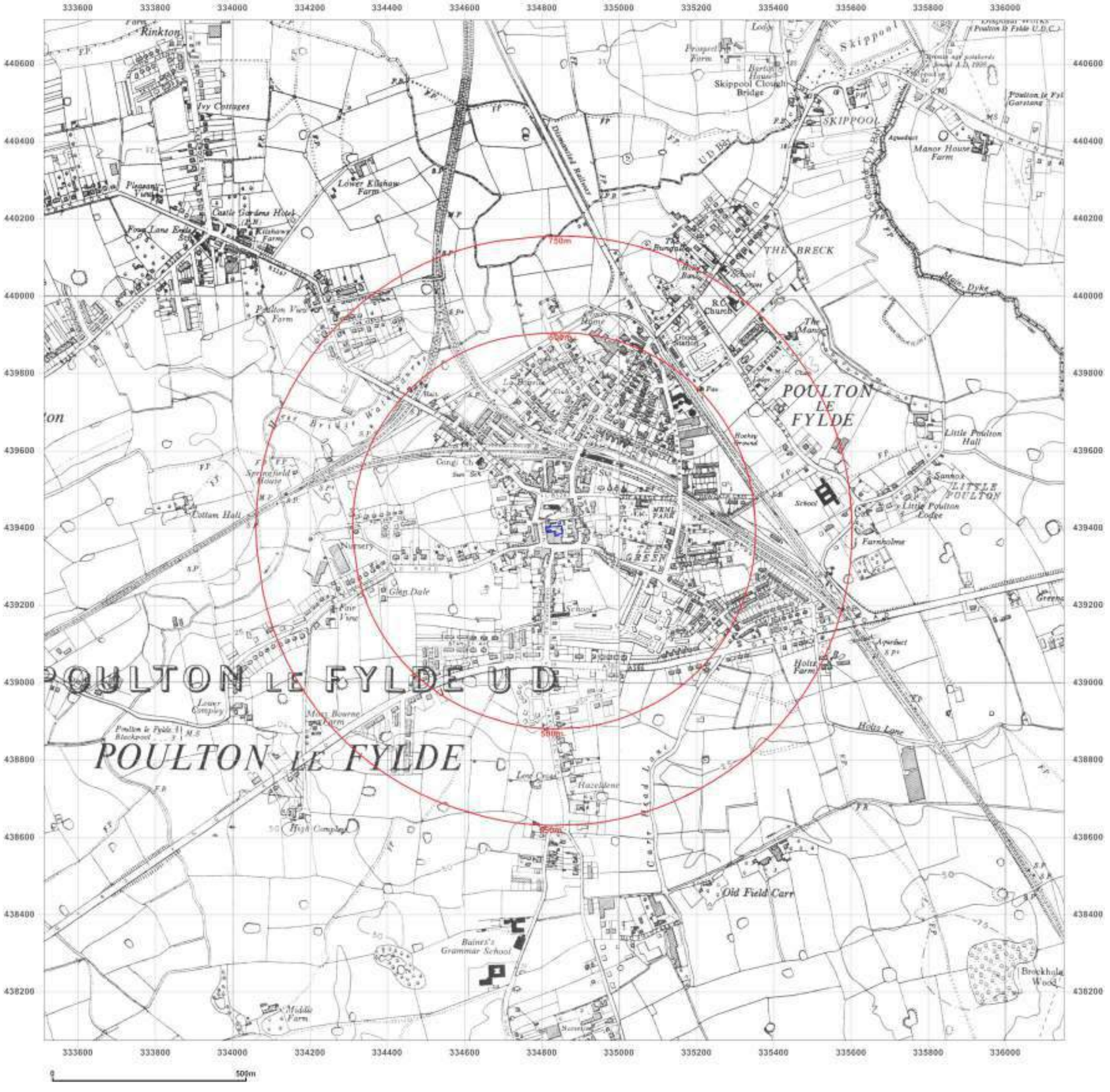

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Grid Ref: 334831, 439393

Map Name: Provisional

Map date: **1951**

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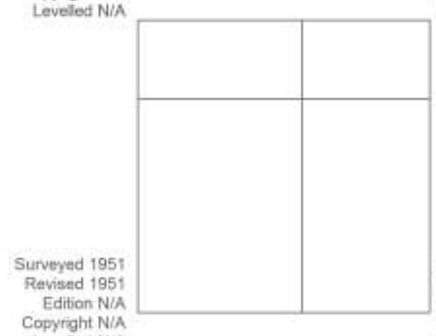

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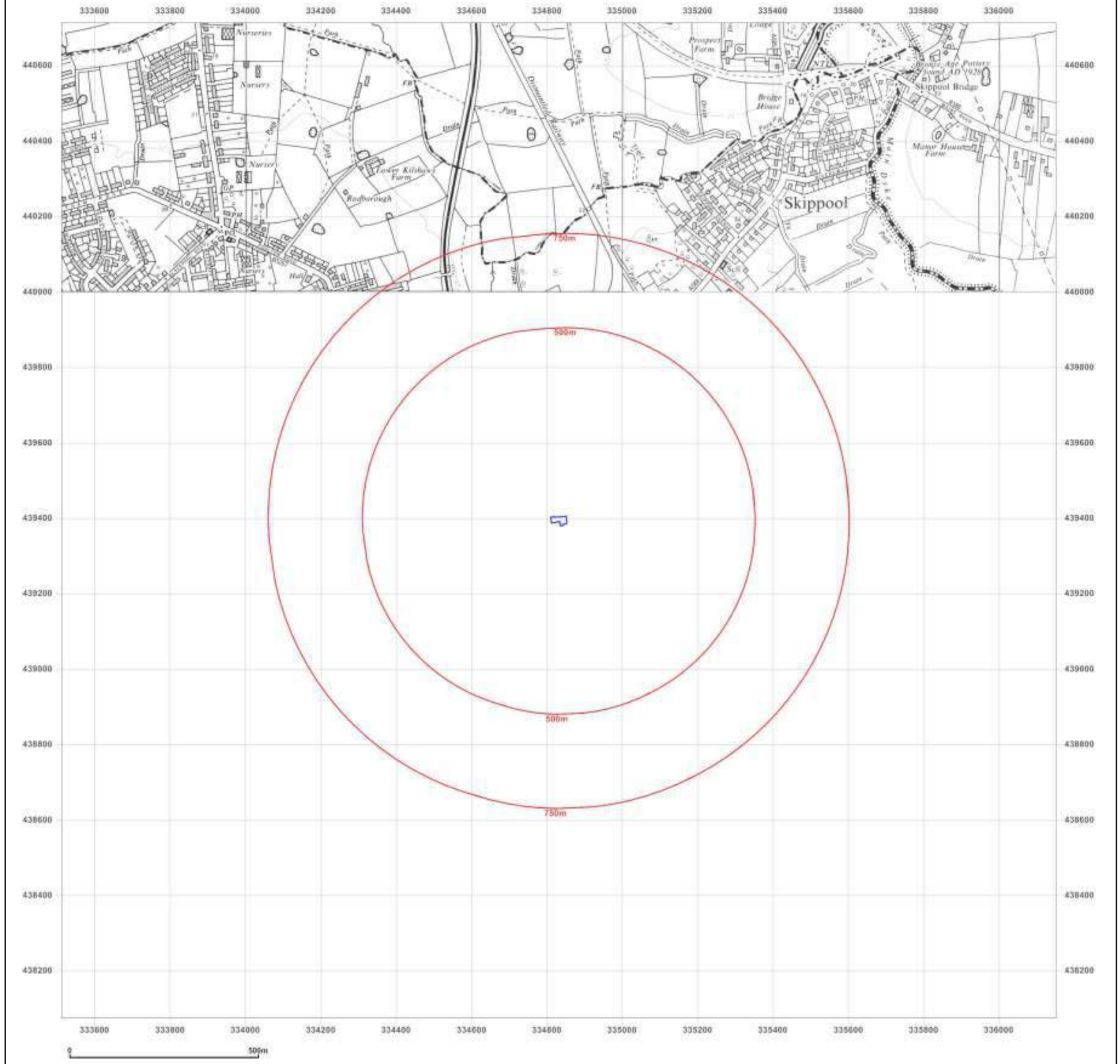

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Grid Ref: 334831, 439393

Map Name: Provisional
Map date: **1967-1968**
Scale: 1:10,560
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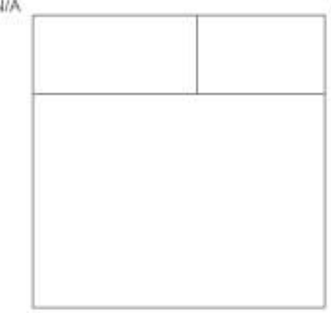

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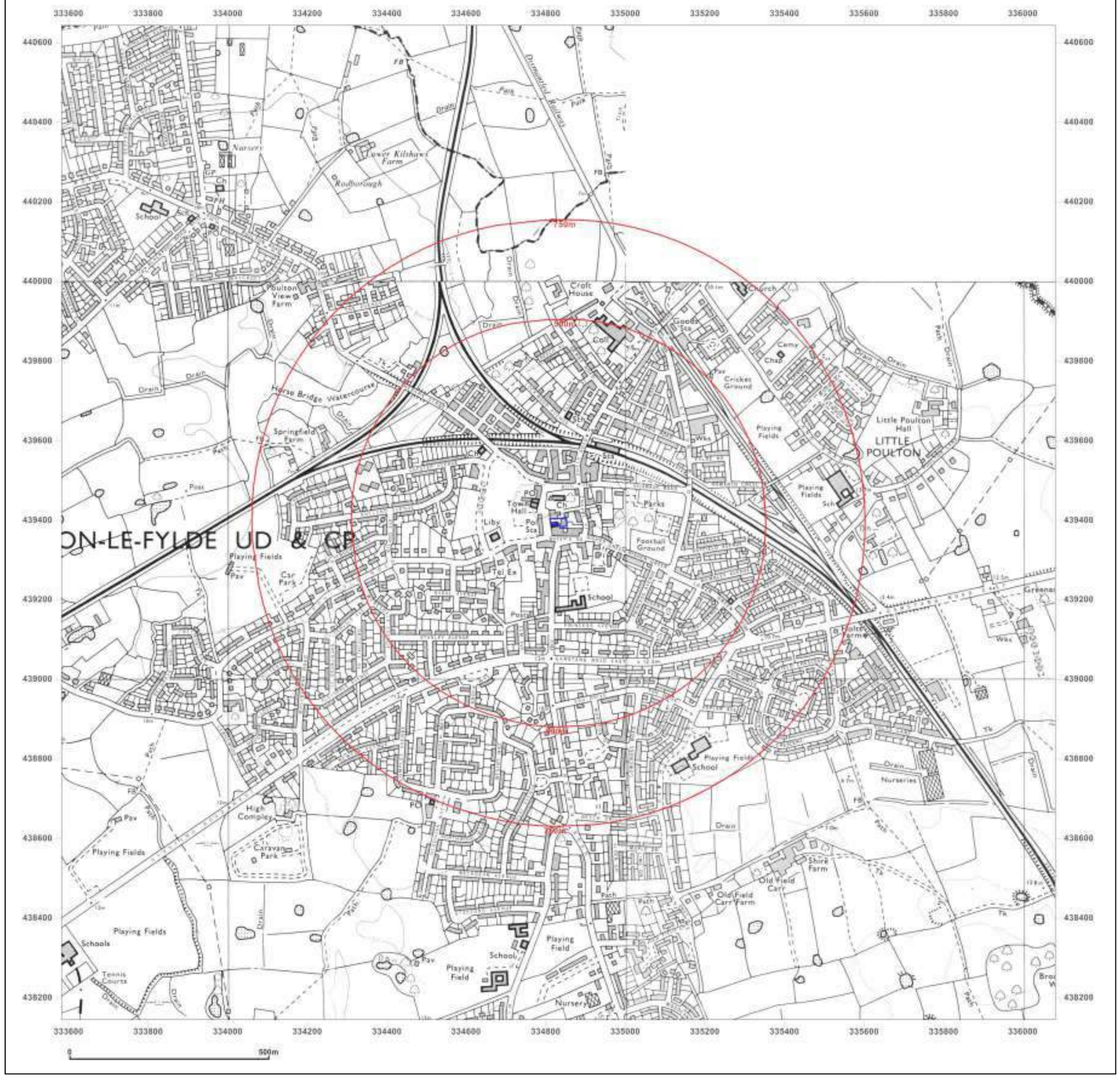

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Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **1969-1973**
Scale: 1:10,000
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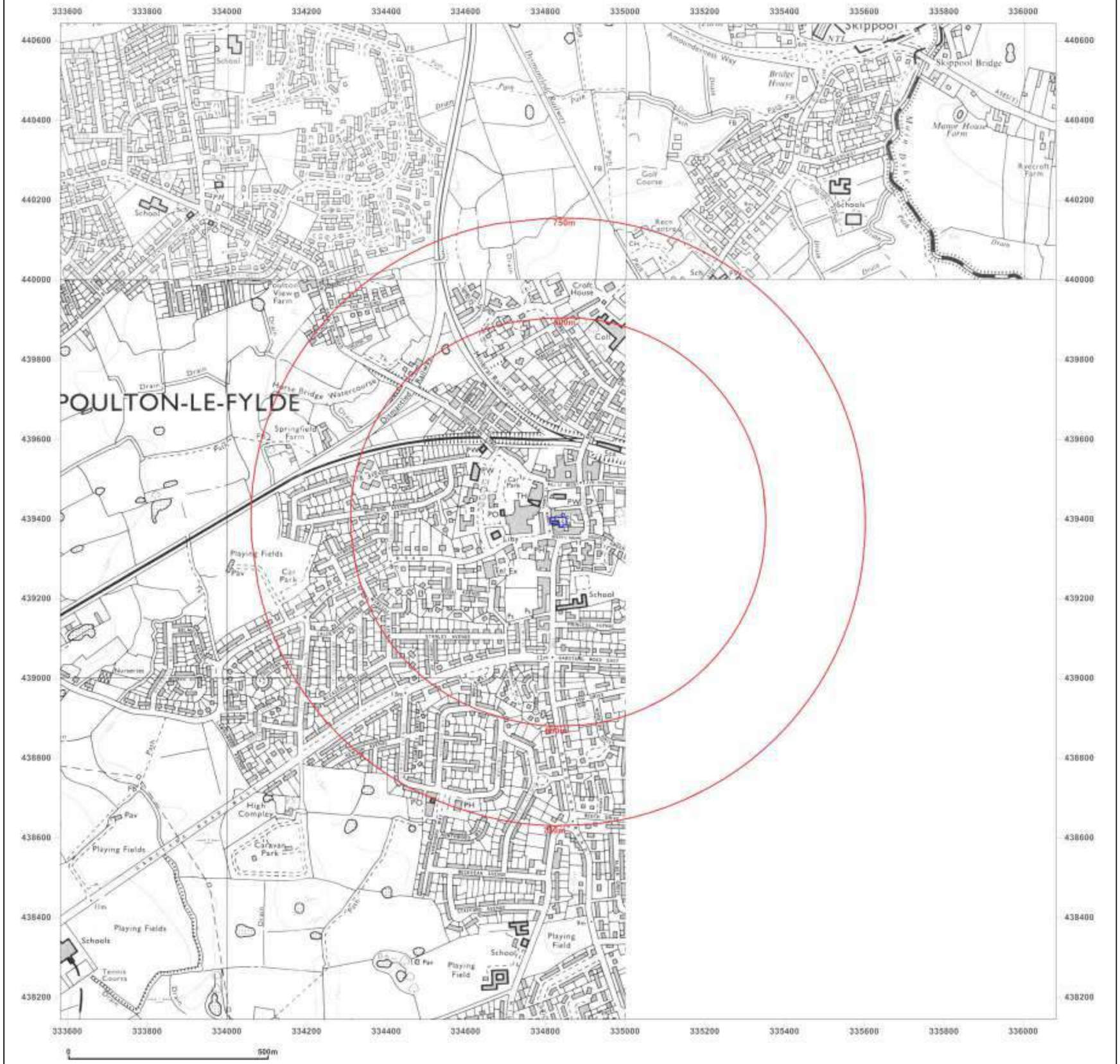

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Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **1981-1985**
Scale: 1:10,000
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Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **1992**
Scale: 1:10,000
Printed at: 1:10,000

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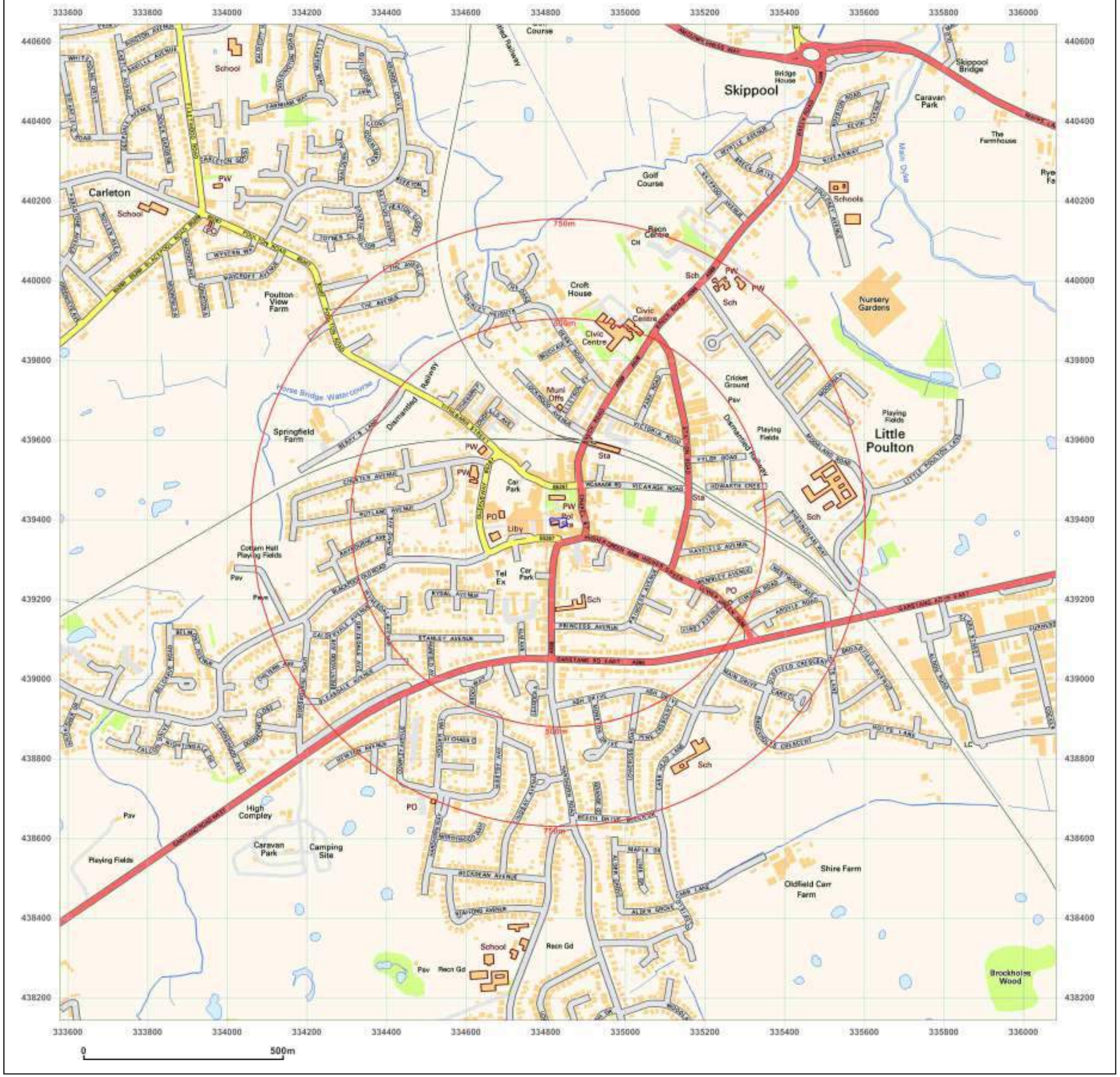

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Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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Production date: 23 October 2019

Map legend available at:
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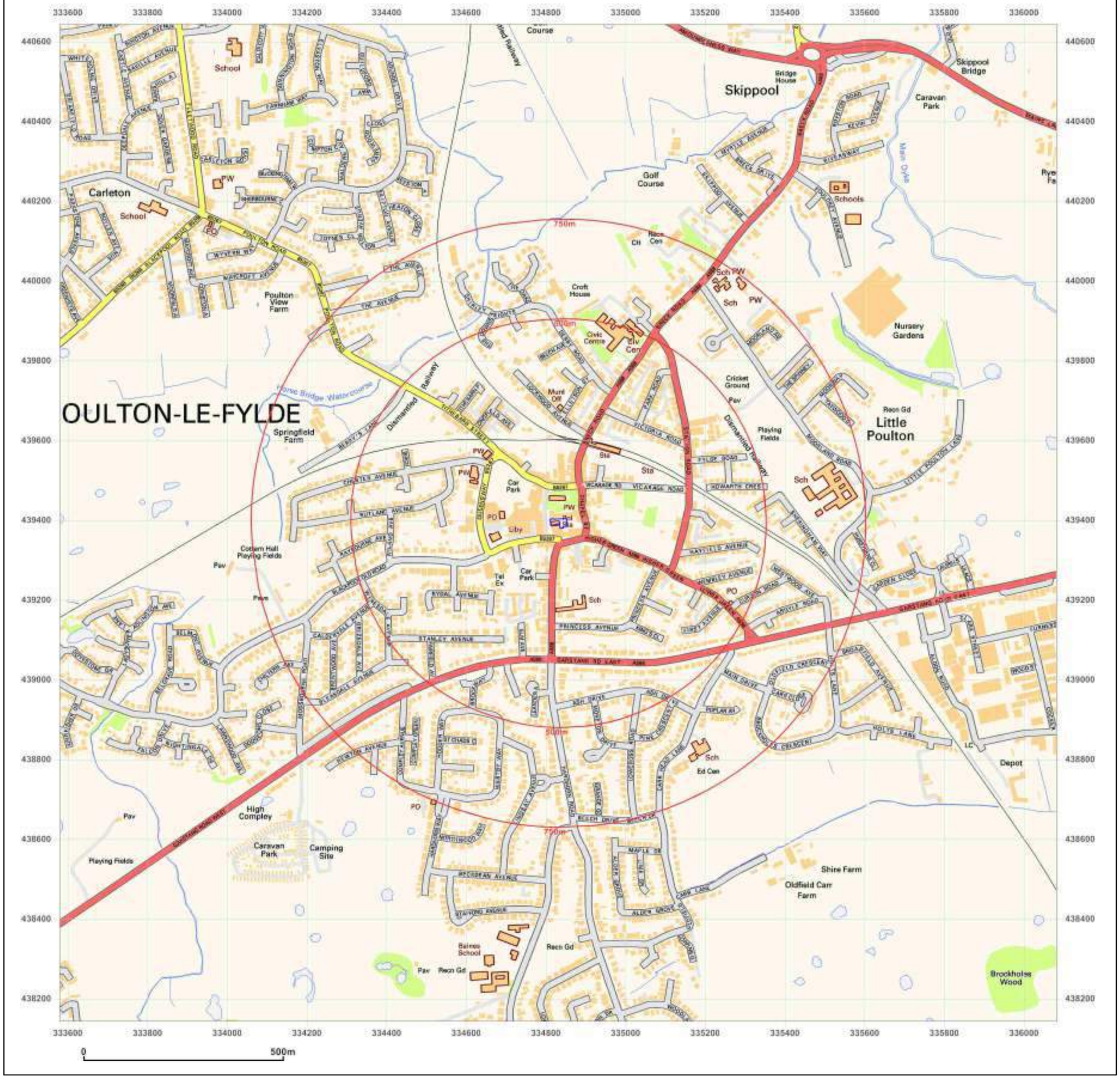

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

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2010

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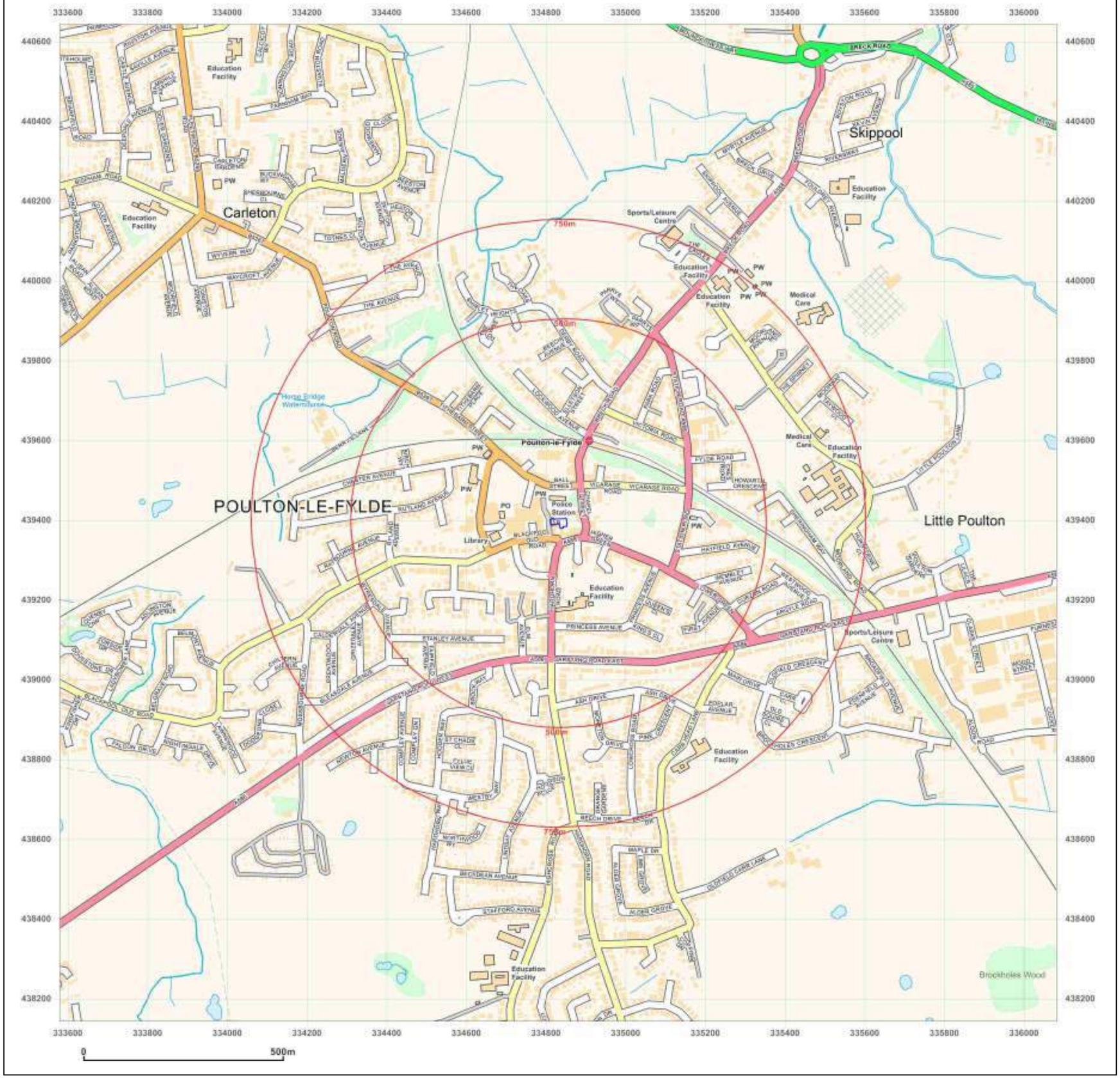

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **2019**
Scale: 1:10,000
Printed at: 1:10,000

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2019

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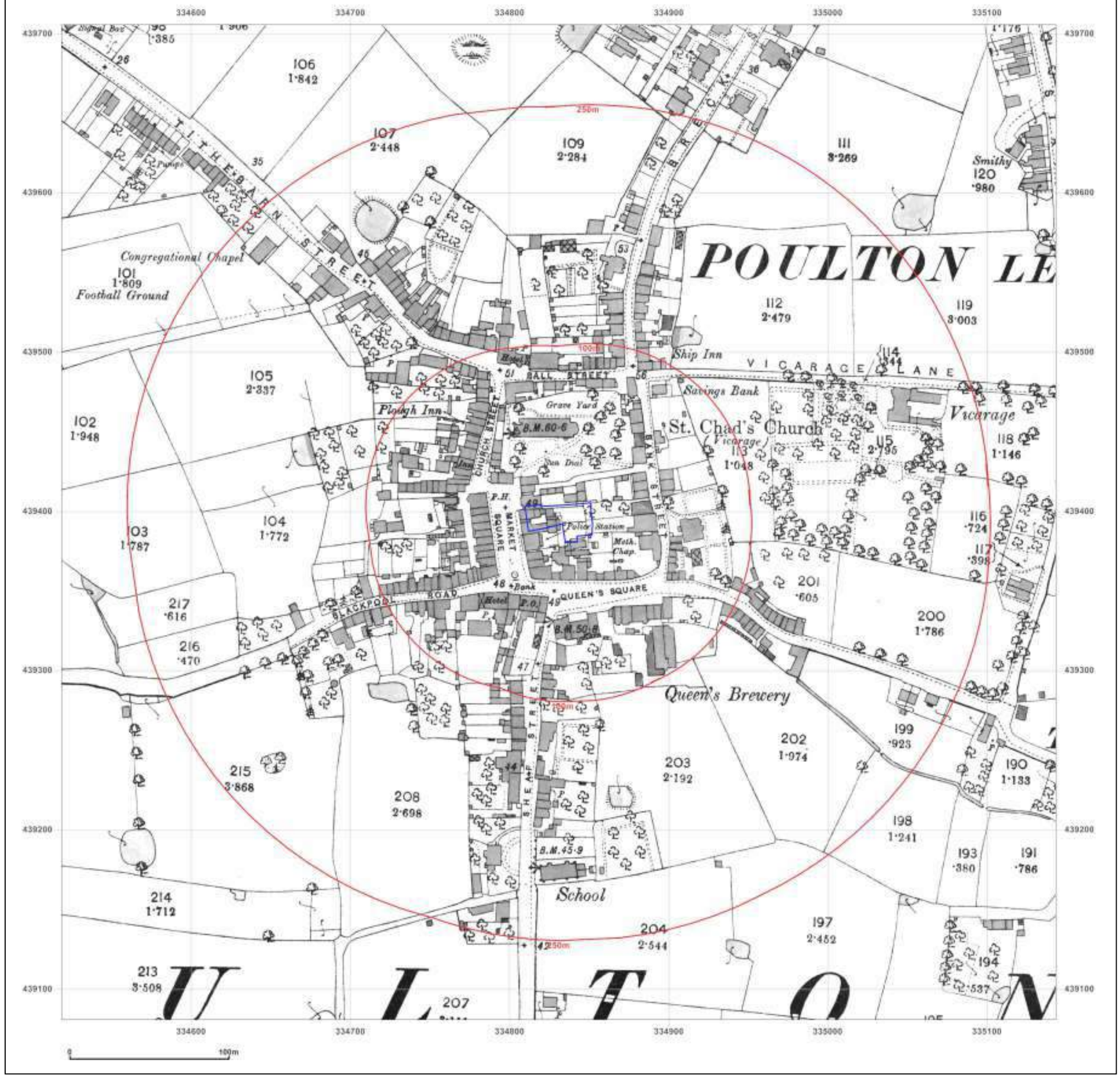
LARGE SCALE SURVEY PLANS



CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: County Series

Map date: **1891**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

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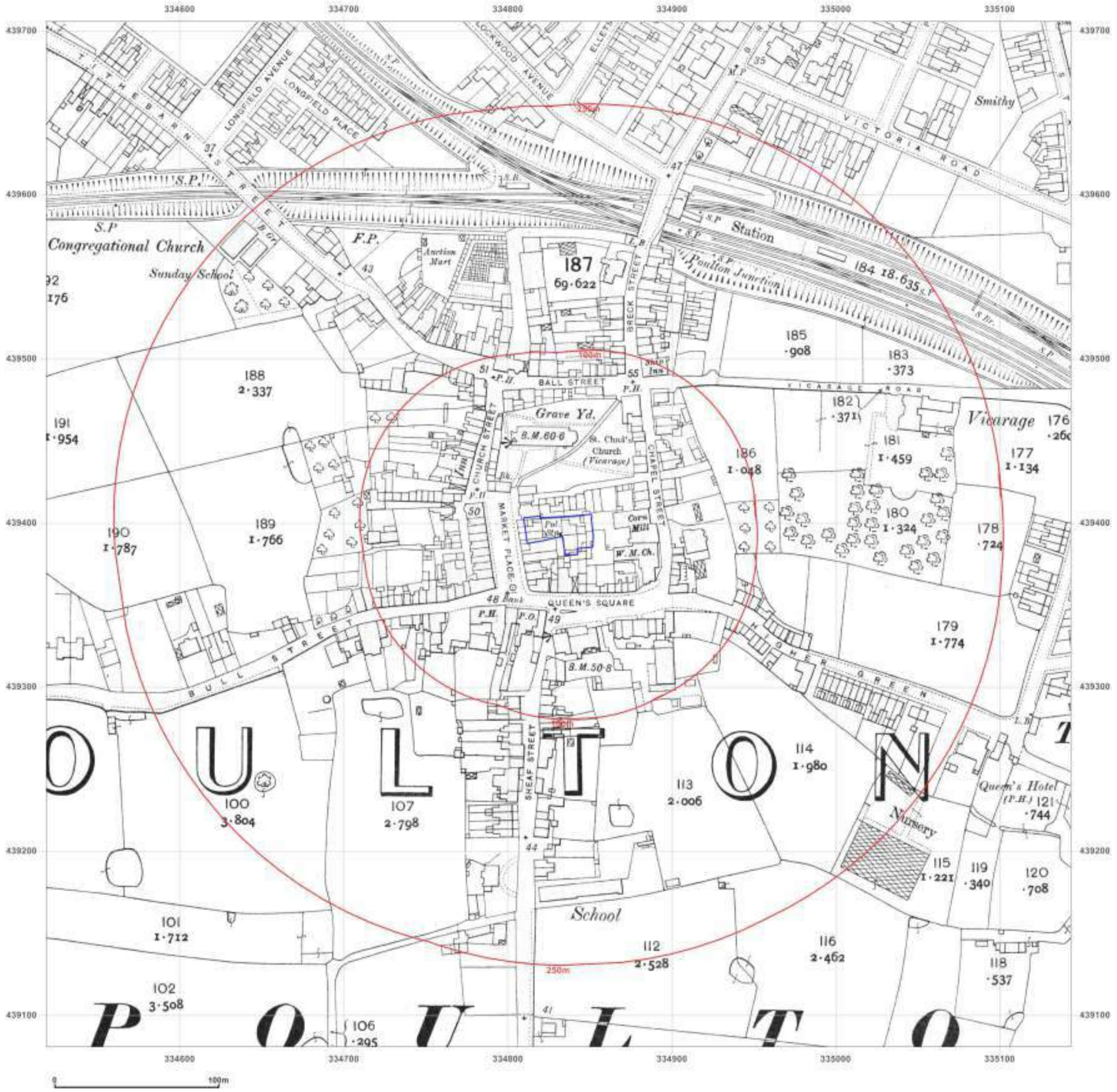

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: County Series
Map date: **1912**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1912
Revised 1912
Edition N/A
Copyright N/A
Levelled N/A

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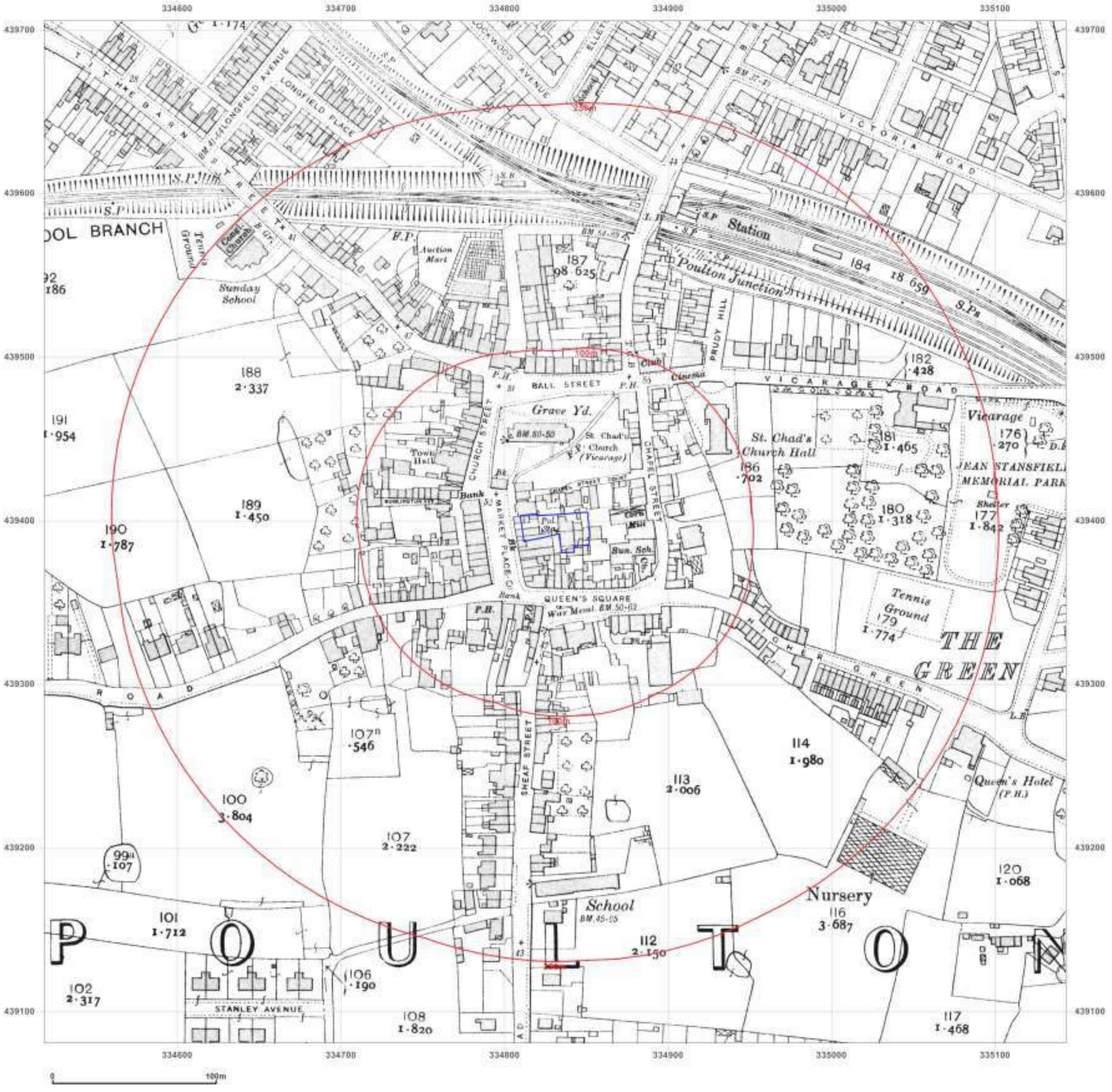

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FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: County Series

Map date: **1932**

Scale: 1:2,500

Printed at: 1:2,500

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

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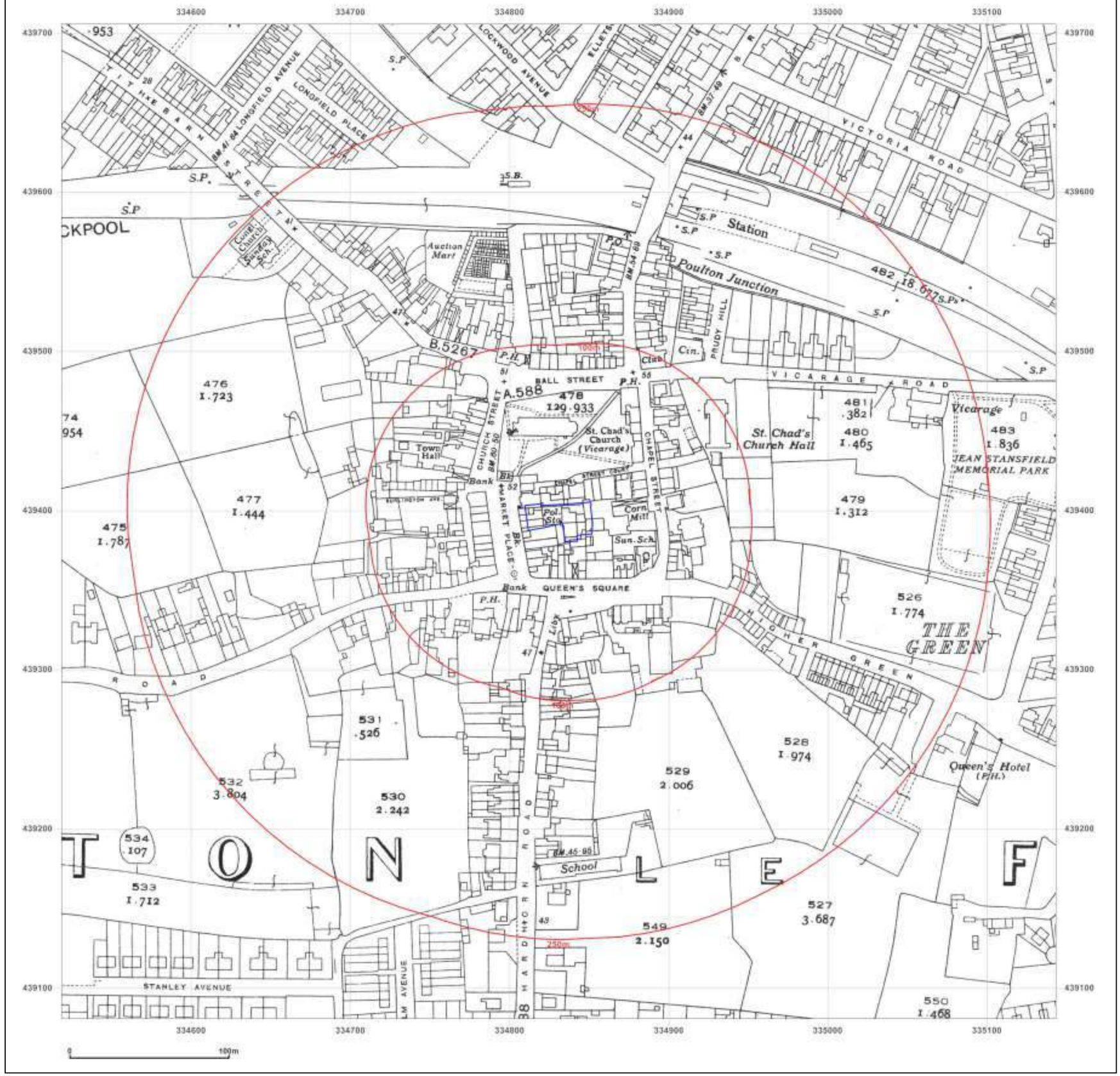

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FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: County Series
Map date: **1937**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1937
Revised 1937
Edition N/A
Copyright N/A
Levelled N/A

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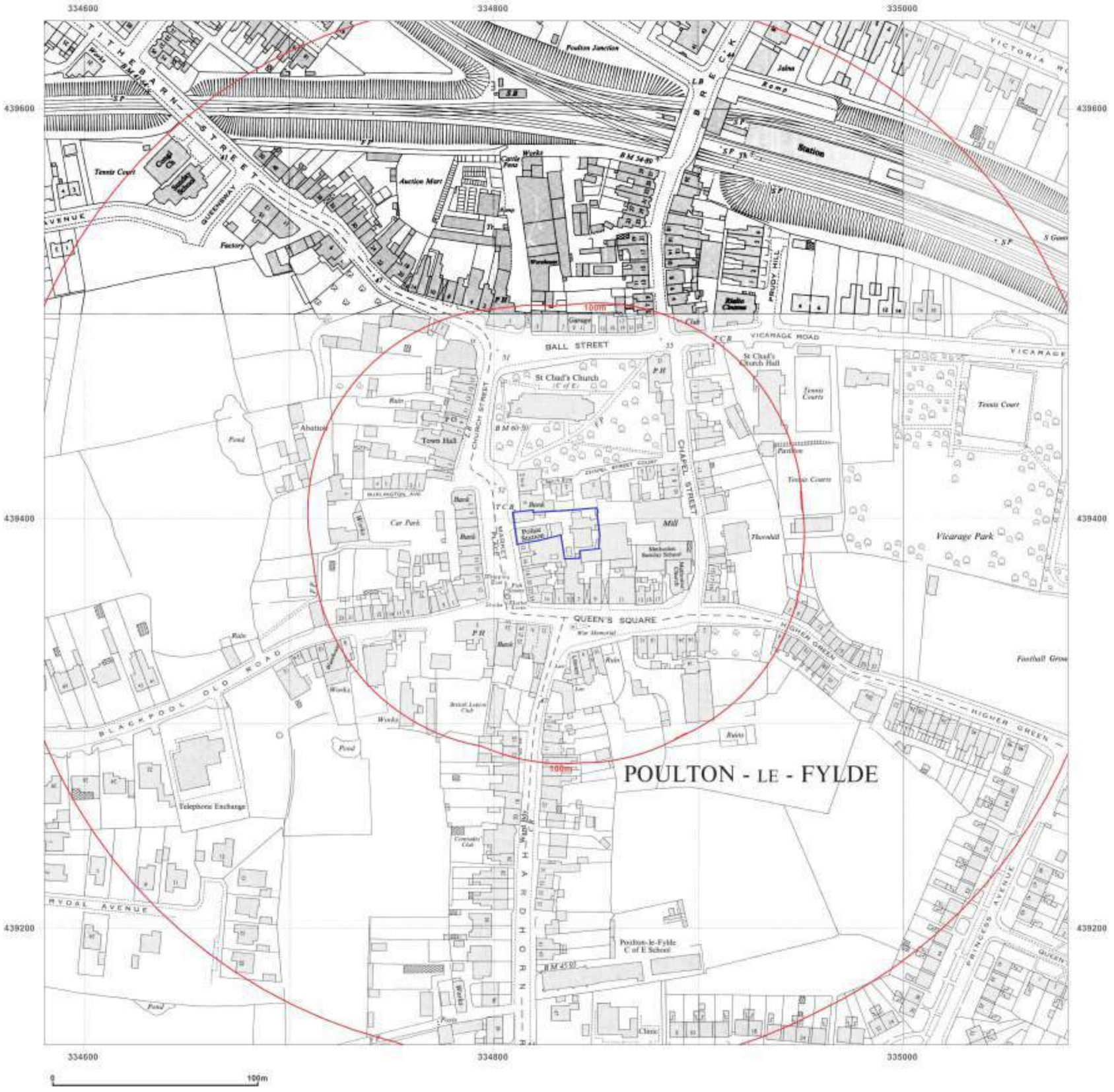

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FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1960-1961**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1959 Revised 1959 Edition N/A Copyright 1960 Levelled 1930
Surveyed 1960 Revised 1960 Edition N/A Copyright 1961 Levelled 1930	Surveyed 1959 Revised 1959 Edition N/A Copyright 1960 Levelled 1930

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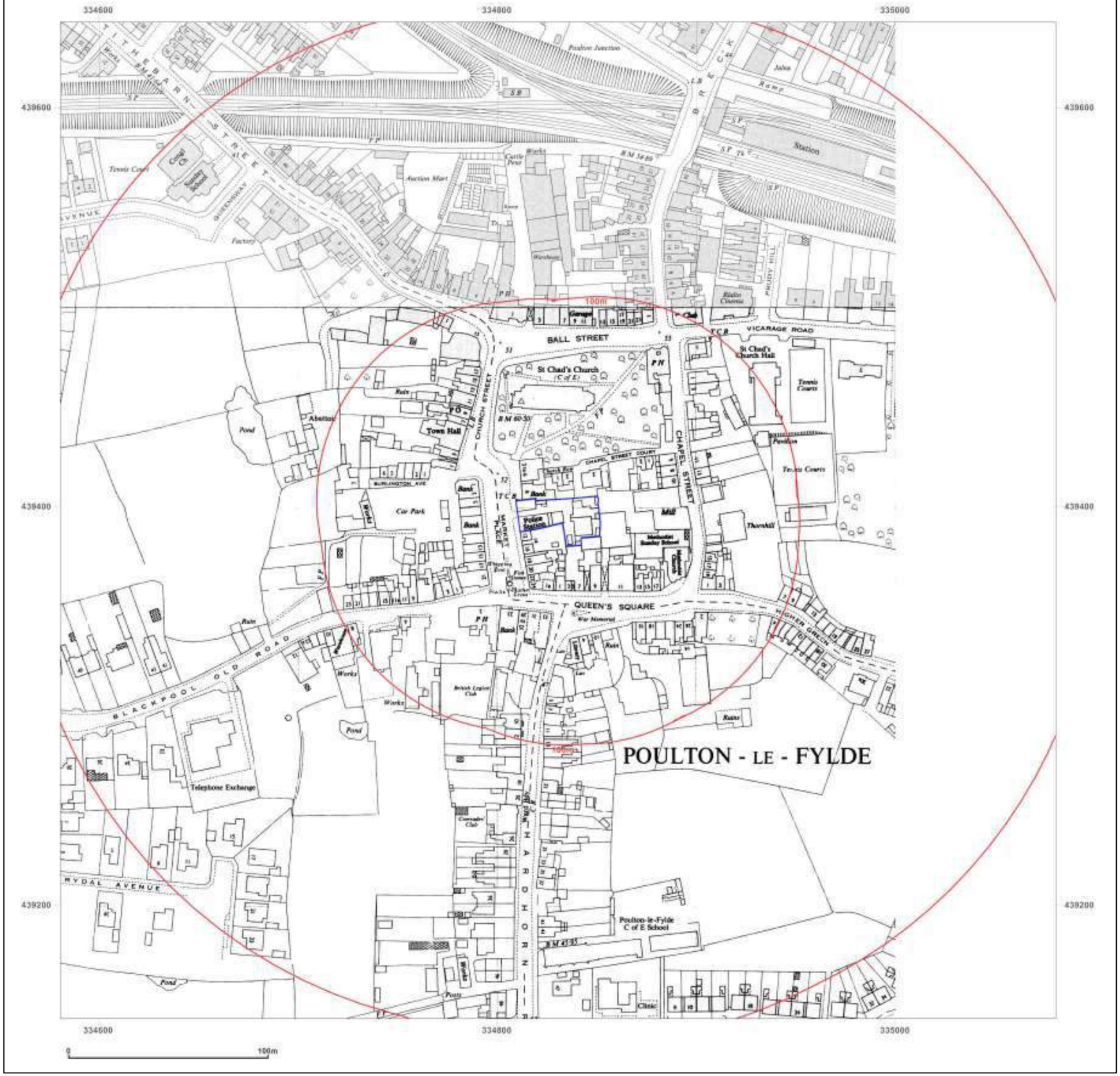

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FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1961**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1960
Revised 1960
Edition N/A
Copyright 1961
Levelled 1930

Surveyed 1960
Revised N/A
Edition N/A
Copyright 1961
Levelled 1930

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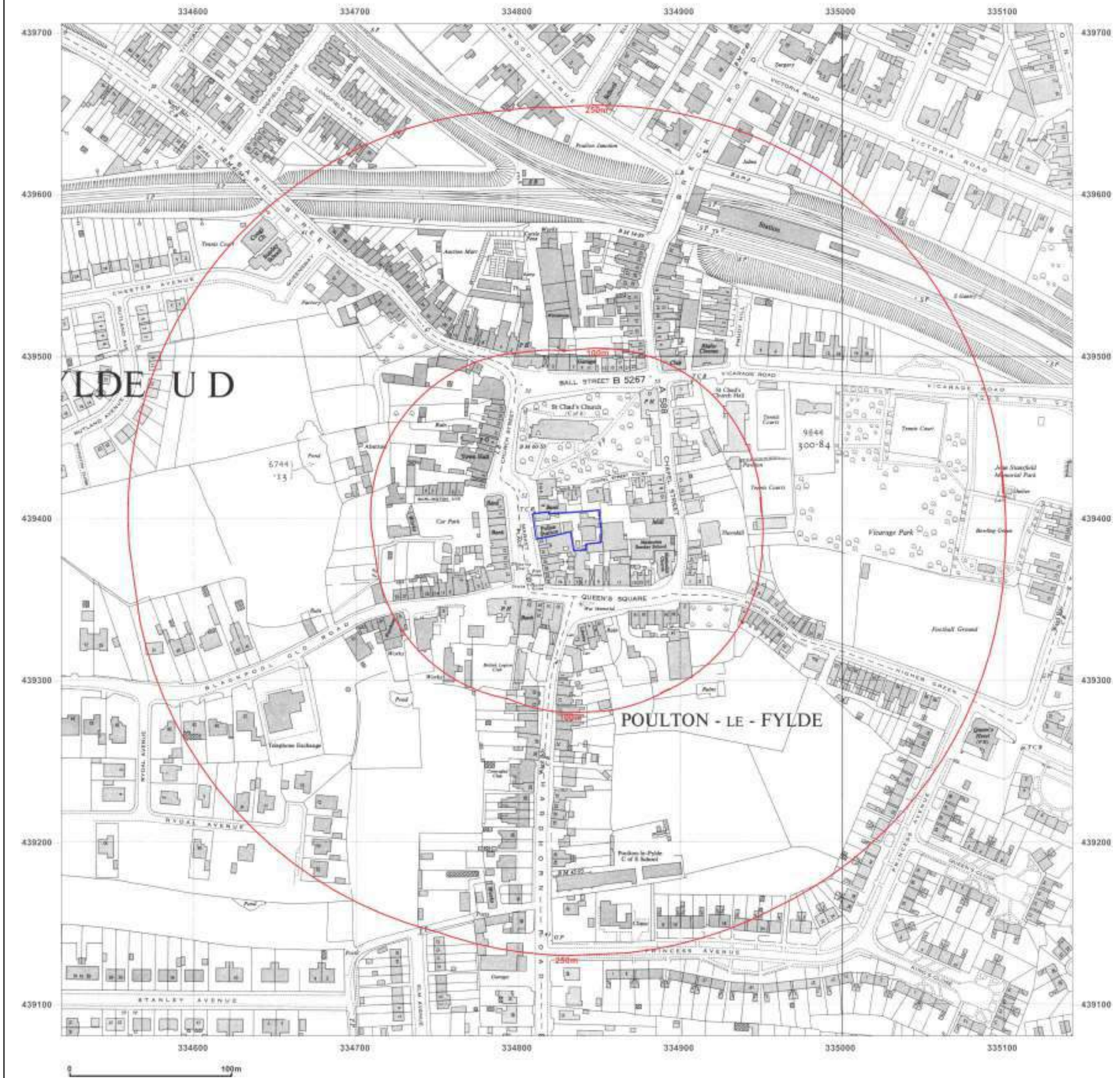

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1961**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1960
Revised 1960
Edition 1961
Copyright 1961
Levelled 1930

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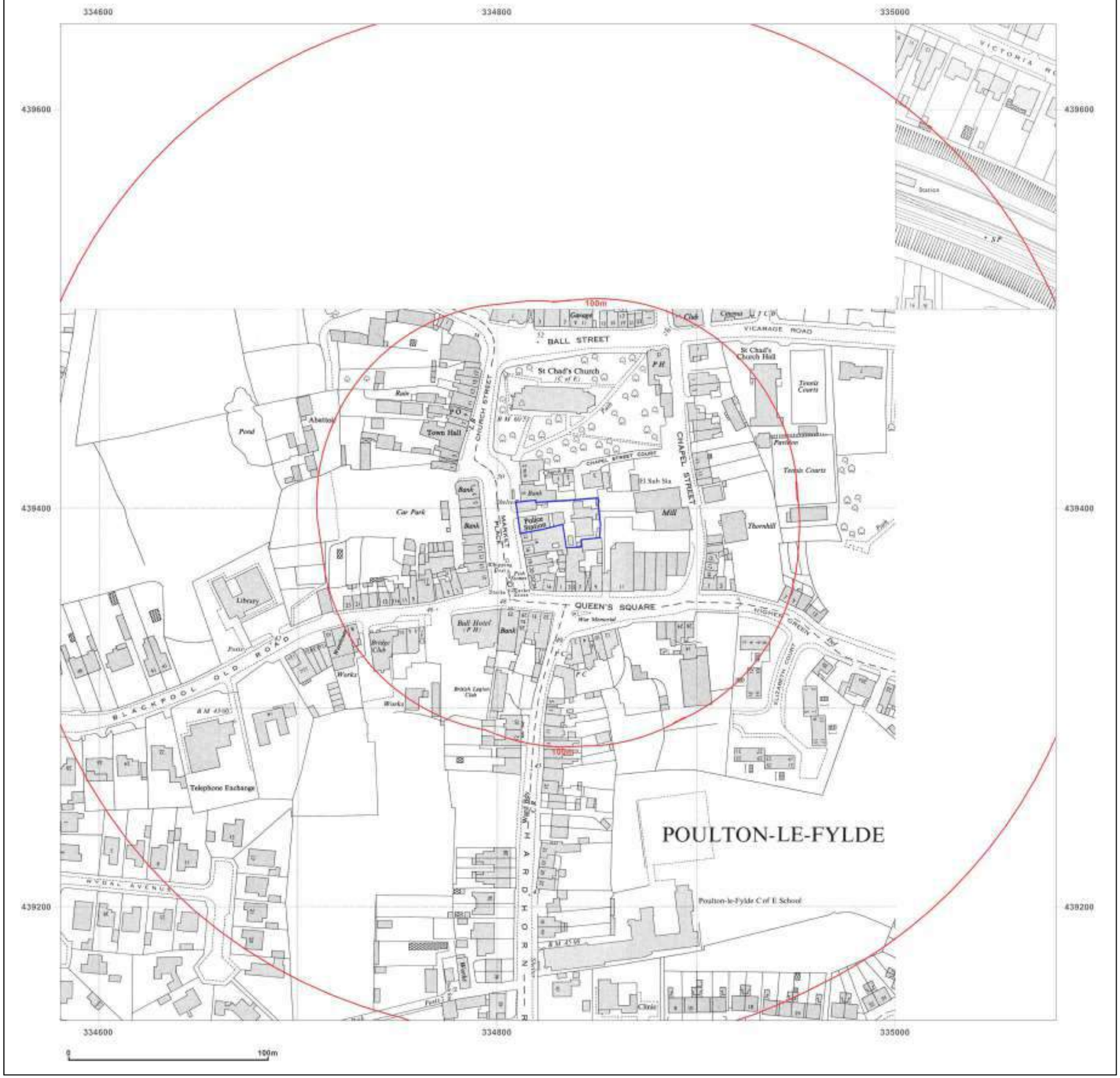

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **1967-1970**
Scale: 1:1,250
Printed at: 1:2,000

N
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Surveyed 1959
Revised 1969
Edition N/A
Copyright 1970
Levelled 1960

Surveyed 1967
Revised 1967
Edition N/A
Copyright 1967
Levelled 1960

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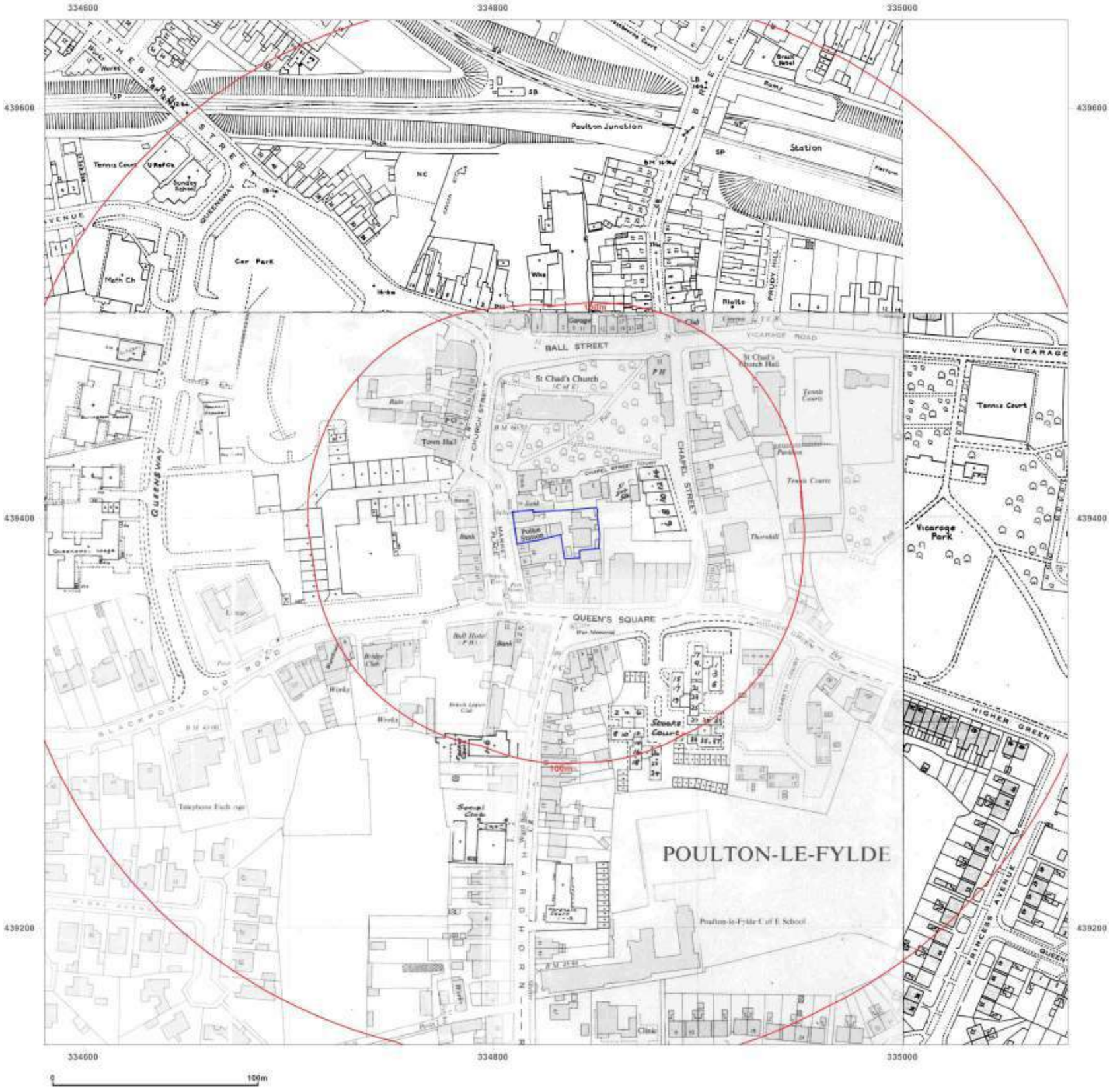

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1977-1981**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1981
Levelled 1960

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

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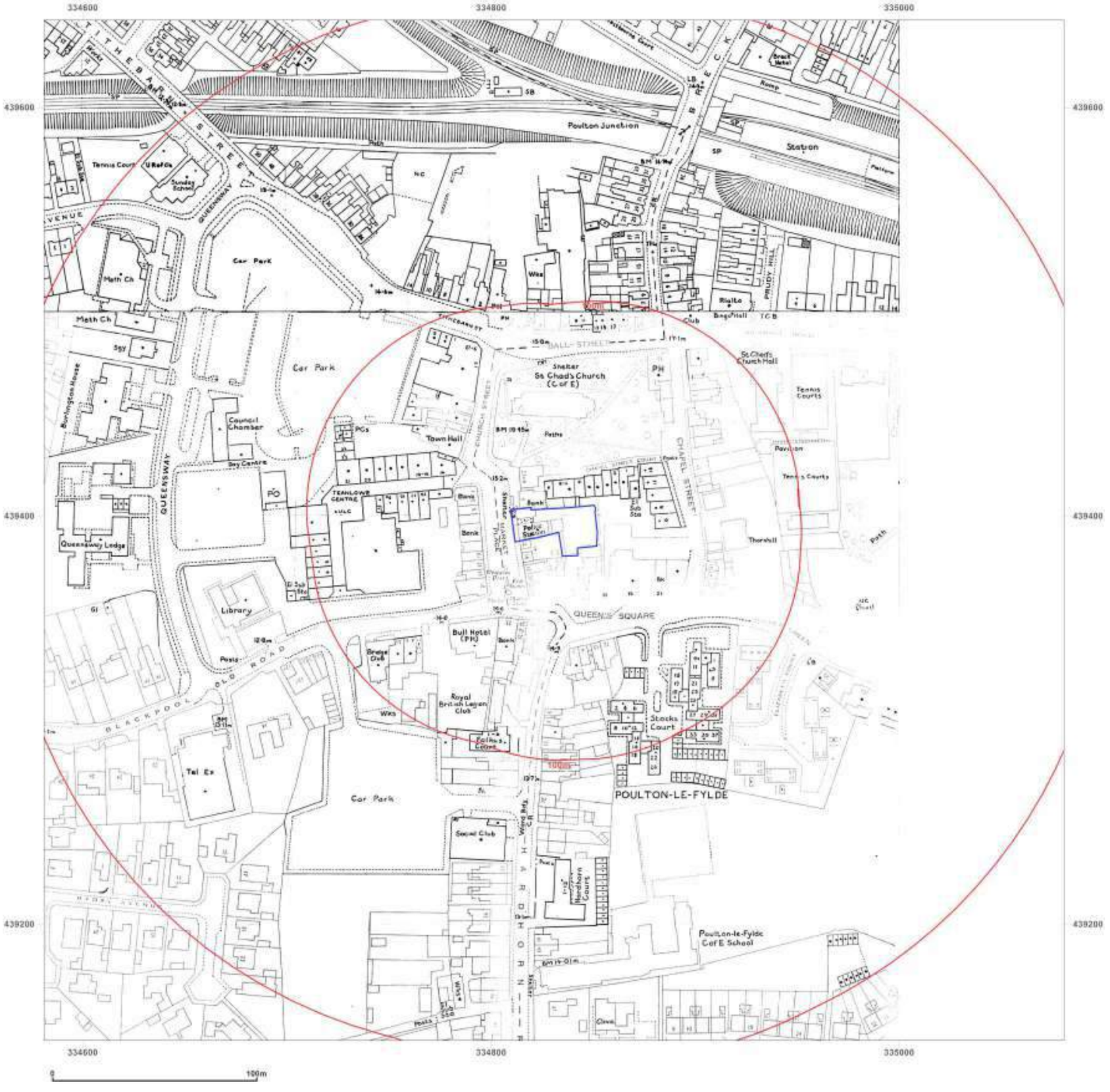

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1983-1985**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1960
Revised 1985
Edition N/A
Copyright 1985
Levelled 1960

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1983
Levelled 1960

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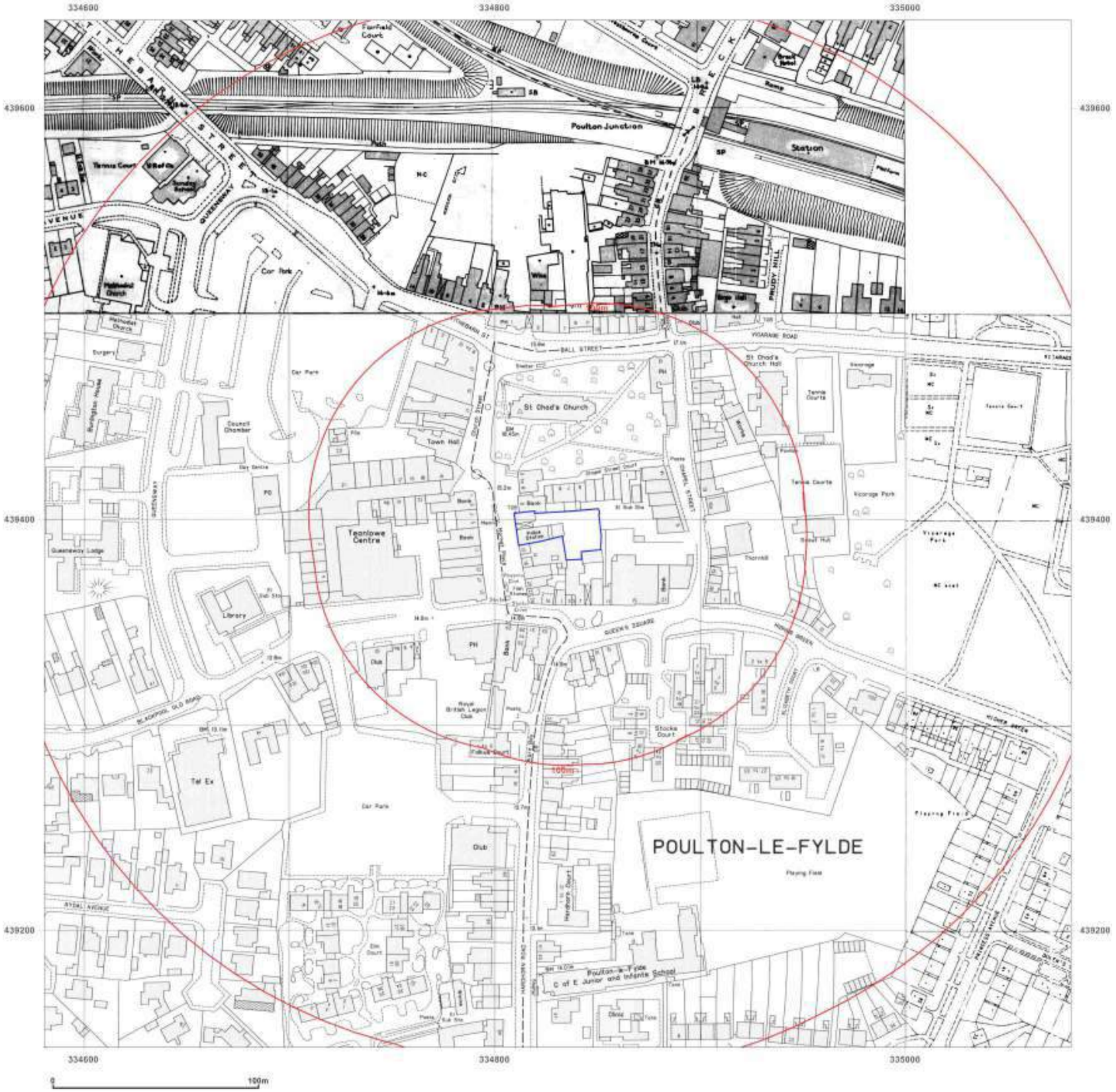

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1987-1992**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1960
Revised 1988
Edition N/A
Copyright 1988
Levelled 1960

Surveyed 1960 Revised 1986 Edition N/A Copyright 1987 Levelled 1960	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

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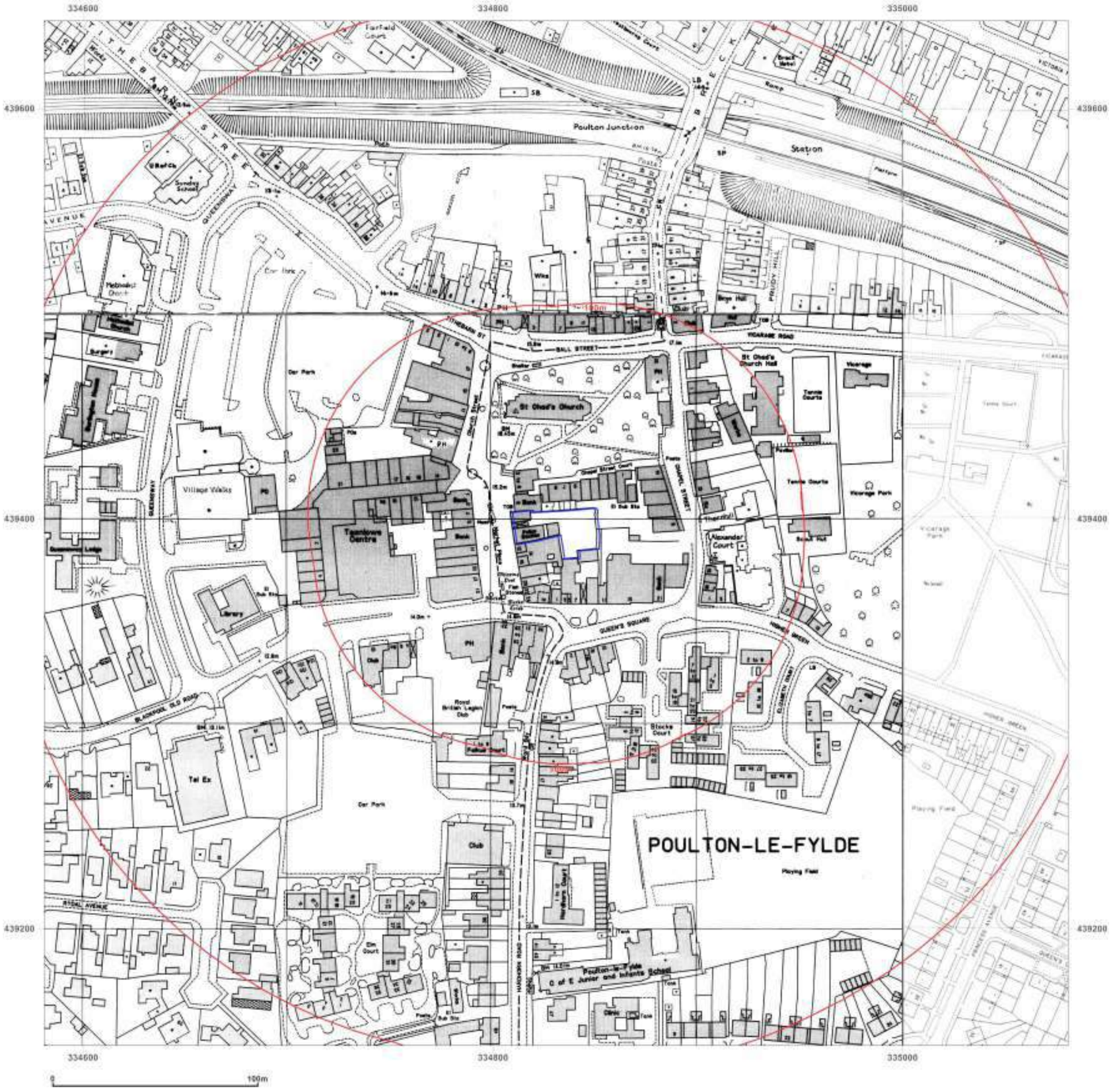

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1988-1993**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1960 Revised 1992 Edition N/A Copyright 1992 Levelled 1960	Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A
Surveyed 1960 Revised 1988 Edition N/A Copyright 1988 Levelled 1960	Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A

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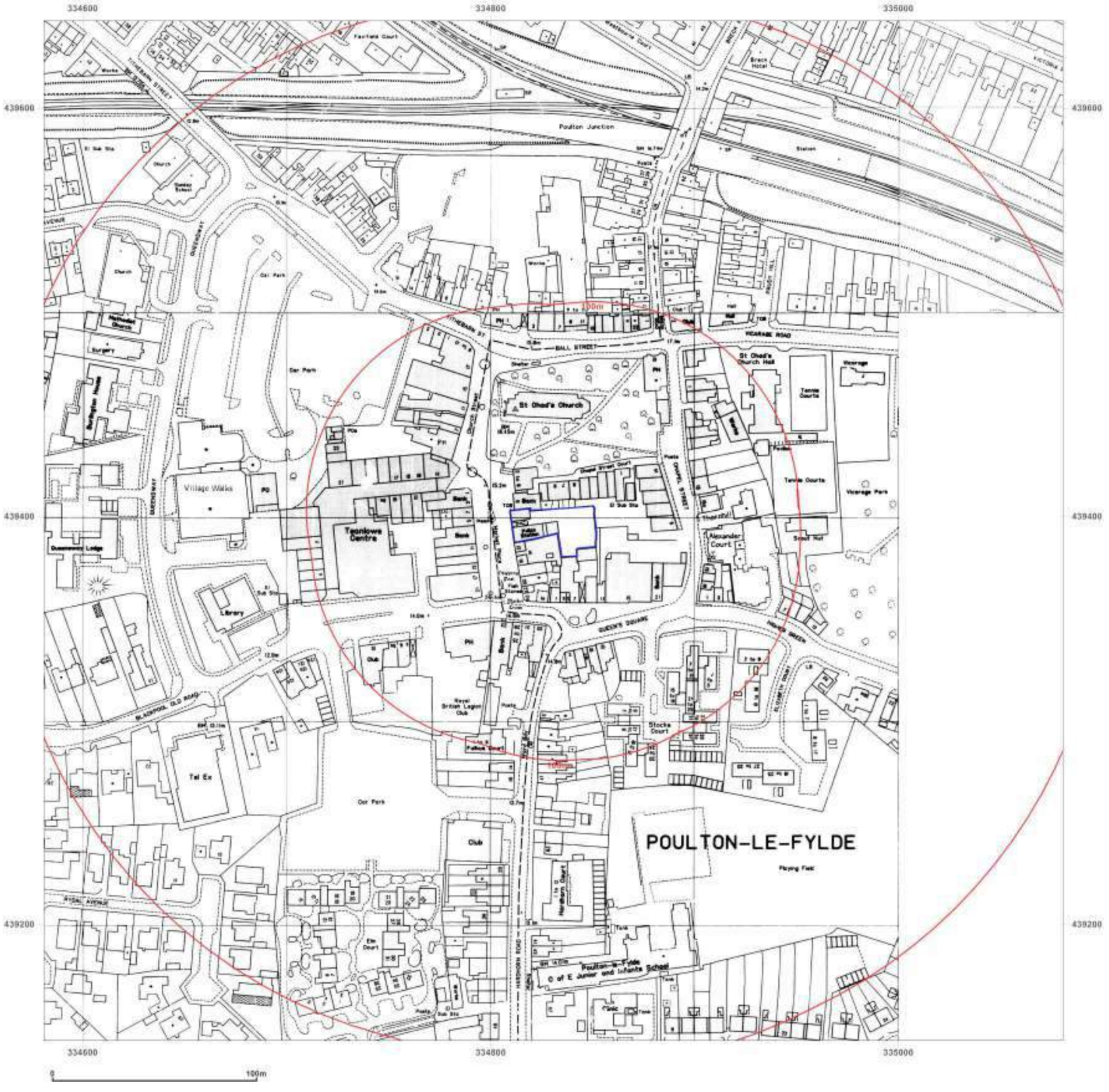

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid
Map date: **1991-1994**
Scale: 1:1,250
Printed at: 1:2,000

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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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

Surveyed N/A
Revised 1991
Edition 1991
Copyright 1988
Levelled 1960

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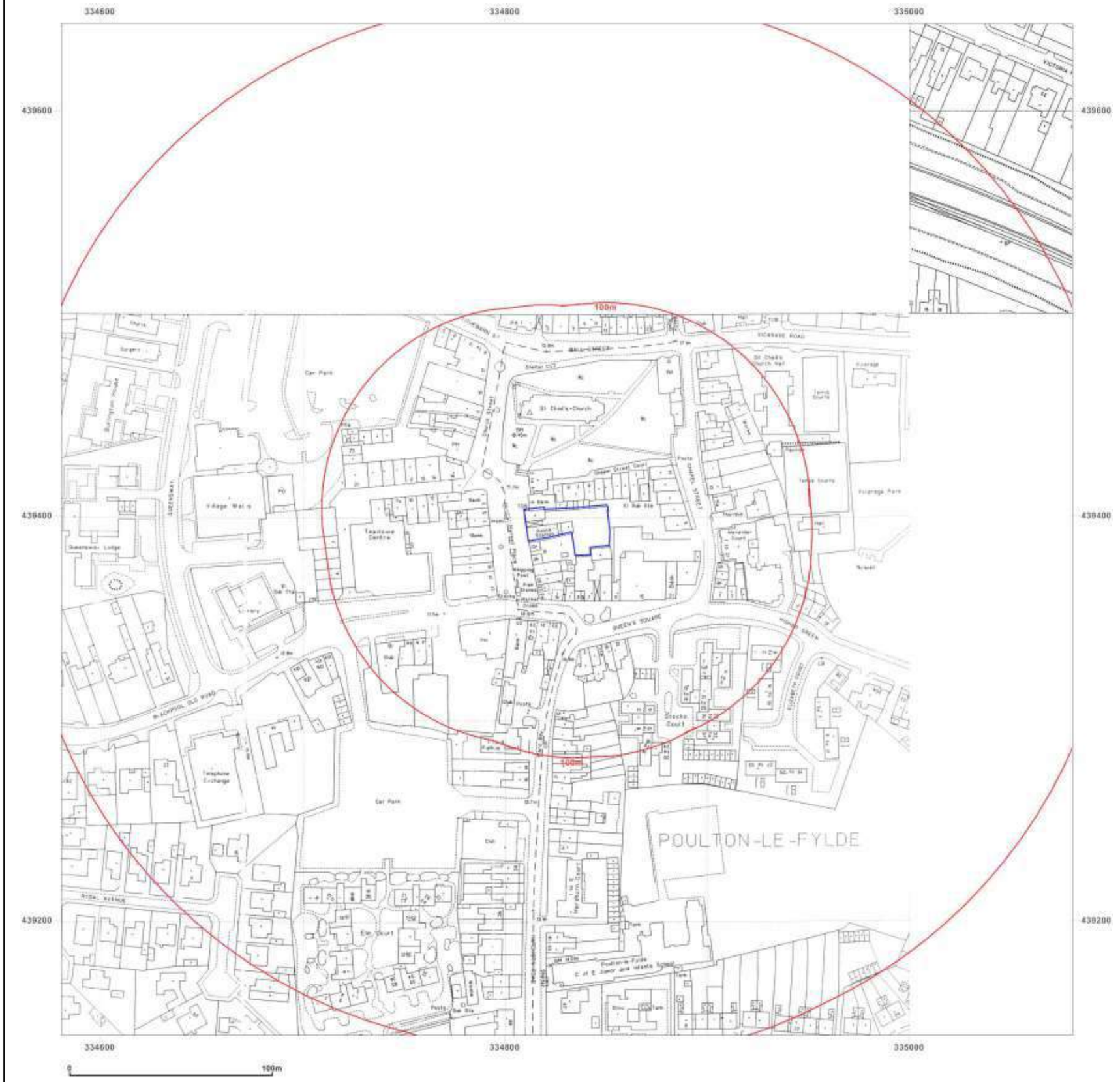

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:1,250

Printed at: 1:2,000

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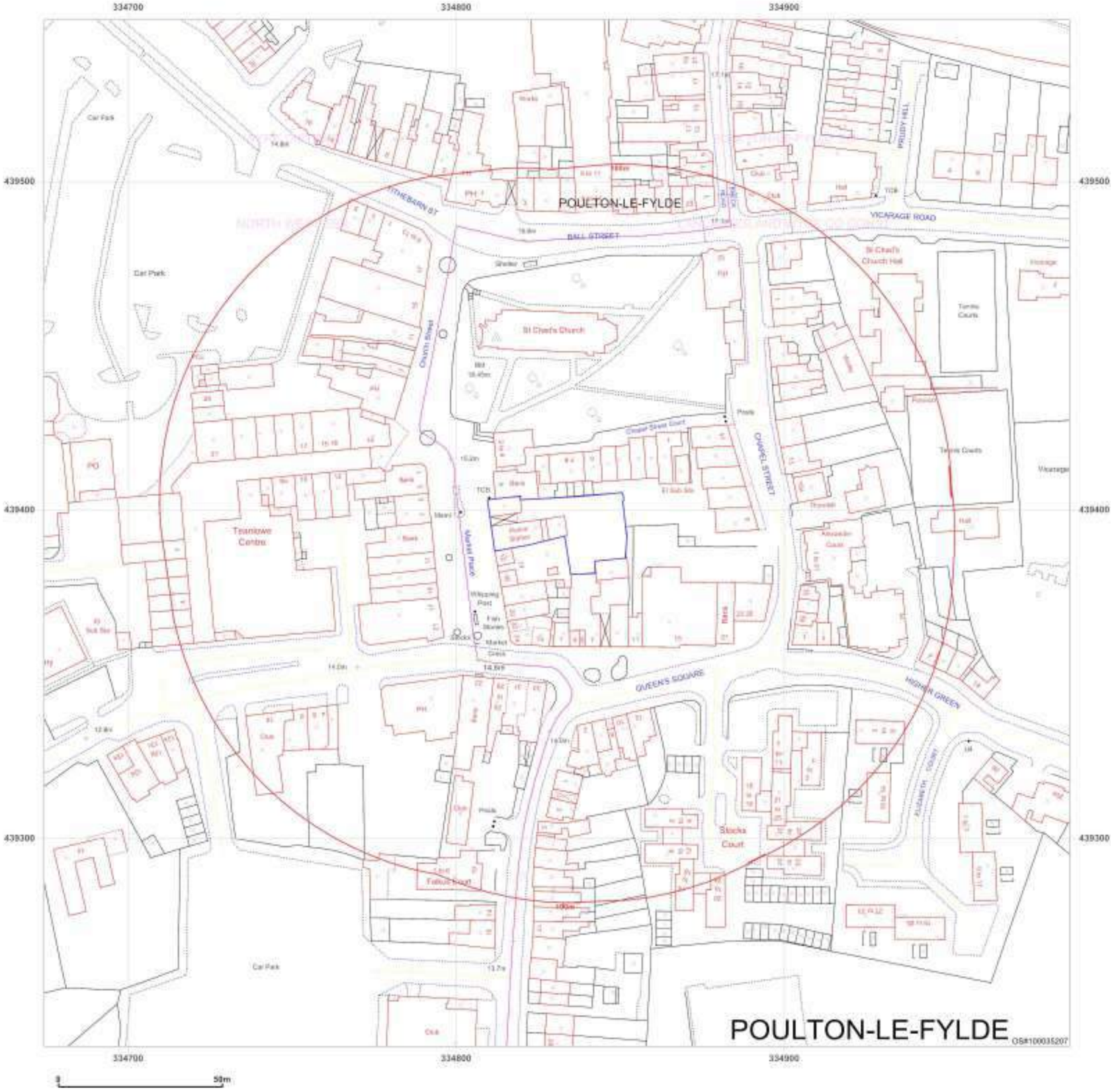

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Former Police Station, Market Place, Poulton-Le-Fylde, FY6 7AS

Client Ref: 4199
Report Ref: CMAPS-CM-836398-4199-231019HIS
Grid Ref: 334831, 439393

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

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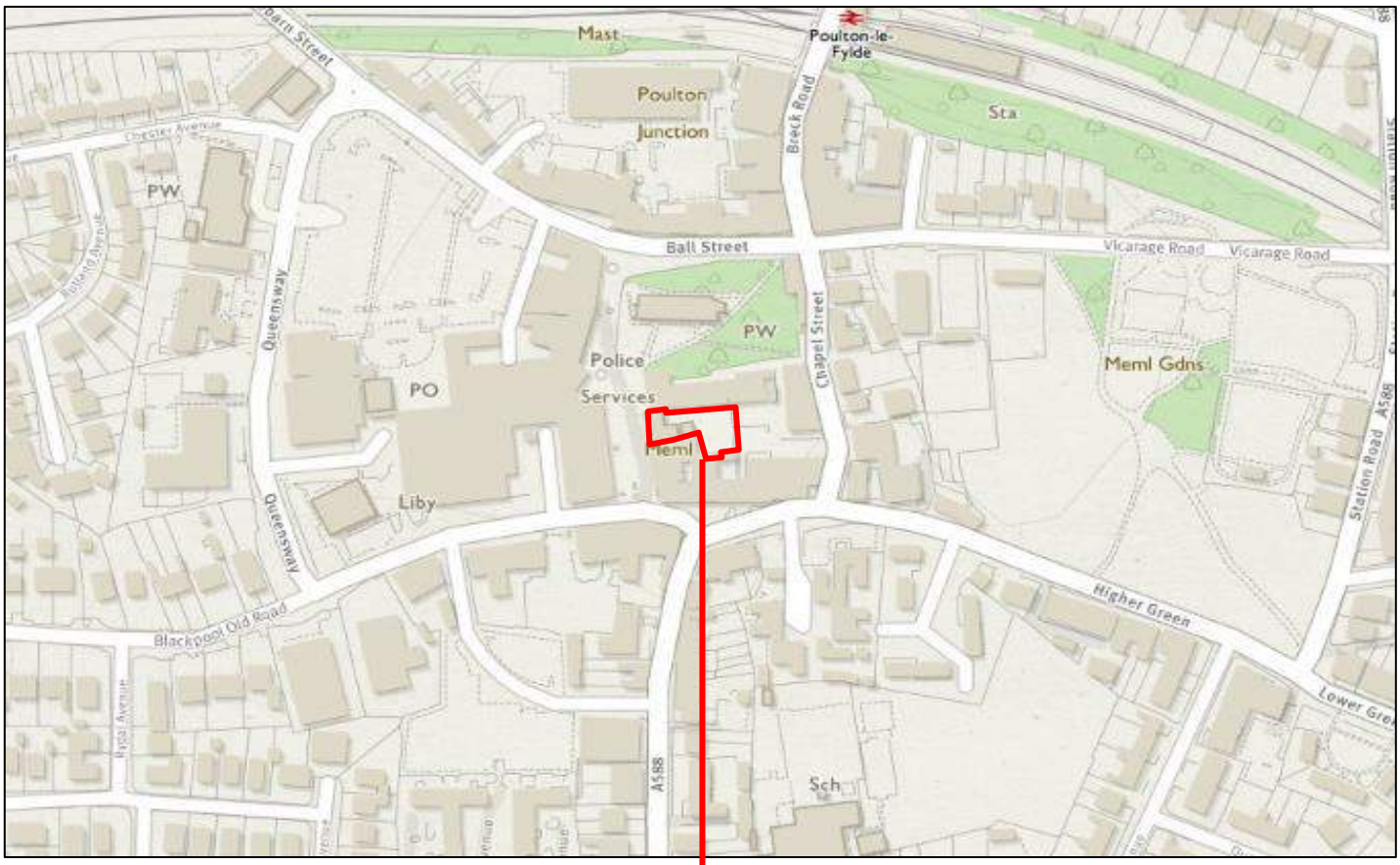
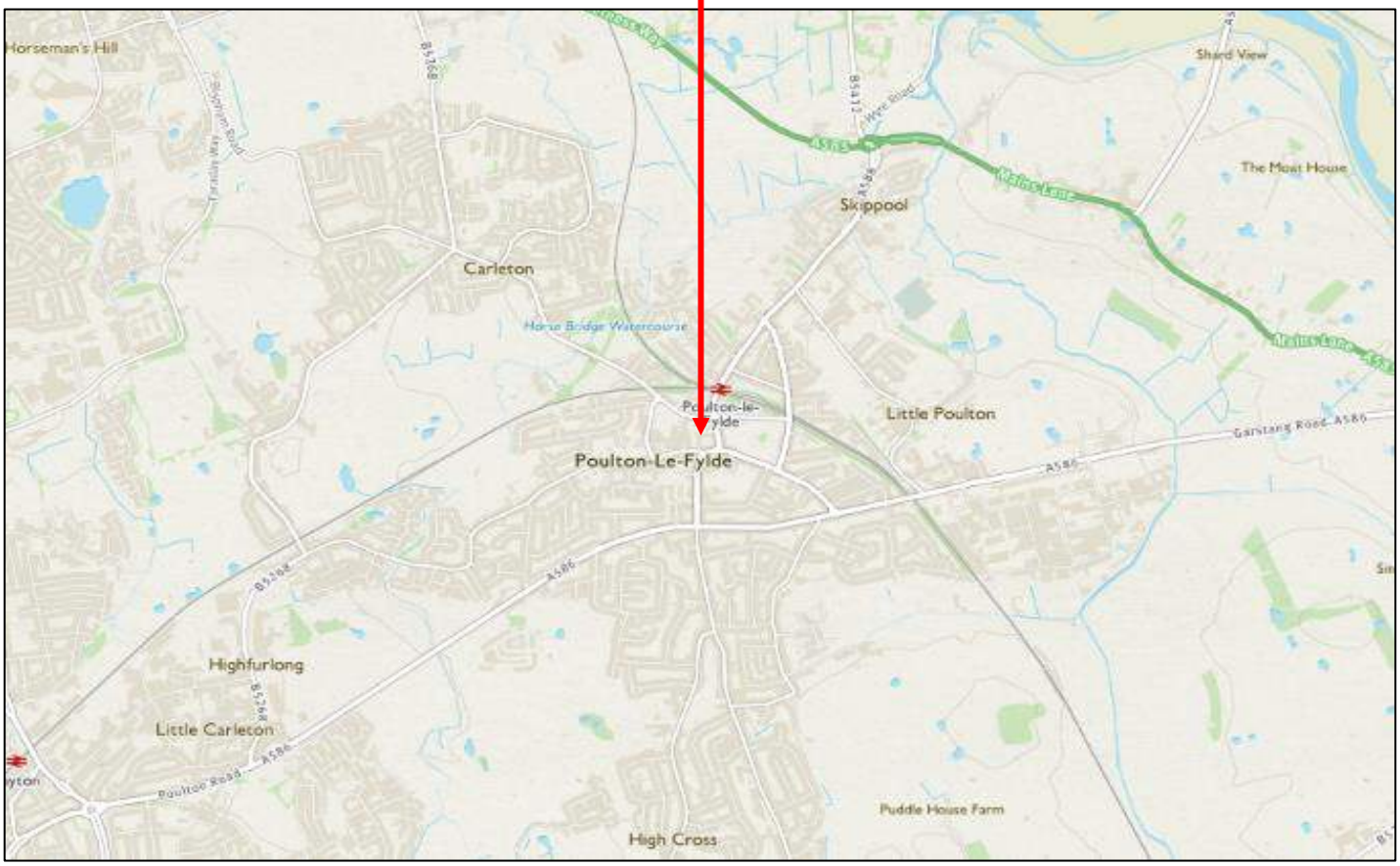
FIGURES

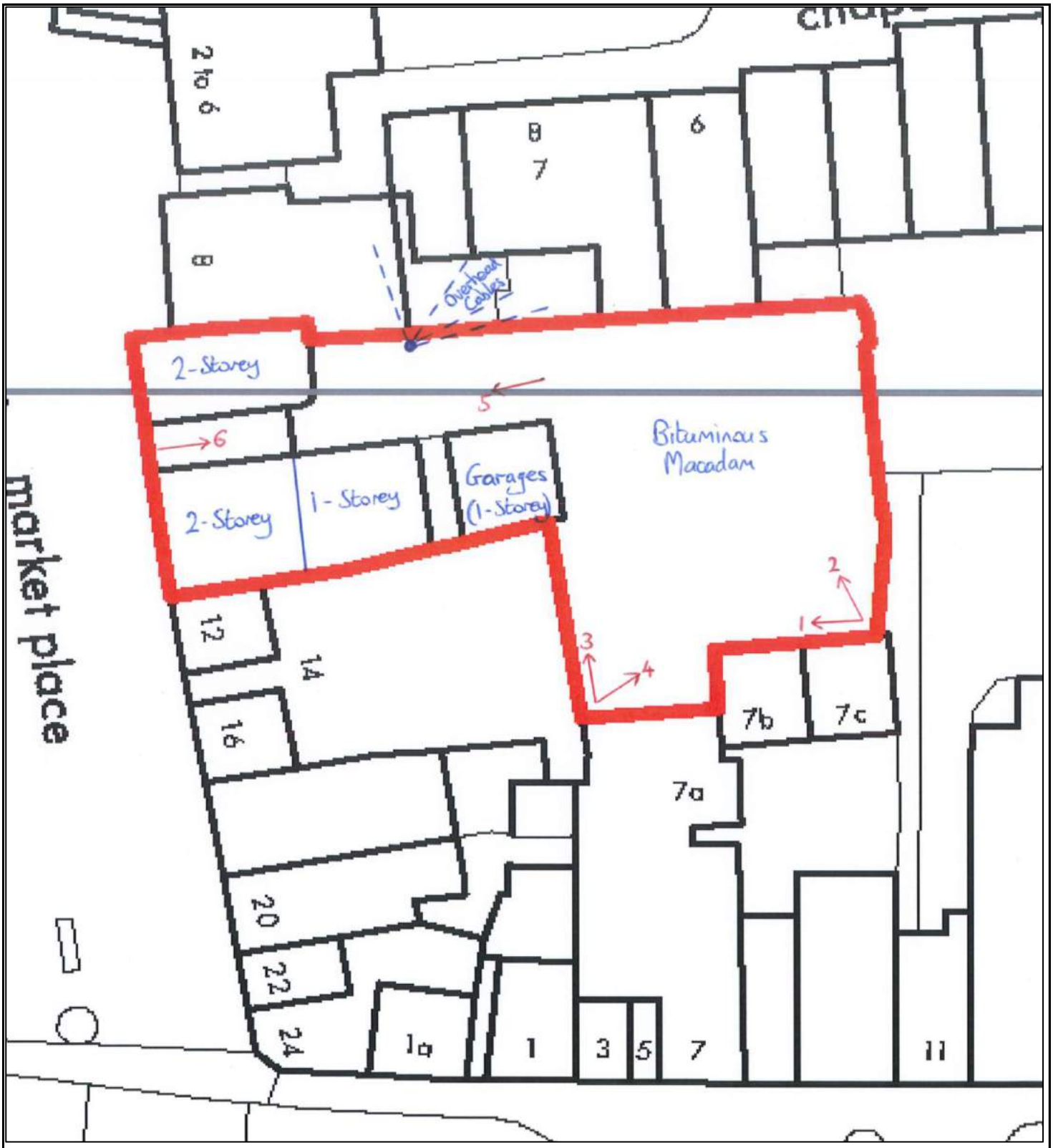




SUB SURFACE
SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Site Location Plan

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
FORMER POLICE STATION, MARKET PLACE, POULTON-LE-FYLDE, LANCASHIRE	30-Oct-19		N	6859
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
CHOICE HOTELS LIMITED	MSB		_	1



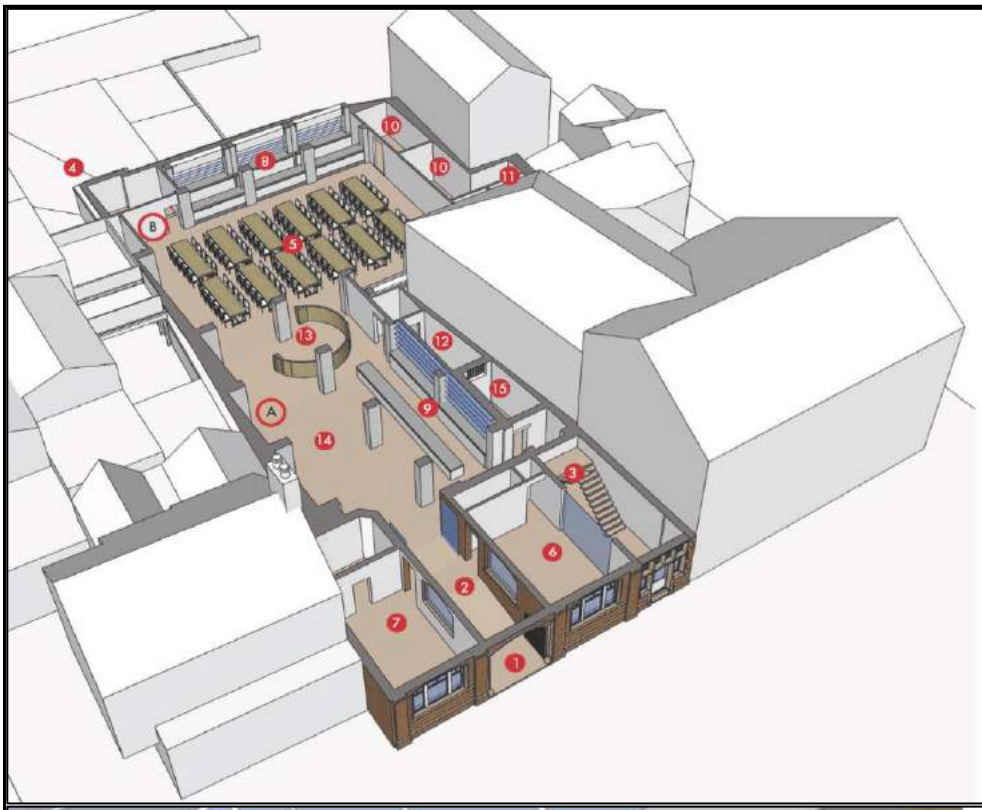
SUB SURFACE

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Site Plan / Walkover Photo Locations

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
FORMER POLICE STATION, MARKET PLACE, POULTON-LE-FYLDE, LANCASHIRE	30-Oct-19		N	6859
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
CHOICE HOTELS LIMITED	MSB		_	2



initial concept - 3D plan

KEY

1. Main pedestrian thoroughfare/entrance from street
2. Cafe/deli entrance off pedestrian thoroughfare
3. Staircase to first floor of existing station
4. External service entrance
5. Dining Area - 120 covers
6. Cafe
7. Deli
8. Stalls for vendors - 5 no. 12 sq.m stalls
9. Bar - length 9m
10. Male/Female WCs
11. Baby Change/Accessible WC - (partly concealed)
12. Bar Store
13. Children's play
14. Bar/cafe seating
15. Cell - retained in situ

Ground Floor Area
- 646 sq.m

initial concept - 3D Views

IMAGE LEFT - view from marker 'A' on 3D plan

- looking from the bar area through to the main dining area
- children's play enclosure in foreground
- colonnade creating a feature within the open plan arrangement
- roof lantern above the space adding light/height to the enclosed site

IMAGE RIGHT - view from marker 'B' on 3D plan

- view of the main dining area
- stalls to the perimeter of the space
- roof lantern central to the dining area maximising light/height

SUB SURFACE
SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS
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Proposed Development

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
FORMER POLICE STATION, MARKET PLACE, POULTON-LE-FYLDE, LANCASHIRE	30-Oct-19			6859
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
CHOICE HOTELS LIMITED	MSB		_	3