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Phase I Preliminary Risk Assessment

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SUTCLIFFE INVESTIGATIONS

Phase I Preliminary Risk Assessment

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Executive Summary

Introduction	Sutcliffe Investigations were instructed by Knowsley Council to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Huyton Village, as part of the Huyton Village Masterplan Development Scheme.
Aims & Objectives	The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning. This report constitutes a preliminary investigation as defined in BS10175 and contains the following: • Summary of the information obtained from an Envirocheck Report (<i>Report Reference: 184912051</i>), which is presented in <i>Appendix A</i>. • A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of CLR11 and their recommendations on contamination reports.
Development Plans	The proposed development for the site is for a mix of commercial, leisure, office and residential developments to be designed and coordinated as one development scheme which is part of the Huyton Village Masterplan, creating new developments and transport links for the centre of Huyton.
Site Location & Description	The site address is located at Huyton Village, Liverpool, L36 9GD at National Grid Reference (NGR) 344180, 390840 (Figure 1). The site is approximately 9.52km east from Liverpool City Centre and is surrounded by residential and commercial properties. The site is irregular in shape and consists of several buildings, including Knowsley Council offices, Huyton Library and a public venue building. There are also several car parks within the site, permitted, pay and display and also an electric car charging station and taxi rank. The buildings are predominantly brick built and a combination of 2-8 storeys, with potential basements. The site has varying levels although is generally relatively flat, predominantly hardstanding with a few small areas of vegetation and soft landscaping with trees noted across the site. Access across the site is generally open and unrestricted with some pedestrian access to the north and east and vehicle access to the south, west and north east. Evidence of services is noted across site in the form of manholes and street lighting, as well as an electricity substation to the south. A petrol station is located adjacent to the west of the site with access to it running through the site.
Site History	Onsite – The earliest available historical map (1850) indicated that the site was largely under agricultural usage with no development noted on site. From 1892 large residential properties were identified on maps to the southern section of the site and a single property to the north of the site. Additional residential buildings were identified over time. A school was noted from 1952/1958 to 1967 when the residential buildings on site were noted as Municipal Offices, as well as a new large building occupying the centre of the site which was also noted as a Municipal Office. The site was redeveloped in 1976 with the Municipal Offices and the configuration of buildings on site changed. Several of these buildings were then demolished circa 1985. A library was then identified on the south west of the site in 1999 and no further significant changes have been identified until the present day. The remainder of the site is allocated car parking for the council and public. With the exception of made ground potentially being present on site, together with potential relic foundations and basements, no significant identifiable sources of environmental concern were identified. The potential for significant

	contamination to have arisen at the site as a result of the current and former usage on site is considered to be low. However, the possibility of contamination albeit likely to be localised cannot be discounted. Offsite - The earliest historical map dated 1850 indicated that the surrounding area of the site was largely under agricultural usage with small amounts of development identified in the surrounding area, noted on maps as Huyton. A railway line (90m S) and sandstone quarry (880m SW) are also noted. From 1892 there was a large increase in residential development, particularly to the east and south. An increase in light industrial development in the wider surrounding area was noted from 1908-1909. Further increases in residential development were identified circa 1938 and circa 1950. From 1955/1956 a surface water feature, associated with the River Alt was identified (500m NE), most likely to be a drain. With the exception of progressive residential and commercial development no other significant changes were identified on maps dated until 2018. However it is noted from a site inspection that a petrol station is located directly adjacent to the west of the site.
Geotechnical Uncertainty	The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.
Geology	Artificial - There are no records of any artificial ground onsite or within 500m of the site. Drift - The superficial deposits for the site are noted as Devensian Till. Solid - The solid geology for the site is noted as being Chester Formation and Wilmslow Sandstone Formation – Sandstone.
Hydrogeology	The Bedrock is classified as a Principal Aquifer with the Superficial Deposits classified as a Secondary (undifferentiated) Aquifer. There is 1 groundwater abstraction point listed in the Envirocheck Report within 2000m of the site, located 1283m east of the site.
Faults	One fault is noted on site, striking the site from east to west. There is also 1 fault within 500m of the site, located 20m east of the site. Foundation design needs to mitigate the risk associated with possible differential movement.
Radon	According to the Envirocheck Report, the site is not within a radon affected area, as <1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.
Coal Mining	The site is within a coal mining area, however there are no significant features of concern within the Coal Authority Report and therefore no further action is required.
Hydrology	The nearest surface water feature within 250m of the site, is located 216m east of the site. No surface abstractions have been identified within 250m radius of the site
Risk Assessment	The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.

**Conclusions &
Recommendations**

Based on the findings of the Phase I review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:

- Submission of this Phase I PRA Report for the benefit of validating the outline planning application.
- Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.

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1 Introduction

1.1 Terms of Reference

Sutcliffe Investigations were instructed by Knowsley Council to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Huyton Village, as part of the Huyton Village Masterplan Development Scheme (*Figure 1*).

1.2 Proposed Development

The proposed development for the site is for a mix of commercial, leisure, office and residential developments to be designed and coordinated as one development scheme which is part of the Huyton Village Masterplan, creating new developments and transport links for the centre of Huyton.

A final proposed development plan is not available to date but some plans provided by Ainsley Gommon Architects for the development scheme are presented as *Drawing: Proposed Masterplan Layout Design*.

1.3 Legislative Context

The presence of contaminants which may pose a risk to human health and / or the environment is a planning consideration. As part of the planning regime it needs to be considered whether the site is “*suitable for its proposed end use*”. Planning is concerned with the site’s proposed end use, not its current use, where the amount of contamination is required to be low relative to the level of risk.

Section 57 of the Environment Act 1995, adds Part 2A (ss. 78A to 18YC) to the Environmental Protection Act 1990 and contains the legislative framework for identifying and dealing with contaminated land. Where development is undertaken on land which may be affected by contamination, the National Planning Policy Framework, paragraphs 120 to 122 considers pollution and remediation. This links the contaminated land regime within the development process.

For there to be a significant risk requiring further investigation a perceived source (contaminant), a receptor (humans, living organisms or property) and a pathway between them must all be present, resulting in a complete contaminant linkage.

In order to assess whether this is the case, background research is required to obtain relevant information about the site and its surroundings and to assess the findings qualitatively. The scope of the assessment examined whether there is the potential for current and historic soil and/or groundwater contamination to be present, both at and in the vicinity of the site, and to assess significance in terms of the potential to pose a risk to human health, controlled waters, building

infrastructure and the wider environment and identify any associated potential liabilities.

Part 2A of the Environmental Protection Act 1990 (“Part 2A”) provides the legislative framework for the contaminated land regime in England, Wales and Scotland. It provides for contaminated land to be identified and dealt with in a risk-based manner. The *Contaminated Land (England) Regulations 2006* (SI 2006/1380) set out provisions for procedural matters under Part 2A. The 2006 regulations have recently been modified with the introduction of *The Contaminated Land (England) (Amendment) Regulations 2012*, which came into force on 6th April 2012. This includes an amendment to Regulation 3(c) to take account of the updated definition of “controlled waters” in Section 78A(9) of the *Environmental Protection Act 1990*. Section 78A(2) of Part 2A of the EPA 1990 defines contaminated land as “land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled waters is being, or is likely to be caused”.

Contaminated Land Statutory Guidance published in April 2012 provides for a new four category test which is intended to clarify when land does or does not need to be remediated, where Category 1 is deemed as being high risk and Category 4 as being low risk.

1.4 Previous Studies

Sutcliffe’s are not aware any previous environmental or geotechnical investigations having been completed on site.

1.5 Objectives & Scope of Works

The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning.

This report will inform the study of any potential contaminated land issues to be identified, assessed and actioned and has been designed to provide sufficient information to satisfy the requirements of National Planning Policy Framework (NPPF) in order to satisfy the aims and objectives of the project.

The report will culminate in the presentation of a Preliminary Conceptual Site Model (CSM) and will include clear robust recommendations for any additional works. These works will be designed to fully assess and mitigate risks, development constraints and abnormalities that may be required in support of a detailed planning application and design of detailed foundation options.

This report constitutes a preliminary investigation as defined in BS10175 and contains the following:

- Summary of the information obtained from an Envirocheck Report (*Report Reference: 184912051*), which is presented in *Appendix A*.
- A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of CLR11 and their recommendations on contamination reports, i.e.:
 - *Department for Environment, Food and Rural Affairs and the Environment Agency, 2002. “Model procedures for the management of land contamination” (CLR11).*
 - *Environment Agency, March 2011, “Model Procedures for the Management of Land Contamination – GPLC3 – reporting Checklists”.*
- Recommendations for further investigation/actions if required.

The scope of works was to undertake a Phase I PRA using available information, and to place the site in its environmental context and has included the following:

- a review of available historic maps to determine the land-use history in the context of potentially contaminative activities;
- a review of environmental data relating to the site and its surroundings using a proprietary third-party environmental database;
- desk-based assessment of site geology, hydrogeology and hydrology from published mapping and web-based sources to determine the site’s environmental setting and sensitivity;
- a web-based search of the Environment Agency (EA) website and other freely available sources of information to identify any potential issues relating to the site and surrounding areas; and
- provision of a qualitative contaminated land risk assessment based on Source-Pathway-Receptor as per current best practice contained in CLR11¹.

A site inspection was undertaken by a Sutcliffe engineer – Kelly Davies, on the 6th November 2018. No sampling or testing of soils or waters will be undertaken as part of this environmental review. All other information in this report has been obtained via public sources.

¹ *Model Procedures for the Management of Contaminated Land*, Contaminated Land Report 11 (CLR11), EA, September 2004

2 Environmental Review

2.1 Introduction

The information presented within this chapter was compiled based on a site inspection, completed by a suitably qualified Sutcliffe Engineer, and a review of an Envirocheck Report (*Report Reference 184912051*), presented in *Appendix A*.

2.2 Site Location and Setting

The site address is located at Huyton Village, Liverpool, L36 9GD at National Grid Reference (NGR) 344180, 390840 (*Figure 1*).

The site is approximately 9.52km east from Liverpool City Centre and is surrounded by residential and commercial properties. Location plans of varying scales are presented as *Figures 1 & 2* and an Aerial Photograph is presented as *Figure 3*.

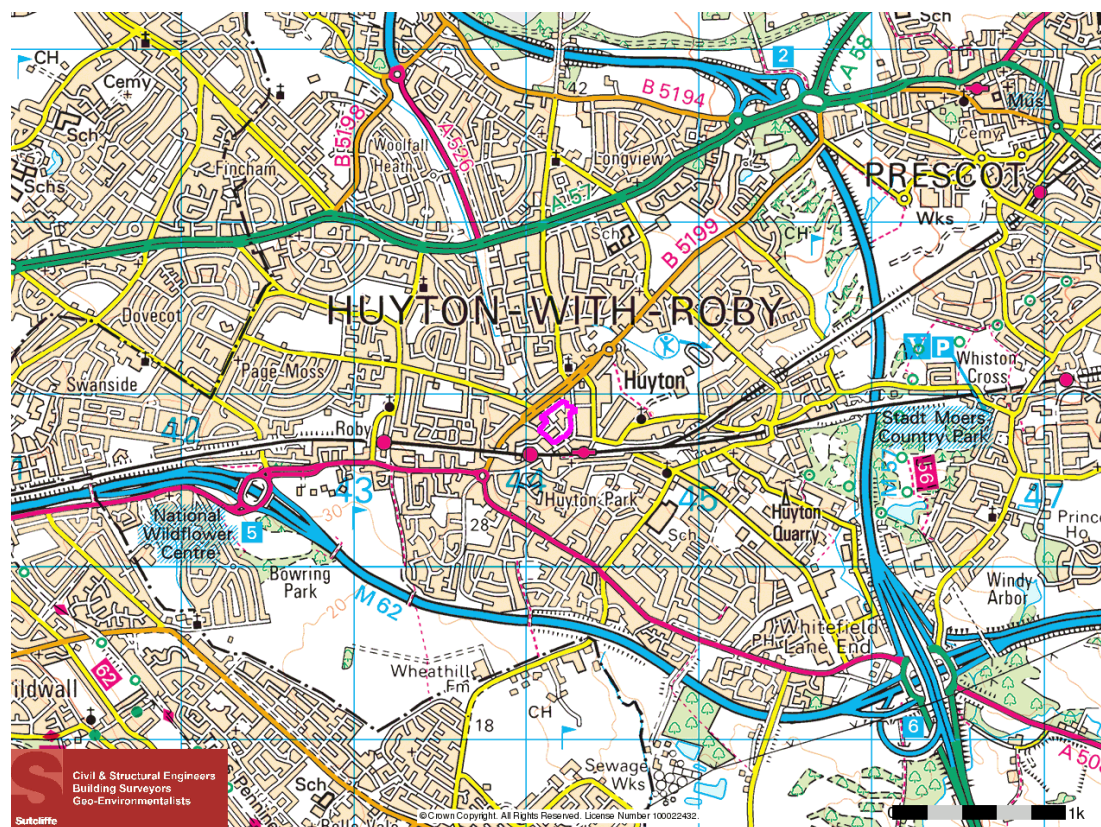


Figure 1: General Location of Site

2.3 Site Description and Walkover

The site is irregular in shape and consists of several buildings, including Knowsley Council offices, Huyton Library and a public venue building. There are also several car parks within the site, permitted, pay and display and also an electric car charging station and taxi rank. The buildings are predominantly brick built and a combination of 2-8 storeys, with potential basements.

The site has varying levels although is generally relatively flat, predominantly hardstanding with a few small areas of vegetation and soft landscaping with trees noted across the site. Access across the site is generally open and unrestricted with some pedestrian access to the north and east and vehicle access to the south, west and north east.

Evidence of services is noted across site in the form of manholes and street lighting, as well as an electricity substation to the south. A petrol station is located adjacent to the west of the site with access to it running through the site.

A photographic log of the site is presented as *Appendix B*.

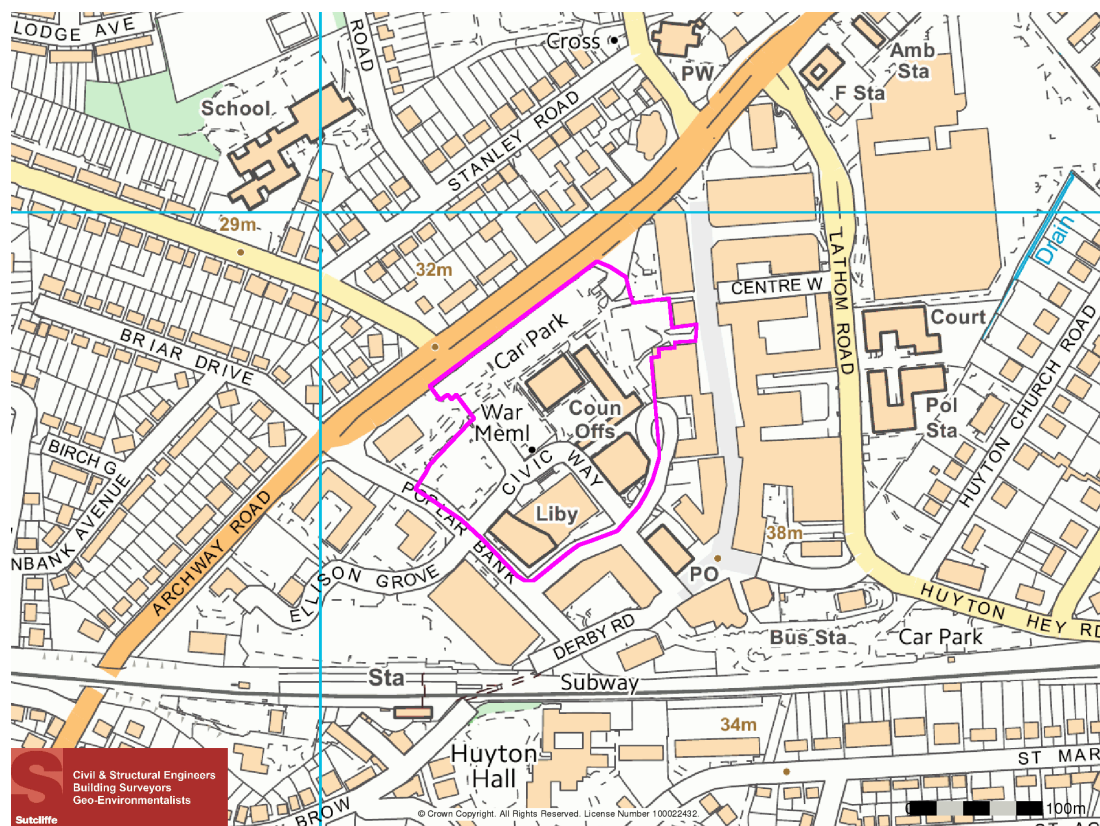


Figure 2: General Site Layout of the Site



Figure 3: Aerial Photograph

2.4 Adjacent Land Uses

Table 2.1 summarises the adjacent land uses.

Table 2.1: Adjacent Land Uses

Direction	Adjacent Land Use
North	Residential
East	Commercial
South	Commercial
West	Commercial / Petrol Station

2.5 Services

Electric

Currently awaiting service plans.

Gas

Gas mains are noted entering the site to the north, east and south.

United Utilities

Currently awaiting service plans.

BT

BT mains are noted entering the site from the east and south.

When received service plans will be presented in *Appendix C*.

2.6 Site History

Historical maps were obtained and reviewed by Sutcliffe Investigations to determine the historical development of the target site. These are presented in *Appendix A*. This enabled an assessment to be made of the potential for contamination associated with former activities, both on-site and in the surrounding areas.

Onsite

The earliest available historical map (1850) indicated that the site was largely under agricultural usage with no development noted on site. From 1892 large residential properties were identified on maps to the southern section of the site and a single property to the north of the site. Additional residential buildings were identified over time. A school was noted from 1952/1958 to 1967 when the residential buildings on site were noted as Municipal Offices, as well as a new large building occupying the centre of the site which was also noted as a Municipal Office. The site was redeveloped in 1976 with the Municipal Offices and the configuration of buildings on site changed. Several of these buildings were then demolished circa 1985. A library was then identified on the south west of the site in 1999 and no further significant changes have been identified until the present day. The remainder of the site is allocated car parking for the council and public.

With the exception of made ground potentially being present on site, together with potential relic foundations and basements, no significant identifiable sources of environmental concern were identified. The potential for significant contamination to have arisen at the site as a result of the current and former usage on site is

considered to be low. However, the possibility of contamination albeit likely to be localised cannot be discounted.

A detailed review of the historical development of the site is presented in *Appendix D*.

Offsite

The earliest historical map dated 1850 indicated that the surrounding area of the site was largely under agricultural usage with small amounts of development identified in the surrounding area, noted on maps as Huyton. A railway line (90m S) and sandstone quarry (880m SW) are also noted.

From 1892 there was a large increase in residential development, particularly to the east and south. An increase in light industrial development in the wider surrounding area was noted from 1908-1909.

Further increases in residential development were identified circa 1938 and circa 1950. From 1955/1956 a surface water feature, associated with the River Alt was identified (500m NE), most likely to be a drain.

With the exception of progressive residential and commercial development no other significant changes were identified on maps dated until 2018. However it is noted from a site inspection that a petrol station is located directly adjacent to the west of the site.

A detailed review of the historical development of the surrounding land uses is presented in *Appendix D*.

2.7 Environmental Database

A commercial database search (provided by Envirocheck) was obtained to provide further information regarding the site and the surroundings. Relevant information and records are summarised below:

Contaminated Land Entries

The database has no contaminated land entries within 500m of the site.

Environmental Permitted Activities

According to the database there are 6 Local Authority Pollution Prevention and Controls within 500m of the site, the nearest is located 63m east of the site at Johnsons Dry Cleaners.

Hazardous Substances Sites

According to the database, there are no COMAH-registered sites, Planning Hazardous Substances Consents or NIHHS sites within 500m of the site.

Substantiated Pollution Incident Register

According to the database, there have been no substantiated pollution incidents within 500m of the site.

Landfill Sites

According to the Envirocheck Report there are;

- No Registered Landfill sites within 1000m of the site.
- 1 Historic Landfill site has been noted within 1000m of the site, located 956m east of the site at Tushingham Metallic Brick Works, with a deposited waste including inert waste type.
- No records of BGS/DoE Non-operational Landfill sites have been noted within 1000m of the site.
- 1 record of landfill from Local Authority records has been noted with 1000m of the site, located 970m east at Brickfields, Knowsley with putrescible waste.

Infilled Land

No infilled land has been recorded within 250m of the site.

Waste Management Facilities

The database has recorded no Registered Waste Transfer Sites and no Registered Waste Treatment or Disposal Sites within 500m of the site.

The database has recorded no Licensed Waste Management Facilities within 500m of the site.

Radioactive Materials

According to the Envirocheck Report there are no authorisations for radioactive substances in the surrounding area.

Fuel Stations

According to the database there are 3 petrol or fuel station entries within 500m of the site, the nearest is located 36m west of the site at Asda, Archway Road, Huyton.

Contemporary Industrial Land Uses

According to the database there are 8 active entries located within 250m of the site. The nearest relates to Styleprint Printers 43m north of the site.

Underground Pipelines and Transmission Assets

A search of the Linesearch database was undertaken on 5th November 2018. This database lists pipelines owned and/or operated by over 40 pipeline and transmission operators, but not all operators are registered.

According to the database, there are no underground pipelines or transmission assets on the site or within a 25m search radius (*Appendix C*).

2.8 Historical Contamination Potential

Site

Historical maps have indicated that development has been noted on site from 1892 -2018; initially residential and from 1967 development was related to Council and Municipal Offices.

With the exception of made ground potentially being present on site, together with potential relic foundations and basements, the potential for significant contamination to have arisen at the site as a result of the current and former usage on site is considered to be low. However, the possibility of contamination albeit likely to be localised cannot be discounted.

Surrounding Area

No identifiable significant potentially contaminative activities were identified as having taken place in the immediate surrounding area.

Therefore, the potential for off-site sources of contamination to impact the site is considered low.

3 Environmental Setting

3.1 Introduction

Desk-based research of the local geology, hydrogeology, hydrology and ecology was carried out in order to establish the potential for migration of contamination onto or away from the site, and to assess the surface water and groundwater sensitivity of the surrounding area. Information was obtained from a number of sources, namely:

- *inspection of the British Geological Survey (BGS) Geology of Britain Viewer²;*
- *examination of the EA's on-line aquifer classification³;*
- *inspection of the MAGIC interactive map service⁴;*
- *a review of online web-based information searches;*
- *review of previous site investigation reports pertaining to the site; and*
- *a review of publicly available information.*

3.2 Geology & Soils

Soils Chemistry – Rural

The environmental database also presents an estimation of the rural background soil chemistry within the site area.

- Arsenic - <15mg/kg
- Cadmium - 1.8-2.2mg/kg
- Chromium – 60-90mg/kg
- Lead – 100-200mg/kg
- Nickel - <15mg/kg

Reference to the data presented suggests that the majority of metals concentrations are generally anticipated to be below current tier 1 assessment criteria in relation to human health effects.

² <http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html>

³ <http://maps.Environment-agency.gov.uk/wiyby/wiybyController>

⁴ <http://magic.defra.gov.uk/>

Artificial Ground

There are no records of any artificial ground onsite or within 500m of the site.

Superficial Deposits

The superficial deposits for the site are noted as Devensian Till.

Solid Geology

According to the BGS Geology of Britain Viewer and the relevant British Geological Survey (BGS) Solid and Drift Sheets 097 Runcorn (1977) at a scale of 1:50,000 the following geological succession has been identified (*Appendix A*).

Table 3.1: Geology

Strata	Description	Age	Rock Type
Solid Geology	Chester Formation	Early Triassic	Sandstone
Solid Geology	Wilmslow Sandstone Formation	Olenekian	Sandstone

One fault is noted on site, striking the site from east to west. There is also 1 fault within 500m of the site, located 20m east of the site.

British Geological Society (BGS) Logs / Records

The BGS have recorded no mineral sites or public BGS Logs within a 500m radius of the site.

Ground Stability

Table 3.2 below summarises the natural hazards information presented in the Envirocheck Report.

Table 3.2: Potential Natural Hazards

Natural Hazard	Hazard Potential
Shrink - Swell Clays	Very Low
Landslides	Very Low
Soluble Rocks	No Hazard
Compressible Deposits	No Hazard
Collapsible Deposits	Very Low
Running Sands	Very Low

3.4 Coal Mining & Brine Subsidence

The site does fall within a coal mining area. Based on the Coal Mining Report (*Report Reference 51001965558002*) the following is of note:

- The site is not within the zone of likely physical influence from past present or future underground coal mining. However, reserves of coal exist in the local area which could be worked at some time in the future.
- There are no known coal mining entries on or within 20m of the site.
- The site is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.
- The property is not within the boundary of an opencast site from which coal has been removed by opencast methods in the past, present or future.
- There is no record of mine gas emissions requiring action by the Coal Authority.

A full copy of the Coal Authority Mining Report can be found in *Appendix E*.

3.5 Radon

According to the Envirocheck Report, the site is not within a radon affected area, as <1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.

3.6 Hydrogeology

The Bedrock is classified as a Principal Aquifer; these are defined as;

“These are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.”

The Superficial Deposits are classified as a Secondary (undifferentiated) Aquifer, which is defined as;

“has been assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.”

The third-party database and EA website indicate that the site is located within a Groundwater Source Protection Zone (SPZ) – Zone III (total catchment): the total area needed to support the discharge from the protected groundwater source.

There is 1 groundwater abstraction point listed in the Envirocheck Report within 2000m of the site, located 1283m east of the site.

3.7 Hydrology

The following is of note:

- The nearest surface water feature within 250m of the site, is located 216m east of the site.
- There are 16 recorded pollution incidents to controlled waters listed in the Envirocheck Report. The nearest is noted as being 299m north east of the site, the pollutant was sewage – wrong connection with a water impact of category 3 (minor impact).
- There are no surface water abstractions listed within the Envirocheck Report within 2000m of the site.
- There are no biological or chemical quality records noted 1000m of the site.

3.8 Flood Risk

According to the Envirocheck Report the site is not within 250m of an area at risk from extreme flooding from rivers or sea without defences.

3.9 Sensitive Land Uses

Ecological Receptors

The Envirocheck database was queried to locate Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPAs), Special Areas of Conservation (SACs), Ramsar Sites, National Nature Reserves, Areas of Outstanding Natural Beauty (AONB), National Parks and Local Nature Reserves within 1km of the site.

- The site is within a Nitrate Vulnerable Zone.

Significance of Environmental Setting

The significance of the environmental setting is considered by Sutcliffe Investigations to be as follows:

- **Groundwater [LOW SENSITIVITY]** – The site is situated in an area of low-moderate sensitivity with respect to groundwater resources due to the

presence of a Secondary (undifferentiated) Aquifer and Principal Aquifer beneath the site. However, this sensitivity is reduced by the absence of any abstractions (sensitive or otherwise) within the immediate vicinity of the site.

- **Surface Water [LOW SENSITIVITY]** – With respect to surface water resources, the site is considered to be located in a low sensitivity setting.
- **Flood Risk [LOW SENSITIVITY]** – The site is not within 250m of an area at risk of extreme flooding from rivers or sea without defences.
- **Sensitive Land Uses [LOW SENSITIVITY]** – With respect to sensitive land uses such as protected habitats, protected sites, protected buildings and sensitive receptors, the site is considered to be located in a low sensitive setting.

4 Preliminary Qualitative Risk Assessment

4.1 Conceptual Site Model (CSM)

A conceptual model is an essential element of any site-specific environmental risk assessment. In this context, they are often simple representations of the hypothesised relationships between sources, pathways and receptors. For the purpose of this report, a basic conceptual model has been developed based on the principles of CLR11 and interpretation of information gathered during the Phase I review. Thus, this allows the identification of potential contaminant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site. Based on this interpretation, the implications for potential liability associated with soil or water contamination at the site can be evaluated.

- **SOURCES** – the identification of contaminants within the soils and groundwater that represent potential pollution sources;
- **PATHWAYS** – the identification of the potential exposure mechanisms and migration pathways from the potential sources; and
- **RECEPTORS** – the identification of the potential receptors that could be sensitive to harm if exposed to these pollution sources.

Collectively, each of these scenarios would be considered a potential pollutant linkage that may require further assessment.

A preliminary conceptual model is presented below (*Table 4.5*) in accordance with the guidance outlined within CLR11.

Identification of Potential Sources

Based on the information from the desk study, historical maps, published information, and a site walkover a summary of potential contaminant sources is provided in *Table 4.1*.

Table 4.1: Potential Sources

Reference	Potential Sources (Onsite)	Potential Contaminants
S1 – Onsite	Made Ground – Previous development (potential relic foundations and infilled basements)	All metals, fuel, hydrocarbons, asbestos and oils and localised ground gas.

No significant off-site sources that would represent a risk to the site have been identified in the immediate surrounds as part of this PRA.

Potential Exposure Pathways

Exposure pathways are the potential routes and mechanisms by which potential on-site sources could be linked to the identified potential receptors and thereby expose them to potential harm. **Only plausible pathways need be considered.**

The following potential exposure pathways have been identified at the site:

Table 4.2: Potential Pathway

Ref	Pathway	Description
P1	Direct contact with potential contaminants.	Dermal absorption, ingestion and inhalation of contaminants via direct contact.
P2	Ingestion of potential contaminants.	Construction workers may come into contact during the site works, however this will be for a short time and therefore limited exposure will occur. PPE can be used and worn as a precaution to reduce the risk.
P3	Inhalation of potential contaminants.	
P4	Leaching and migration of contaminants.	Leaching of possible contaminants could migrate into the underlying Principal Aquifer via shallow groundwater. On site drainage is also at risk from shallow contamination, if present.
P5	Vertical and lateral migration of ground gases / vapours.	There is the potential for contaminants to be present on the site, which could generate ground gas & vapours on site.

Potential Receptors

Based on the site's environmental setting and the proposed future end use of the area following redevelopment, the following potential receptors have been identified:

Table 4.3: Potential Receptors

Ref	Receptor	Description
R1	Current & future site users	Site users; personnel, general workers and maintenance workers,
R2	Construction Workers	Contractors working on the development of the site. Construction workers, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities).
R3	Controlled Waters	Principal and Secondary (undifferentiated) and on site drainage.
R4	Adjacent Site Users	Adjacent site users. Third-party land (i.e. the possibility of contamination migrating off-site onto third party land via contaminated groundwater, surface water run-off).
R5	Infrastructure / Buried services	Proposed buildings and buried services

NOTE: ground workers (i.e. If the site was redeveloped, any associated activities may bring site personnel and construction workers into contact with potentially contaminative materials, however, it is considered that the risks to workers will be short term and could be controlled by safe working procedures.

Potential Contaminant Linkages

In order for there to be a plausible contaminant linkage there must be a source, receptor and pathway and a feasible linkage between them (a contaminant linkage). Consequently, even where a contaminant is identified, if there is no pathway for the contamination to reach a receptor, or no receptor then there can be no significant risk and remedial actions are not required. Central to this risk assessment process is the development of a 'conceptual model'. This is a descriptive and/or pictorial representation of the area of potential contamination, the surrounding environment and the processes acting on the contaminants by which they can move and come into contact with receptors (e.g. by leaching and migration into groundwater).

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, in order to assess risk both the likelihood and the consequences of an event must be taken into account. This report adopts the methodology for risk evaluation presented in CIRIA report C552 'Contaminated Land Risk Assessment – A Guide to Good Practice', 2001. The method is qualitative and involves the classification of the following:

- the magnitude of the potential severity or consequence of the risk occurring;
- the magnitude of the likelihood or probability of the risk occurring; and
- once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned using *Table 4.4*

		Table 4.4: Risk Assessment Matrix			
		Consequence			
		Severe	Medium	Mild	Minor
Likelihood of Occurrence	High	Very High	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/Low	Low
	Low	Moderate	Moderate/Low	Low	Very Low
	Unlikely	Moderate/Low	Low	Very Low	Very Low

Sutcliffe has devised a conceptual model based on the information obtained to date through the desk-based study and future residential usage of the site. This is detailed in tabular format in *Table 4.5* and pictorially in *Figure 4*.

Table 4.5: Preliminary Conceptual Site Model

1. Hazard Identification		2. Hazard Assessment				3. Risk Estimation		4. Risk Evaluation	5. Managing the Risk
Contaminant Source		Pathway		Receptor		Consequence of risk being realised	Probability of risk being realised	Classification	Action required
S1	Potentially contaminated soil on Site	P1	Dermal contact	R1/2	Site users	Medium	Low	Moderate / Low	It is possible that harm could arise to a designated receptor from an identified hazard. Investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
		P2	Ingestion of soil / soil dust	R1/2	Site users	Medium	Low	Moderate / Low	
		P3	Inhalation of vapours / soil gas	R1/2	Site users	Severe	Unlikely	Moderate / Low	
		P4	Leaching and migration of contaminants	R3/5	Principal aquifer	Medium	Low	Moderate / Low	
		P5	Lateral migration of soil gas / vapours	R1	Site users	Severe	Unlikely	Moderate / Low	
				R4	Property	Severe	Unlikely	Moderate / Low	

Potential contaminant linkages that have been identified as moderate or higher will need to be assessed further. This can be in the form of additional research into the actual plausibility of the contaminant linkage or by the actual site measurements. This can be in the form of soil sampling and vapour monitoring to assess the actual conditions.

5 Conclusions and Recommendations

5.1 Introduction

Sutcliffe Investigations were instructed Knowsley Council, to provide a Phase I PRA report. The purpose of the report is to generate preliminary environmental assessment data for submission with an outline planning application for redevelopment of the site.

This comprised a review of the Phase I PRA data, collection of environmental information and reports undertaken on the site.

5.2 Environmental Risk Assessment Findings

The site is irregular in shape and is bordered by residential properties to the north and commercial properties to the east, south and west, as well as a petrol station. The development history of the site has not identified a significant source of environmental concern, and information contained within the environmental database has not highlighted any major concerns. The site is underlain by a Principal Aquifer for the bedrock, with a Secondary (undifferentiated) Aquifer for the superficial deposits.

Taking the above into account, it is considered that there is a low potential for significant contamination to be present, however it is considered that localised contamination that may represent a risk to long term human health and also with the potential for leaching of contaminants into controlled waters may be present. Consequently the environmental risk setting for the site is considered to be low.

5.3 Classification and Land Use Risk

The site can be accessed via Archway Road to the north of the site, Westmoreland Road to the south and Poplar Bank to the west. The site is relatively flat with some varying levels noted on site. The site is still developed by five main buildings and large amount of car parking. Some vegetation and small areas of soft landscaping are also noticed.

Historical maps initially indicate that off-site the surrounding land comprised fields, railway lines, quarries and farms along with a number of industrial uses. Over time the surrounding land was increasingly built up with residential properties in all surrounding areas of the site.

The classification of risk is as follows:

- Class 1 Area: Potential for High levels of contamination and migration of contamination off the site;

- Class 2 Area: Potential for Medium levels of contamination and migration of contamination off site;
- Class 3 Area: Potential for Low levels of contamination and migration of contamination off site; and
- Class 4 Area: Potential for limited contamination.

However, the Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 3 – Low Risk.

5.3 Geotechnical Uncertainty

The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.

5.4 Conclusions and Recommendations

Based on the findings of the Phase I PRA review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:

- Submission of this Phase I PRA Report for the benefit of validating the outline planning application.
- Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.

Drawings: *Proposed Masterplan Layout Design*

Proposed Master Plan layout design - including outline of existing buildings shown in blue



Appendix A: Envirocheck Report (*Report Reference: 184912051*)

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

184912051_1_1

Customer Reference:

30104LG

National Grid Reference:

344180, 390840

Slice:

A

Site Area (Ha):

2.88

Search Buffer (m):

1000

Site Details:

Huyton Village

LIVERPOOL

L36 9GD

Client Details:

MR W Baldwin

Sutcliffe Projects Ltd

18-20 Harrington Street

Liverpool

L2 9QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	12
Industrial Land Use	18
Sensitive Land Use	32
Data Currency	33
Data Suppliers	38
Useful Contacts	39

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1		2	2	2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters	pg 2			2	14
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 5				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 5				3
Water Abstractions	pg 5				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Drift Deposits	pg 6	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6		2	9	8

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 9				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 9				1
Potentially Infilled Land (Non-Water)	pg 9				8
Potentially Infilled Land (Water)	pg 9			11	33
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 12	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 16				4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 16	Yes	n/a	n/a	n/a
Mining Instability	pg 16	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 18		21	7	59
Fuel Station Entries	pg 25		1	1	2
Points of Interest - Commercial Services	pg 25		4	3	17
Points of Interest - Education and Health	pg 27				2
Points of Interest - Manufacturing and Production	pg 27				22
Points of Interest - Public Infrastructure	pg 29		11		7
Points of Interest - Recreational and Environmental	pg 31			2	5
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 32				1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 32	1	1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (S)	0	1	344179 390844
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	17	1	344300 390844
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	67	1	344350 390900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	111	1	344350 390750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	187	1	344350 391100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	209	1	344300 391150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	299	1	344550 391050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	346	1	344500 390550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	380	1	344500 390500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	488	1	344200 391450
1	Local Authority Pollution Prevention and Controls Name: Johnsons Dry Cleaners Location: 47 Derby Road, Huyton, L36 9uq Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: Not Supplied Dated: 8th October 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NE (E)	63	2	344321 390854
2	Local Authority Pollution Prevention and Controls Name: Dales / Asda Huyton Petrol Filling Station Location: Derby Road, Huyton, LIVERPOOL, Merseyside, L36 9YE Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: B/1198/1.2/01 Dated: 29th January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A13NE (NE)	84	2	344334 390982
3	Local Authority Pollution Prevention and Controls Name: Huyton Dry Cleaners Location: 7 Tarbock Road, Knowsley, L36 5xn Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: B/0806/7/1 Dated: 8th October 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	410	2	343792 390492

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Local Authority Pollution Prevention and Controls Name: Repsol Anglo Petroleum Huyton Service Station Location: Twickenham Drive, Liverpool, Merseyside, L36 4QG Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Site Closed Positional Accuracy: Automatically positioned to the address	A7NE (SW)	481	2	343727 390456
5	Local Authority Pollution Prevention and Controls Name: Q8 Petrol Filling Station Location: 34 Tarbock Road, Huyton, LIVERPOOL, Merseyside, L36 5XW Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: 04/02021/Epa Dated: 29th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A7NE (SW)	529	2	343772 390354
6	Local Authority Pollution Prevention and Controls Name: Shell Crescent Service Station Location: Liverpool Road, Huyton, LIVERPOOL, Merseyside, L36 3RN Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: B/1298/1.2/03 Dated: 29th January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A17NE (NW)	997	2	343664 391798
	Nearest Surface Water Feature	A13NE (E)	216	-	344499 390904
7	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Wrong Connection Note: Not Supplied Incident Date: 29th October 1991 Incident Reference: 91440095 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	299	3	344400 391200
8	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Wrong Connection Note: Not Supplied Incident Date: 21st October 1991 Incident Reference: 91440089 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	478	3	344400 391400
9	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Alt; Sewage Incident Date: 2nd February 1996 Incident Reference: 96440014 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	515	3	343800 391300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Oils - Vegetable Oil Note: Alt; Vegetable Oil And Heat Incident Date: 14th November 1996 Incident Reference: 96440160 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	523	3	344500 391400
11	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Wrong Connection Note: Not Supplied Incident Date: 14th August 1991 Incident Reference: 91440063 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	535	3	343900 391400
12	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Alt; Crude Sewage Incident Date: 18th June 1996 Incident Reference: 96440087 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	595	3	343800 391400
13	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Alt; Sewage From Manhole Incident Date: 8th May 1996 Incident Reference: 96440094 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	655	3	343700 391400
14	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: River Alt, Upstream Liverpool Road, Merseyside Authority: Environment Agency, North West Region Pollutant: General Biodegradable : Tree Cuttings Note: Not Supplied Incident Date: 1st November 1999 Incident Reference: 33853 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unauthorised Activity : Other Activity Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	896	3	343700 391700
15	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Storm Sewage Note: Alder Brook Incident Date: 11th September 1995 Incident Reference: 95440147 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	919	3	343200 390500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 7th January 1995 Incident Reference: 95440007 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	955	3	343600 391700
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Alt; Vehicle Washings Incident Date: 14th November 1996 Incident Reference: 96440159 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A23SW (N)	960	3	344000 391900
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 16th March 1995 Incident Reference: 95440096 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Burst/Leaking Stores Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	973	3	343705 391795
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 16th January 1995 Incident Reference: 95440014 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	976	3	343700 391795
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: A57 Road Liverpool Road Junction With, Seth Powell Way, HUYTON Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Alt; Silt Incident Date: 13th March 1997 Incident Reference: 97440042 Catchment Area: Alt Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	977	3	343705 391800
18	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 6th October 1993 Incident Reference: 93450121 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	980	3	343700 391800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Petrol/Fuelling Stations Location: Shell Crescent Petrol Station, LIVERPOOL Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 5th January 1998 Incident Reference: CE980033 Catchment Area: Alt Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	981	3	343705 391805
	River Quality Name: Alt GQA Grade: River Quality D Reach: Qsl At Liverpool Road To Stockbridge Ln Estimated Distance (km): 1.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17NE (NW)	953	3	343730 391787
19	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 24th July 2014 Incident Reference: 1260219 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Other Contaminated Water	A18SW (NW)	502	3	343858 391327
20	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 3rd December 2003 Incident Reference: 205038 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Petrol	A7NE (SW)	513	3	343740 390400
21	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 12th September 2013 Incident Reference: 1158726 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Household Waste	A15SW (E)	994	3	345211 390545
	Water Abstractions Operator: B I C C Limited Licence Number: 2569031010 Permit Version: Not Supplied Location: Borehole, Huyton Quarry, LIVERPOOL Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 218 Yearly Rate (m3): 9092 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NW (E)	1283	3	345500 390500
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13NE (S)	0	3	344179 390844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 16 West Cheshire Scale: 1:100,000	A13NE (S)	0	3	344179 390844
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (S)	0	4	344179 390844
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (S)	0	4	344179 390844
22	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NE (S)	0	3	344179 390844
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A13NE (E)	216	5	344499 390904
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A14NW (E)	243	5	344524 390950
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A14NW (NE)	342	5	344557 391120
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A14NW (NE)	354	5	344609 391056
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A18SW (NW)	363	5	343898 391184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 499.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A18SW (N)	405	5	344114 391359
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A18SE (N)	452	5	344356 391389
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A14NW (NE)	480	5	344703 391150
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A19SW (NE)	484	5	344547 391326
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A19SW (NE)	485	5	344548 391327
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A18SW (NW)	500	5	343861 391326
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A19SW (NE)	507	5	344590 391322
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A19SW (NE)	507	5	344590 391322
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A17SE (NW)	513	5	343829 391320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 519.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A17SE (NW)	516	5	343830 391324
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Alt Catchment Name: Alt Primacy: 1	A19SW (NE)	551	5	344749 391211
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A19SW (NE)	588	5	344692 391338
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A19SW (NE)	639	5	344752 391349
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A19SW (NE)	676	5	344803 391347

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Historical Landfill Sites Licence Holder: Tushingham Metallic Brick Works Location: Knowsley, Merseyside Name: Brickfields Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16806 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: GDO M209	A14SE (E)	956	3	345168 390532
	Local Authority Landfill Coverage Name: Knowsley Metropolitan Borough Council - Has supplied landfill data		0	6	344179 390844
	Local Authority Landfill Coverage Name: Merseyside Waste Disposal Authority - Has supplied landfill data		0	7	344179 390844
43	Local Authority Recorded Landfill Sites Location: Brickfields, Knowsley Reference: GDO209 Authority: Knowsley Metropolitan Borough Council Last Reported Status: Types of Waste: Putrescible Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14SE (E)	970	6	345184 390535
44	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14SW (E)	506	-	344747 390699
45	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7NE (SW)	524	-	343694 390428
46	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14SE (E)	657	-	344881 390618
47	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A9NW (SE)	663	-	344580 390201
48	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	679	-	344819 391332
49	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7NW (W)	856	-	343271 390487
50	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A15SW (E)	951	-	345220 390747
51	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A15SW (E)	978	-	345255 390802
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A12SE (SW)	293	-	343799 390685
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NE (W)	353	-	343758 391008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NE (NW)	379	-	343750 391052
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A18SW (N)	386	-	344133 391343
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NE (NW)	387	-	343748 391064
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18SW (N)	432	-	344063 391369
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A7NE (SW)	448	-	343808 390430
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SE (SW)	456	-	343716 390506
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A18SE (N)	463	-	344374 391394
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (E)	464	-	344747 390933
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14NW (E)	476	-	344737 391057
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19SW (NE)	597	-	344537 391464
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A8SE (S)	606	-	344314 390137
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SE (SW)	619	-	343519 390513
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A17SE (NW)	625	-	343629 391298
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14NE (E)	631	-	344914 390904
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A8SW (S)	666	-	344130 390056
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A17SE (NW)	675	-	343584 391324
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19SW (NE)	687	-	344842 391315
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A17SE (NW)	700	-	343620 391395
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14SE (E)	722	-	345001 390828
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SW (S)	724	-	344028 390010
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (SW)	730	-	343410 390484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	730	-	344952 390598
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A8SW (S)	736	-	344058 389993
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NE (E)	737	-	344998 391093
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	743	-	344953 390560
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	774	-	344794 391497
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	777	-	344975 390521
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	792	-	343307 391026
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A17SE (NW)	813	-	343512 391448
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A7SE (S)	824	-	343836 389962
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19NW (NE)	832	-	344647 391673
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A9NE (SE)	903	-	345000 390291
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	938	-	343183 391133
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A11NE (W)	949	-	343130 390909
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19SE (NE)	950	-	345091 391416
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9NE (SE)	972	-	345104 390333
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A11NE (W)	973	-	343134 391087
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A11SE (W)	980	-	343099 390670
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A11NE (W)	985	-	343128 391110
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1928	A19NE (NE)	993	-	345020 391582
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9SE (SE)	996	-	344868 390001
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19NW (NE)	1000	-	344686 391842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NE (S)	0	1	344179 390844
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (S)	0	1	344179 390844
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13NE (NE)	0	1	344210 390915
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	20	1	344313 390869
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	72	1	344000 390844
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	222	1	344179 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	233	1	344500 391000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NW (S)	292	1	344138 390430
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A13SW (SW)	319	1	343874 390541
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	374	1	343821 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	382	1	344503 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	539	1	344176 391500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A18NW (N)	650	1	344046 391592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18NW (N)	659	1	344000 391588
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	787	1	345000 390562
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	807	1	345000 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12SW (W)	808	1	343303 390543
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (E)	833	1	345028 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	895	1	345174 390826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NE (E)	916	1	345104 390468
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 3.0 - 6.0 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	925	1	345000 391500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15SW (E)	943	1	345212 390748
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NE (NE)	955	1	344926 391621
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15NW (E)	971	1	345253 390867
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15NW (E)	976	1	345256 391000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15SW (E)	980	1	345240 390693
96	BGS Recorded Mineral Sites Site Name: John'S Road Sand Pits Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 95195 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Wilmslow Sandstone Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	693	1	344593 390174
96	BGS Recorded Mineral Sites Site Name: John'S Road Sand Pits Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 95196 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Wilmslow Sandstone Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	736	1	344622 390141
97	BGS Recorded Mineral Sites Site Name: Roby Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 95181 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	876	1	343261 390459
98	BGS Recorded Mineral Sites Site Name: Roby Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 95182 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Triassic Geology: Chester Pebble Beds Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	899	1	343273 390378
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (S)	0	8	344179 390844
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (S)	0	-	344179 390844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	344210 390915
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	344210 390915
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	1	344179 390844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	Contemporary Trade Directory Entries Name: Klick Location: 22, Derby Road, Huyton, Liverpool, L36 9UJ Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	4	-	344278 390918
100	Contemporary Trade Directory Entries Name: Styleprint Location: 12, Archway Road, Liverpool, L36 9XB Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	43	-	344144 390968
101	Contemporary Trade Directory Entries Name: Brighthouse Location: 58-62, Derby Road, Huyton, Liverpool, L36 9UL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	47	-	344291 390776
102	Contemporary Trade Directory Entries Name: Card Factory Location: Unit 13, Cavendish Walk, Derby Road, Huyton, Liverpool, L36 9YG Classification: Greeting Card Publishers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	58	-	344310 390968
102	Contemporary Trade Directory Entries Name: Goldcraft Location: Unit 25, Cavendish Walk, Derby Road, Huyton, Liverpool, L36 9YG Classification: Jewellery Manufacturers & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	75	-	344308 390994
102	Contemporary Trade Directory Entries Name: The Fragrance Shop Location: Unit 23, Cavendish Walk, Derby Road, Huyton, Liverpool, L36 9YG Classification: Perfume Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	84	-	344322 390994
102	Contemporary Trade Directory Entries Name: Wilkinsons Location: Unit 20, Cavendish Walk, Derby Road, Huyton, Liverpool, L36 9YG Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	117	-	344348 391014
103	Contemporary Trade Directory Entries Name: Kirkby Blinds Direct Ltd Location: Lansdowne Way, Liverpool, Merseyside, L36 9YB Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	80	-	344335 390810
103	Contemporary Trade Directory Entries Name: Johnson Cleaners (UK) Ltd Location: 47-49, Derby Road, Huyton, Liverpool, L36 9UQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	89	-	344357 390855
103	Contemporary Trade Directory Entries Name: Kirkby Blinds Direct Location: 5, Lansdowne Way, Liverpool, L36 9YB Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	92	-	344347 390817
103	Contemporary Trade Directory Entries Name: Phone World Location: 28 Lansdowne Way, Liverpool, Merseyside, L36 9YB Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	94	-	344348 390808
103	Contemporary Trade Directory Entries Name: Is Blinds Location: Liverpool, Merseyside, L36 9YB Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	96	-	344350 390832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: Village Electrics Location: Lansdowne Way, Liverpool, L36 9YB Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (E)	98	-	344353 390809
103	Contemporary Trade Directory Entries Name: Max Spielmann Location: 9, Lansdowne Way, Liverpool, Merseyside, L36 9YB Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	102	-	344357 390823
104	Contemporary Trade Directory Entries Name: T J May & Sons Ltd Location: Blacklow Brow, Liverpool, L36 5XE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	105	-	344064 390663
105	Contemporary Trade Directory Entries Name: Fleet Support Direct Ltd Location: St Marys Road, Huyton, Liverpool, Merseyside, L36 5UY Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SE (S)	181	-	344226 390554
106	Contemporary Trade Directory Entries Name: Asda Petrol Location: Huyton Lane, Liverpool, L36 7TX Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	197	-	344474 390965
107	Contemporary Trade Directory Entries Name: T J May & Sons Ltd Location: Pinnington Place, Liverpool, Merseyside, L36 5XA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	200	-	343967 390621
108	Contemporary Trade Directory Entries Name: Cubex Location: 21, Huyton Church Road, Liverpool, L36 5SH Classification: Gate Manufacturers - Automated Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	222	-	344496 390844
109	Contemporary Trade Directory Entries Name: Dream Clean Location: 46, The Orchard, Huyton, Liverpool, L36 5UZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	226	-	344306 390550
110	Contemporary Trade Directory Entries Name: Yew Trees Location: 1, Capper Grove, Liverpool, L36 7YT Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	243	-	344334 391171
111	Contemporary Trade Directory Entries Name: One Stop Mobility Location: 81, Fernbank Avenue, Liverpool, L36 9UD Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	319	-	343753 390770
112	Contemporary Trade Directory Entries Name: Wignall Scaffolding Location: 21, Greenhill Place, Liverpool, L36 5RU Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	337	-	344147 390385
113	Contemporary Trade Directory Entries Name: Ironing Made Easy Location: 8, Grinton Crescent, Liverpool, L36 9UA Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	397	-	343675 390779

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Contemporary Trade Directory Entries Name: Huyton Dry Cleaning Centre Location: 7, Tarbock Road, Huyton, Liverpool, L36 5XN Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	410	-	343793 390492
114	Contemporary Trade Directory Entries Name: Laxton Distribution Services Ltd Location: 11, Tarbock Road, Huyton, Liverpool, Merseyside, L36 5XN Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	423	-	343792 390474
115	Contemporary Trade Directory Entries Name: Liverpool Jet Washing Solutions Location: 45, Tarbock Road, Huyton, Liverpool, L36 5XN Classification: Power Washing Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	471	-	343840 390370
116	Contemporary Trade Directory Entries Name: Park Garage Location: Tarbock Rd, Huyton, Liverpool, Merseyside, L36 5XW Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	491	-	343796 390384
116	Contemporary Trade Directory Entries Name: J W Mason Location: 32, Tarbock Road, Huyton, Liverpool, L36 5XW Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	510	-	343768 390382
116	Contemporary Trade Directory Entries Name: Save Service Station Location: 34, Tarbock Road, Huyton, Liverpool, L36 5XW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	529	-	343772 390354
116	Contemporary Trade Directory Entries Name: Tarbock Service Station Ltd Location: 34, Tarbock Road, Huyton, Liverpool, L36 5XW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	529	-	343772 390354
116	Contemporary Trade Directory Entries Name: Paramount Car Centre Location: 34, Tarbock Road, Huyton, Liverpool, L36 5XW Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	529	-	343772 390354
117	Contemporary Trade Directory Entries Name: Murco Petroleum Ltd Location: Twickenham Dr, Liverpool, Merseyside, L36 4QG Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	518	-	343678 390454
118	Contemporary Trade Directory Entries Name: Roby Fascias & Gutters Location: 1, Roby Mount Avenue, Liverpool, L36 4HP Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	549	-	343556 390603
119	Contemporary Trade Directory Entries Name: O M S Vehicle Solutions Ltd Location: 132, Crosswood Crescent, Liverpool, L36 2QQ Classification: Vehicle Inspection Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	557	-	343603 391152
119	Contemporary Trade Directory Entries Name: Oms Vehicle Solutions Location: 132, Crosswood Crescent, Liverpool, L36 2QQ Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	557	-	343603 391152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Contemporary Trade Directory Entries Name: Simply Roller Blinds Location: 180 Rupert Rd, Liverpool, Merseyside, L36 9TD Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	583	-	343527 391047
121	Contemporary Trade Directory Entries Name: Britannia Property Preservation Location: 1, Belfield Crescent, Liverpool, L36 5TR Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	593	-	344142 390130
122	Contemporary Trade Directory Entries Name: Simply Blinds Location: Unit 2, Crossvale Business Park, Crossvale Road, Liverpool, L36 0UY Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	618	-	344362 390138
122	Contemporary Trade Directory Entries Name: Whittakers (Huyton) Ltd Location: 135, Tarbock Road, Huyton, Liverpool, L36 5TF Classification: Brush Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	659	-	344348 390091
123	Contemporary Trade Directory Entries Name: Dengas Location: 29, Molyneux Close, Liverpool, L36 6DL Classification: Gas Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	621	-	344896 390810
124	Contemporary Trade Directory Entries Name: Simply Blinds Location: 103, Rupert Road, Liverpool, L36 9TD Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	686	-	343432 391089
125	Contemporary Trade Directory Entries Name: Skinlogica Laser & Beauty Clinic Location: 159, Tarbock Road, Huyton, Liverpool, L36 5TG Classification: Electrolysis Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	734	-	344422 390037
126	Contemporary Trade Directory Entries Name: Hydro Dry Location: 13, Attlee Road, Liverpool, Merseyside, L36 6BG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	740	-	345023 390936
126	Contemporary Trade Directory Entries Name: Hydro Dry Carpet Cleaning Location: 13, Attlee Road, Liverpool, L36 6BG Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	740	-	345023 390936
127	Contemporary Trade Directory Entries Name: Electrical Domestics Location: 27, Acacia Avenue, Liverpool, L36 5TN Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	765	-	343861 390016
127	Contemporary Trade Directory Entries Name: Leymac Ltd Location: 31-33, Acacia Avenue, LIVERPOOL, L36 5TN Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	767	-	343838 390023
127	Contemporary Trade Directory Entries Name: Pressed 4 U Location: 35, Acacia Avenue, Liverpool, L36 5TN Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	769	-	343829 390026

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Contemporary Trade Directory Entries Name: Acacia Supplies Ltd Location: 39a, Acacia Avenue, Liverpool, Merseyside, L36 5TN Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	771	-	343814 390031
128	Contemporary Trade Directory Entries Name: St Bartholomews Day Assessment & Treatment Centre Location: Station Road, Huyton, Liverpool, L36 4HU Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	776	-	343306 390662
129	Contemporary Trade Directory Entries Name: A1 Location: Liverpool, Merseyside, L36 5tt Classification: Waste Disposal Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	777	-	344249 389951
130	Contemporary Trade Directory Entries Name: Aqua Bloc (Uk) Ltd Location: Montgomery Road, Huyton, Liverpool, Merseyside, L36 7UZ Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	815	-	343963 391740
131	Contemporary Trade Directory Entries Name: Pr Cars Location: Unit 14, Elm Street, Liverpool, L36 6BE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	835	-	345060 390592
131	Contemporary Trade Directory Entries Name: M & D Autos Location: 7, De Silva Street, Liverpool, L36 6BD Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	835	-	345060 390592
131	Contemporary Trade Directory Entries Name: Eurotyre Services Location: Unit 2/4, Elm Street, Liverpool, L36 6BE Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	835	-	345060 390592
131	Contemporary Trade Directory Entries Name: Eurotyre Services Location: Unit 2/4, Elm Street, Liverpool, Merseyside, L36 6BE Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	835	-	345060 390592
131	Contemporary Trade Directory Entries Name: Aura Discount Plastics Location: Unit 12-14, Elm Street, Liverpool, Merseyside, L36 6BE Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	835	-	345060 390592
131	Contemporary Trade Directory Entries Name: Safe Seal Windows North West Location: Unit 14, Elm St, Liverpool, Merseyside, L36 6BE Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	836	-	345060 390592
131	Contemporary Trade Directory Entries Name: W R Electrical Wholesale Location: Unit 20, Elm St, Liverpool, Merseyside, L36 6BE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	836	-	345060 390591
131	Contemporary Trade Directory Entries Name: T & M Autos Location: Unit 6, Elm Street, Liverpool, L36 6BE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	844	-	345068 390590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	Contemporary Trade Directory Entries Name: H I S Ltd Location: 22 Elm Street, Huyton, Liverpool, L36 6BA Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	859	-	345084 390589
131	Contemporary Trade Directory Entries Name: J & L Taxi Location: 10 Elm St, Liverpool, L36 6BE Classification: Meter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	879	-	345095 390558
132	Contemporary Trade Directory Entries Name: Stay Fresh Location: 9, Anzio Road, Liverpool, L36 7YA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	877	-	343947 391800
133	Contemporary Trade Directory Entries Name: P Jennings Gas Services Location: 57, Church Road, Roby, LIVERPOOL, L36 9TN Classification: Fireplaces & Mantelpieces Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (W)	885	-	343270 391220
134	Contemporary Trade Directory Entries Name: Ambassador Location: 5, Lilac Grove, Liverpool, L36 5XS Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	886	-	343871 389883
135	Contemporary Trade Directory Entries Name: Ats Euromaster Ltd Location: Wilson Road, Liverpool, L36 6AN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (E)	886	-	345075 390476
136	Contemporary Trade Directory Entries Name: Camerons Location: 9, Pine Close, Huyton, LIVERPOOL, L36 3RR Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	892	-	343714 391705
137	Contemporary Trade Directory Entries Name: B Perry Associates Location: 3, Pear Tree Road, Liverpool, L36 5UB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	897	-	344186 389826
138	Contemporary Trade Directory Entries Name: K C Location: 7, Longview Drive, Liverpool, L36 6DY Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19NE (NE)	912	-	344890 391597
139	Contemporary Trade Directory Entries Name: Cambrian Cleaning Location: 7, Silverstone Drive, LIVERPOOL, L36 4QT Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	924	-	343587 389992
140	Contemporary Trade Directory Entries Name: Grange Cleaning Services Ltd Location: 67, Twickenham Drive, Liverpool, L36 4QG Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	926	-	343379 390177
141	Contemporary Trade Directory Entries Name: Youngs Animal Feeds Ltd - Huyton Branch Location: Unit 1, Superstop Building, Wilson Road, LIVERPOOL, L36 6AN Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	345080 390367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: Forward Autos Location: Unit 3 Wilson Business Centre, Wilson Rd, Liverpool, L36 6AF Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	935	-	345079 390366
141	Contemporary Trade Directory Entries Name: Miller Garage Services Location: Unit 3 Wilson Business Centre, Wilson Rd, Liverpool, L36 6AF Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	935	-	345080 390366
141	Contemporary Trade Directory Entries Name: Finestra Location: Unit 1, Wilson Business Centre, Wilson Road, Liverpool, L36 6AF Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	345080 390367
141	Contemporary Trade Directory Entries Name: Regal Windows & Conservatories Location: Unit 1, Wilson Business Centre, Wilson Road, Liverpool, Merseyside, L36 6AF Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	345080 390367
141	Contemporary Trade Directory Entries Name: Stone Impressions Ltd Location: Unit 4, Superstop Building, Wilson Road, LIVERPOOL, L36 6AN Classification: Stone Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	345080 390367
141	Contemporary Trade Directory Entries Name: Re-Cyclers Organisation Ltd Location: Unit 4, Superstop Building, Wilson Road, Liverpool, L36 6AN Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	935	-	345080 390367
142	Contemporary Trade Directory Entries Name: 32 Signal Squadron 32 Signal Regiment V Location: Alamein Territorial Army Centre, Liverpool Road, Huyton, Liverpool, L36 3RW Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	954	-	343973 391887
142	Contemporary Trade Directory Entries Name: Blue Bell (Taxi Meters) Location: Liverpool Road, Huyton, Liverpool, L36 3RW Classification: Meter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	954	-	343973 391887
142	Contemporary Trade Directory Entries Name: Blue Bell Service Station Location: Liverpool Road, Huyton, Liverpool, L36 3RW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	961	-	344017 391904
143	Contemporary Trade Directory Entries Name: Air Care Location: 9, Wallace Drive, Liverpool, L36 1TJ Classification: Air Compressors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	966	-	344939 391625
144	Contemporary Trade Directory Entries Name: Huyton Heat Treatment 2010 Ltd Location: Unit 6, Brickfields, Liverpool, L36 6HY Classification: Heat Treatment - Metals Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	985	-	345196 390526
144	Contemporary Trade Directory Entries Name: Interfit Ltd Location: Unit 7, Brickfields, Liverpool, L36 6HY Classification: Tyre Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	994	-	345211 390546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Contemporary Trade Directory Entries Name: First Class Tyres & Auto Care Location: Unit 7, Brickfields, Liverpool, L36 6HY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	994	-	345211 390546
145	Contemporary Trade Directory Entries Name: Shell Crescent Location: Liverpool Road, Huyton, Liverpool, Merseyside, L36 3RN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	997	-	343664 391798
145	Contemporary Trade Directory Entries Name: Shell Service Station Location: Liverpool Road, Huyton, Liverpool, L36 3RN Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	997	-	343664 391798
146	Fuel Station Entries Name: Asda Huyton Location: Archway Road , Huyton , Liverpool, Merseyside, L36 7TX Brand: ASDA Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A13SW (W)	36	-	344049 390823
147	Fuel Station Entries Name: Huyton Service Station Location: Twickenham Drive , Huyton , Liverpool, Merseyside, L36 4QG Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NE (SW)	481	-	343727 390456
148	Fuel Station Entries Name: Tarbuck Road Service Station Location: 34, Tarbuck Road , Huyton , Liverpool, Merseyside, L36 5XW Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NE (SW)	529	-	343772 390354
149	Fuel Station Entries Name: Shell Crescent Location: Liverpool Road Cuper Crescent, Huyton , Liverpool, Merseyside, L36 3RN Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A17NE (NW)	997	-	343664 391798
150	Points of Interest - Commercial Services Name: Asda Huyton Location: Archway Road, Not Known, Huyton, Liverpool, L36 7TX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (W)	11	9	344096 390840
150	Points of Interest - Commercial Services Name: Car Wash Location: Archway Road, Not Known, Huyton, Liverpool, Merseyside, L36 7TX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (W)	36	9	344049 390823
151	Points of Interest - Commercial Services Name: T J May & Sons Ltd Location: Blacklow Brow, Liverpool, L36 5XE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	105	9	344064 390663
152	Points of Interest - Commercial Services Name: T J May & Sons Carriers Ltd Location: Pinnington Place, Liverpool, L36 5XA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	200	9	343967 390621

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Points of Interest - Commercial Services Name: J D H Ltd Location: Merriedale 27, Huyton Church Road, Liverpool, L36 5SH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (E)	264	9	344547 390916
154	Points of Interest - Commercial Services Name: Spencer Location: 42 Coral Avenue, Liverpool, L36 2PZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SE (NW)	444	9	343792 391204
154	Points of Interest - Commercial Services Name: Spencer Location: 42 Coral Avenue, Liverpool, L36 2PZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SE (NW)	444	9	343792 391204
155	Points of Interest - Commercial Services Name: J W Mason Location: 32 Tarbock Road, Huyton, Liverpool, L36 5XW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	510	9	343768 390382
155	Points of Interest - Commercial Services Name: J W Mason Location: 32 Tarbock Road, Huyton, Liverpool, L36 5XW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	510	9	343768 390382
155	Points of Interest - Commercial Services Name: Tarbock Road Service Station Location: 34 Tarbock Road, Huyton, Liverpool, L36 5XW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	529	9	343772 390354
155	Points of Interest - Commercial Services Name: Tarbock Service Station Ltd Location: 34 Tarbock Road, Huyton, Liverpool, L36 5XW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	529	9	343772 390354
156	Points of Interest - Commercial Services Name: The Park Garage Location: The Park, Liverpool, L36 5SX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	536	9	344193 390188
157	Points of Interest - Commercial Services Name: O'Brien Mobile Services Location: 132 Crosswood Crescent, Liverpool, L36 2QQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	557	9	343603 391152
158	Points of Interest - Commercial Services Name: Turner Travel Location: 93 Lawton Road, Huyton, Liverpool, L36 4HN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	745	9	343419 390433
159	Points of Interest - Commercial Services Name: M K Autos Location: 5 De Silva Street, Liverpool, L36 6BD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	835	9	345059 390591
159	Points of Interest - Commercial Services Name: T & M Autos Location: Unit 6, Elm Street, Liverpool, L36 6BE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	835	9	345060 390592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Points of Interest - Commercial Services Name: M & D Autos Location: Unit 8, Elm Street, Liverpool, L36 6BE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	835	9	345059 390591
159	Points of Interest - Commercial Services Name: T & M Autos Location: Unit 6, Elm Street, Liverpool, L36 6BE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	835	9	345059 390591
160	Points of Interest - Commercial Services Name: 5 Star Valeting Location: 39 Sandiway, Huyton, Liverpool, L36 0UN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9SW (SE)	841	9	344690 390061
161	Points of Interest - Commercial Services Name: D G S Carburation Location: 25 Yew Tree Road, Huyton, Liverpool, L36 5UG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NW (S)	953	9	344048 389775
161	Points of Interest - Commercial Services Name: D G S Mobile Auto Services Location: 25 Yew Tree Road, Huyton, Liverpool, L36 5UG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NW (S)	954	9	344048 389774
162	Points of Interest - Commercial Services Name: Blue Bell Service Station Location: Liverpool Road, Huyton, Liverpool, L36 3RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SW (N)	953	9	343973 391886
162	Points of Interest - Commercial Services Name: Blue Bell Service Station Location: Liverpool Road, Huyton, Liverpool, L36 3RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SW (N)	954	9	343973 391887
163	Points of Interest - Commercial Services Name: First Class Tyres & Auto Care Location: Unit 7, Brickfields, Liverpool, L36 6HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15SW (E)	994	9	345211 390545
164	Points of Interest - Education and Health Name: St Bartholomews Day Hospital Location: Station Road, Huyton, Liverpool, L36 4HU Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	776	9	343306 390662
164	Points of Interest - Education and Health Name: St Bartholomews Day Hospital Location: Station Road, Huyton, Liverpool, Merseyside, L36 4HU Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	776	9	343306 390663
165	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	506	9	343766 390388
165	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	507	9	343766 390387

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	742	9	344916 390471
166	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	744	9	344919 390472
167	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	817	9	345016 390516
167	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	820	9	345020 390517
167	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	841	9	345062 390579
167	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	844	9	345065 390580
167	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (E)	869	9	345060 390484
167	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (E)	873	9	345064 390484
168	Points of Interest - Manufacturing and Production Name: Clintworth Marble & Terrazzo Ltd Location: 18 Cedarwood Court, Liverpool, L36 5YY Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A8SE (S)	853	9	344449 389920
169	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	856	9	345017 390418
169	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	858	9	345020 390419
169	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	879	9	345040 390412

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	879	9	345040 390412
169	Points of Interest - Manufacturing and Production Name: Stone Impressions Ltd Location: Unit 4 Superstop Building, Wilson Road, Liverpool, L36 6AN Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A9NE (SE)	935	9	345079 390366
170	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	948	9	345125 390435
170	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	950	9	345128 390436
170	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (E)	954	9	345146 390471
170	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (E)	958	9	345150 390471
171	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	982	9	345195 390531
171	Points of Interest - Manufacturing and Production Name: Works Location: L36 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	982	9	345195 390531
172	Points of Interest - Public Infrastructure Name: Asda Petrol Location: Huyton Lane, Liverpool, L36 7TX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	36	9	344049 390823
172	Points of Interest - Public Infrastructure Name: Asda Huyton Location: Archway Road, Not Known, Huyton, Liverpool, L36 7TX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	36	9	344049 390823
173	Points of Interest - Public Infrastructure Name: Huyton Rail Station Location: L36 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SW (SW)	133	9	344066 390622
173	Points of Interest - Public Infrastructure Name: Huyton Station Location: Blacklow Brow, L36 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SW (SW)	133	9	344066 390622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Points of Interest - Public Infrastructure Name: Huyton Bus Station Location: L36 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	158	9	344359 390675
175	Points of Interest - Public Infrastructure Name: Huyton Police Station Location: Huyton Police Station, Lathom Road, Liverpool, L36 9XU Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13NE (E)	167	9	344440 390847
176	Points of Interest - Public Infrastructure Name: Community Fire Station Location: Fire Station, Huyton Lane, Liverpool, L36 7XG Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	208	9	344377 391108
176	Points of Interest - Public Infrastructure Name: Huyton Community Fire Station Location: Fire Station, Huyton Lane, Liverpool, L36 7XG Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	214	9	344380 391113
176	Points of Interest - Public Infrastructure Name: Merseyside Fire & Rescue Service Location: Fire Station, Huyton Lane, Liverpool, L36 7XG Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	214	9	344381 391113
177	Points of Interest - Public Infrastructure Name: Graveyard Location: L36 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	208	9	344157 391164
177	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	223	9	344099 391157
178	Points of Interest - Public Infrastructure Name: A1 Location: 20 Linden Drive, Liverpool, L36 5TT Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A8SE (S)	770	9	344215 389955
179	Points of Interest - Public Infrastructure Name: Roby Rail Station Location: Church Road, L36 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SW (W)	863	9	343213 390702
179	Points of Interest - Public Infrastructure Name: Roby Station Location: Church Road, L36 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A12SW (W)	863	9	343213 390702
180	Points of Interest - Public Infrastructure Name: Shell Crescent Location: Liverpool Road, Huyton, Liverpool, L36 3RN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NE (NW)	997	9	343664 391798
180	Points of Interest - Public Infrastructure Name: Shell Service Station Location: Liverpool Road, Huyton, Liverpool, L36 3RN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NE (NW)	997	9	343664 391798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Public Infrastructure Name: Shell Crescent Location: Liverpool Road, Huyton, Liverpool, L36 3RN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NE (NW)	997	9	343664 391798
180	Points of Interest - Public Infrastructure Name: Shell Crescent Location: Liverpool Road, Cuper Crescent, Huyton, Liverpool, Merseyside, L36 3RN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NE (NW)	997	9	343664 391798
181	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	418	9	344388 390372
182	Points of Interest - Recreational and Environmental Name: Playground Location: Rydal Road, L36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (SE)	444	9	344497 390410
183	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	605	9	343623 390385
183	Points of Interest - Recreational and Environmental Name: Play Area Location: Twickenham Drive, L36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	611	9	343616 390385
184	Points of Interest - Recreational and Environmental Name: Play Area Location: Nr Manor Farm Road, L36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	807	9	344805 390201
185	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	914	9	344742 391713
185	Points of Interest - Recreational and Environmental Name: Playground Location: Longview Lane, L36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19NW (NE)	914	9	344742 391713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Areas of Adopted Green Belt Authority: Knowsley Metropolitan Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 6th January 2016	A7NW (W)	898	6	343237 390460
187	Nitrate Vulnerable Zones Name: Alt Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (S)	0	4	344179 390844
188	Nitrate Vulnerable Zones Name: Dittton Brook (Halewood To Mersey Estuary) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (E)	48	4	344300 390800

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices St Helens Metropolitan Borough Council - Environmental Protection Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Department of Planning and Development Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 October 2017	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	July 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North West Region	July 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division	April 2013 December 2015 February 2013 June 2013	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 November 2014	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 November 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North West Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	July 2018	Quarterly
Water Abstractions Environment Agency - North West Region	July 2018	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2018	Quarterly
Flood Defences Environment Agency - Head Office	August 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	July 2018	Quarterly
Local Authority Landfill Coverage Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Halton Borough Council Knowsley Metropolitan Borough Council St Helens Metropolitan Borough Council Liverpool City Council	August 2015 August 2015 February 2016 January 2016	Variable Variable Variable Variable
Planning Hazardous Substance Consents Halton Borough Council Knowsley Metropolitan Borough Council St Helens Metropolitan Borough Council Liverpool City Council	August 2015 August 2015 February 2016 January 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2018	Quarterly
Fuel Station Entries Experian Catalyst	August 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	September 2018	Quarterly
Points of Interest - Education and Health PointX	September 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2018	Quarterly
Points of Interest - Public Infrastructure PointX	September 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	

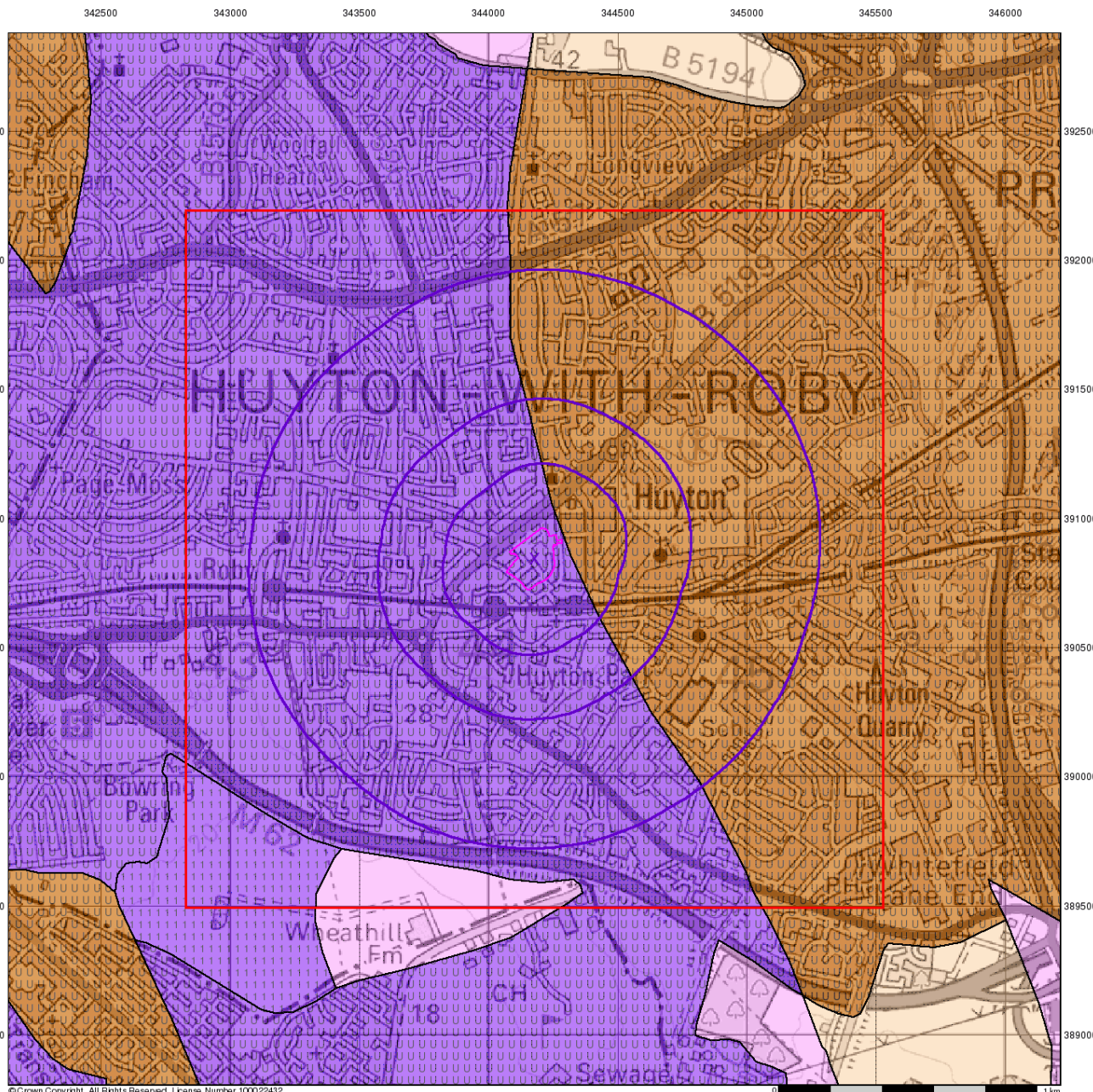
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council	August 2018 August 2018 August 2018 August 2018	As notified As notified As notified As notified
Areas of Unadopted Green Belt Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council	August 2018 August 2018 August 2018 August 2018	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Municipal Buildings, Cherryfield Drive, Kirkby, Knowsley, Merseyside, L32 1TX	Telephone: 0151 443 4731 Fax: 0151 289 7488 Website: www.knowsley.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Knowsley Metropolitan Borough Council Archway Road, Huyton, Liverpool, Merseyside, L36 9YU	Telephone: 0151 489 6000 Fax: 0151 443 2298 Website: www.knowsley.gov.uk
7	Merseyside Waste Disposal Authority 2nd Floor, North House, 17 North John Street, Liverpool, Merseyside, L2 5QY	Telephone: 0151 2551444 Fax: 0151 2271848 Email: enquiries@merseysidewda.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Liverpool City Council 5th floor, Steers House, Canning Place, Liverpool, Merseyside, L1 8JA	Telephone: 0151 227 3911 Fax: 0151 709 1481 Website: www.liverpool.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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0 1 km



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Groundwater Vulnerability

General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

Agency and Hydrological

Geological Classes

Major Aquifer
(Highly Permeable)

Minor Aquifer
(Variably Permeable)

Non Aquifer
(Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

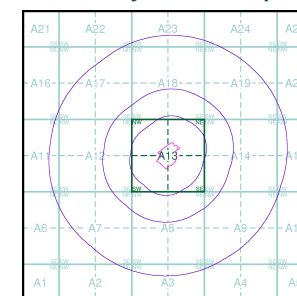
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

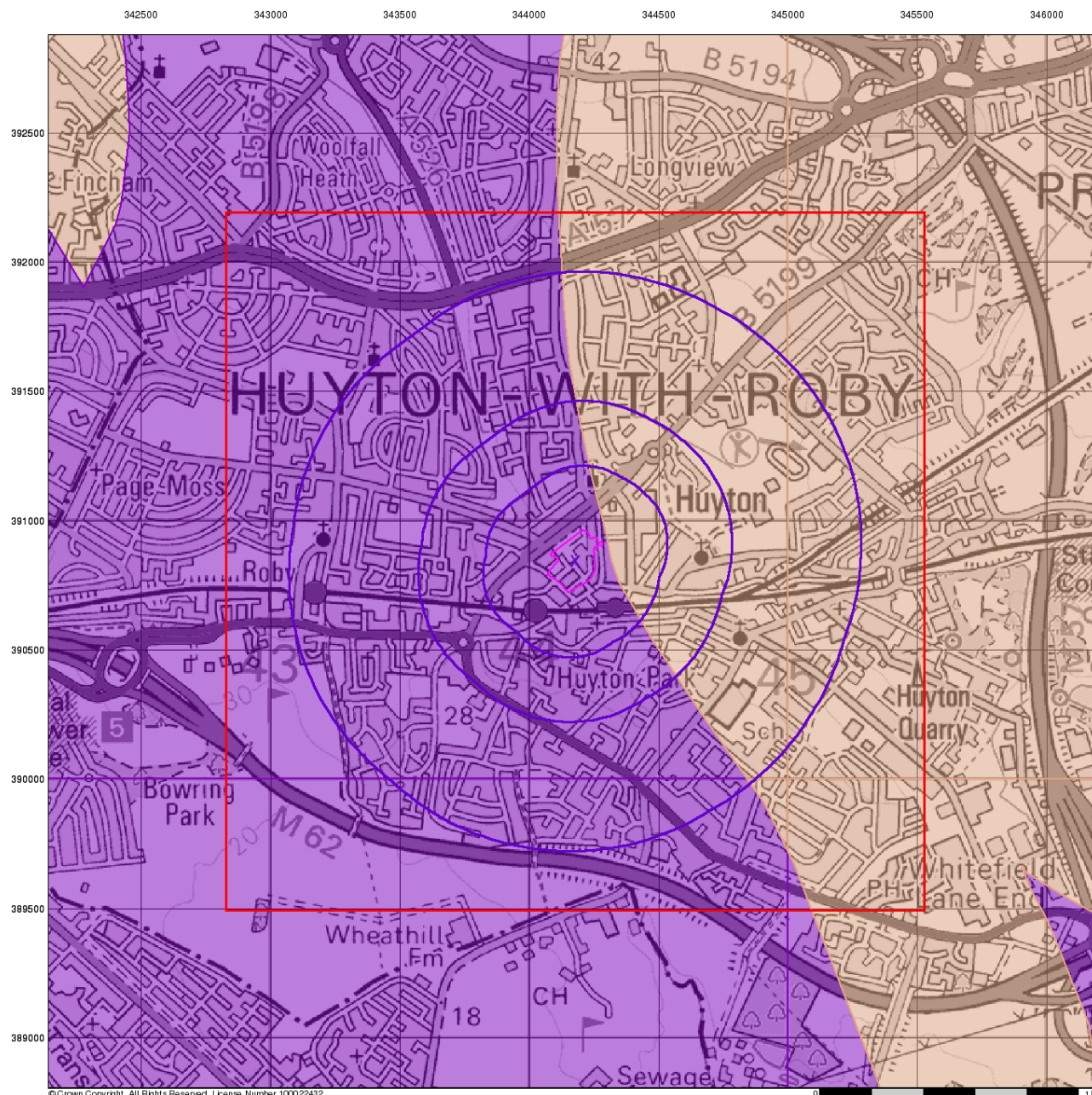
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

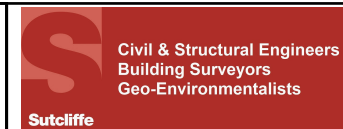
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Bedrock Aquifer Designation

General

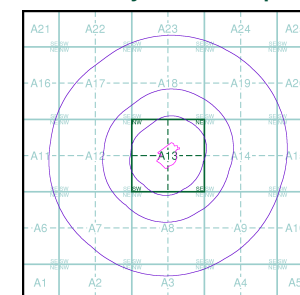
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

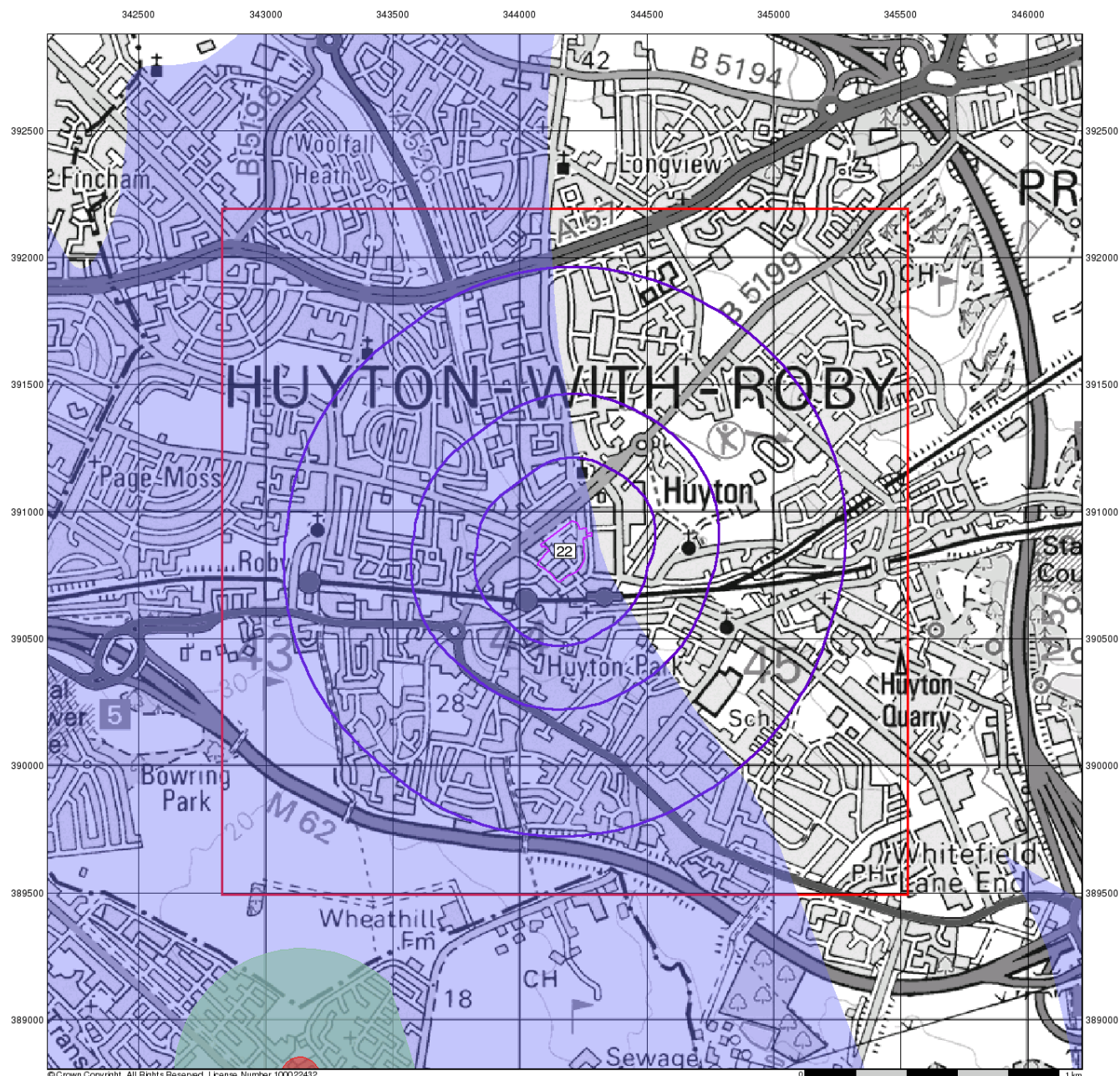
Order Number: 184912051_1_1
 Customer Ref: 30104LG
 National Grid Reference: 344180, 390840
 Slice: A
 Site Area (Ha): 2.88
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

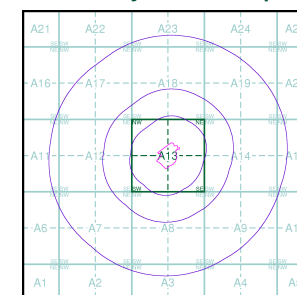
General

- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- ▨ Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- ▨ Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- ▨ Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

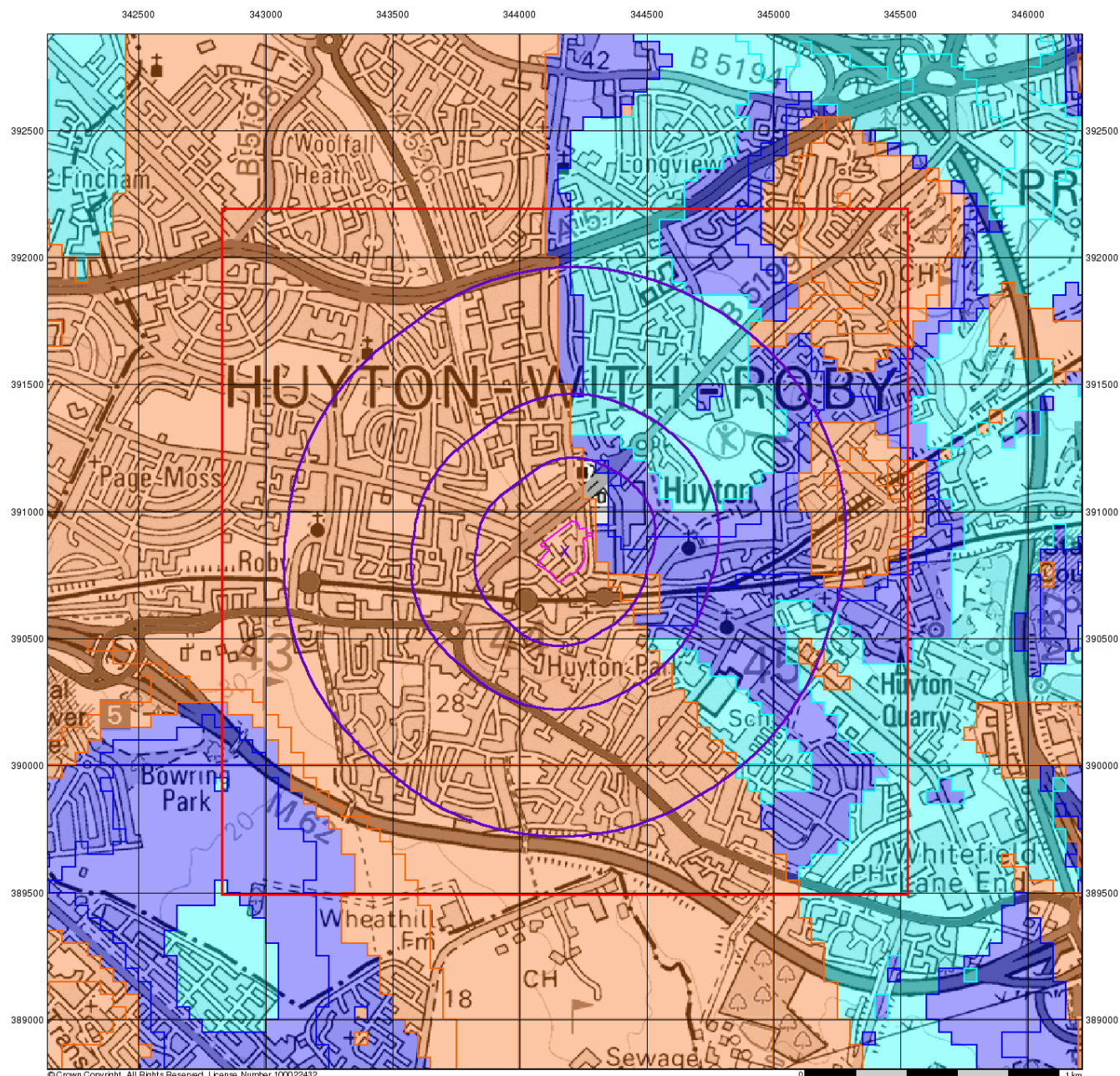
Order Number: 184912051_1_1
 Customer Ref: 30104LG
 National Grid Reference: 344180, 390840
 Slice: A
 Site Area (Ha): 2.88
 Search Buffer (m): 1000

Site Details

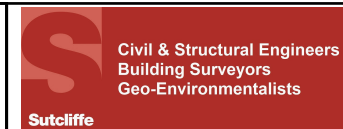
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BGS Flood GFS Data

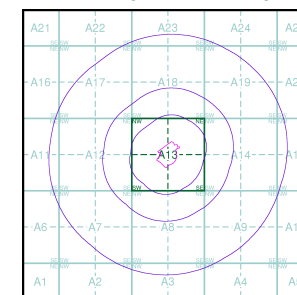
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

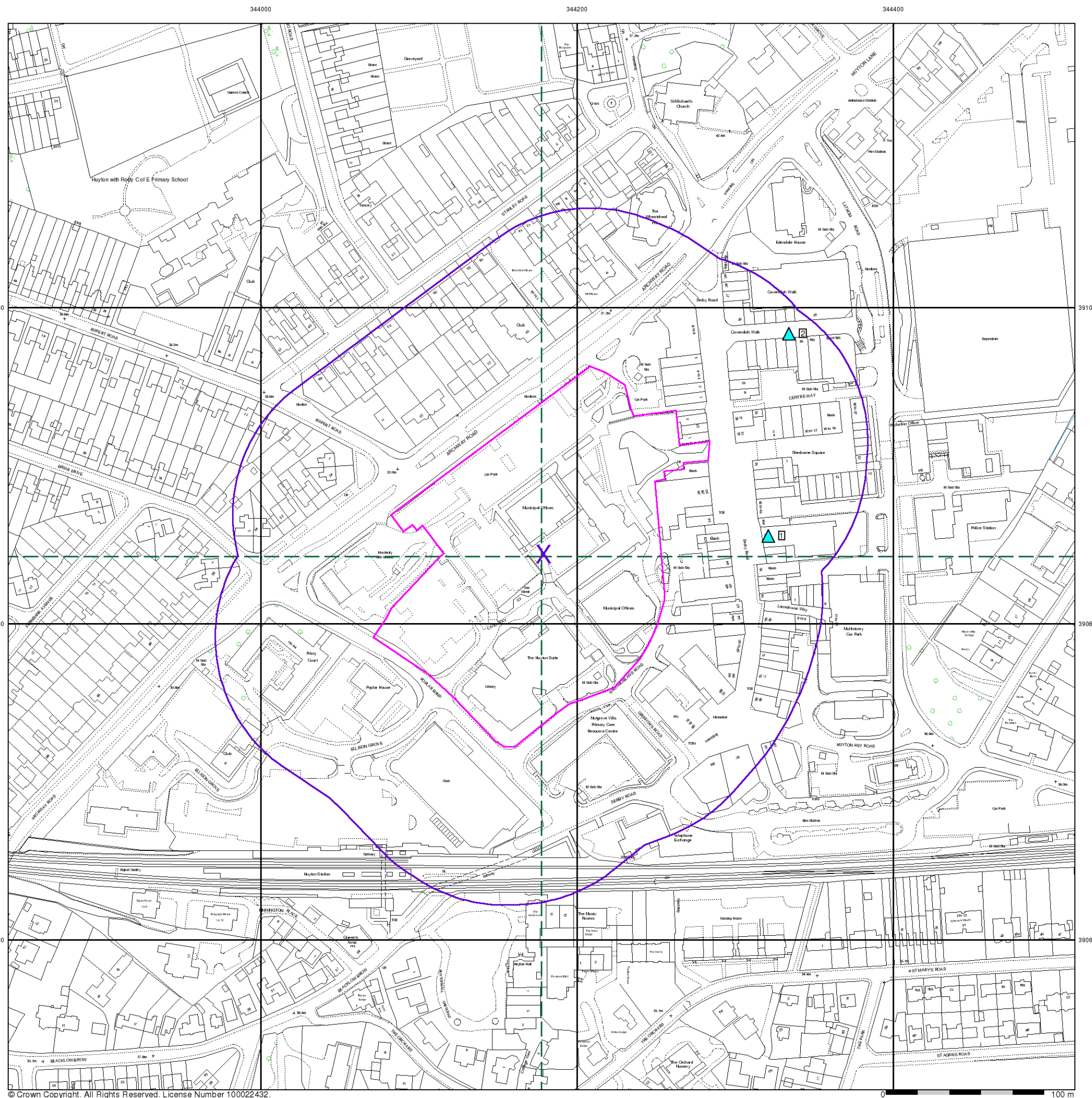
Order Number: 184912051_1_1
 Customer Ref: 30104LG
 National Grid Reference: 344180, 390840
 Slice: A
 Site Area (Ha): 2.88
 Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

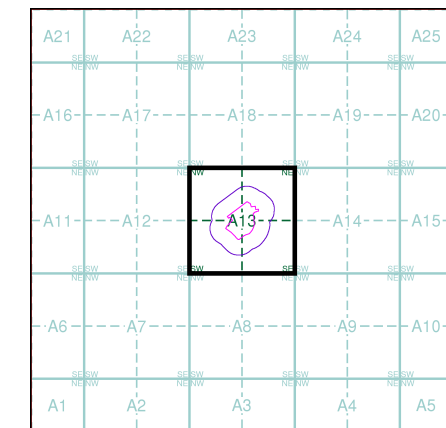


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



Order Details

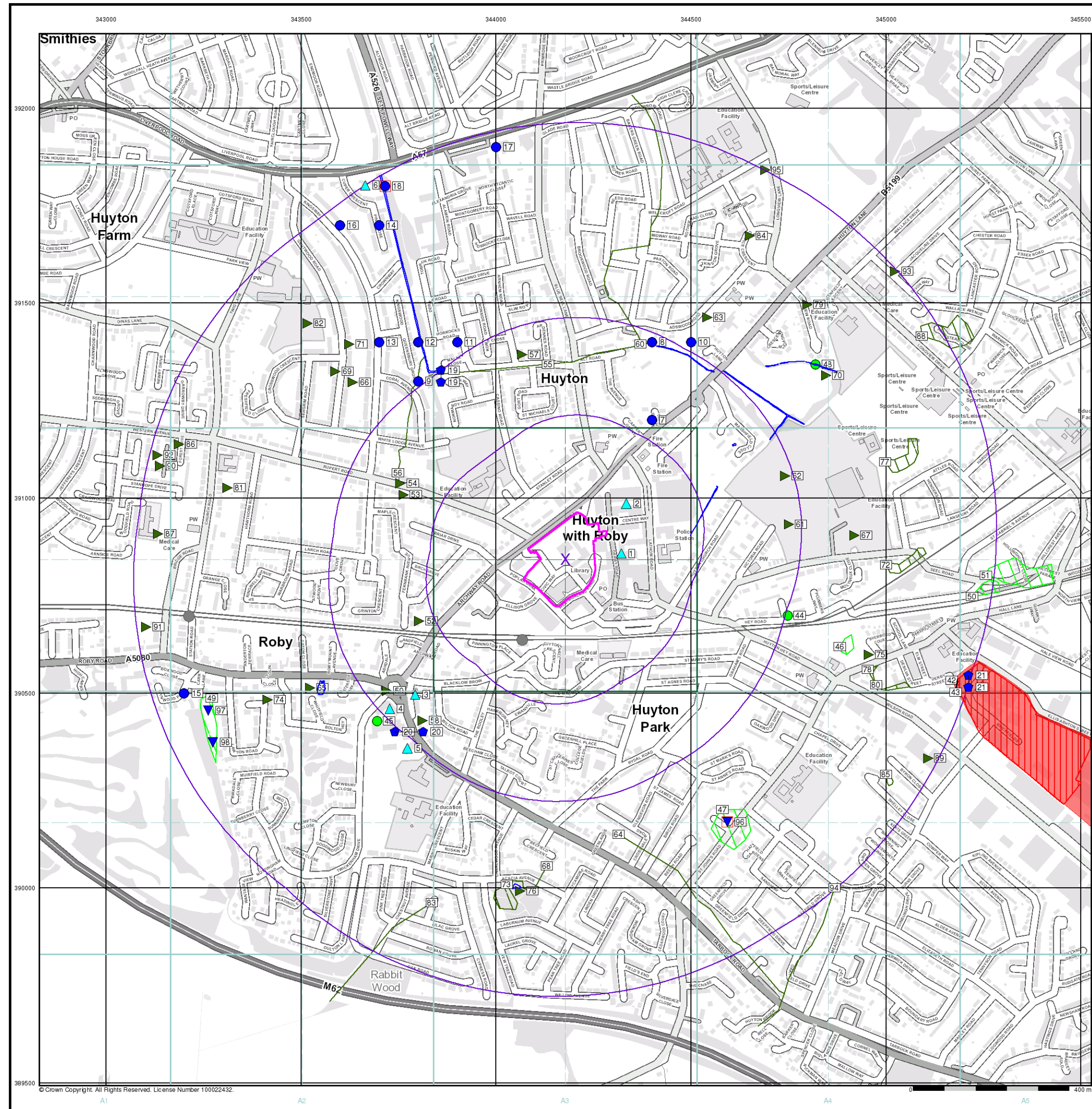
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Plot Buffer (m): 100

Site Details

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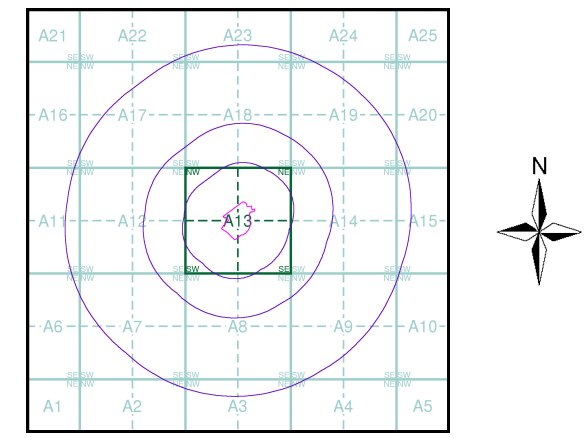


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- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
 - COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
 - BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



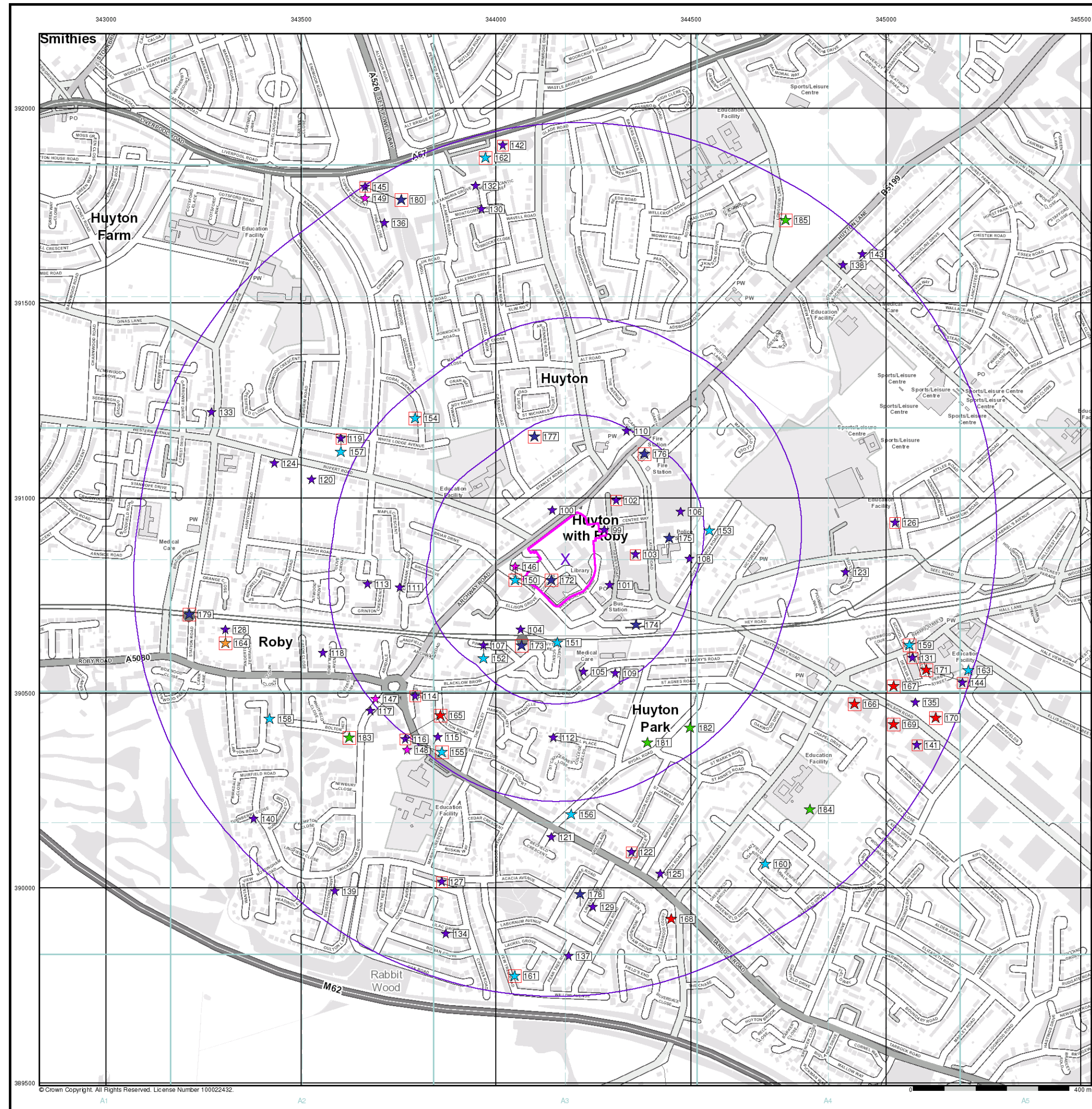
Order Details
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details
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Industrial Land Use Map

- General
-  Specified Site

 Specified Buffer(s)

 Bearing Reference Point

 Slice

 Map ID
- Industrial Land Use
-  Contemporary Trade Directory Entry

 Fuel Station Entry

 Gas Pipeline

 Points of Interest - Commercial Services

 Points of Interest - Education and Health

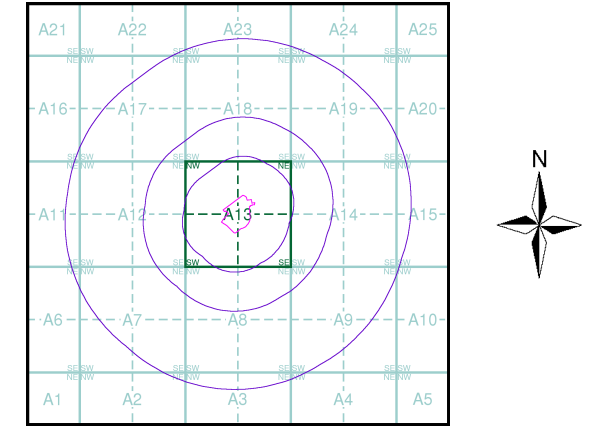
 Points of Interest - Manufacturing and Production

 Points of Interest - Public Infrastructure

 Points of Interest - Recreational and Environmental

 Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number:

184912051_1_1

Customer Ref:

30104LG

National Grid Reference:

344180, 390840

Slice:

A

Site Area (Ha):

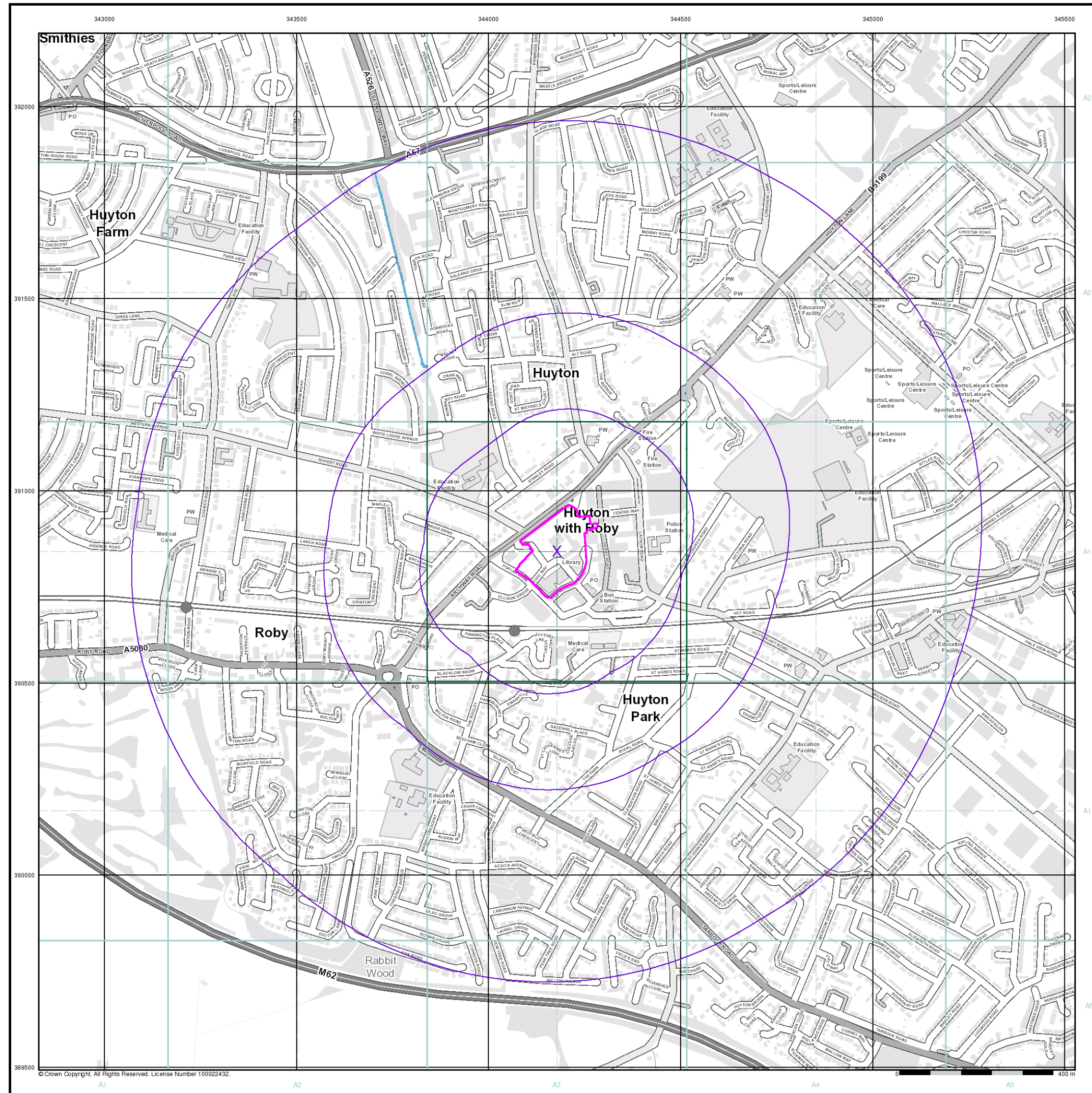
2.88

Search Buffer (m):

1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD





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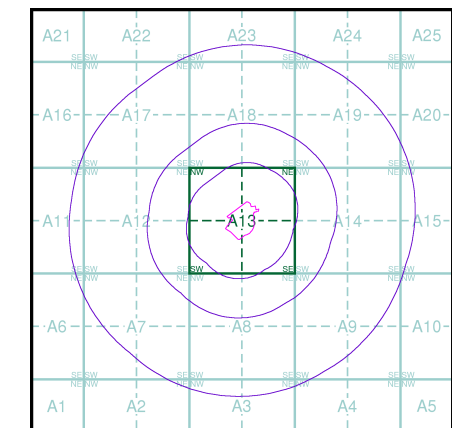
General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Agency and Hydrological (Flood)

-  Extreme Flooding from Rivers or Sea without Defences (Zone 2)
-  Flooding from Rivers or Sea without Defences (Zone 3)
-  Area Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

Flood Map - Slice A



Order Details

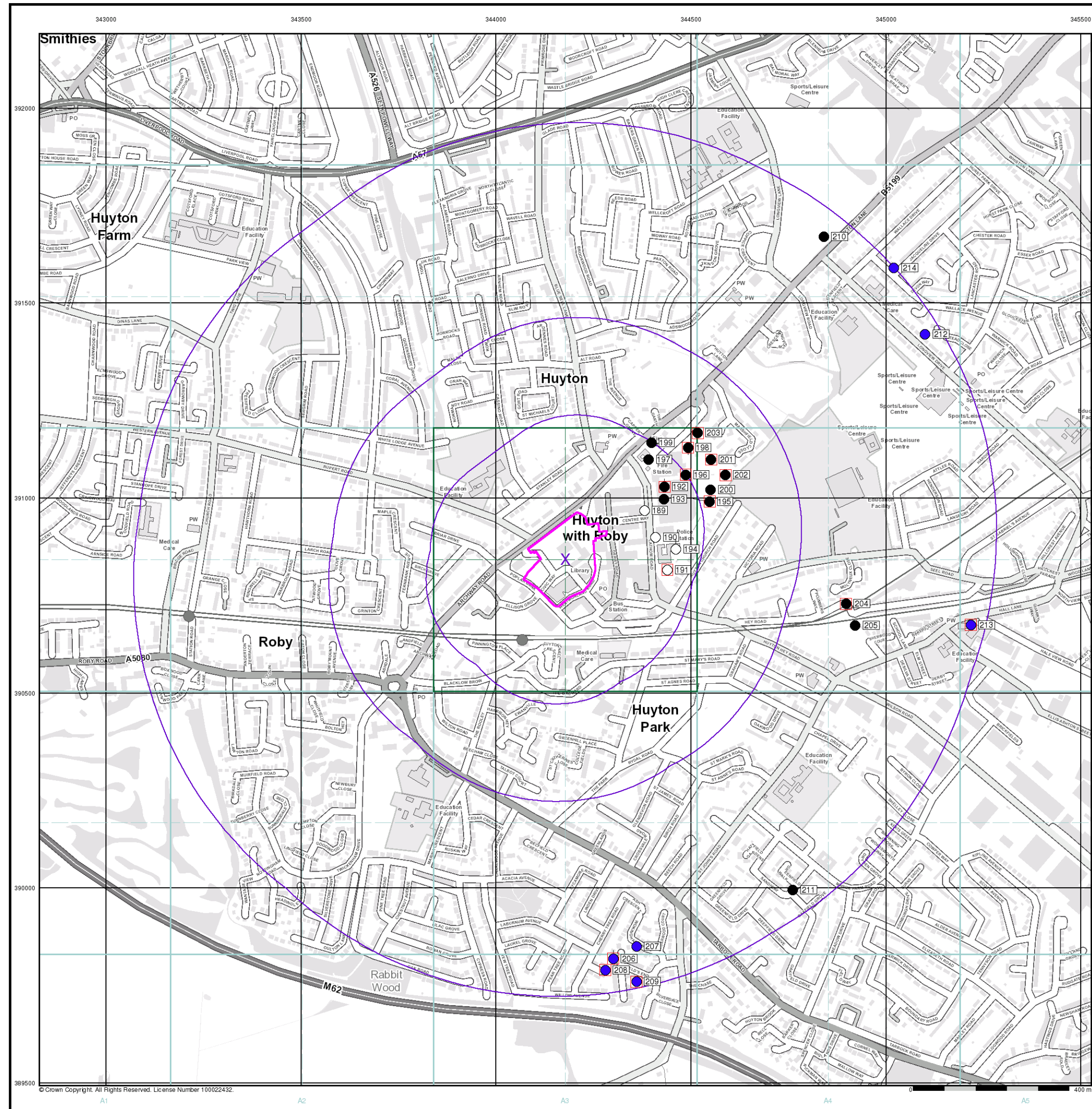
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

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General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Map ID
-  Several of Type at Location

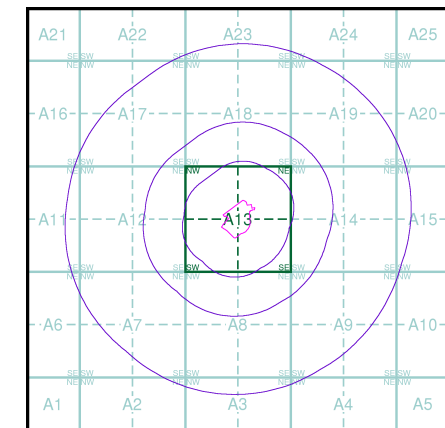
Agency and Hydrological (Boreholes)

-  BGS Borehole Depth 0 - 10m
-  BGS Borehole Depth 10 - 30m
-  BGS Borehole Depth 30m +
-  Confidential
-  Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

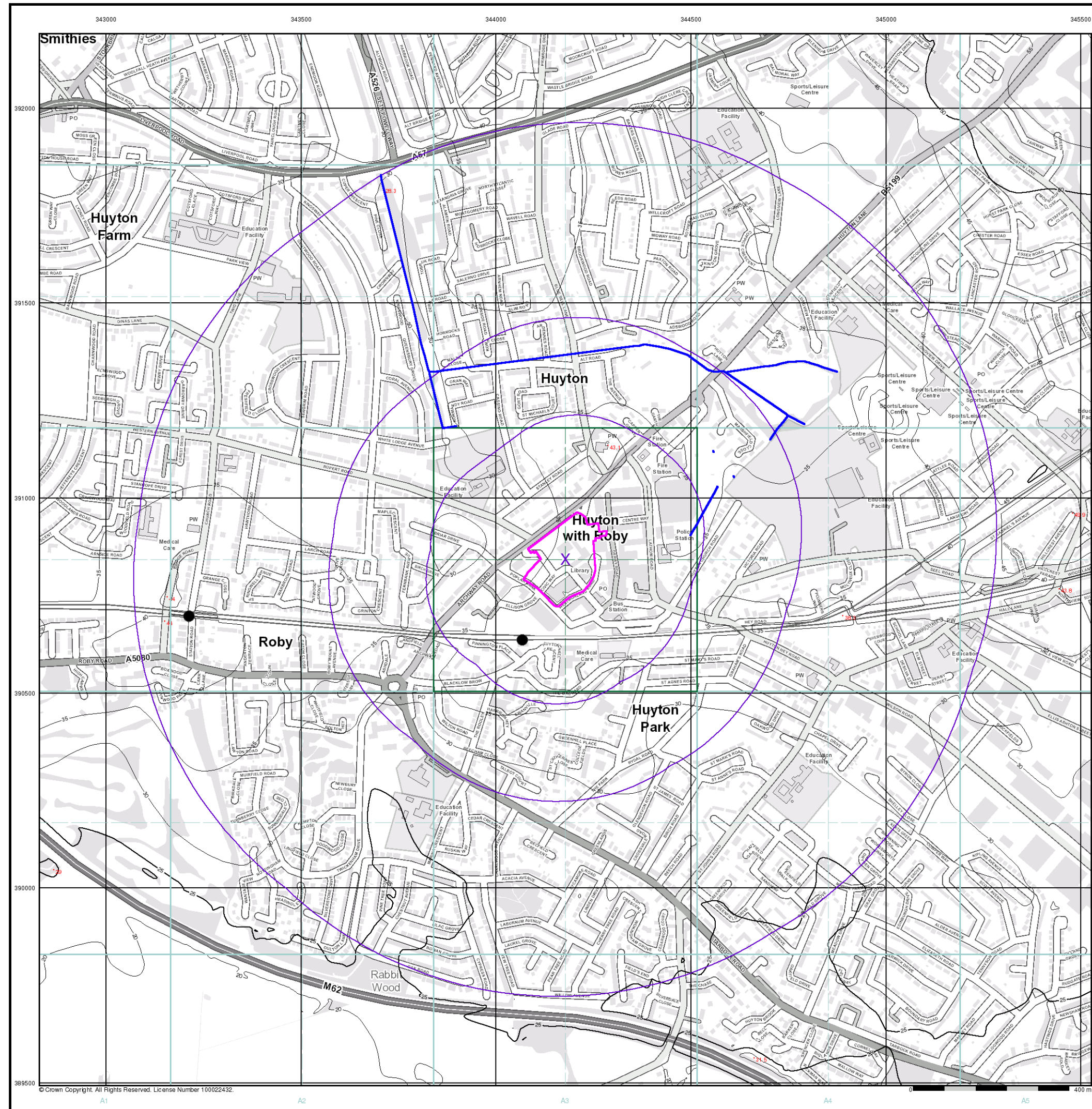
Site Details

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General

 Specified Site

 Specified Buffer(s)

 Bearing Reference Point

OS Water Network Data

 Canal

 Reservoir

 Foreshire

 Marsh

 Tidal River

 Inland River

 Drain

 Other

 Lake

 Transfer

 Lock Or Flight Of Locks

 Sea

Contours (height in meters)

Standard Contour

Master Contour

Spot Height

 105

 100

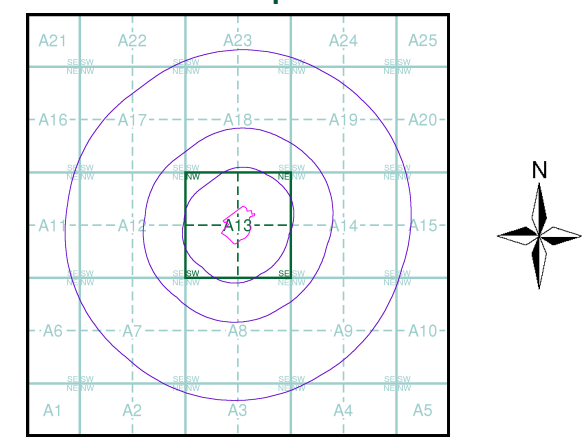
 95

 Mean Low Water

 Mean High Water

 167.3

OS Water Network Map - Slice A



Order Details

Order Number:

Customer Ref:

National Grid Reference:

Slice:

Site Area (Ha):

Search Buffer (m):

184912051_1_1

30104LG

344180, 390840

A

2.88

1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

Landmark

INFORMATION GROUP

Tel:

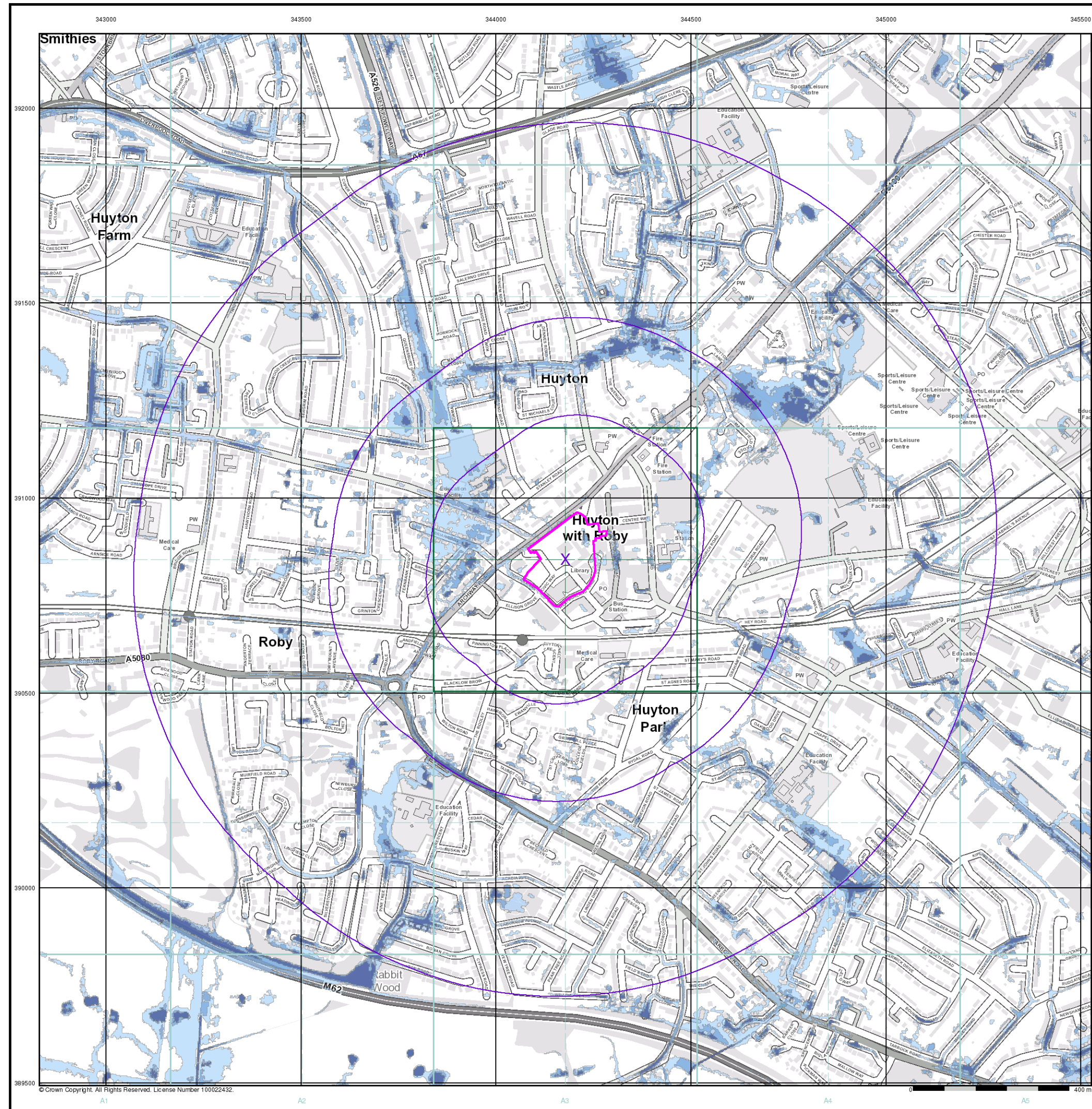
Fax:

Web:

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General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Risk of Flooding from Surface Water

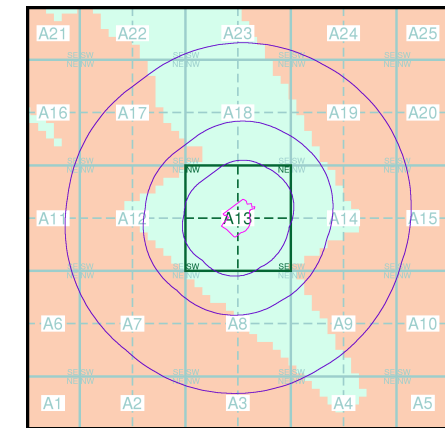
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

E/NRW Suitability Map - Slice A



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

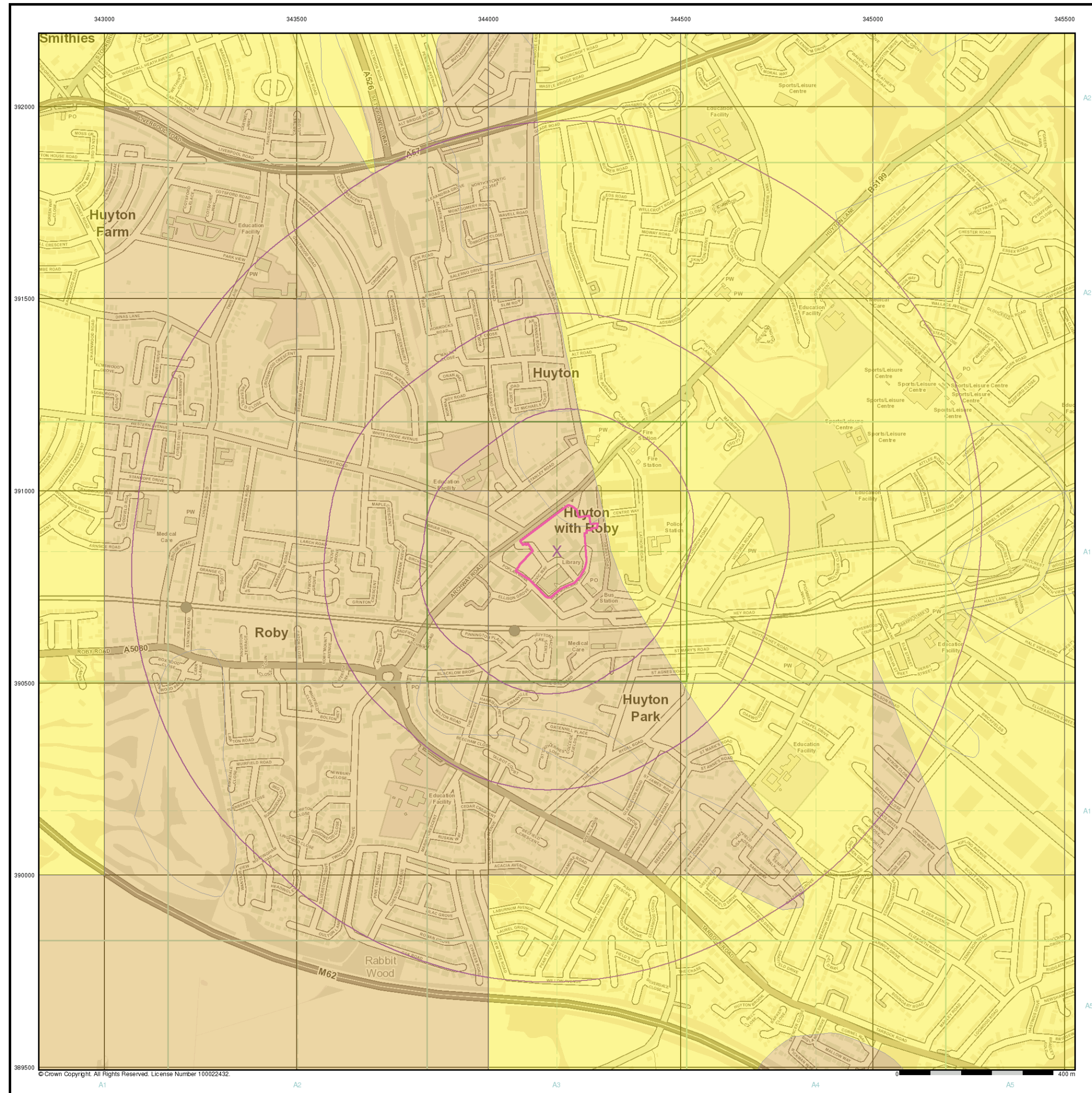
Site Details

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Geo-Environmentalists

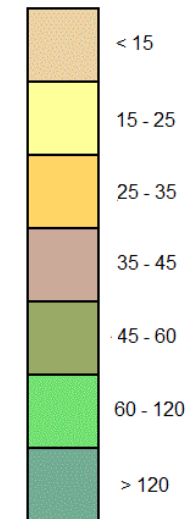
Sutcliffe

General

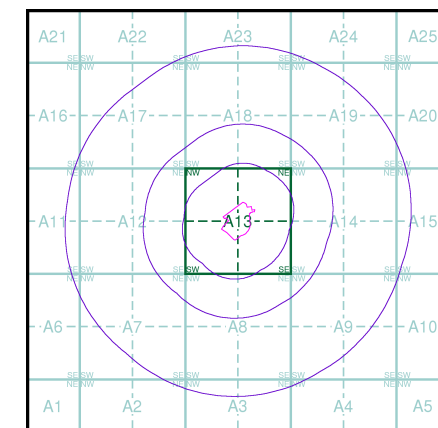
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details:

Customer Ref:

National Grid Reference:

Slice:

Site Area (Ha):

Search Buffer (m):

184912051_1_1

30104LG

344180, 390840

A

2.88

1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

Landmark®

INFORMATION GROUP

Tel:

Fax:

Web:

0844 844 9952

0844 844 9951

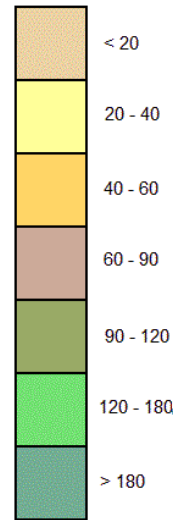
www.envirocheck.co.uk

General

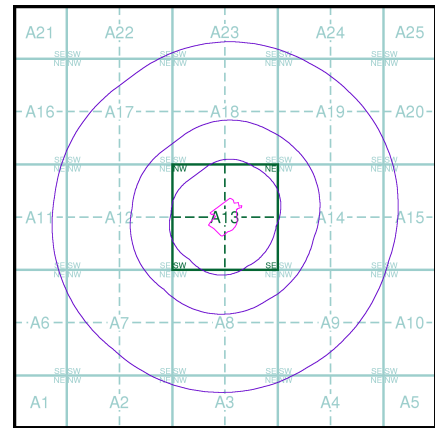
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

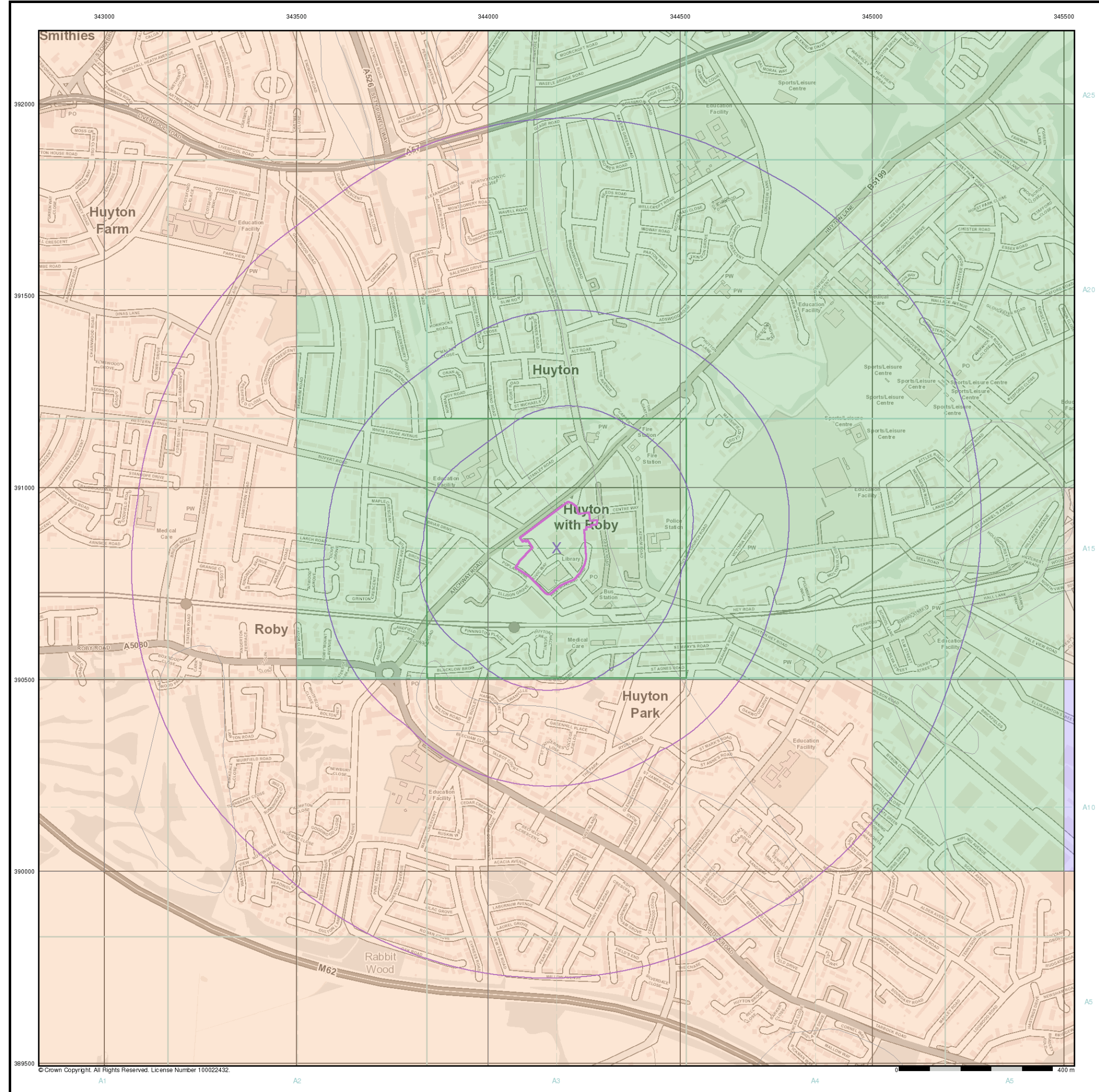


Order Details

Order Details: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD



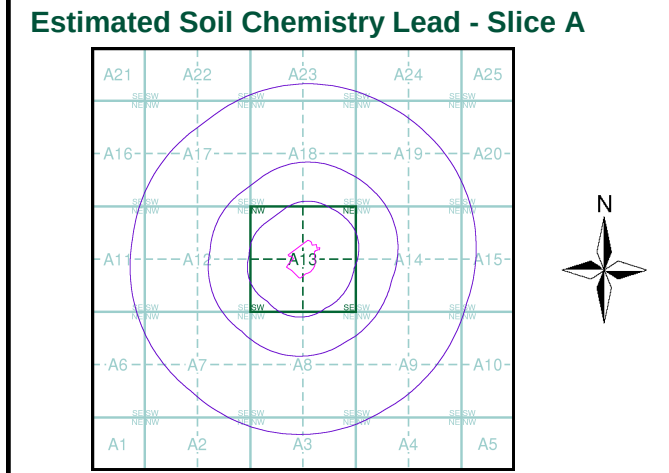
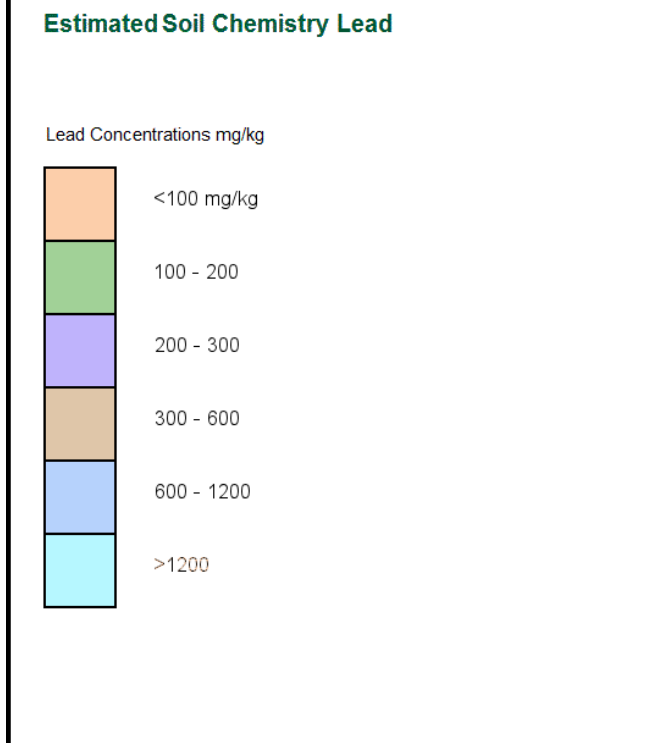


Civil & Structural Engineers
Building Surveyors
Geo-Environmentalists

Sutcliffe

General

 Specified Site  Specified Buffer(s)  Bearing Reference Point

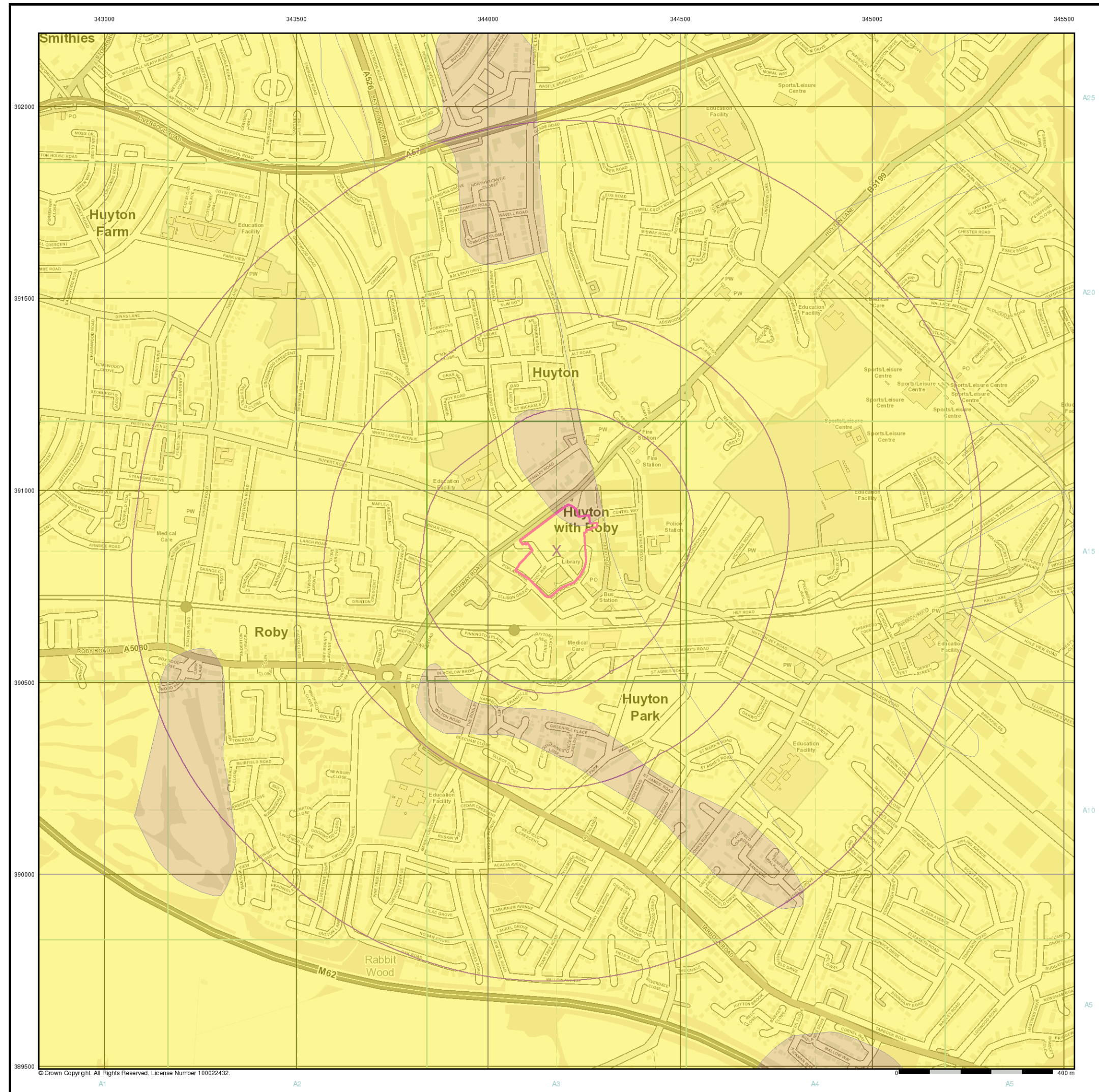


Order Details

Order Details: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

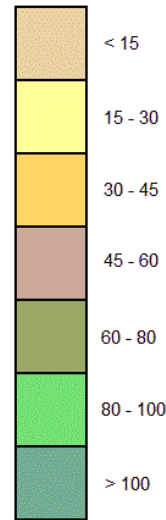


General

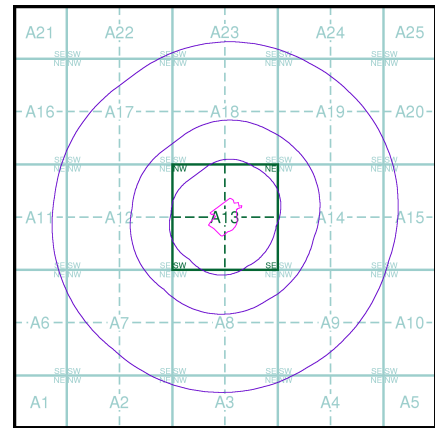
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

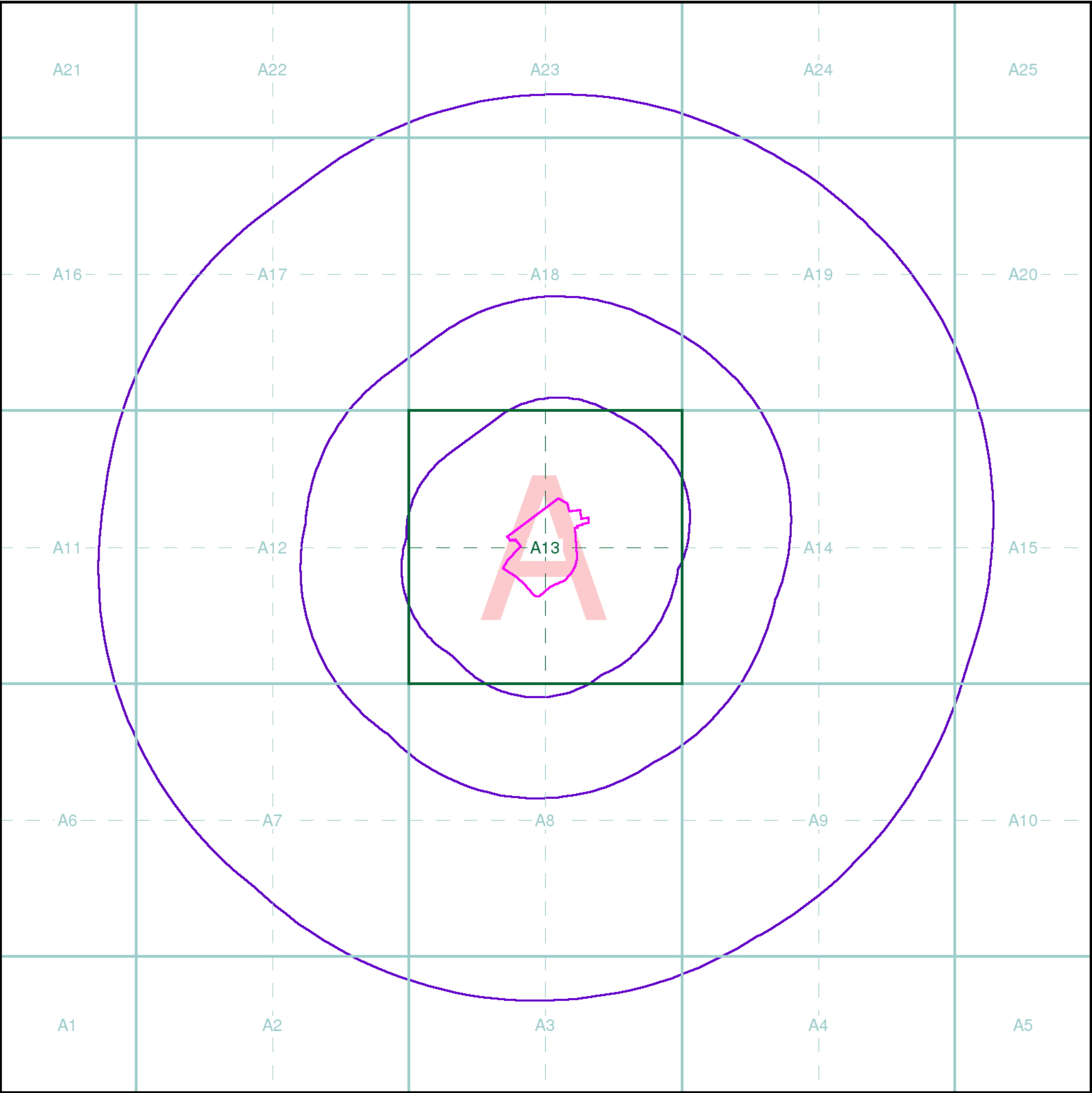


Order Details

Order Details: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD



Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

MR W Baldwin, Sutcliffe Projects Ltd, 18-20 Harrington Street, Liverpool, L2 9QA

Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

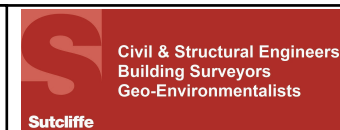
Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	KNSF	Kinnerton Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	RHR	Ravenhead Rock	Sandstone	Not Supplied - Westphalian
	ETM	Etruria Formation	Mudstone, Sandstone and Conglomerate	Not Supplied - Westphalian
	ETM	Etruria Formation	Mudstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		



Geology 1:50,000 Maps

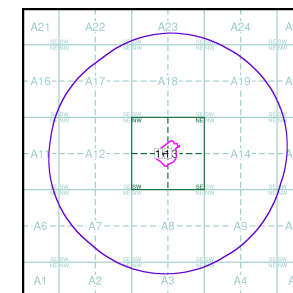
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	097
Map Name:	Runcorn
Map Date:	1977
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

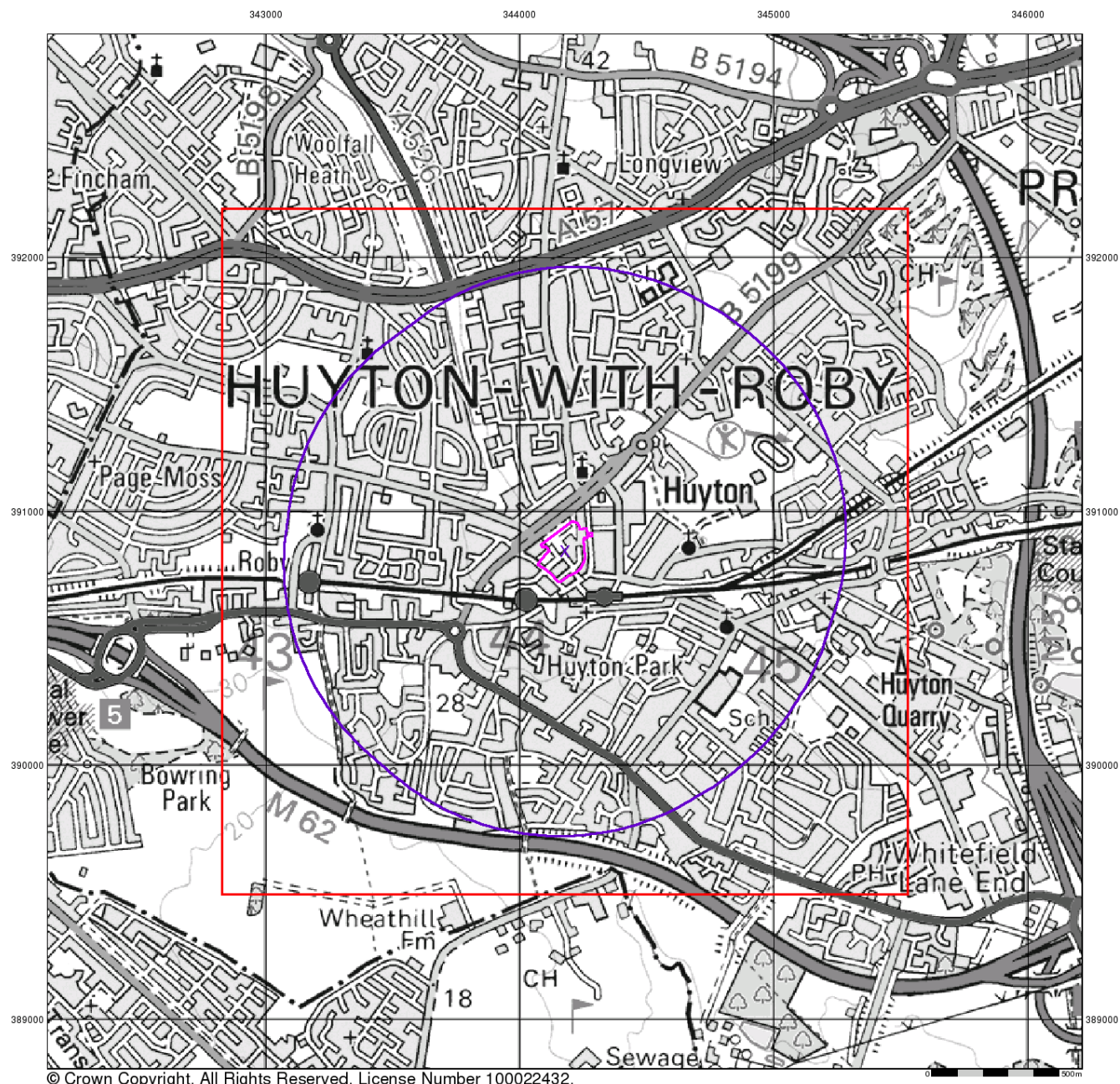


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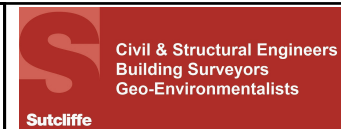
Order Number:	184912051_1_1
Customer Reference:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

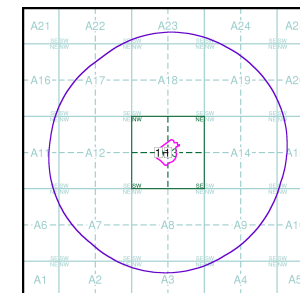
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

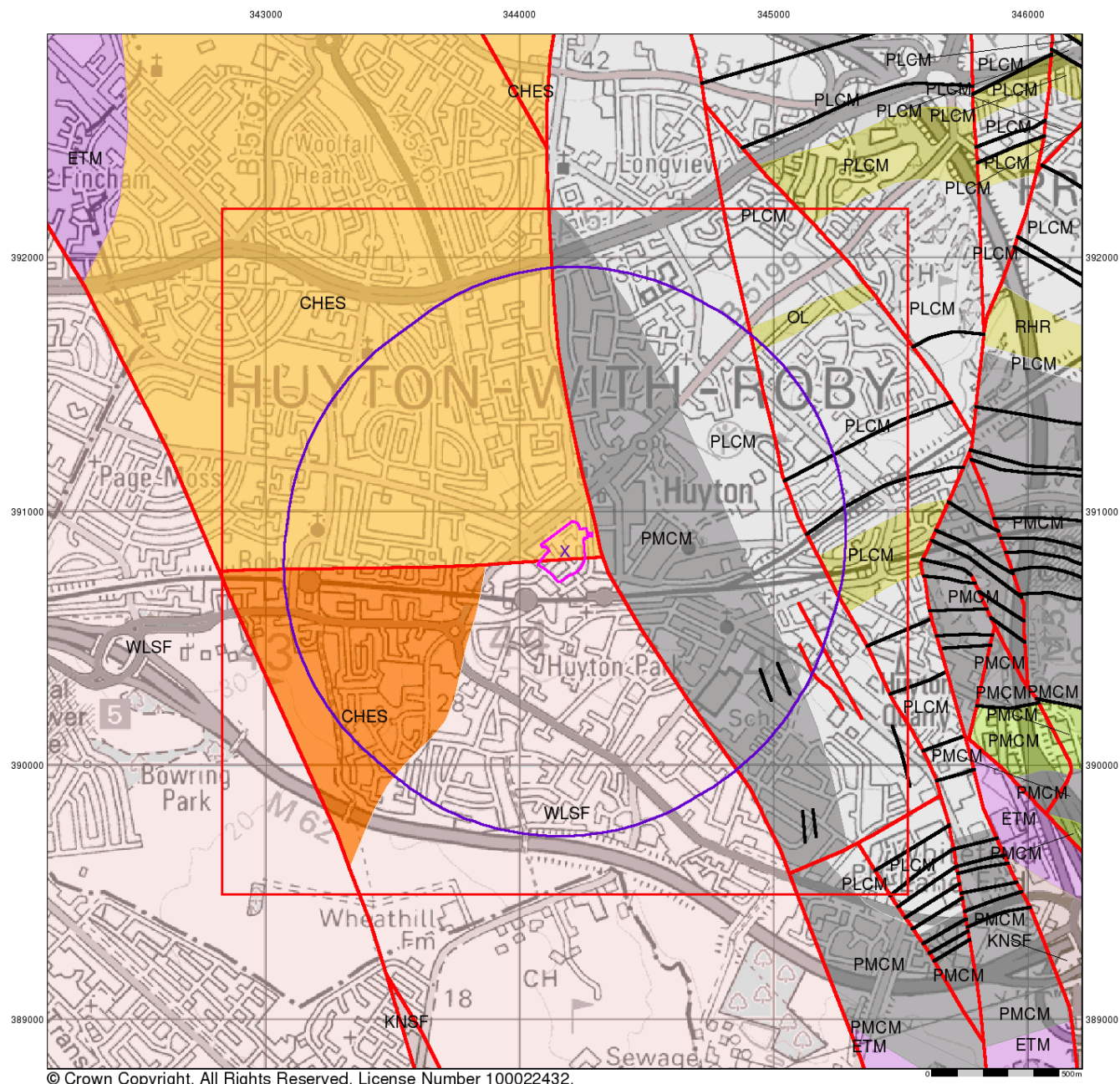
Order Number: 184912051_1_1
 Customer Reference: 30104LG
 National Grid Reference: 344180, 390840
 Slice: A
 Site Area (Ha): 2.88
 Search Buffer (m): 1000

Site Details:

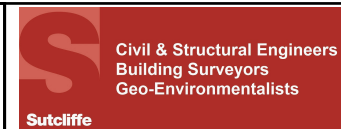
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 Fax: 0844 844 9951
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Bedrock and Faults

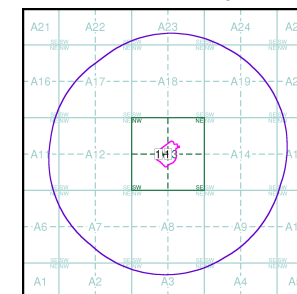
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

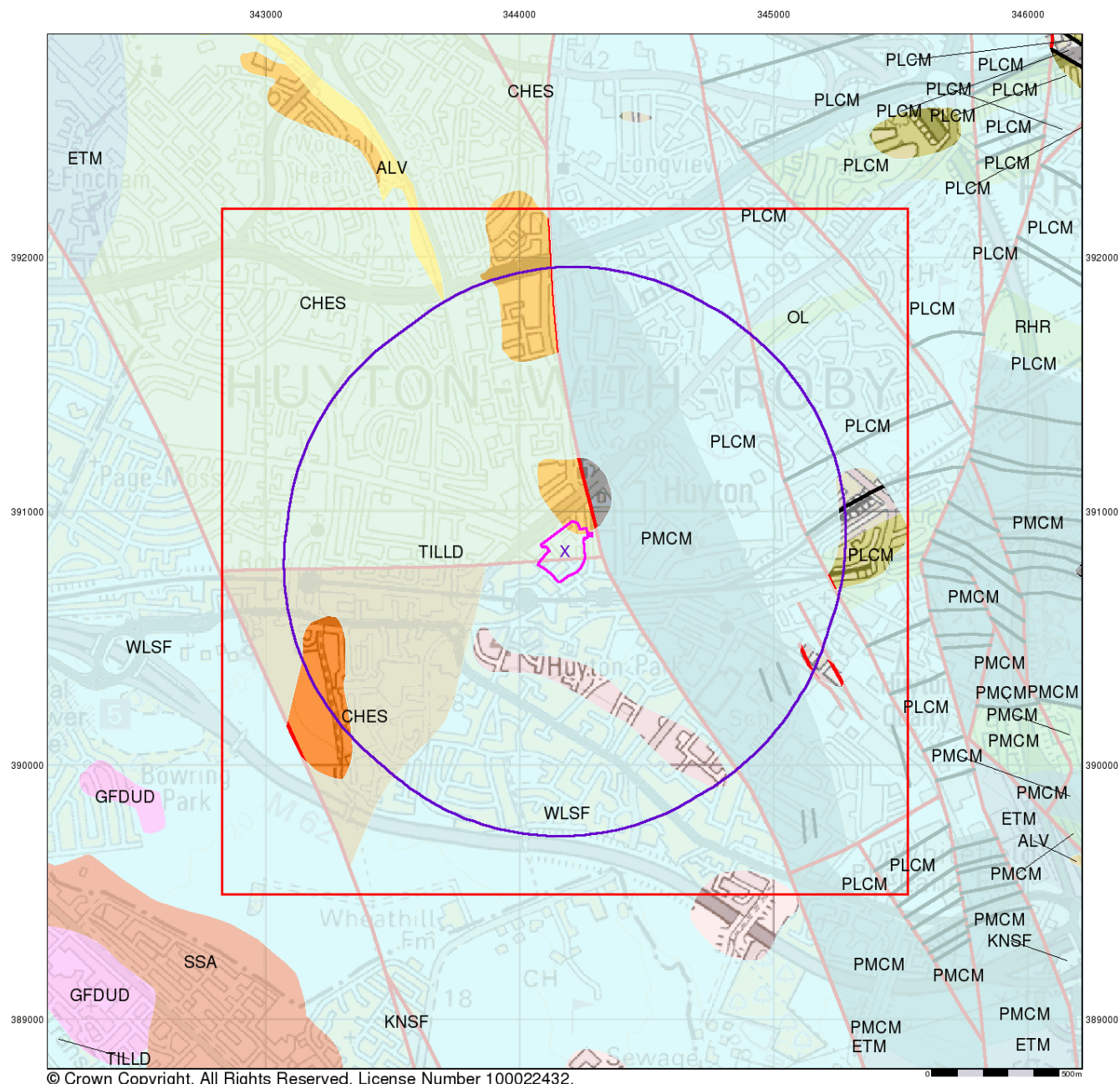
Order Number: 184912051_1_1
 Customer Reference: 30104LG
 National Grid Reference: 344180, 390840
 Slice: A
 Site Area (Ha): 2.88
 Search Buffer (m): 1000

Site Details:

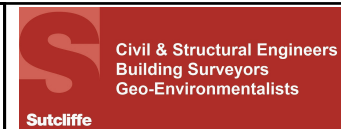
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

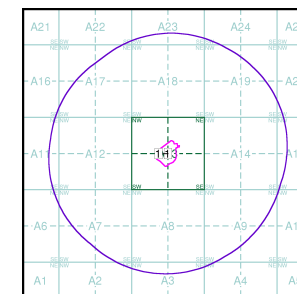
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 184912051_1_1
Customer Reference: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details:

Huyton Village, LIVERPOOL, L36 9GD



Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

285 Surface Level

Sketched Contour

Instrumental Contour

Main Roads Fenced/Un-Fenced

Minor Roads Fenced/Un-Fenced

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

Road over Stream

Road over Stream

County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Burgh Boundary (Scotland)

Rural District Boundary

Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry

Gravel Pit

Sand Pit

Disused Pit or Quarry

Refuse or Slag Heap

Lake, Loch or Pond

Dunes

Boulders

Coniferous Trees

Non-Coniferous Trees

Orchard

Scrub

Coppice

Bracken

Heath

Rough Grassland

Marsh

Reeds

Saltings

Building

Glasshouse

Sloping Masonry

Pylon

Electricity Transmission Line

Pole

Cutting

Embankment

Standard Gauge Multiple Track

Standard Gauge Single Track

Siding, Tramway or Mineral Line

Narrow Gauge

Geographical County

Administrative County, County Borough or County of City

Municipal Borough, Urban or Rural District, Burgh or District Council

Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries

Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS Boundary Post or Stone

Ch Church

CH Club House

F E Sta Fire Engine Station

FB Foot Bridge

Fn Fountain

GP Guide Post

MP Mile Post

MS Mile Stone

Pol Sta Police Station

PO Post Office

PC Public Convenience

PH Public House

SB Signal Box

Spr Spring

TCB Telephone Call Box

TCP Telephone Call Post

W Well

1:10,000 Raster Mapping

Gravel Pit

Refuse tip or slag heap

Rock

Rock (scattered)

Boulders

Boulders (scattered)

Shingle

Mud

Sand

Sand Pit

Slopes

Top of cliff

General detail

Underground detail

Overhead detail

Narrow gauge railway

Multi-track railway

Single track railway

County boundary (England only)

Civil, parish or community boundary

District, Unitary, Metropolitan, London Borough boundary

Constituency boundary

Area of wooded vegetation

Non-coniferous trees

Non-coniferous trees (scattered)

Coniferous trees

Coniferous trees (scattered)

Positioned tree

Orchard

Coppice or Osiers

Rough Grassland

Heath

Scrub

Marsh, Salt Marsh or Reeds

Water feature

Flow arrows

MHW(S) Mean high water (springs)

MLW(S) Mean low water (springs)

Telephone line (where shown)

Electricity transmission line (with poles)

Bench mark (where shown)

Triangulation station

Point feature (e.g. Guide Post or Mile Stone)

Pylon, flare stack or lighting tower

Site of (antiquity)

Glasshouse

General Building

Important Building

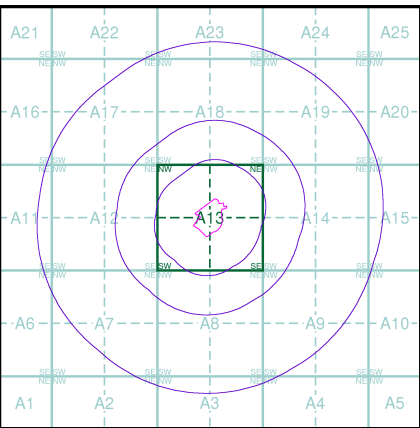
Civil & Structural Engineers
Building Surveyors
Geo-Environmentalists

Sutcliffe

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	3
Cheshire	1:10,560	1881	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1908	6
Lancashire And Furness	1:10,560	1928	7
Lancashire And Furness	1:10,560	1928	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1965 - 1967	11
Ordnance Survey Plan	1:10,000	1974 - 1978	12
Liverpool	1:10,000	1974	13
Ordnance Survey Plan	1:10,000	1982	14
St Helens	1:10,000	1984	15
Ordnance Survey Plan	1:10,000	1990 - 1991	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2018	19

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

Landmark

INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A) З з (Z) П п (P) Ч ч (CH)

Б б (B) И и (I) Р р (R) Ш ш (SH)

В в (V) Й й (Y) С с (S) Щ щ (SHCH)

Г г (G) К к (K) Т т (T) Ъ ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь ь (')

Ё ё (YO) Н н (N) Х х (KH) Э э (E)

Ж ж (ZH) О о (O) Ц ц (TS) Ю ю (YU or IU)

Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

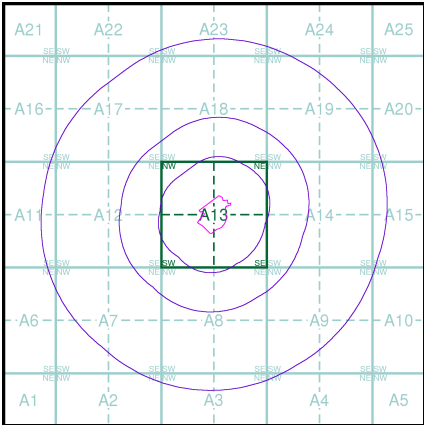
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Building Surveyors
Geo-Environmentalists

Sutcliffe

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Lancashire And Furness	1:10,560	1908	6
Lancashire And Furness	1:10,560	1928	7
Lancashire And Furness	1:10,560	1928	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1965 - 1967	11
Ordnance Survey Plan	1:10,000	1974 - 1978	12
Liverpool	1:10,000	1974	13
Ordnance Survey Plan	1:10,000	1982	14
St Helens	1:10,000	1984	15
Ordnance Survey Plan	1:10,000	1990 - 1991	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2018	19

Russian Map - Slice A



Order Details

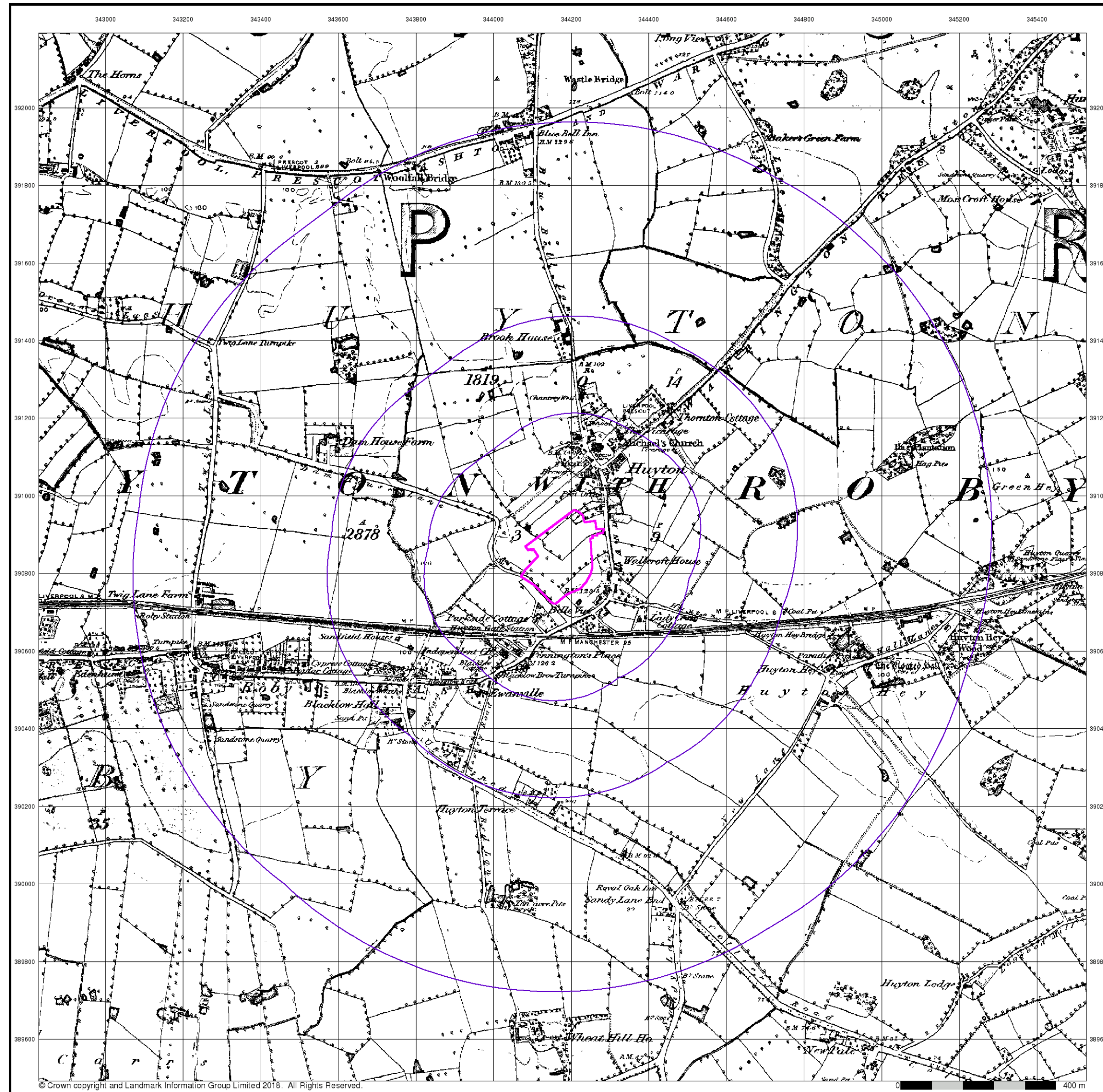
Order Number: 184912051_1_1
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Civil & Structural Engineers
Building Surveyors
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Sutcliffe

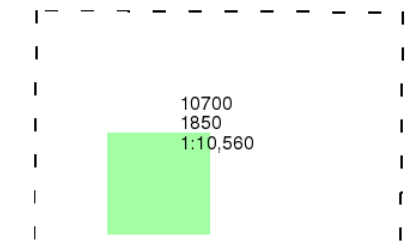
Lancashire And Furness

Published 1850

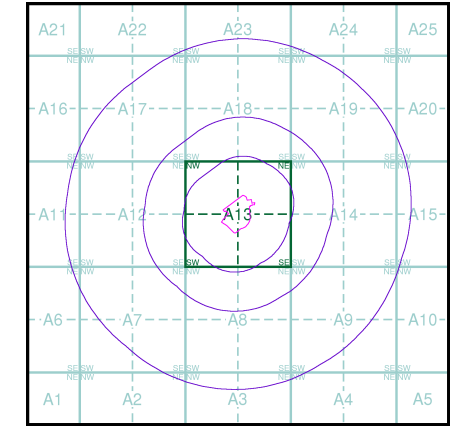
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details	
Order Number:	184912051_1_1
Customer Ref:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
Search Buffer (m):	1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

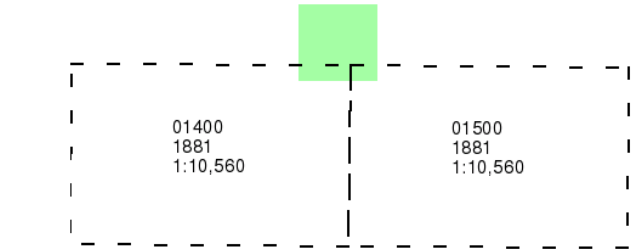
Cheshire

Published 1881

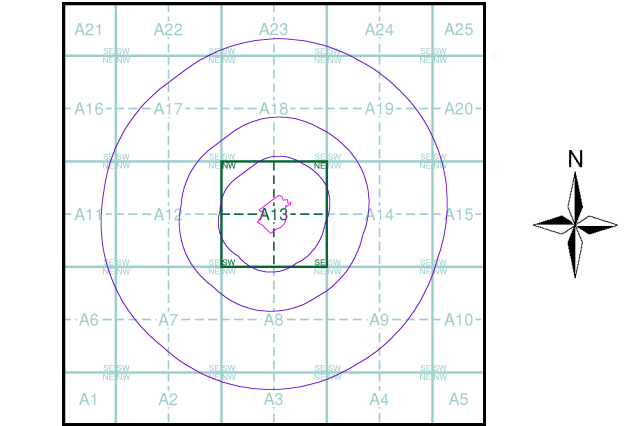
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

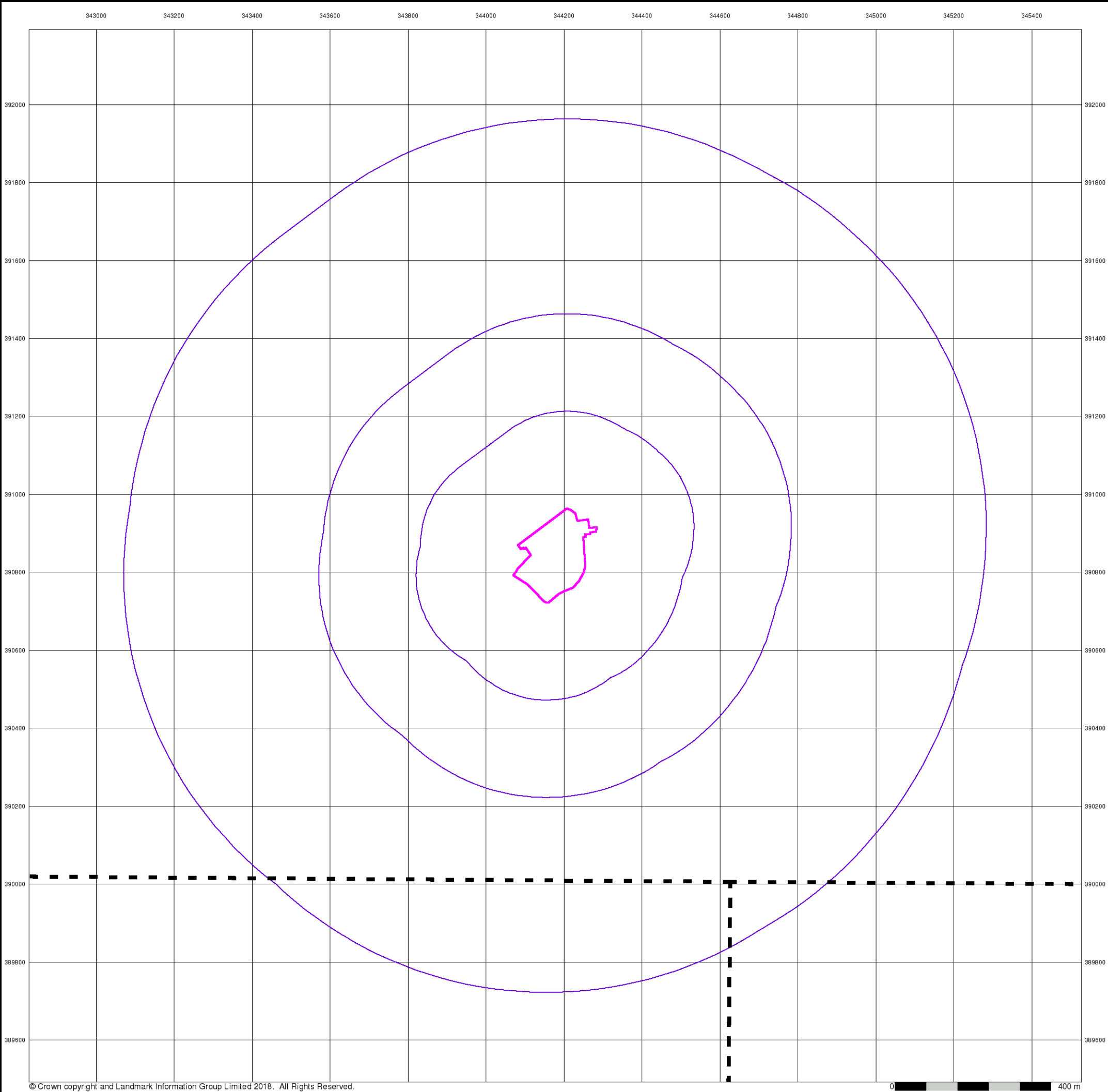


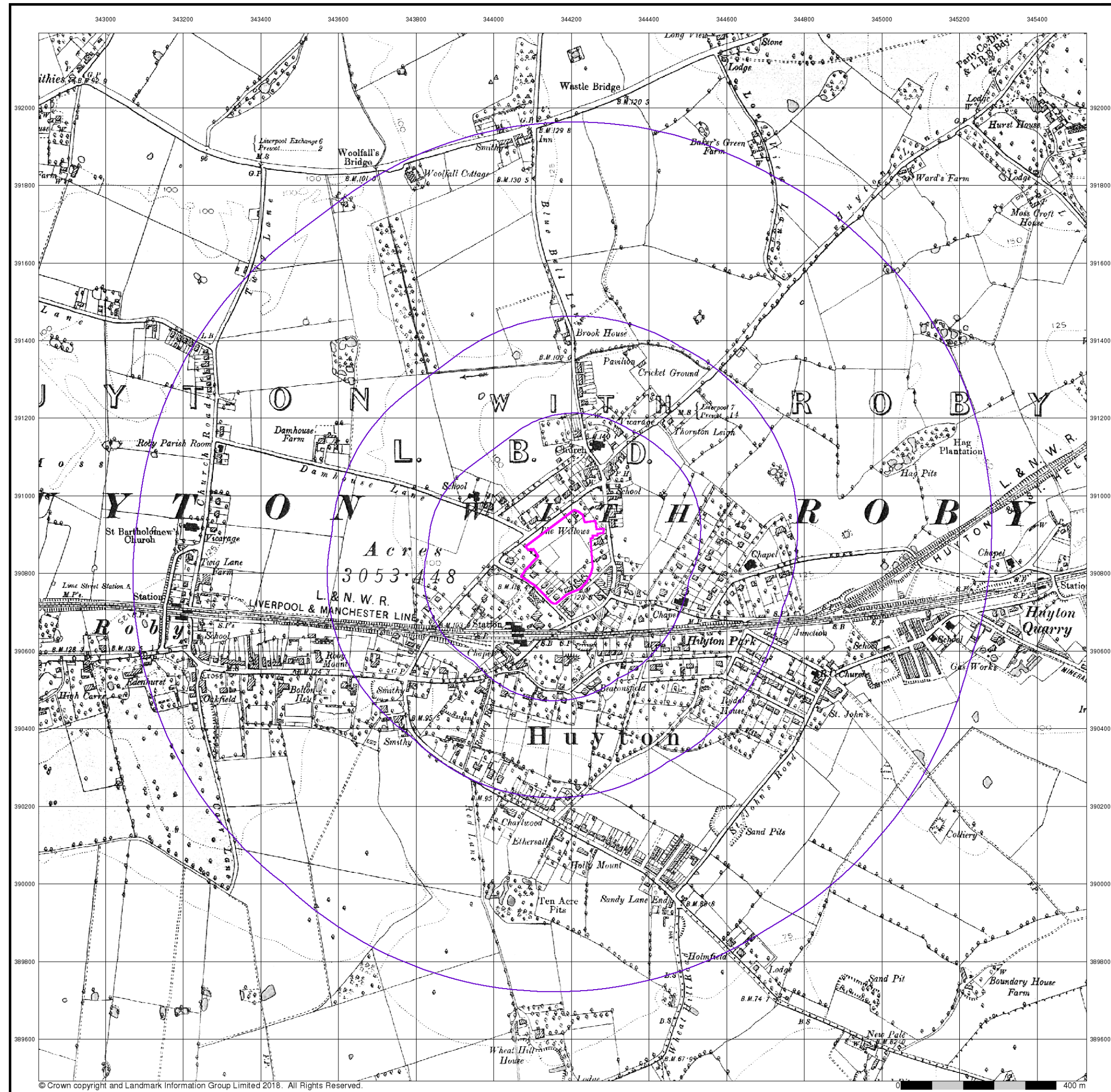
Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD







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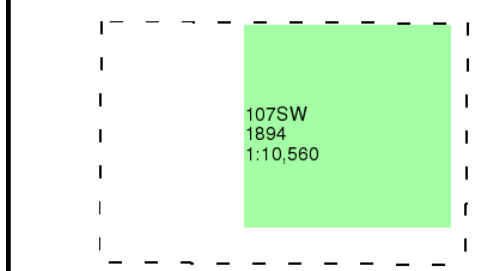
Lancashire And Furness

Published 1894

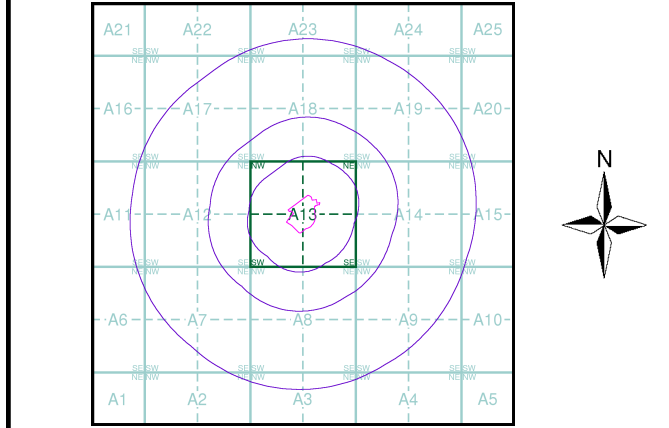
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details	
Order Number:	184912051_1_1
Customer Ref:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
Search Buffer (m):	1000

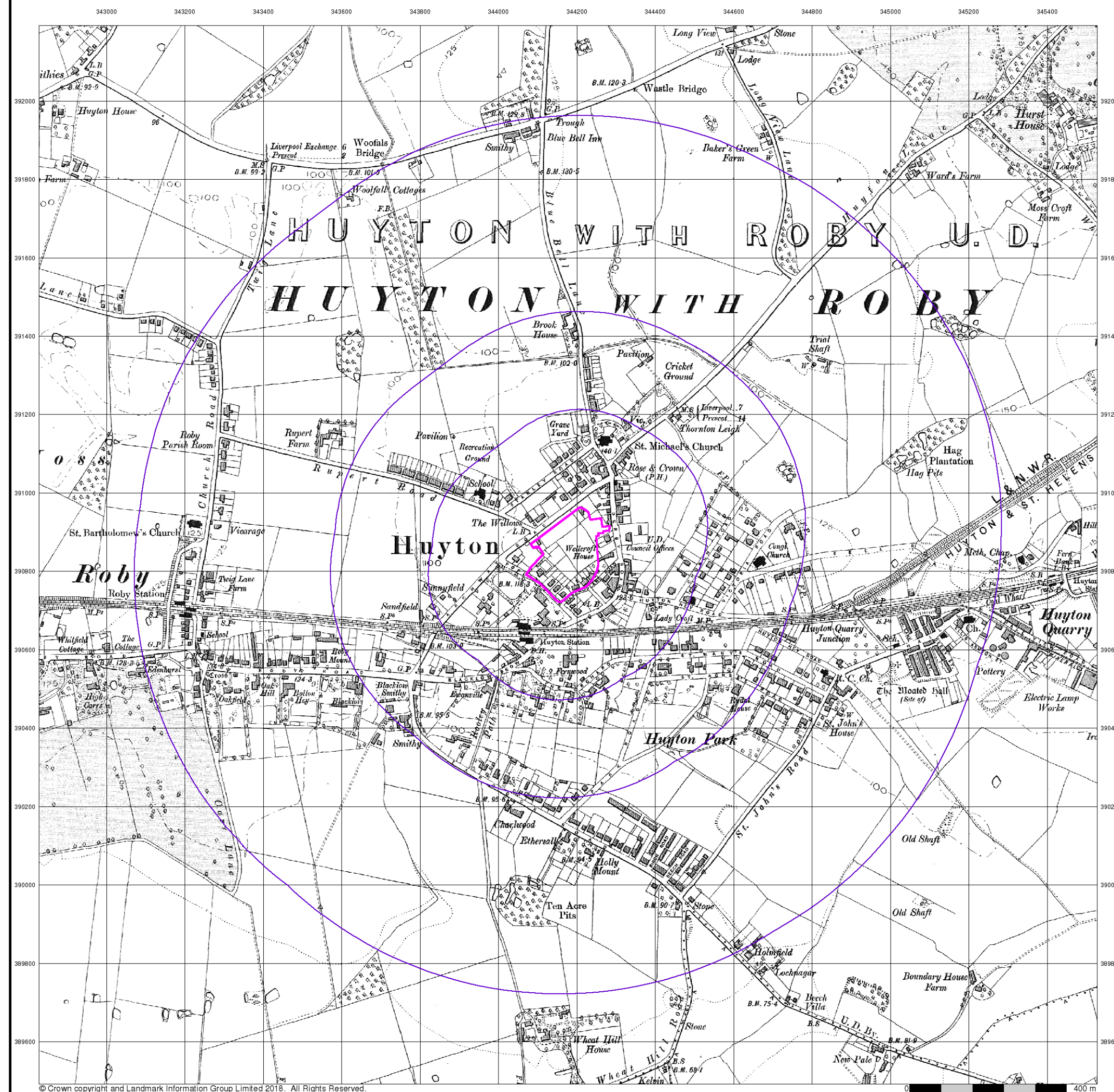
Site Details

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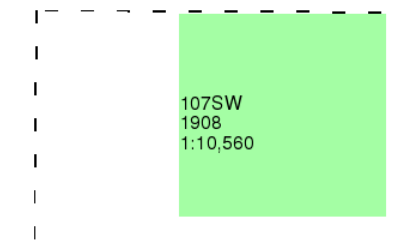
Lancashire And Furness

Published 1908

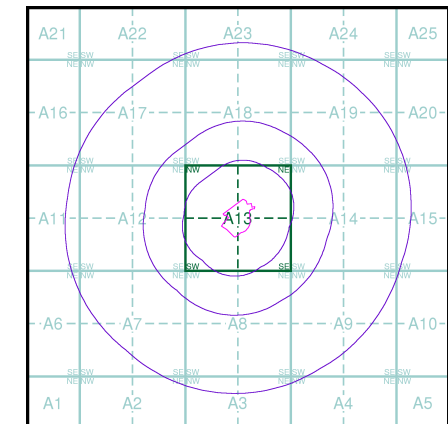
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

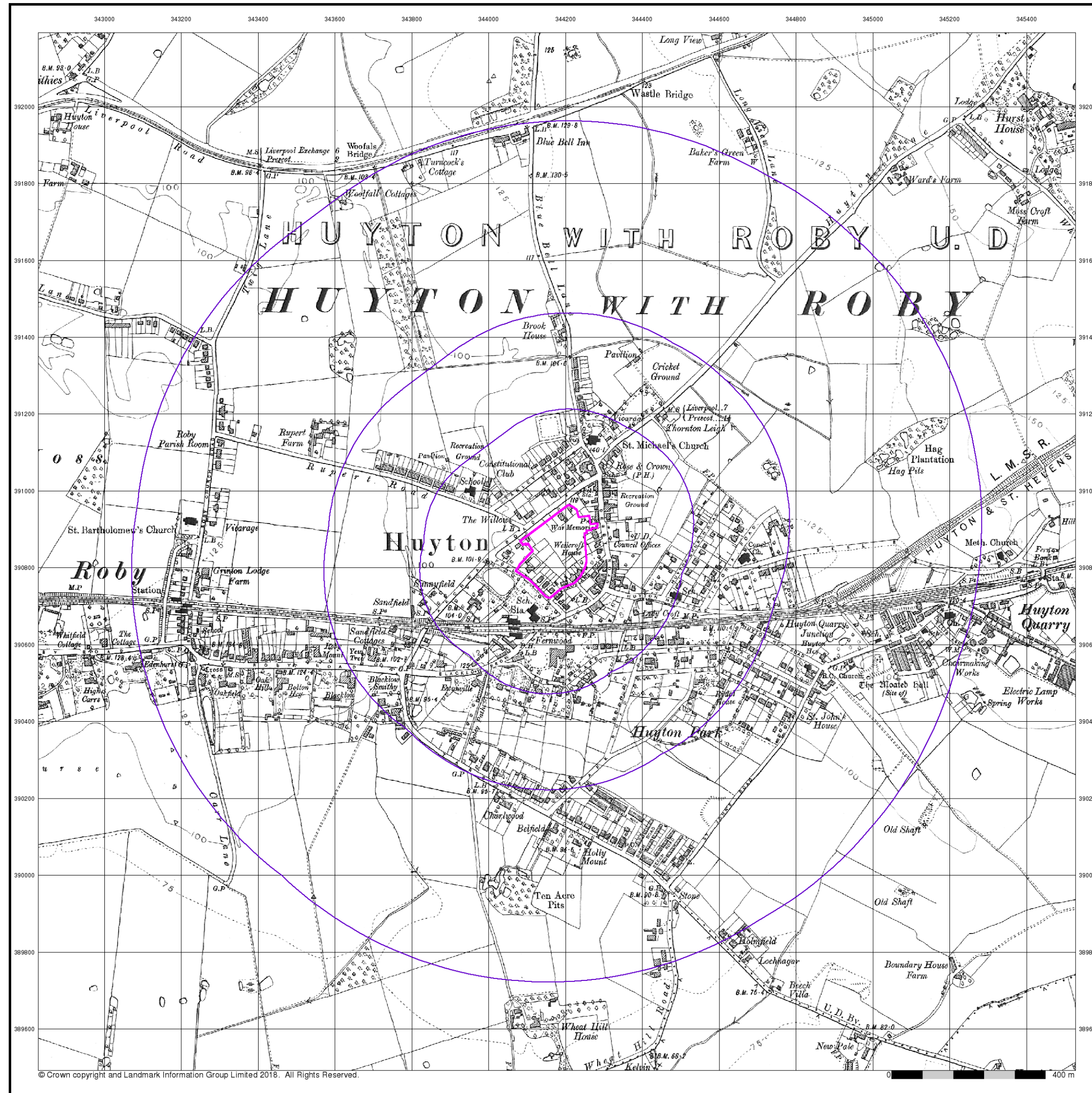
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

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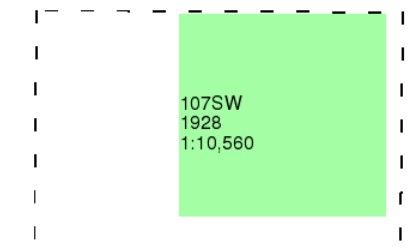
Lancashire And Furness

Published 1928

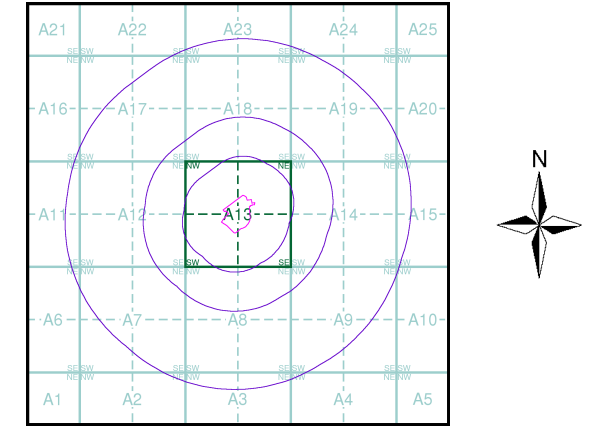
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	184912051_1_1
Customer Ref:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
Search Buffer (m):	1000

Site Details

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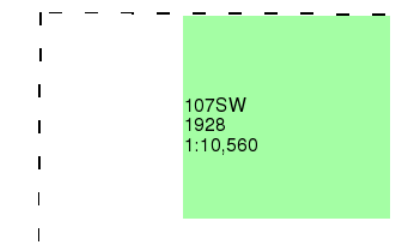
Lancashire And Furness

Published 1928

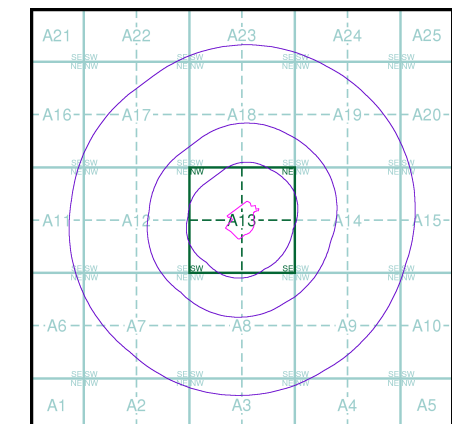
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

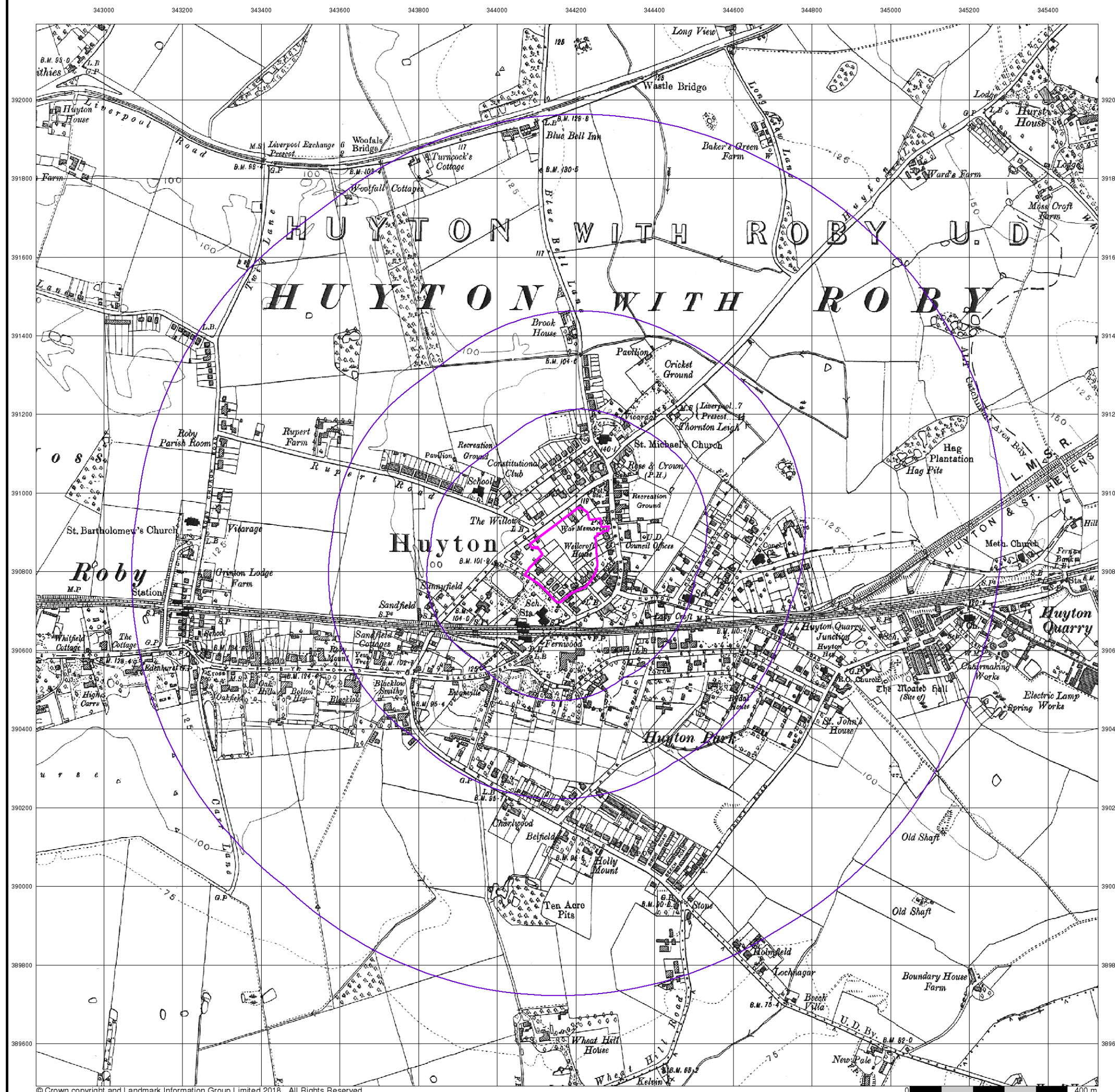


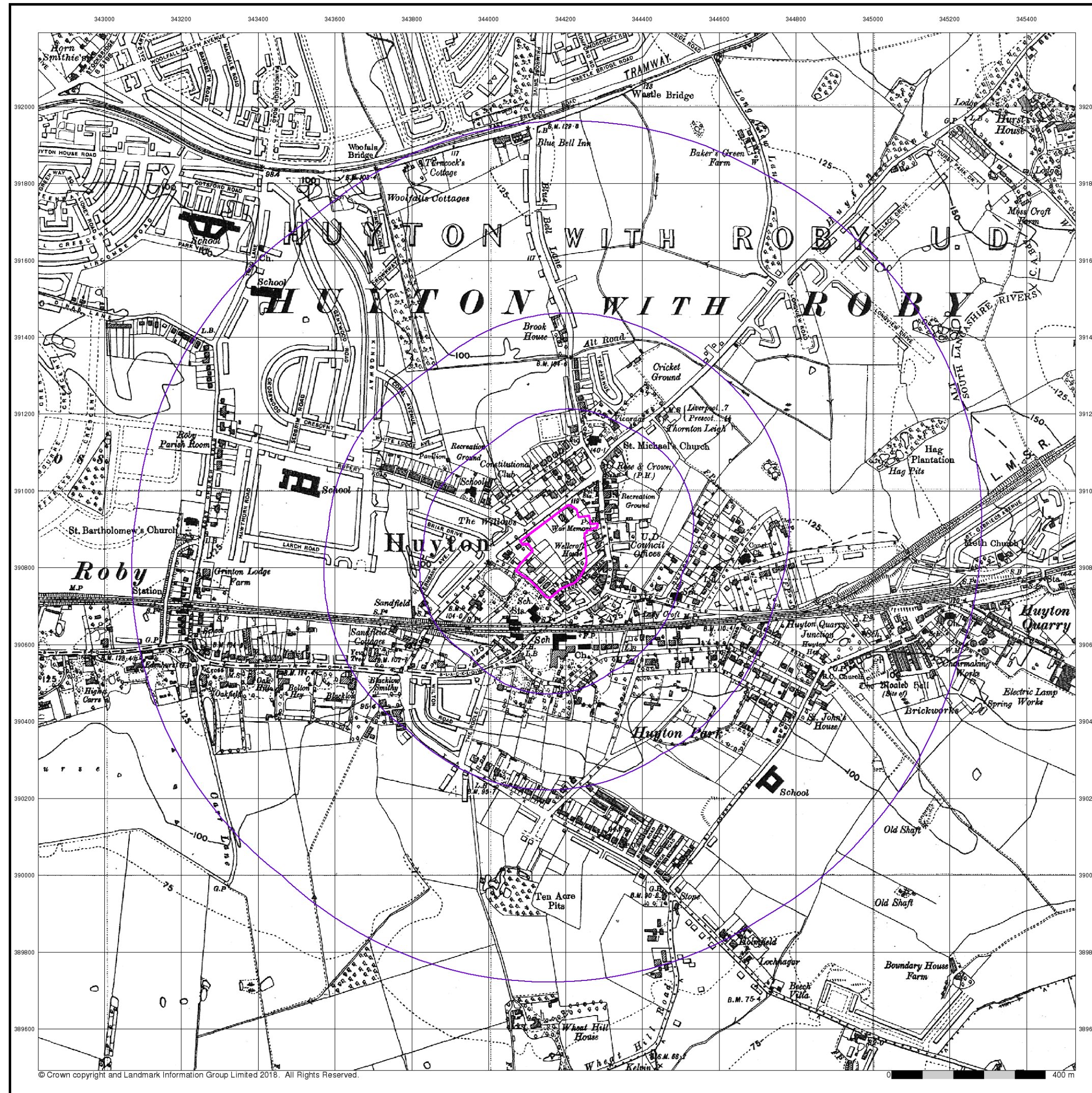
Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

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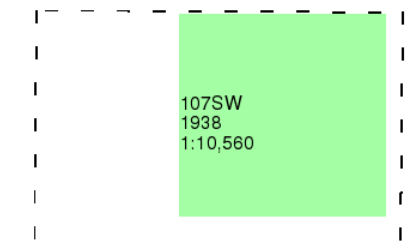
Lancashire And Furness

Published 1938

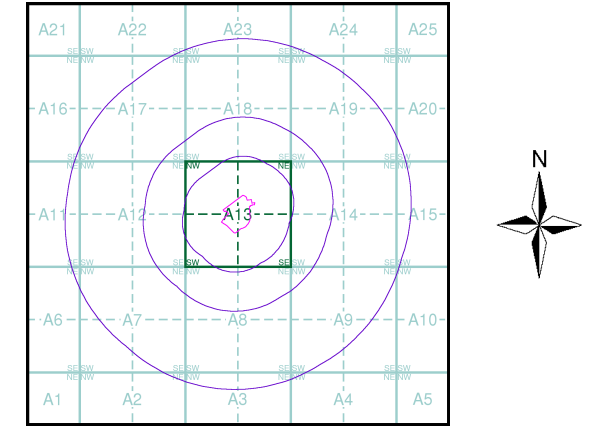
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



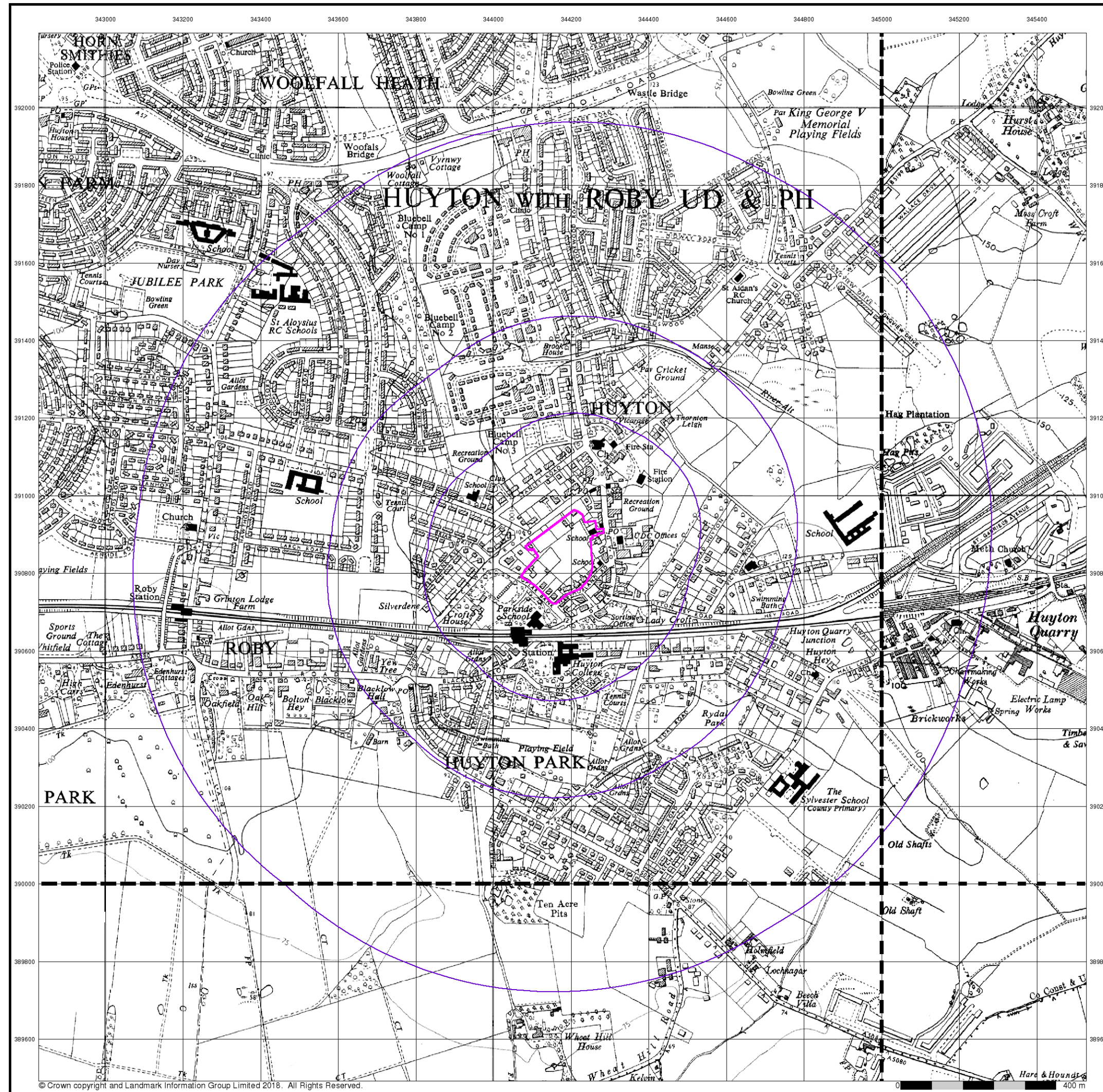
Order Details	
Order Number:	184912051_1_1
Customer Ref:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
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Ordnance Survey Plan

Published 1955 - 1956

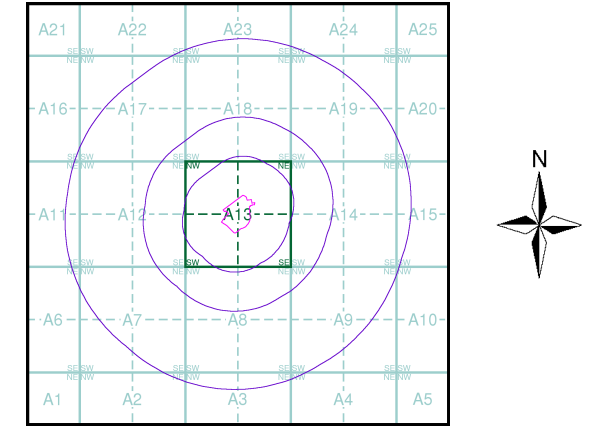
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ49SW	SJ49SE
1956	1956
1:10,560	1:10,560
SJ48NW	SJ48NE
1956	1955
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1965 - 1967

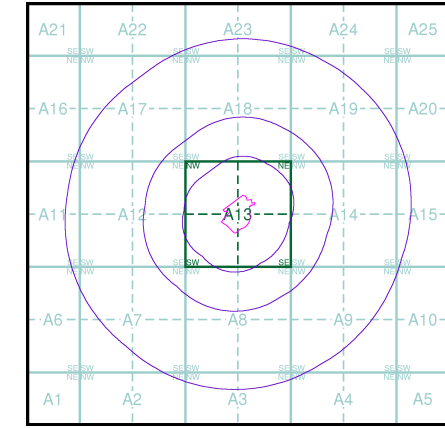
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ49SW	SJ49SE
1965	1966
1:10,560	1:10,560
SJ48NW	SJ48NE
1967	1967
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1974 - 1978

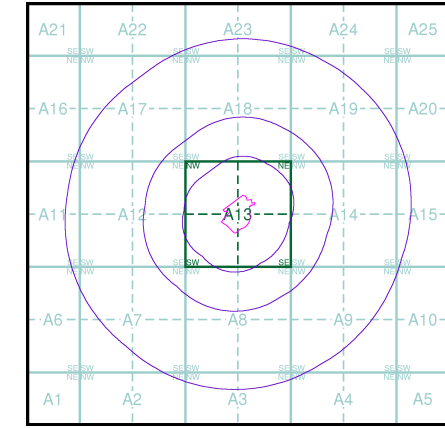
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Map Name(s) and Date(s)

SJ49SW	SJ49SE
1978	1978
1:10,000	1:10,000
SJ48NW	SJ48NE
1974	1977
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1
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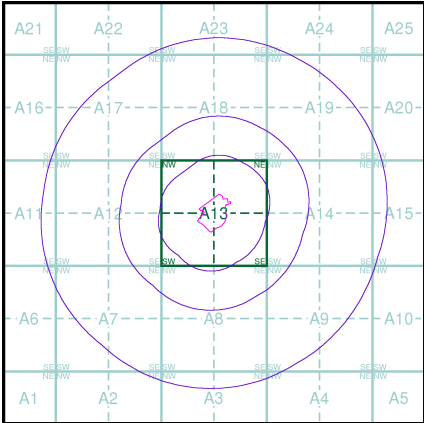
Liverpool
Published 1974
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SJ49SW 1974 1:10,000	SJ49SE 1974 1:10,000
SJ48NW 1974 1:10,000	SJ48NE 1974 1:10,000

Russian Map - Slice A

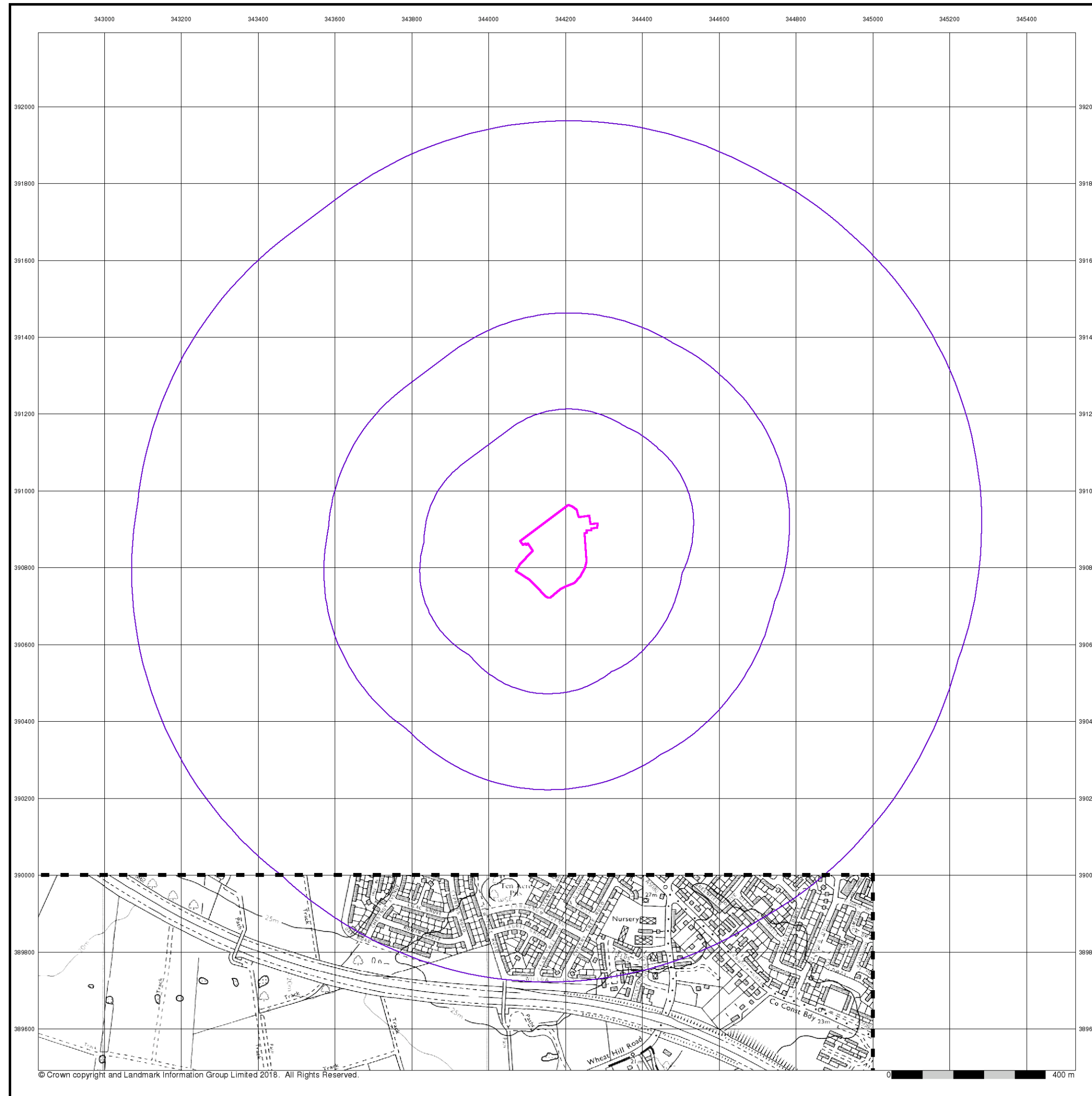


Order Details
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
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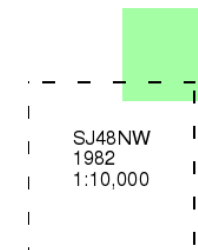
Ordnance Survey Plan

Published 1982

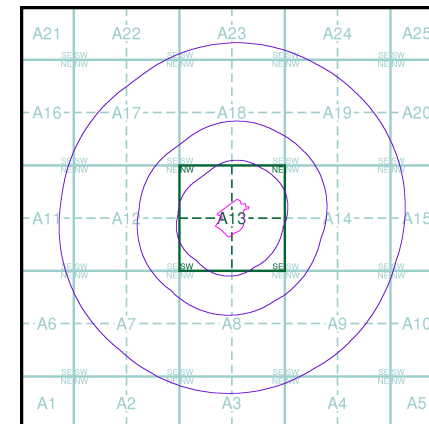
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

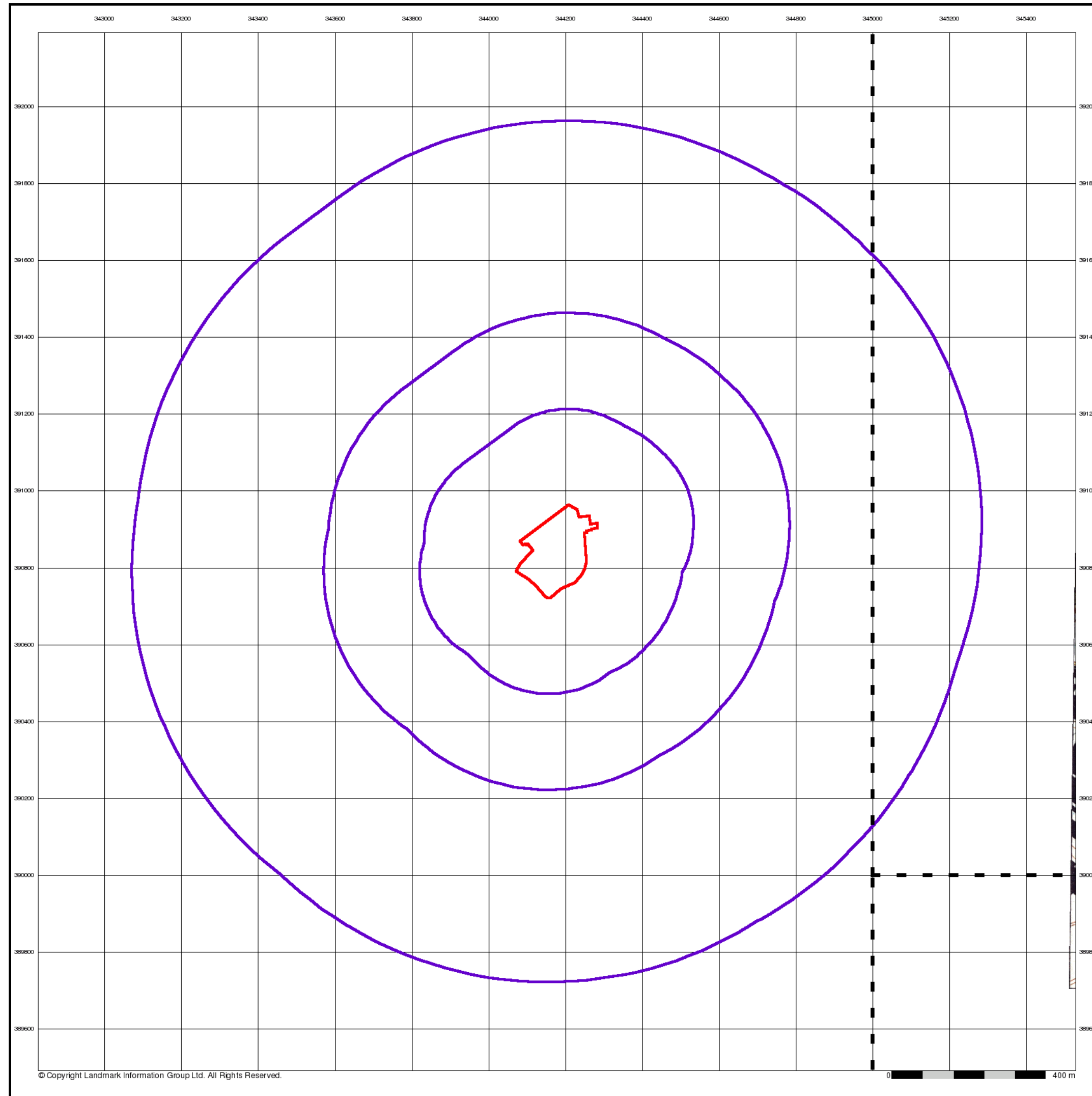
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Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
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St Helens

Published 1984

Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

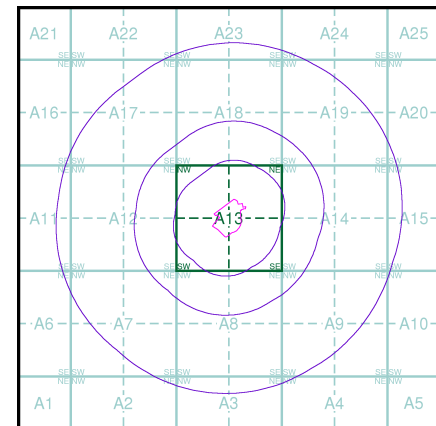
Map Name(s) and Date(s)



SJ49 SE
1984
1:10,000

SJ48 NE
1984
1:10,000

Russian Map - Slice A



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

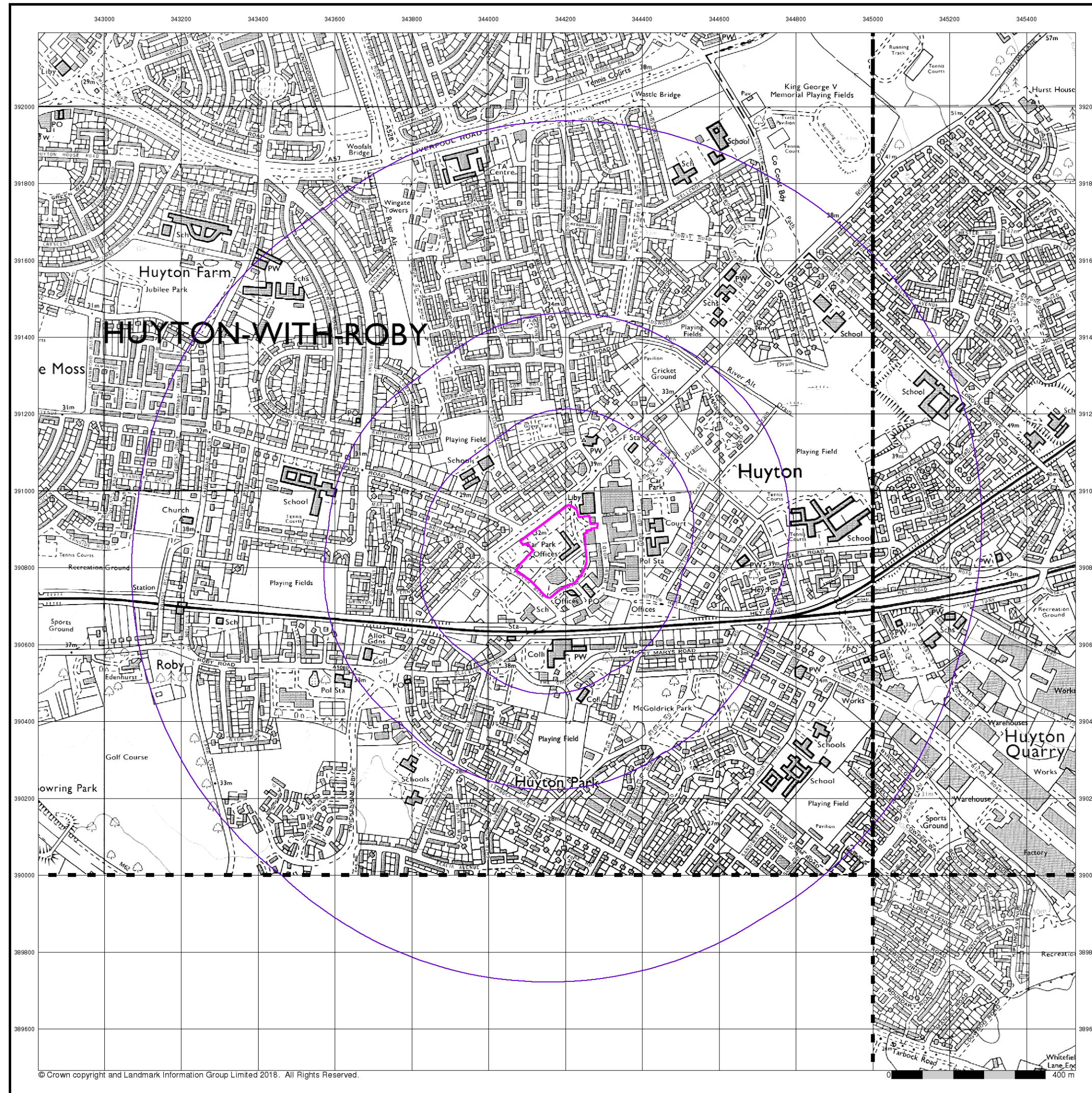
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Ordnance Survey Plan

Published 1990 - 1991

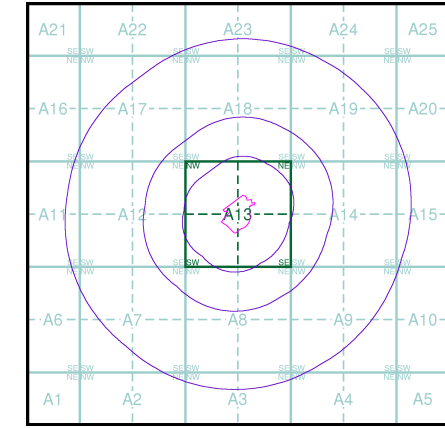
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ49SW	SJ49SE
1990	1991
1:10,000	1:10,000
	SJ48NE
	1990
	1:10,000

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD

Landmark

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10k Raster Mapping

Published 1999

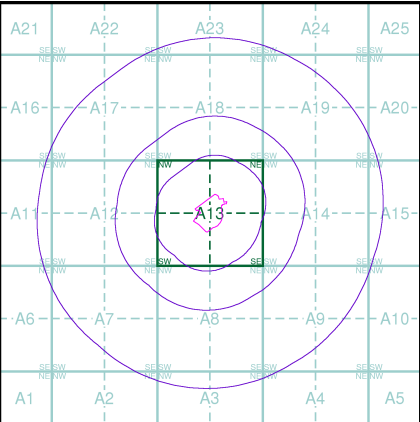
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SJ49SW	SJ49SE
1999	1999
1:10,000	1:10,000
SJ48NW	SJ48NE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 1000

Site Details

Huyton Village, LIVERPOOL, L36 9GD



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10k Raster Mapping

Published 2006

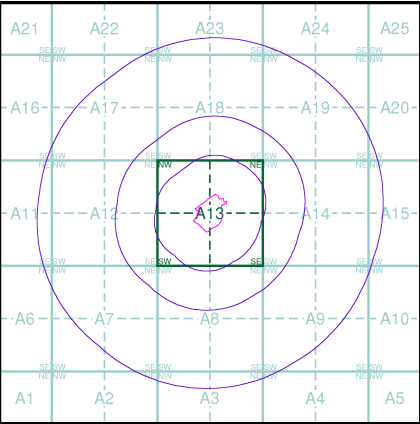
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SJ49SW	SJ49SE
2006	2006
1:10,000	1:10,000
SJ48NW	SJ48NE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 1000

Site Details

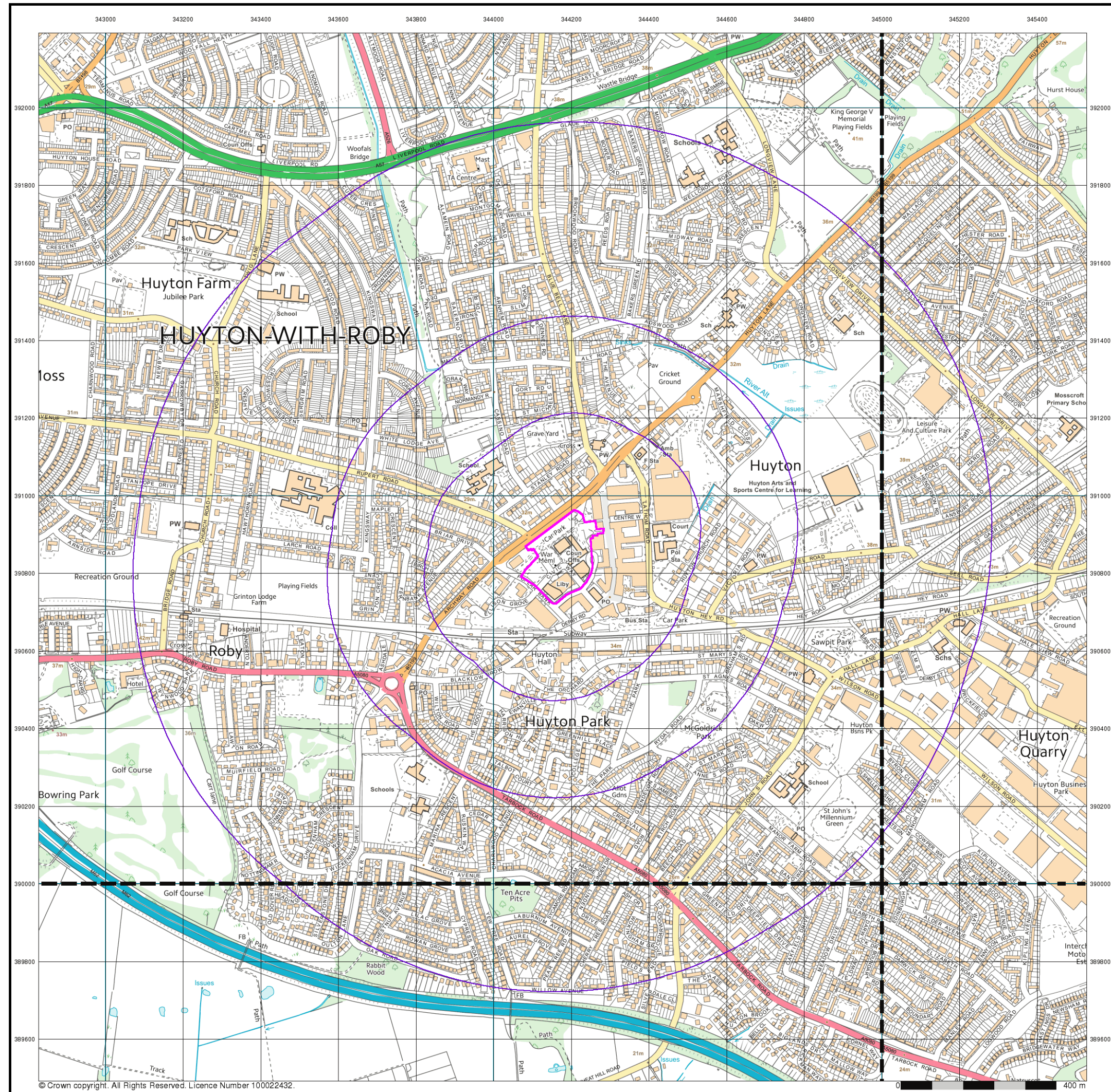
Huyton Village, LIVERPOOL, L36 9GD

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VectorMap Local

Published 2018

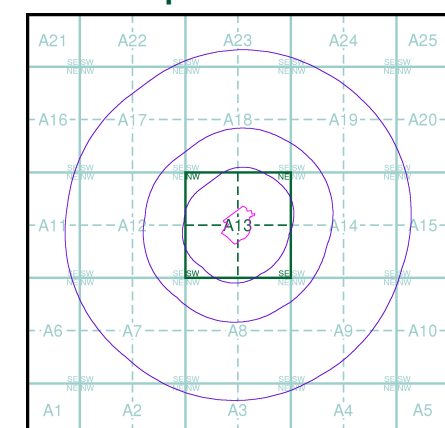
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SJ49SW 2018 Variable	SJ49SE 2018 Variable
SJ48NW 2018 Variable	SJ48NE 2018 Variable

Historical Map - Slice A



Order Details
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 1000

Site Details
Huyton Village, LIVERPOOL, L36 9GD



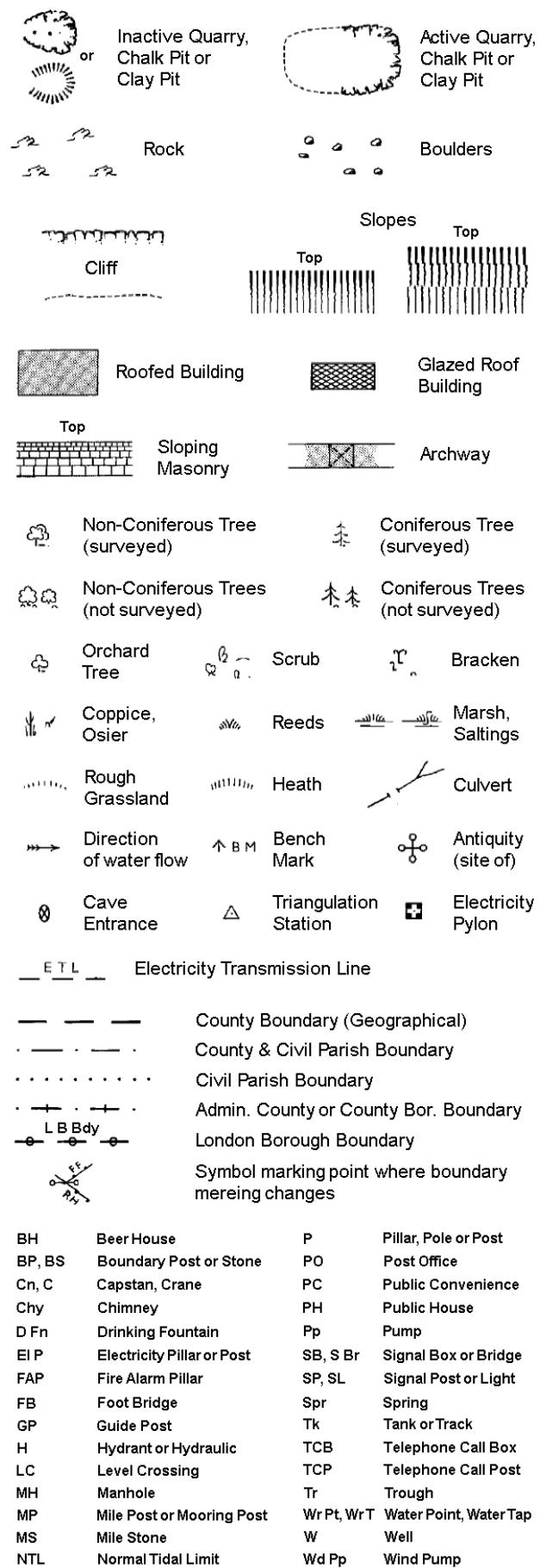
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Web: www.envirocheck.co.uk

Historical Mapping Legends

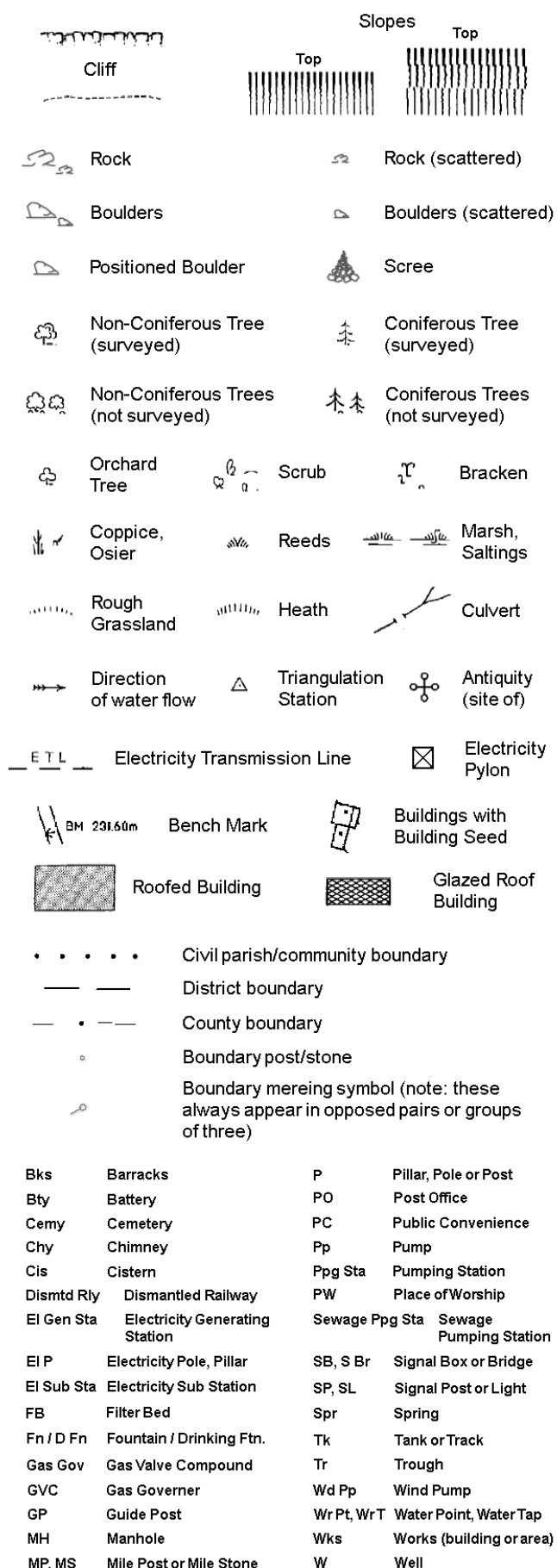
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



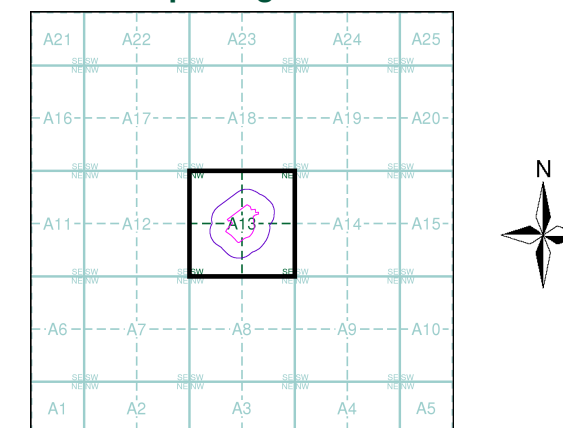
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1892	2
Lancashire And Furness	1:2,500	1907	3
Lancashire And Furness	1:2,500	1927	4
Ordnance Survey Plan	1:1,250	1951 - 1952	5
Ordnance Survey Plan	1:2,500	1952 - 1953	6
Ordnance Survey Plan	1:1,250	1959 - 1967	7
Ordnance Survey Plan	1:2,500	1960 - 1967	8
Ordnance Survey Plan	1:1,250	1964 - 1976	9
Ordnance Survey Plan	1:2,500	1970	10
Ordnance Survey Plan	1:1,250	1972 - 1975	11
Additional SIMs	1:1,250	1984 - 1989	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1995	15
Large-Scale National Grid Data	1:1,250	1996	16
Historical Aerial Photography	1:2,500	2000	17

Historical Map - Segment A13

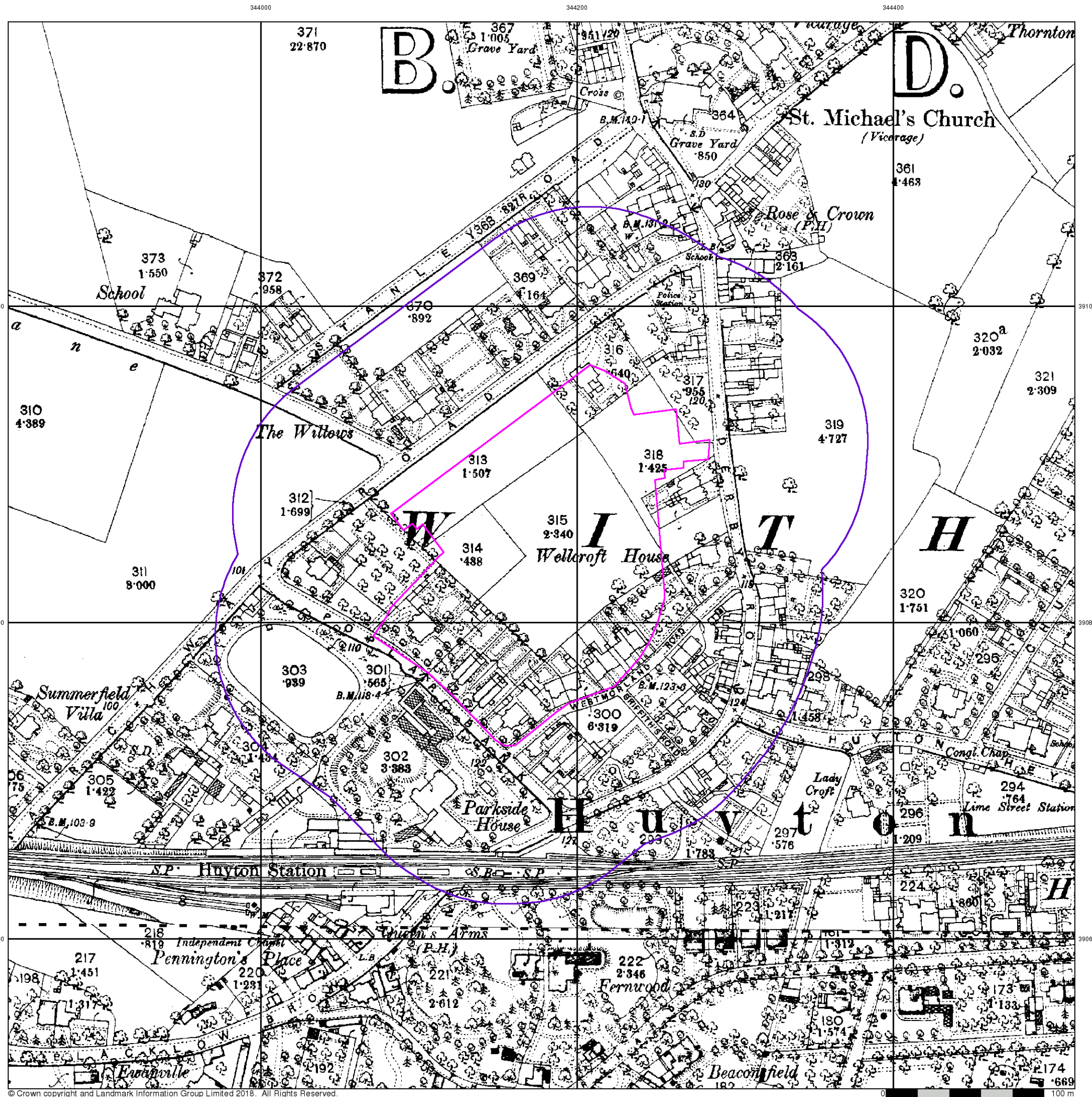


Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

Huyton Village, LIVERPOOL, L36 9GD



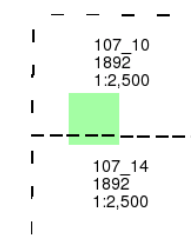
Lancashire And Furness

Published 1892

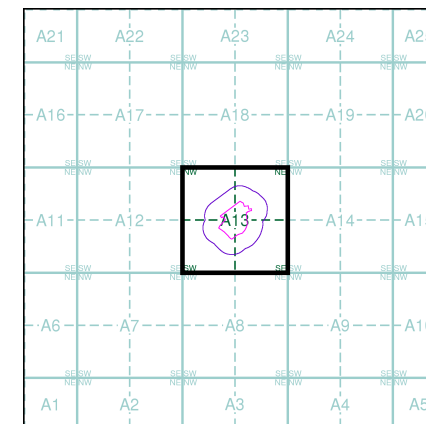
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

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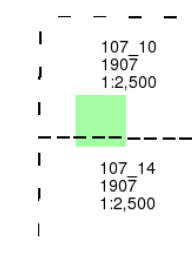
Lancashire And Furness

Published 1907

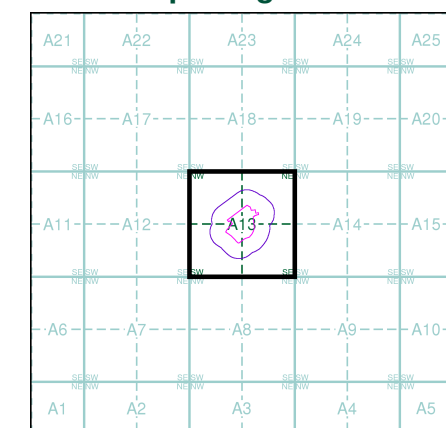
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

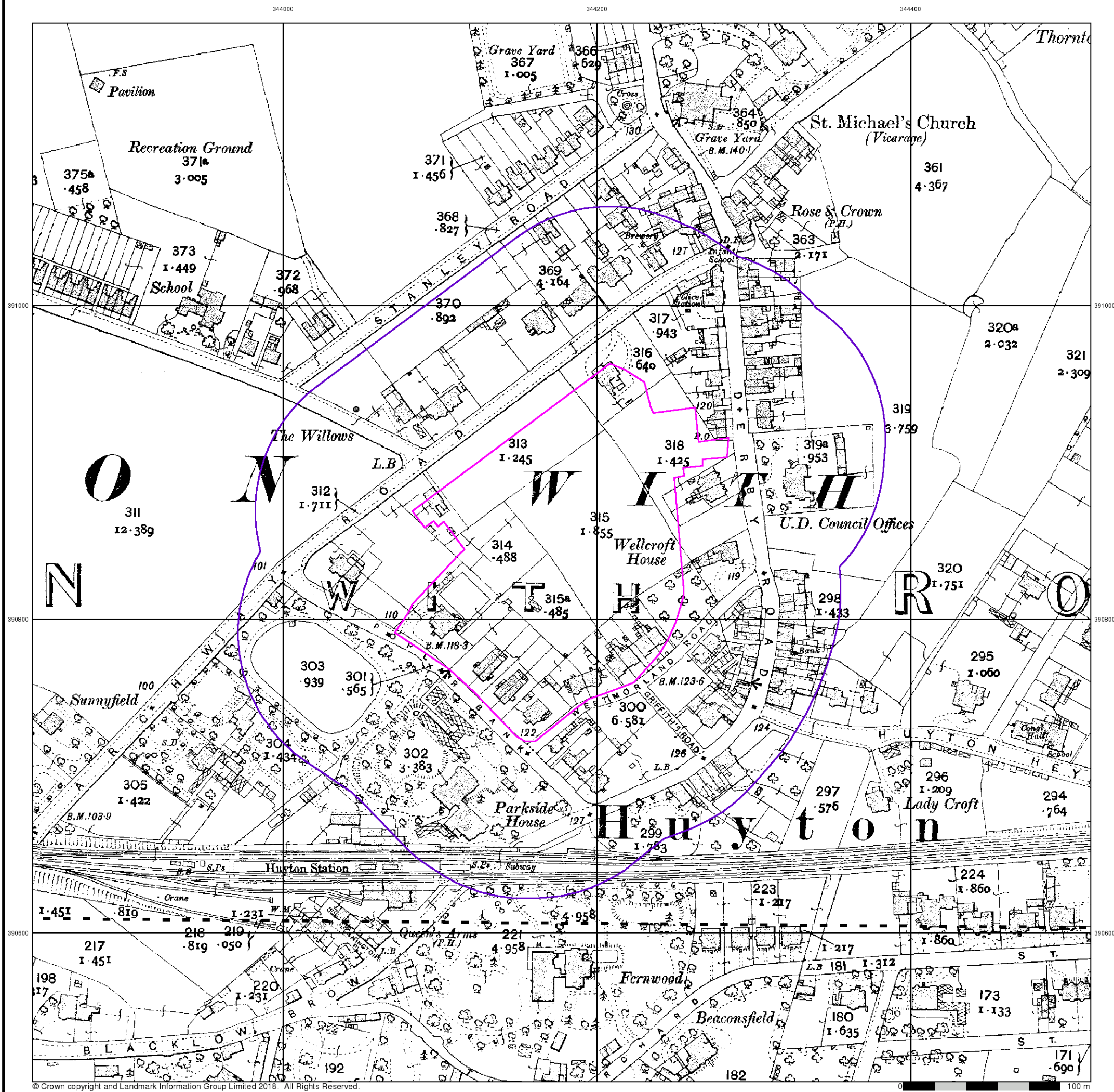


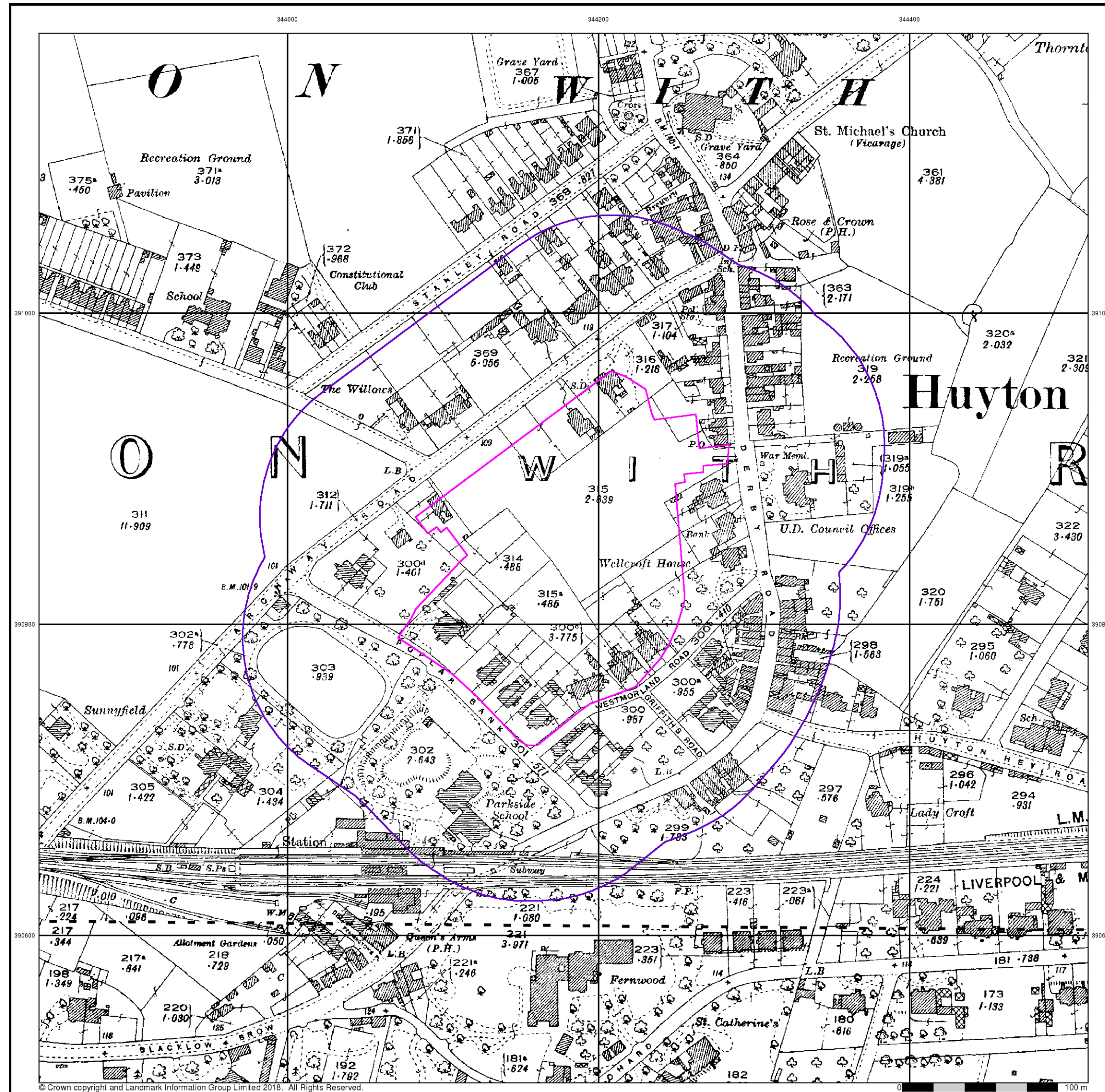
Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

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Lancashire And Furness

Published 1927

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

107_10

1927

1:2,500

107_14

1927

1:2,500

Historical Map - Segment A13

A21A22A23A24A25

A16A17A18A19A20

A11A12A13A14A15

A6A7A8A9A10

A1A2A3A4A5



Order Details

Order Number:	184912051_1_1
Customer Ref:	30104LG
National Grid Reference:	344180, 390840
Slice:	A
Site Area (Ha):	2.88
Search Buffer (m):	100

Site Details

Huyton Village, LIVERPOOL, L36 9GD



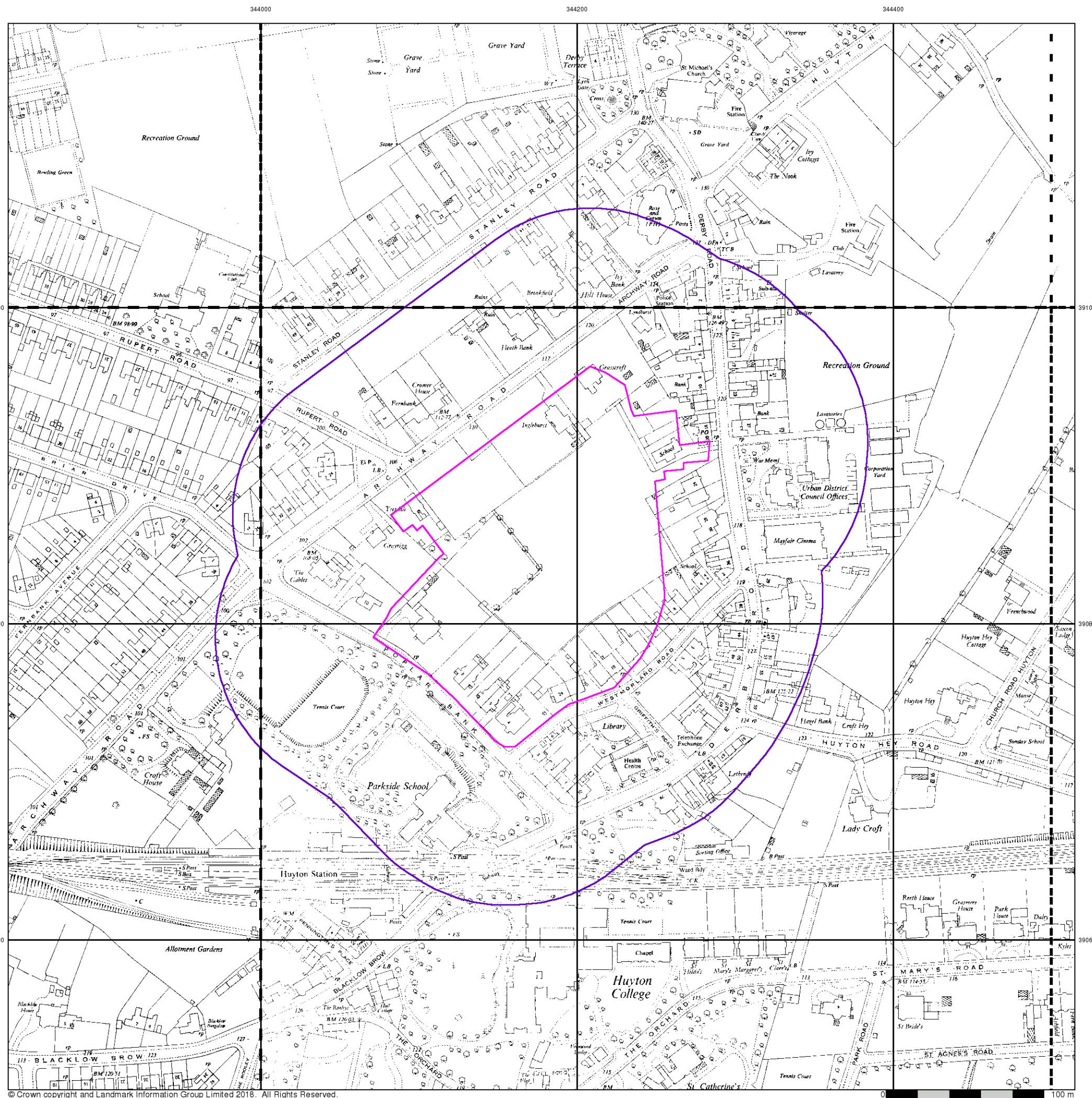
Landmark

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Ordnance Survey Plan

Published 1951 - 1952

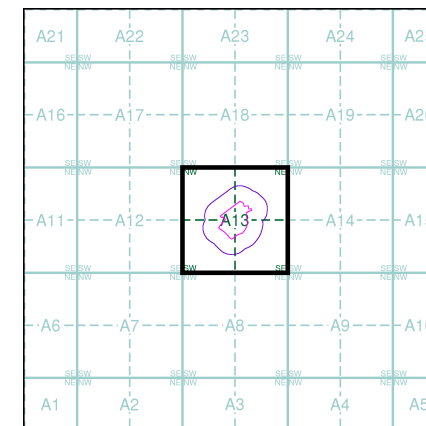
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ4391SE 1952 1:1,250	SJ4491SW 1952 1:1,250	SJ4491SE 1952 1:1,250
SJ4390NE 1951 1:1,250	SJ4490NW 1951 1:1,250	SJ4490NE 1951 1:1,250

Historical Map - Segment A13



Order Details

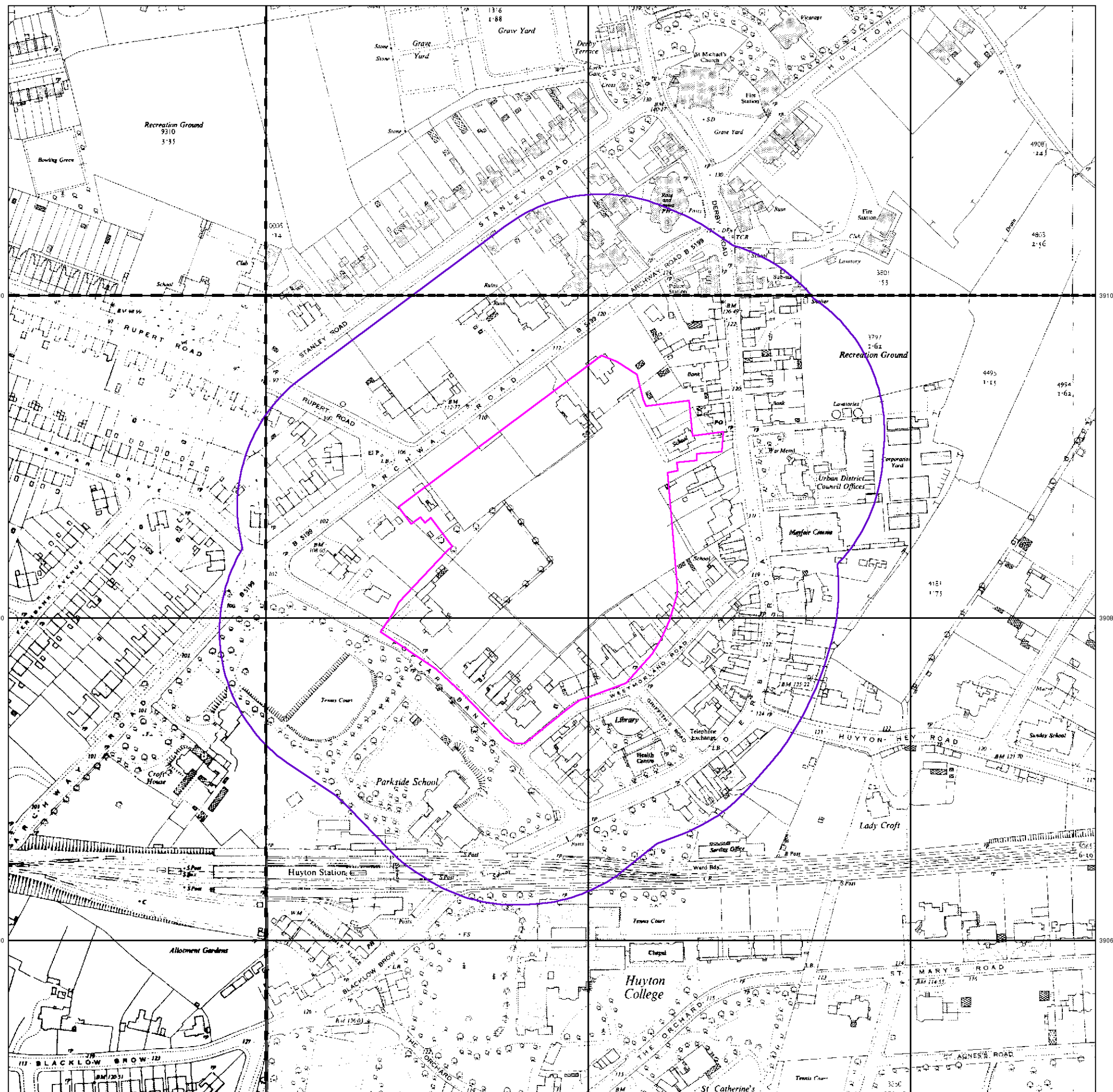
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1952 - 1953

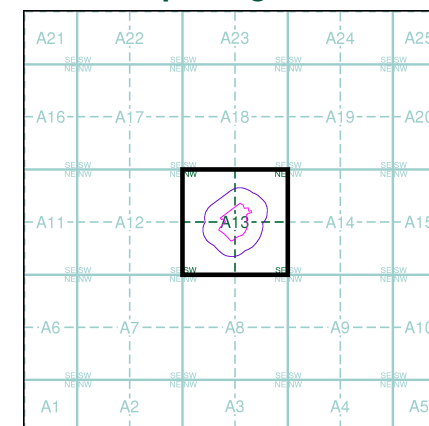
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ4391	SJ4491
1952	1953
12,500	12,500
SJ4390	SJ4490
1952	1952
12,500	12,500

Historical Map - Segment A13



Order Details

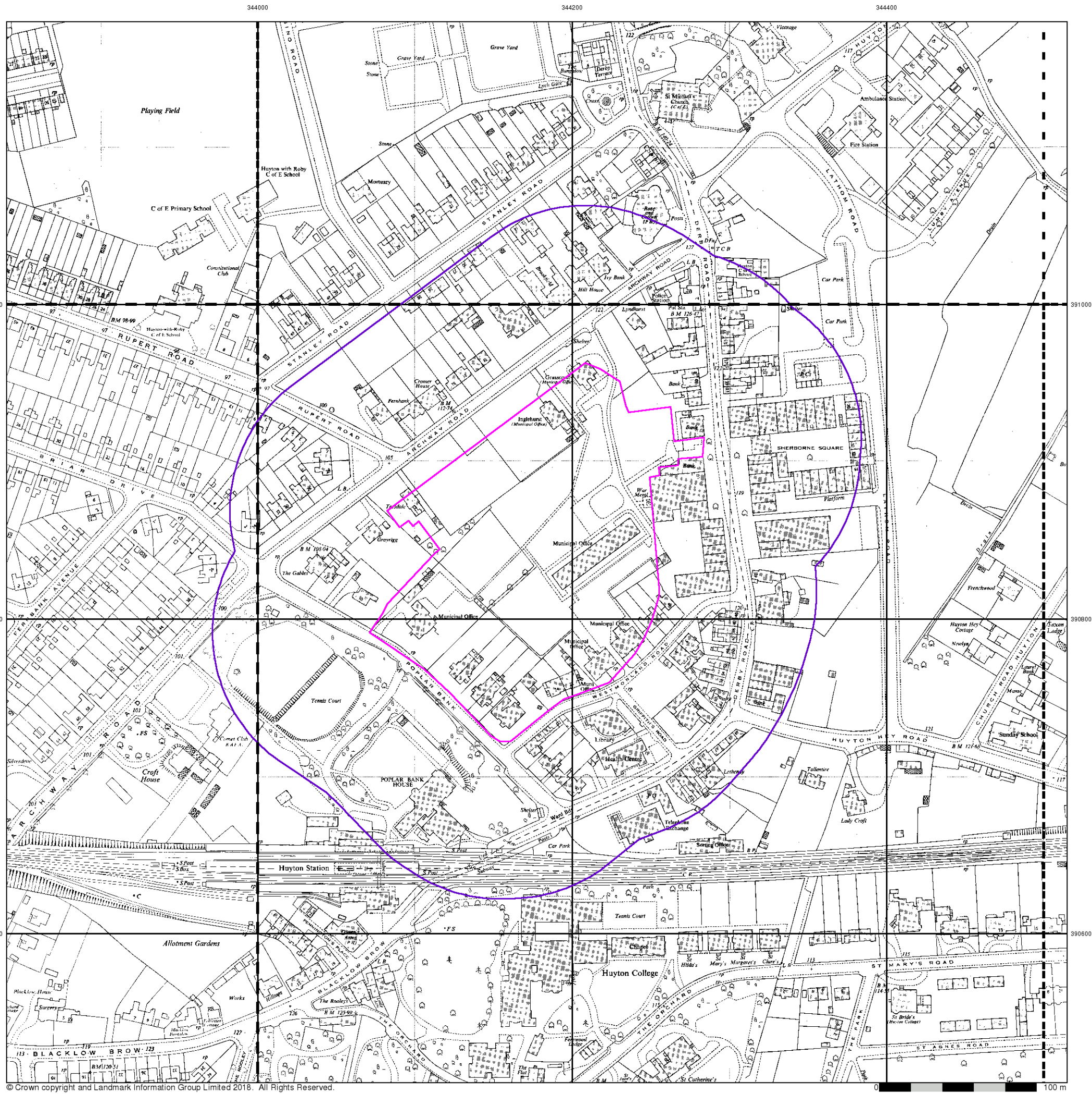
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1959 - 1967

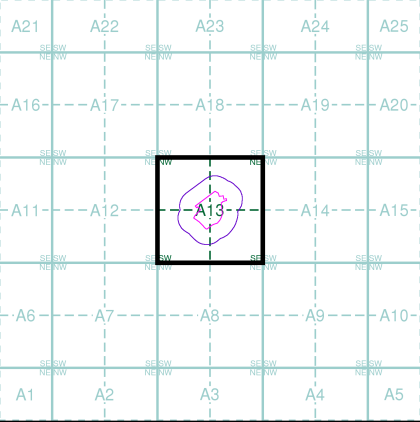
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ4391SE 1966 1:1,250	SJ4491SW 1966 1:1,250	SJ4491SE 1966 1:1,250
SJ4390NE 1959 1:1,250	SJ4490NW 1967 1:1,250	SJ4490NE 1959 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 100

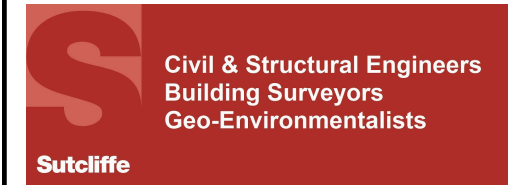
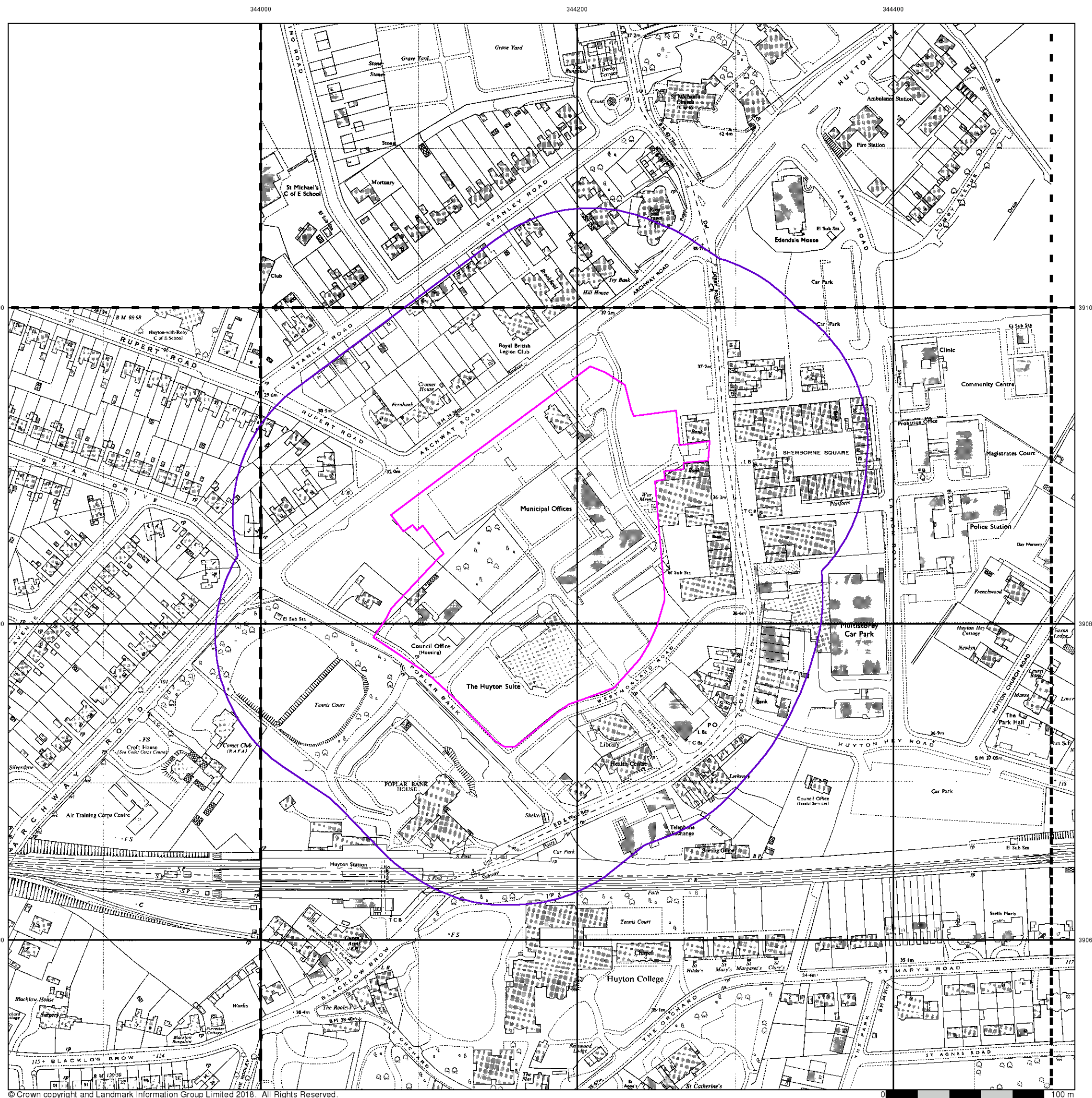
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Ordnance Survey Plan

Published 1964 - 1976

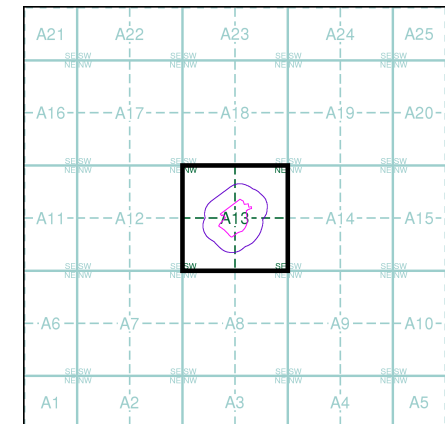
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ4491SW 1976 1:1,250		
SJ4390NE 1964 1:1,250	SJ4490NW 1976 1:1,250	SJ4490NE 1968 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

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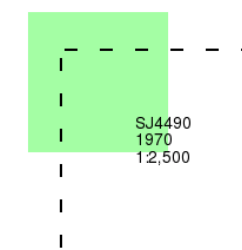
Ordnance Survey Plan

Published 1970

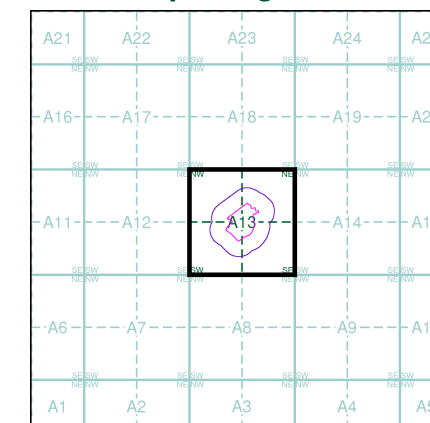
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

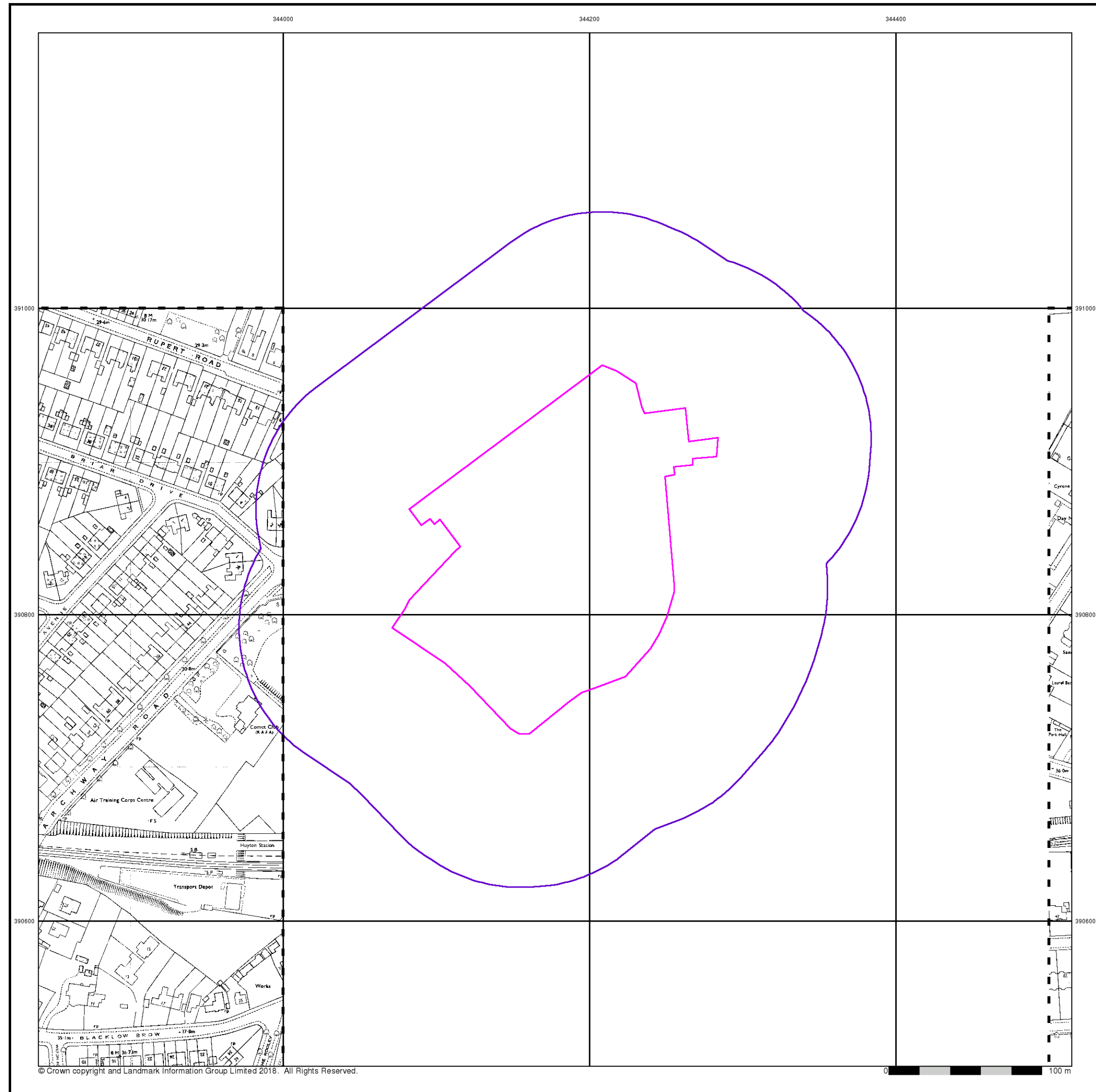


Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

Huyton Village, LIVERPOOL, L36 9GD





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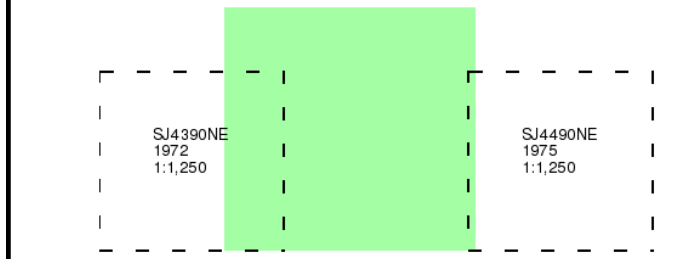
Ordnance Survey Plan

Published 1972 - 1975

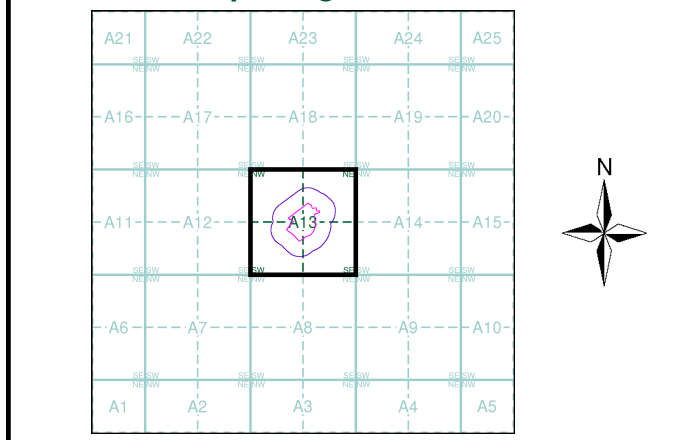
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1

Customer Ref: 30104LG

National Grid Reference: 344180, 390840

Slice: A

Site Area (Ha): 2.88

Search Buffer (m): 100

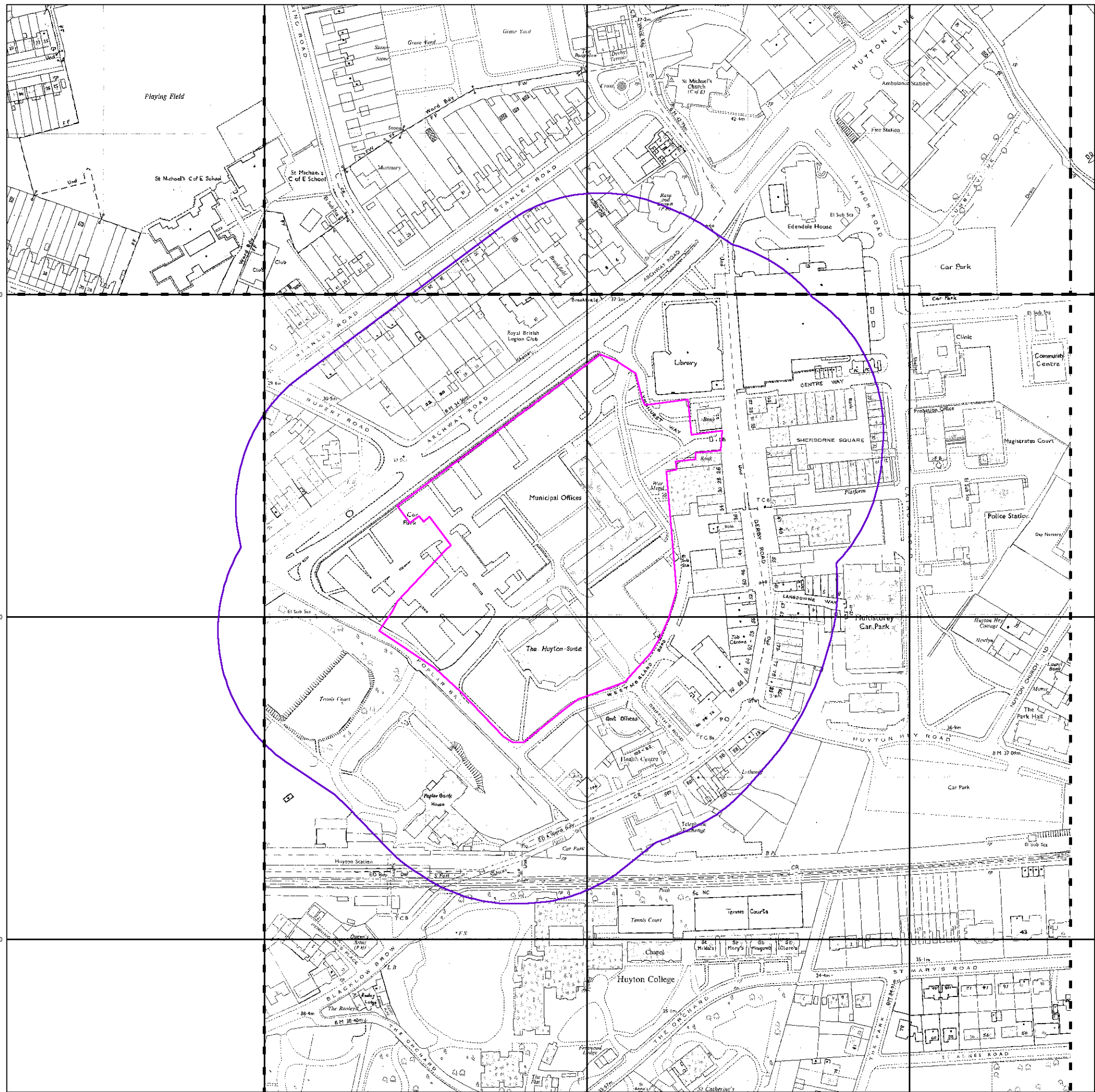
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Additional SIMs

Published 1984 - 1989

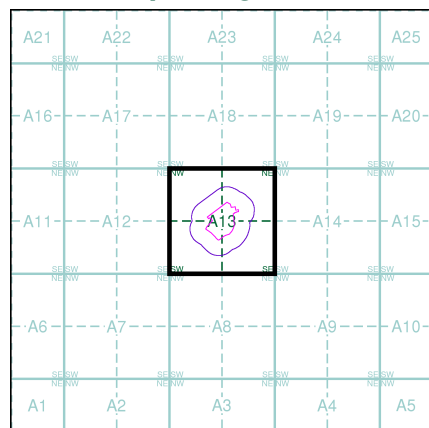
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ4391SE 1984 1:1,250	SJ4491SW 1989 1:1,250	SJ4491SE 1987 1:1,250
	SJ4490NW 1984 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

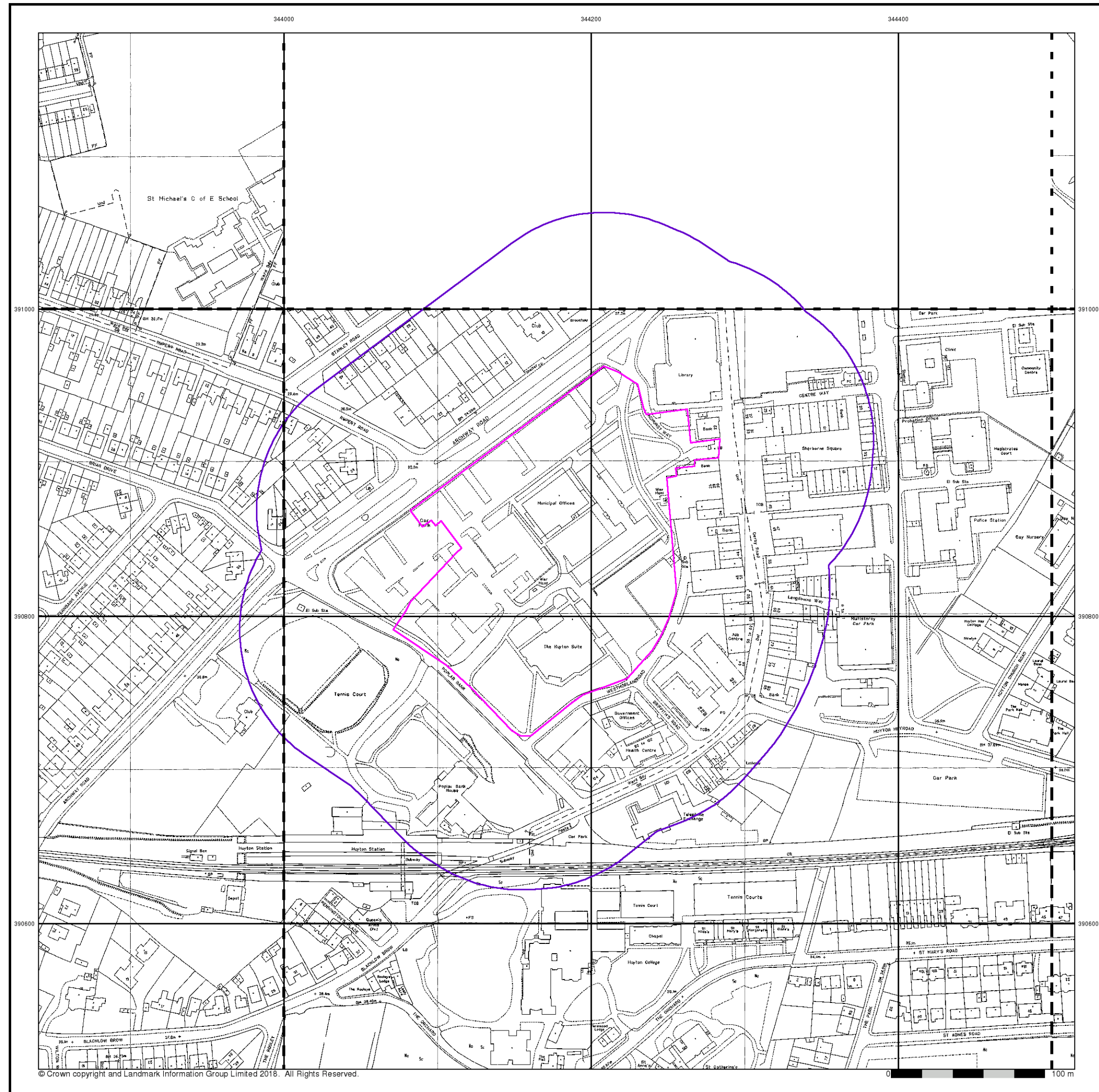
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Large-Scale National Grid Data

Published 1993

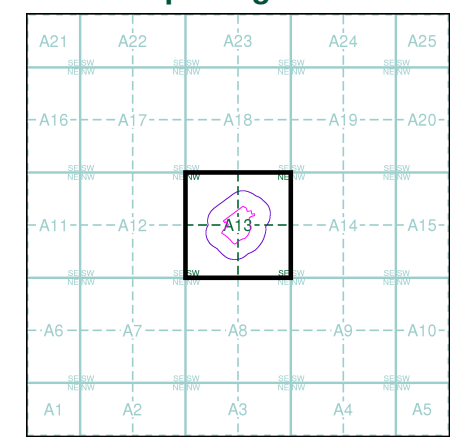
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ4391SE	SJ4491SE
1993	1993
1:1,250	1:1,250
SJ4390NE	SJ4490NW
1993	1993
1:1,250	1:1,250
SJ4490NE	
1993	
1:1,250	

Historical Map - Segment A13



Order Details

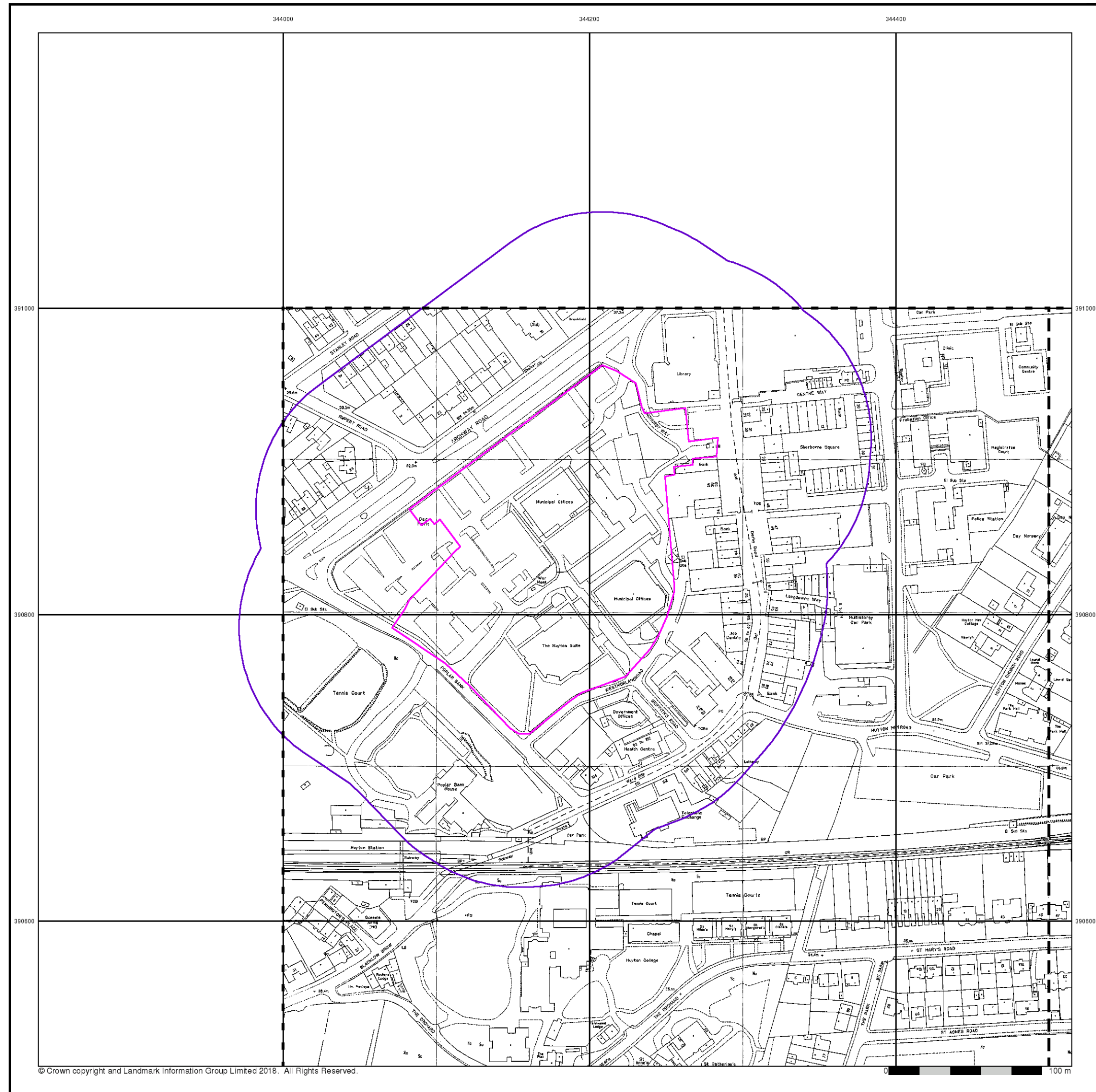
Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

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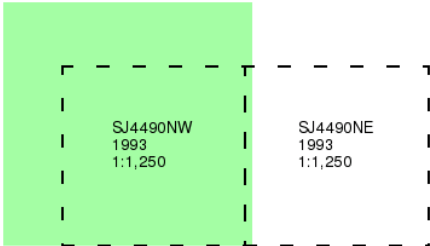
Large-Scale National Grid Data

Published 1993

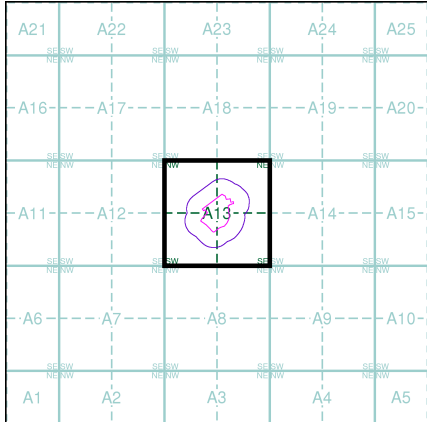
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

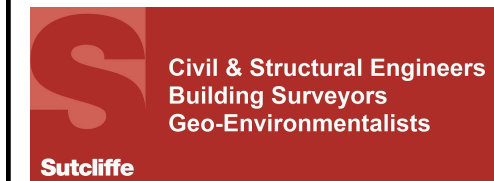
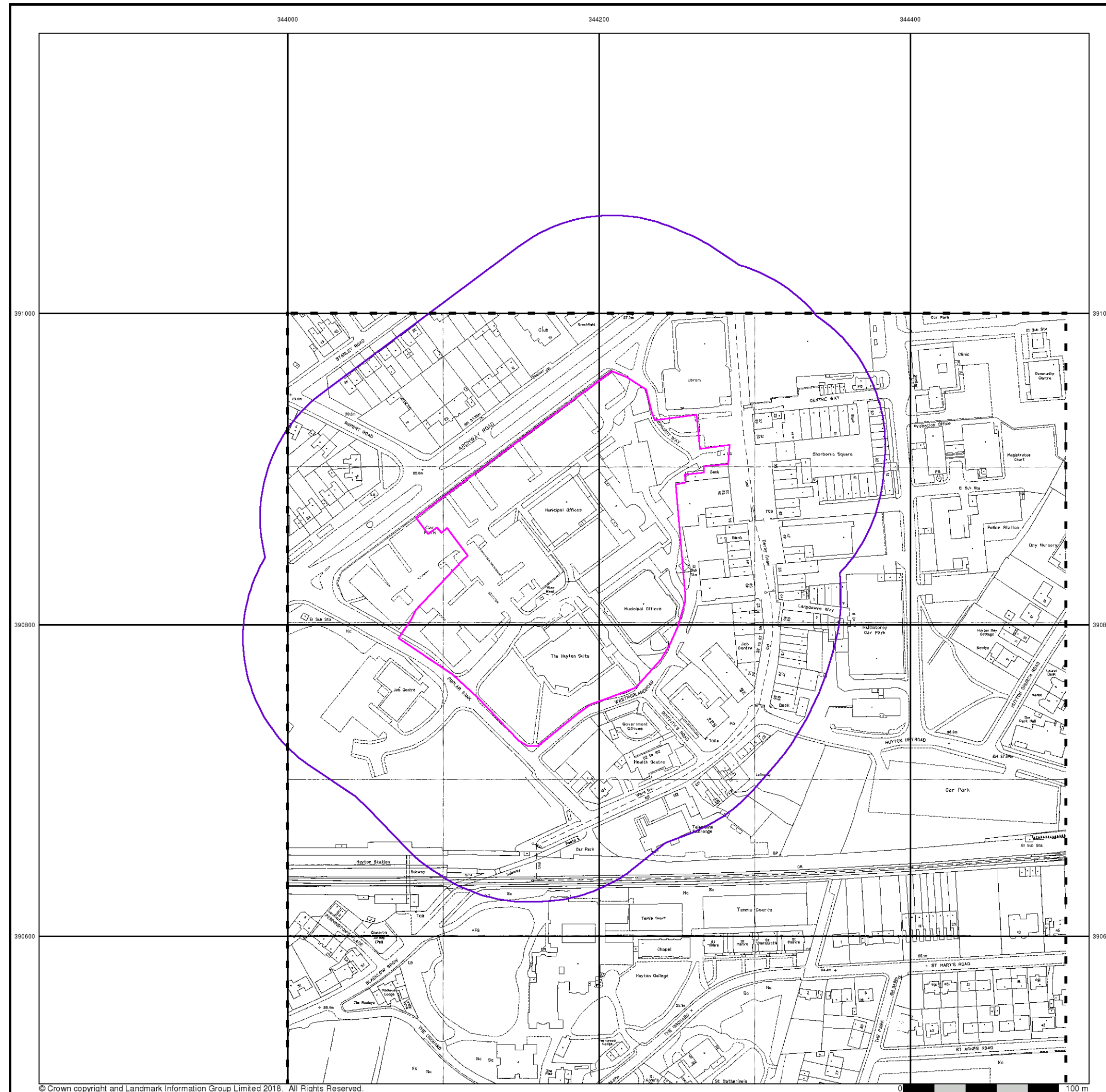
Site Details

Huyton Village, LIVERPOOL, L36 9GD



Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



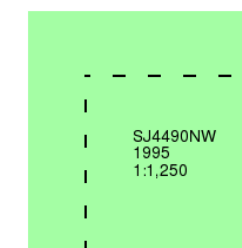
Large-Scale National Grid Data

Published 1995

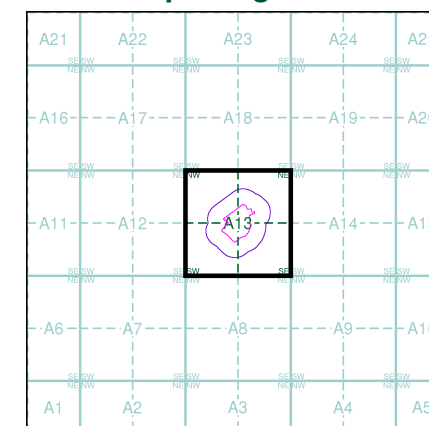
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

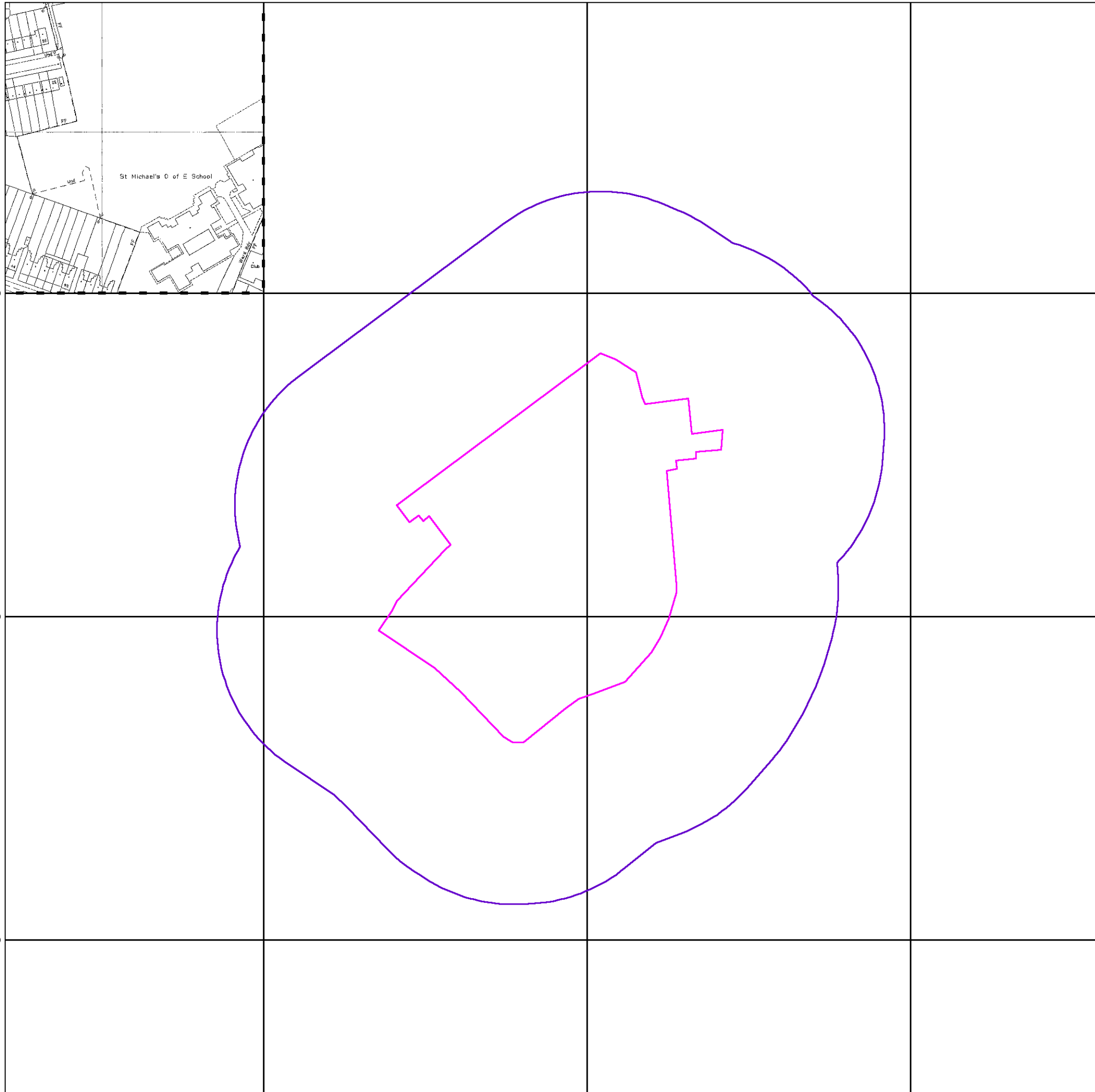
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National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

Huyton Village, LIVERPOOL, L36 9GD

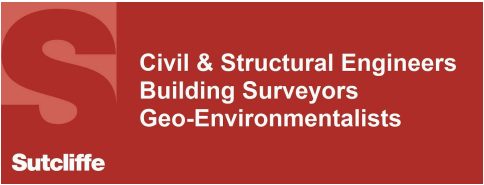
Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m



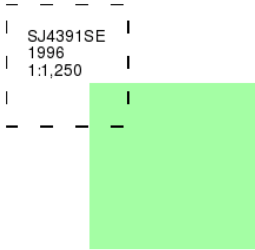
Large-Scale National Grid Data

Published 1996

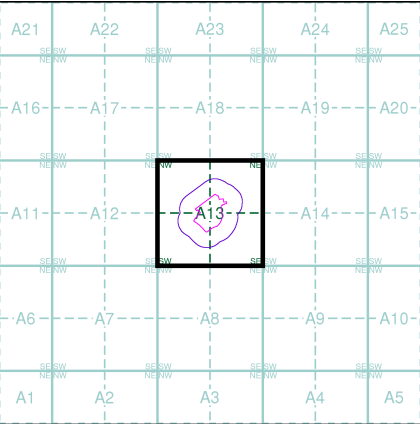
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

Huyton Village, LIVERPOOL, L36 9GD

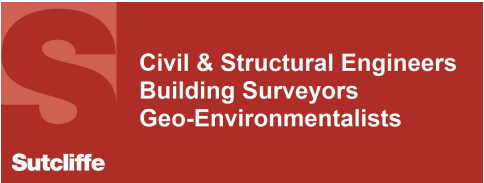


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m

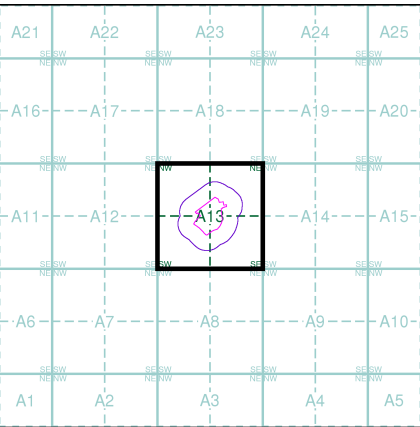


Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 184912051_1_1
Customer Ref: 30104LG
National Grid Reference: 344180, 390840
Slice: A
Site Area (Ha): 2.88
Search Buffer (m): 100

Site Details

Huyton Village, LIVERPOOL, L36 9GD



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Appendix B: Photographic Log

Photographic Log – Huyton Village Site Walkover



Photo 1 – Pedestrian access to the east via Derby Road



Photo 2 – Pedestrian access to the site



Photo 3 – Rear of commercial properties on Derby Road



Photo 4 – North east site corner



Photo 5 – Eastern section of the site



Photo 6 – Knowsley Council building located on site



Photo 7 – Access to current building



Photo 8 – Road access from Westmoreland Road to the south east of the site



Photo 9 – Pedestrian walkway



Photo 10 – Council building located in the south east corner of the site



Photo 11 – Evidence of services on site

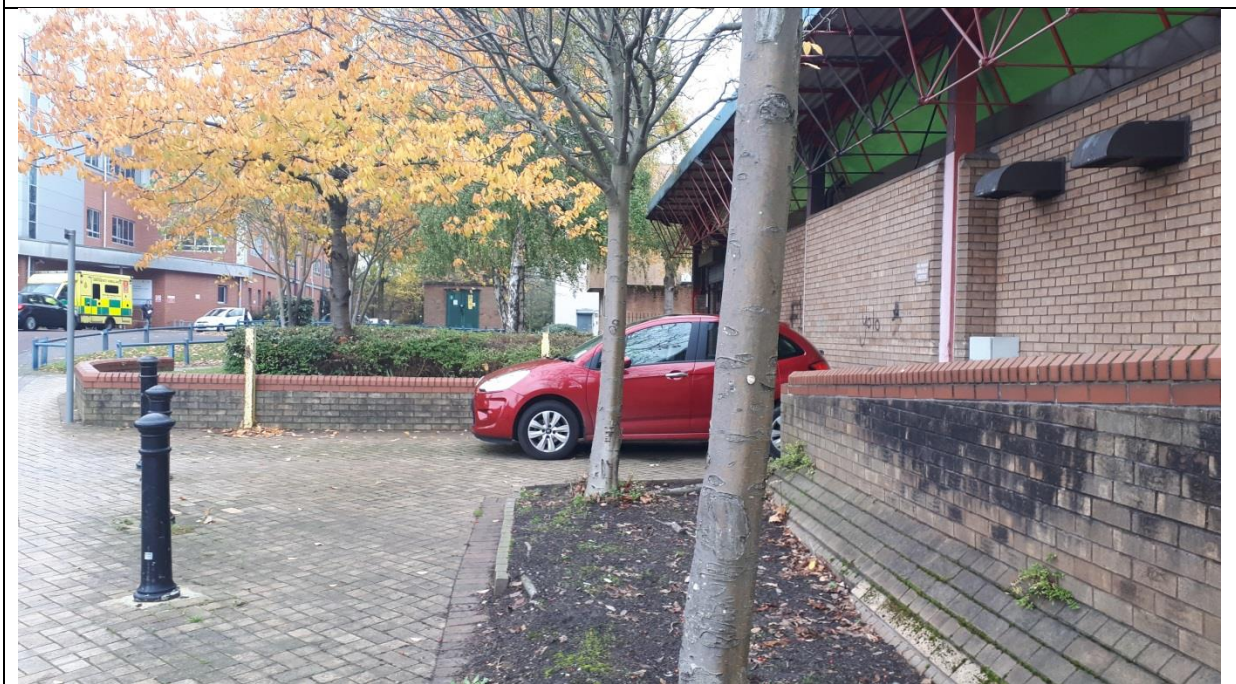


Photo 12 – Southern boundary of the site along Westmoreland Road

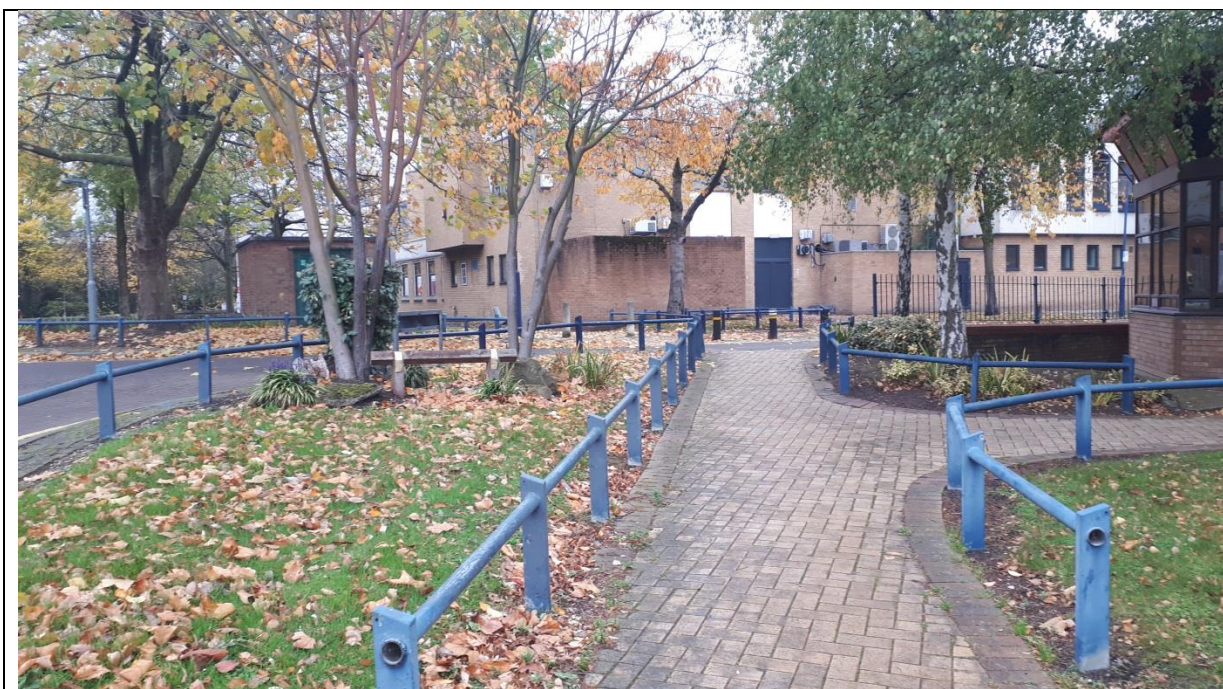


Photo 13 – Pedestrian walkway and soft landscaped areas to the south of the site



Photo 14 – vehicle access to the site from the south via Westmoreland Road and Civic Way



Photo 15 – Civic Way



Photo 16 – Electricity Substation located on site to the south



Photo 17 – The Venue noted to the south of the site



Photo 18 – Electricity substation



Photo 19 – Rear of Huyton Library



Photo 20 – Westmoreland Road



Photo 21 – South west corner of the site



Photo 22 – Vehicle access to the site from the west via Poplar Bank and Civic Way



Photo 23 – Huyton Library



Photo 24 – Evidence of services on site



Photo 25 – Front of library building on Civic Way

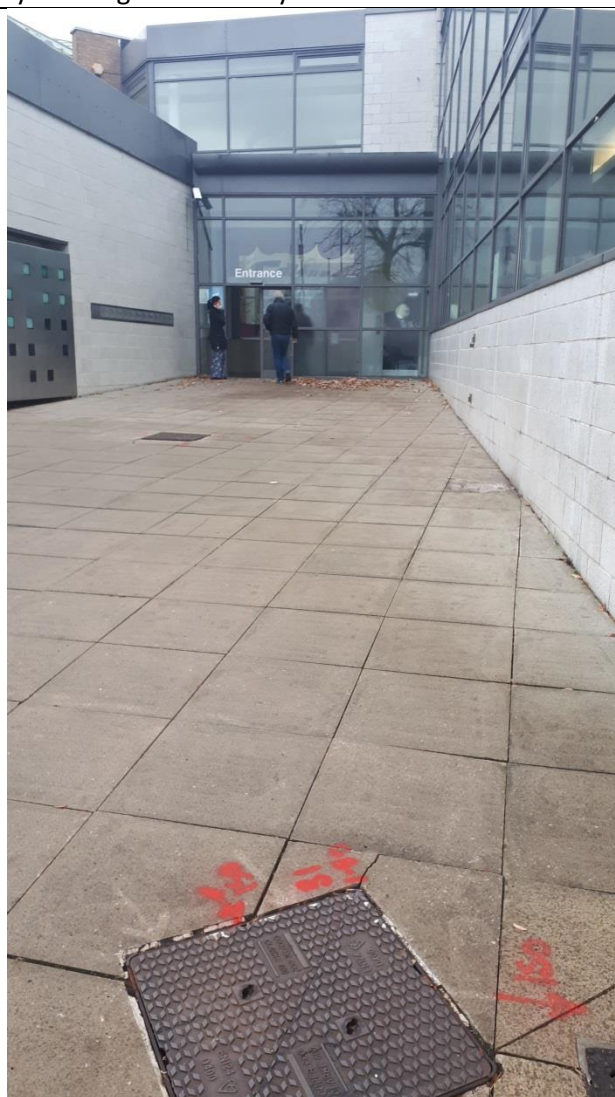


Photo 26 – Entrance to library



Photo 27 – Front of The Venue



Photo 28 – Car park located on site



Photo 29 – Boundary of car park



Photo 30 – Car park to the west of the site



Photo 31 – North west corner of the site adjacent to the petrol station



Photo 32 – Car park to the centre of the site



Photo 33 – Adjacent petrol station



Photo 34 – Car park located to the north of the site



Photo 35 – Pedestrian access to the north from Archway Road



Photo 36 – Car park and council building



Photo 37 – Knowsley Council offices



Photo 38 – Northern boundary of council building



Photo 39 – Pedestrian access to buildings



Photo 40 – Eastern boundary of council building



Photo 41 – Vehicle access to the north east of the site via Archway Road



Photo 42 – Taxi rank to the north east corner of the site



Photo 43 – Electric car charging station located on site



Photo 44 – North east corner of the site

Appendix C: Linesearch and Services

Enquirer

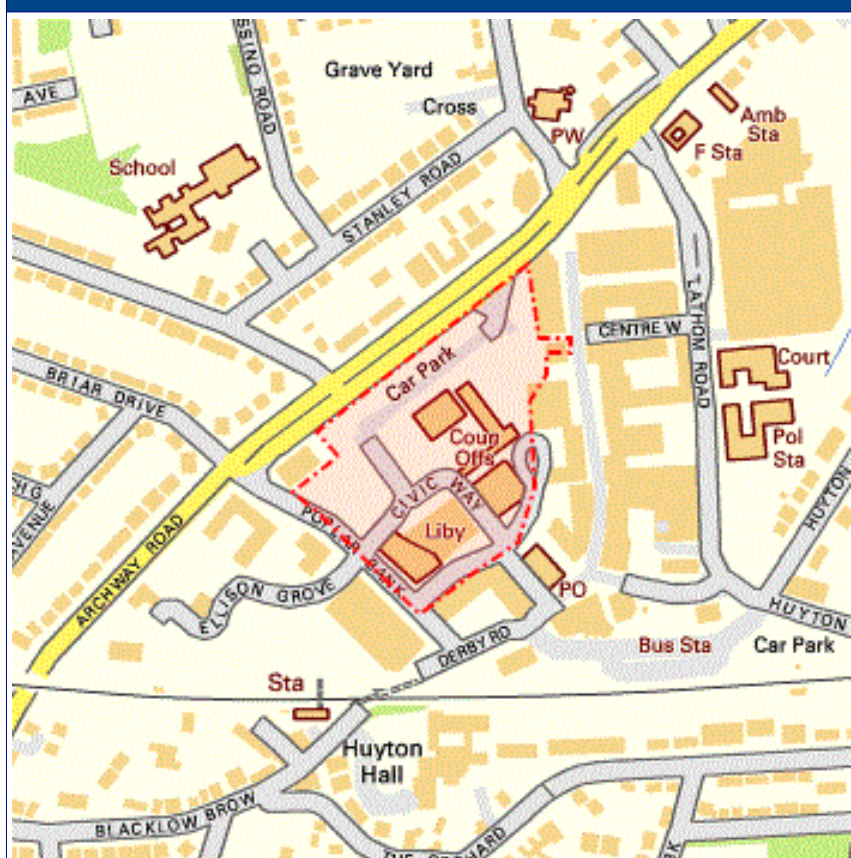
Name	Miss Kelly Davies	Phone	0151 224 6188
Company	Sutcliffe	Mobile	Not Supplied
Address	18-20 Harrington Street Liverpool Merseyside L2 9QA		
Email	kelly.davies@sutcliffe.co.uk		

Enquiry Details

Scheme/Reference	30104LG		
Enquiry type	Planned Works	Work category	Excavations Non Utility
Start date	26/11/2018	Work type	Multiple excavations site
End date	29/11/2018	Site size	33991 metres square
Searched location	L36 9GD	Work type buffer*	25 metres
Confirmed location	344167 390846		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lineasearchbeforeudig.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

Notes. Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Asset Owners & Responses. Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
 - a. These LSBUD Members will either:
 - i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.
 - ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.
2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")
3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

National Grid. Please note that the LSBUD service only contains information on National Grid's Gas above 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members

No LineasearchbeforeUdig Asset Owners within the Zone of Interest

LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members

AWE Pipeline	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
BP Exploration Operating Company Limited	BPA	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CLH Pipeline System Ltd	Concept Solutions People Ltd	ConocoPhillips (UK) Ltd
DIO (MOD Abandoned Pipelines)	E.ON UK CHP Limited	EirGrid
Electricity North West Limited	ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited
EP Langage Limited	ESP Utilities Group	ESSAR
Esso Petroleum Company Limited	Fulcrum Pipelines Limited	Gamma
Gateshead Energy Company	Gigaclear PLC	Gtt
Hafren Dyfrdwy	Humbly Grove Energy	IGas Energy
INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)	INOVYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Northumbrian Water Group	NPower CHP Pipelines
Oikos Storage Limited	Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)
Petroineos	Phillips 66	Premier Transmission Ltd (SNIP)
Prysmian Cables & Systems Ltd (c/o Western Link)	Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)
RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals	Scottish Power Generation
Seabank Power Ltd	Severn Trent (Chester area only)	SGN
Shell (St Fergus to Mossmorran)	Shell Pipelines	SSE (Peterhead Power Station)
Tata Communications (c/o JSM Construction Ltd)	Total (Colnbrook & Colwick Pipelines)	Total Finaline Pipelines
Transmission Capital	UK Power Networks	Uniper UK Ltd
Vattenfall	Veolia ES SELCHP Limited	Western Power Distribution
Westminster City Council	Wingas Storage UK Ltd	Zayo Group UK Ltd c/o JSM Group Ltd

The following Non-LSBUD Members may have assets in your search area. It is **YOUR RESPONSIBILITY** to contact them before proceeding. Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.

Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	Preferred contact method	Phone	Status
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08009173993	Not Notified
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk	02087314613	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
Energetics Electricity	plantenquiries@energetics-uk.com	01698404646	Not Notified
ENGIE	nrsua@cofely-gdfsuez.com	01293 549944	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Interoute	interoute.enquiries@plancast.co.uk	02070259000	Not Notified
KPN (c/-Instalcom)	kpn.plantenquiries@instalcom.co.uk	n/a	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
National Grid Gas Distribution (below 2 bar)	plantprotection@nationalgrid.com	0800688588	Not Notified
Network Rail	OPBuriedServicesEnquiries@networkrail.co.uk	01904523401	Not Notified
Scottish Power (South)	requestforplansmanweb@sppowersystems.com	01516092373	Not Notified
Sky UK Limited	nrsua@sky.uk	02070323234	Not Notified
Sota	SOTA.plantenquiries@instalcom.co.uk		Not Notified
Teliasonera	telentelia.plantenquiries@telent.com	0800526015	Not Notified
United Utilities	WastewaterDeveloperServices@uuplc.co.uk	08707510101	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified
Vtesse Networks	https://plant.interoute.com/plant-enquiries/	01992532100	Not Notified

Disclaimer

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The results of this Enquiry are personal to the Enquirer and shall not be shared with or relied upon by any other party. The asset information on which the Enquiry results are based has been provided by LSBUD Members, therefore LineSearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There may also be asset owners which do not participate in the enquiry service operated by LineSearchbeforeUdig, including but not exclusively those set out above. Therefore, LineSearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results or accept any responsibility for the accuracy of the mapping images used. LineSearchbeforeUdig and its employees, agents and consultants accept no liability (save that nothing in this Enquiry Confirmation excludes or limits our liability for death or personal injury arising from our negligence, or our fraud or fraudulent misrepresentation, or any other liability that cannot be excluded or limited by English law) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence.

Sutcliffe Projects Ltd

**18-20
Harrington Street,
Liverpool,
L2 9QA**

FAO:

How to contact us:

**United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP**

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

**Your Ref: 30104LG
Our Ref: UUPS-ORD-68046
Date: 06/11/2018**

Dear Sirs

**Location: KNOWSLEY METROPOLITAN BOROUGH COUNCIL HUYTON LIBRARY CIVIC WAY,
LIVERPOOL, L36 9GD**

I acknowledge with thanks your request dated 02/11/2018 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' apparatus known to be in the vicinity of this site.

The enclosed plans are being provided to you subject to the United Utilities terms and conditions for both the wastewater and water distribution plans which are shown attached.

If you are planning works anywhere in the North West, please read United Utilities' access statement before you start work to check how it will affect our network. <http://www.unitedutilities.com/work-near-asset.aspx>.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please [contact us](#).

Yours Faithfully,



Karen McCormack
Property Searches Manager

TERMS AND CONDITIONS - WASTERWATER AND WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

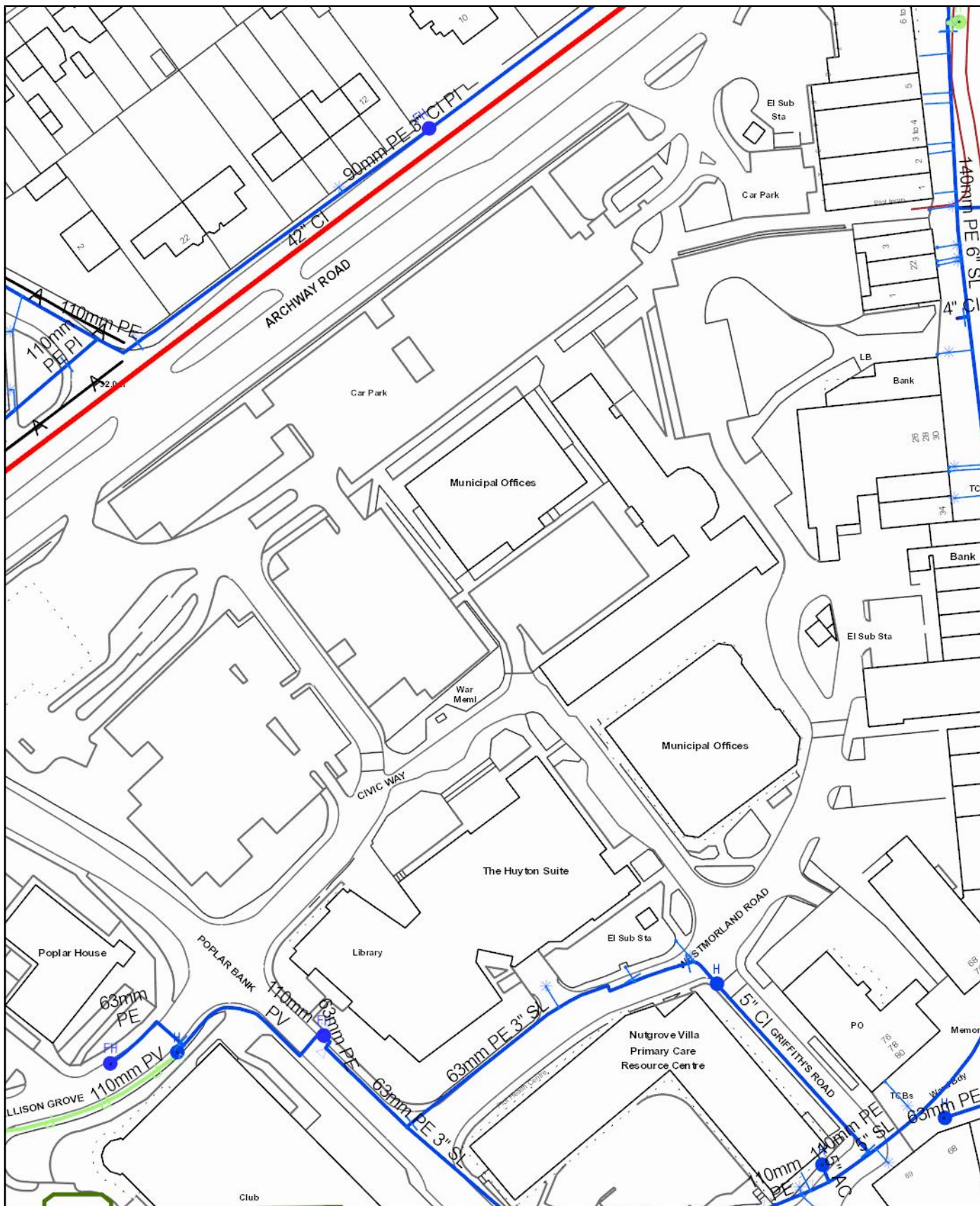
TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
- This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
- The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
- If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.
- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

Clean Water Symbolology

Proposed	Abandoned	Live	
			Distribution Main
			Trunk Main
			Comms Pipe
			Private Pipe
			Concessionary Service
			Raw Water
			LDTM Raw Water
			LDTM Treated Water
			Air Valve
			AC Valve, open
			AC Valve, closed
			CC Valve, open
			CC Valve, closed
			Non Return Valve
			Pressure Management Valve
			OMS Valve
			Stop Tap
			Flow Meter
			Domestic Meter
			Commercial Meter
			Pump
			Hydrant
			Fire Hydrant
			Anode
			Chlorination Point
			De-chlorination Point
			Strainer Point
			Access Point
			Hatch Box
			IP Point
			Sampling Station
			Logger Box
			Bore Hole
			Inlet Point
			Bulk Supply Point
			End Cap
			Site Termination
			Change of Characteristic
			Condition Report
			<u>Property Types</u>
			Water Tower
			Valve House
			Booster Pumping Station
			Intake Pumping Station
			Water Treatment Works
			Supply Reservoir
			Service Reservoir
			Impounding Reservoir
			Pipe Bridge

Symbology for proposed assets is the same as above, but shown in **green**
Symbology for abandoned assets is the same as above, but shown in **black**



Scale: 1:1282
Date: 06/11/2018

WATER MAINS RECORDS

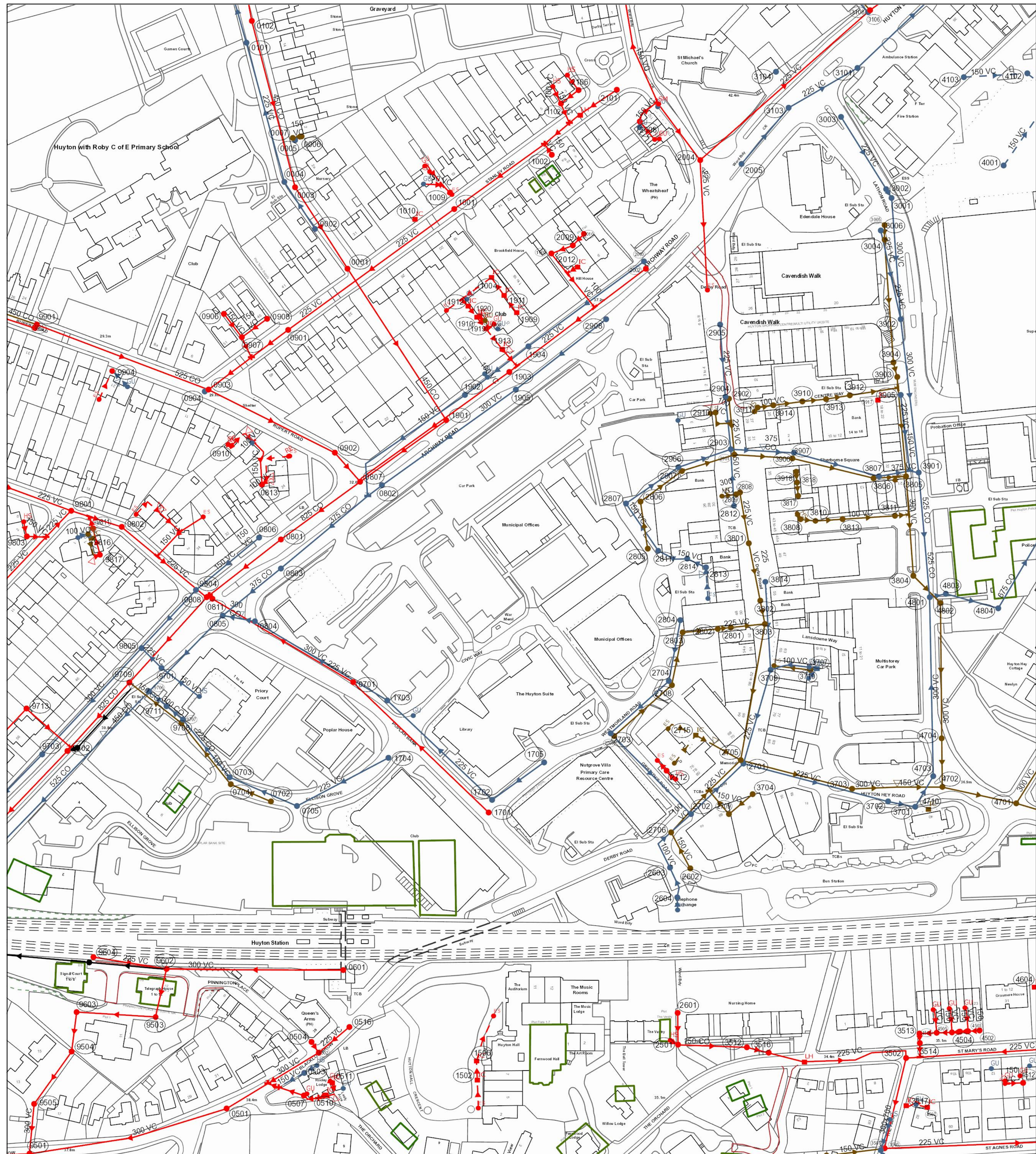
Address or Site Reference: KNOWSLEY METROPOLITAN BOROUGH
COUNCIL HUYTON LIBRARY CIVIC WAY,
LIVERPOOL, L36 9GD

Printed by: Property Searches



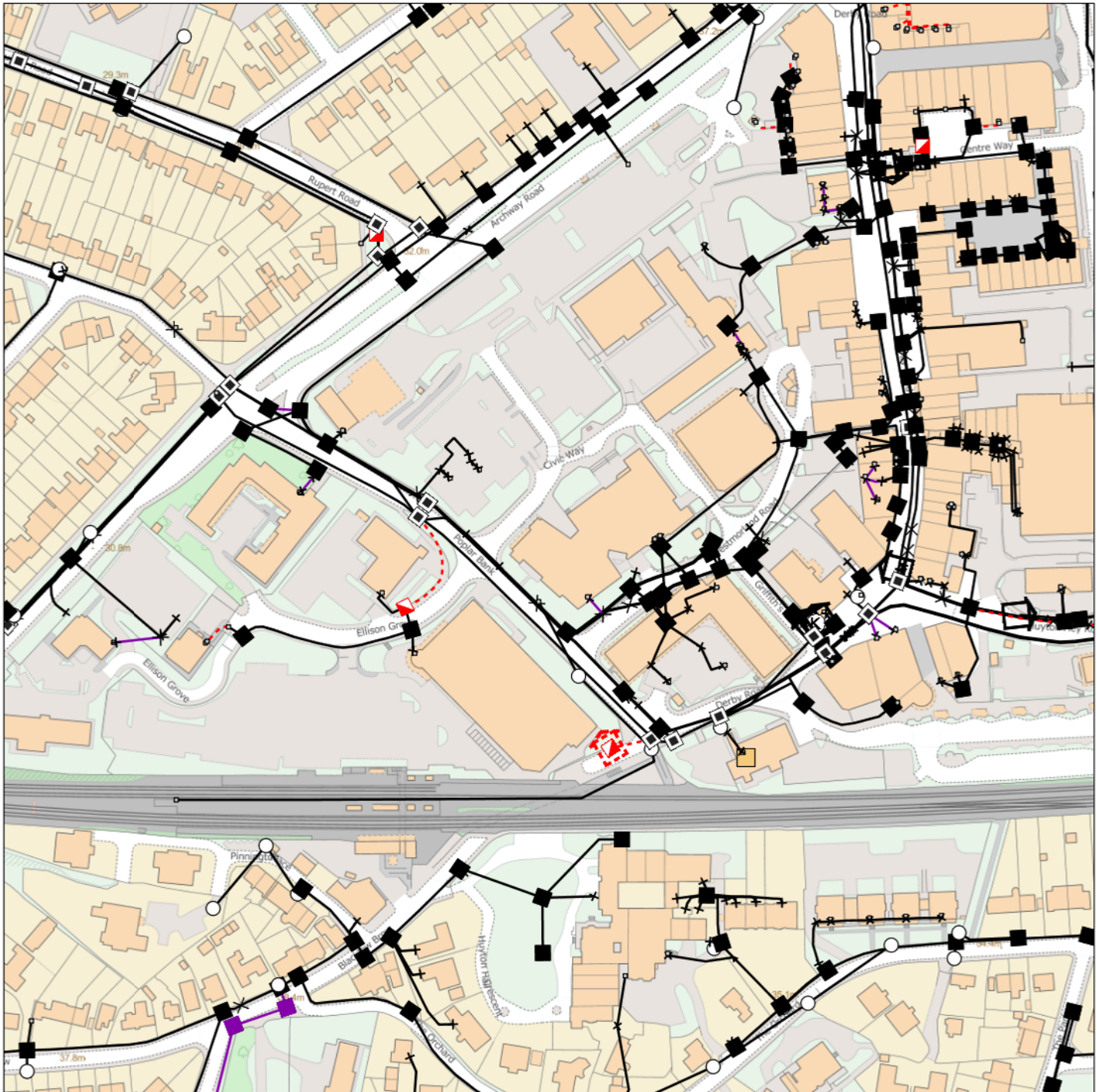
The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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Reho	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
9902	29.29	CO	27.6	27.6	27.6	VC	2.28258	1 in 234	1 in 462
9901	29.29	CO	27.65	535	535	VC	101.5923	1 in 155	1 in 155
9891	29.16	CO	27.68	225	225	VC	29.41088	1 in 155	1 in 155
9811	34.91	SW	31.94	675	675	VC	30.08322	1 in 154	1 in 154
9806	34.91	SW	31.94	675	675	VC	30.08322	1 in 154	1 in 154
4801	34.91	SW	31.94	675	675	VC	30.08322	1 in 154	1 in 154
4803	34.91	SW	31.94	675	675	VC	30.08322	1 in 154	1 in 154
4804	34.91	SW	31.94	675	675	VC	30.08322	1 in 154	1 in 154
3101	37.33	SW	35.69	225	225	VC	85.58621	1 in 33	1 in 33
4102	34.65	SW	33.67	50	50	VC	35.05709	1 in 1024860	1 in 1024860
3907	36.56	SW	33.66	300	300	VC	21.40093	1 in 0.6526660	1 in 0.6526660
3906	36.56	SW	33.66	300	300	VC	46.32404	1 in 515	1 in 515
3813	36.58	FO	33.82	375	375	VC	38.78474	1 in 70	1 in 70
3810	36.58	FO	33.82	375	375	VC	14.93236	1 in 30694	1 in 30694
3813	36.58	FO	33.82	375	375	VC	29.12476	1 in 451	1 in 451
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3806	36.58	FO	33.82	375	375	VC	18.02776	1 in 451	1 in 451
3807	36.58	FO	33.82	375	375	VC	22.3017	1 in 41	1 in 41
3804	36.58	FO	33.82	375	375	VC	2.24211	1 in 52	1 in 52
3811	36.58	FO	33.82	375	375	VC	7.703831	1 in 230	1 in 230
3803	36.58	FO	33.82	375	375	VC	55.22681	1 in 93	1 in 93
3802	36.25	SW	33.57	300	300	VC	85.58621	1 in 93	1 in 93
3805	36.54	FO	33.76	300	300	VC	42.29657	1 in 388	1 in 388
3804	36.54	FO	33.76	300	300	VC	55.14526	1 in 255	1 in 255
3801	36.31	SW	32.47	525	525	VC	21.2132	1 in 216	1 in 216
2004	39.95	CO	0	150	150	VC	69.26038	1 in 216	1 in 216
2008	39.95	CO	0	150	150	VC	15.21224	1 in 41	1 in 41
3103	38.45	SW	36.76	225	225	VC	105.3994	1 in 38	1 in 38
3108	39.52	CO	33.44	225	225	VC	43.909	1 in 160	1 in 160
2905	37.52	SW	35.73	225	225	VC	30.8554	1 in 207	1 in 207
3006	37.25	SW	35.56	225	225	VC	40.11234	1 in 42	1 in 42
3001	37.45	SW	34.27	300	300	VC	60.21902	1 in 100	1 in 100
2004	39.95	CO	0	150	150	VC	67.18031	1 in 100	1 in 100
3005	37.16	FO	34.63	225	225	VC	72.1102	1 in 18	1 in 18
3002	37.39	SW	34.6	225	225	VC	8	1 in 15	1 in 15
3003	37.81	SW	36.55	225	225	VC	5.830952	1 in 24	1 in 24
4001	34.14	SW	33.65	150	150	VC	47.16991	1 in 24	1 in 24
2005	40.04	SW	38.38	225	225	VC	42.43819	1 in 12605676	1 in 12605676
2812	36.47	SW	35.05	150	150	VC	40.45988	1 in 28	1 in 28
2807	36.47	SW	35.05	150	150	VC	31.29959	1 in 110	1 in 110
2807	36.65	FO	34.28	150	150	VC	35.22783	1 in 110	1 in 110
2806	36.66	SW	34.7	225	225	VC	30.36445	1 in 89	1 in 89
2901	36.67	FO	34.09	300	300	VC	30.67572	1 in 86	1 in 86
2902	37.01	FO	34.93	225	225	VC	32.06244	1 in 401	1 in 401
2903	36.67	SW	34.34	375	375	VC	31.14482	1 in 43	1 in 43
2904	37.06	SW	35.47	225	225	VC	18.02776	1 in 72	1 in 72
2910	36.79	SW	34.96	225	225	VC	29.15476	1 in 101	1 in 101
3911	36.79	SW	34.96	225	225	VC	46.13566	1 in 101	1 in 101
3914	36.79	SW	34.96	225	225	VC	8.698142	1 in 101	1 in 101
3910	36.76	SW	35.89	100	100	VC	16.14008	1 in 429	1 in 429
3814	36.79	SW	34.96	225	225	VC	13.2734	1 in 429	1 in 429
2803	36.79	SW	34.96	225	225	VC	34.32025	1 in 429	1 in 429
2802	36.63	FO	34.74	225	225	VC	48.78466	1 in 89	1 in 89
2801	36.6	FO	34.72	225	225	VC	7.286951	1 in 89	1 in 89
3802	36.23	FO	34.23	300	300	VC	10.00672	1 in 41	1 in 41
3801	36.17	FO	34.42	225	225	VC	13.11914	1 in 203	1 in 203
2813	36.17	SW	34.42	225	225	VC	32.40598	1 in 203	1 in 203
2814	36.17	SW	34.42	225	225	VC	11.35166	1 in 165	1 in 165
2811	36.17	SW	34.42	225	225	VC	17.165	1 in 165	1 in 165
2805	36.61	FO	34.78	150	150	VC	31.6554	1 in 82	1 in 82
2809	36.6	FO	34.61	225	225	VC	28.30589	1 in 82	1 in 82
2806	36.59	FO	34.43	150	150	VC	28.44202	1 in 219	1 in 219
2808	36.65	FO	34.91	300	300	VC	28.6907	1 in 191	1 in 191
0001	32.89	CO	27.43	450	450	VC	2.23608	1 in 45	1 in 45
1901	33.85	CO	27.37	450	450	VC	100.1072	1 in 1688	1 in 1688
1903	35.52	CO	32.05	225	225	VC	58.5419	1 in 154	1 in 154
1902	34.29	SW	33.09	150	150	VC	102.8693	1 in 154	1 in 154
1909	35.21	SW	32.13	300	300	VC	84.87833	1 in 66	1 in 66
1908	35.21	SW	32.13	300	300	VC	91.02197	1 in 66	1 in 66
1904	35.62	SW	34.34	150	150	VC	1.307024	1 in 35	1 in 35
2002	37.91	CO	34.86	225	225	VC	44.20407	1 in 34	1 in 34
2008	36.85	SW	33.1	300	300	VC	64.70621	1 in 34	1 in 34
2003	37.88	CO	0	150	150	VC	63.41135	1 in 65	1 in 65
2009	37.88	CO	0	150	150	VC	79.40403	1 in 65	1 in 65
1905	36.79	SW	34.96	225	225	VC	12.73445	1 in 158	1 in 158
1906	36.79	SW	34.96	225	225	VC	38.18158	1 in 158	1 in 158
2010	36.79	SW	34.96	225	225	VC	8.80283	1 in 158	1 in 158
1002	37.89	CO	35.31	150	150	VC	7.21102	1 in 182	1 in 182
2106	37.89	CO	35.31	150	150	VC	12.27517	1 in 216	1 in 216
1102	39.37	CO	36.93	225	225	VC	11.73971	1 in 356	1 in 356
0101	33.06	SW	29.6	225	225	VC	36.40055	1 in 182	1 in 182
0104	31.75	SW	29.88	225	225	VC	59.91228	1 in 216	1 in 216
0903	29.67	CO	27.33	525	525	VC	78.28238	1 in 356	1 in 356
0907	30	CO	0	150	150	VC	12.35023	1 in 356	1 in 356
0905	30	CO	0	150	150	VC	17.45846	1 in 356	1 in 356
0901	31.54	CO	28.58	225	225	VC	25.3336	1 in 77	1 in 77
0802	32.52	SW	30.74	375	375	VC	12.48199	1 in 419	1 in 419
0807	32.46	CO	28.99	825	825	VC	54.0588	1 in 94	1 in 94
0802	32.55	SW	30.33	225	225	VC	11.9445	1 in 94	1 in 94
1001	35.5	CO	33.15	225	225	VC	113.8112	1 in 28	1 in 28
0903	31.71	SW	27.96	450	450	VC	13.33503	1 in 412	1 in 412
0902	31.56	CO	27.11	525	525	VC	21.26029	1 in 177	1 in 177
3503	32.7	CO	30.73	225	225	VC	148.1216	1 in 185	1 in 185
4502	32.7	CO	30.73	225	225	VC	148.1216	1 in 185	1 in 185
3703	37.41	CO	33.28	300	300	VC	25.01999	1 in 131	1 in 131
3702	37.27	SW	34.3	300	300	VC	19.7208	1 in 131	1 in 131
3701	37.42	SW	34.5	225	225	VC	19.7208	1 in 131	1 in 131
4703	36.75	SW	34.3	300	300	VC	56.0002	1 in 183	1 in 183
4802	34.91	FO	33.42	300	300	VC	75.05861	1 in 164	1 in 164
4704	36.75	SW	34.3	300	300	VC	28.94629	1 in 183	1 in 183
4702	36.93	FO	32.91	300	300	VC	41.97818	1 in 164	1 in 164
4701	36.72	FO	32.7	300	300	VC	108.5219	1 in 164	1 in 164
5501	36.83	CO	33.53	300	300	VC	131.078	1 in 155	1 in 155
5505	36.83	CO	33.53	300	300	VC	27.67054	1 in 155	1 in 155
5507	32.63	SW	30.08	300	300	VC	4.44214	1 in 42	1 in 42
3502	34.84	CO	31.93	225	225	VC	51.41984	1 in 42	1 in 42
4506	36.79	SW	34.96	225	225	VC	9.536918	1 in 42	1 in 42
3513	36.79	SW	34.96	225	225	VC	5.23962	1 in 42	1 in 42
3514	36.79	SW	34.96	225	225	VC	7.71127	1 in 42	1 in 42
4505	36.79	SW	34.96	225	225	VC	6.417136	1 in 42	1 in 42
4504	36.79	SW	34.96	225	225	VC	4.377164	1 in 42	1 in 42
4503	36.79	SW	34.96	225	225	VC	4.614695	1 in 42	1 in 42
2706	38.51	FO	36	225	225	VC	55.47595	1 in 211	1 in 211
2702	38.5	SW	35.57	225	225	VC	33.15411	1 in 211	1 in 211
2702	38.4	SW	35.23	225	225	VC	60.31129	1 in 211	1 in 211
3704	38.71	FO	38.14	150	150	VC	17.02039	1 in 20	1 in 20
2709	38.39	FO	37.26	150	150	VC	17.02039	1 in 20	1 in 20
2701	37.84	SW	35.23	225	225	VC	82.71033	1 in 131	1 in 131
2705	37.81	SW	33.71	300	300	VC	63.95018	1 in 131	1 in 131
2712	37.81	SW	33.71	300	300	VC	7.547562	1 in 131	1 in 131
3708	38.51	FO	36	225	225	VC	54.95795	1 in 187	1 in 187
3803	36.36	FO	34.13	300	300	VC	76.60776	1 in 187	1 in 187
2707	38.22	FO	35.84	225	225	VC	42.56296	1 in 266	1 in 266
2708	37.87	FO	35.64	225	225	VC	29.7581	1 in 45	1 in 45
3707	38.22	FO	35.84	225	225	VC	20.31671	1 in 45	1 in 45
3512	38.22	FO	35.84	225	225	VC	61.51867	1 in 45	1 in 45
3512	38.22	FO	35.84	225	225	VC	12.44798	1 in 45	1 in 45
2601	38.22	FO	35.84	225	225	VC	38.00089	1 in 45	1 in 45
2601	38.22</								

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy.

It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



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KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

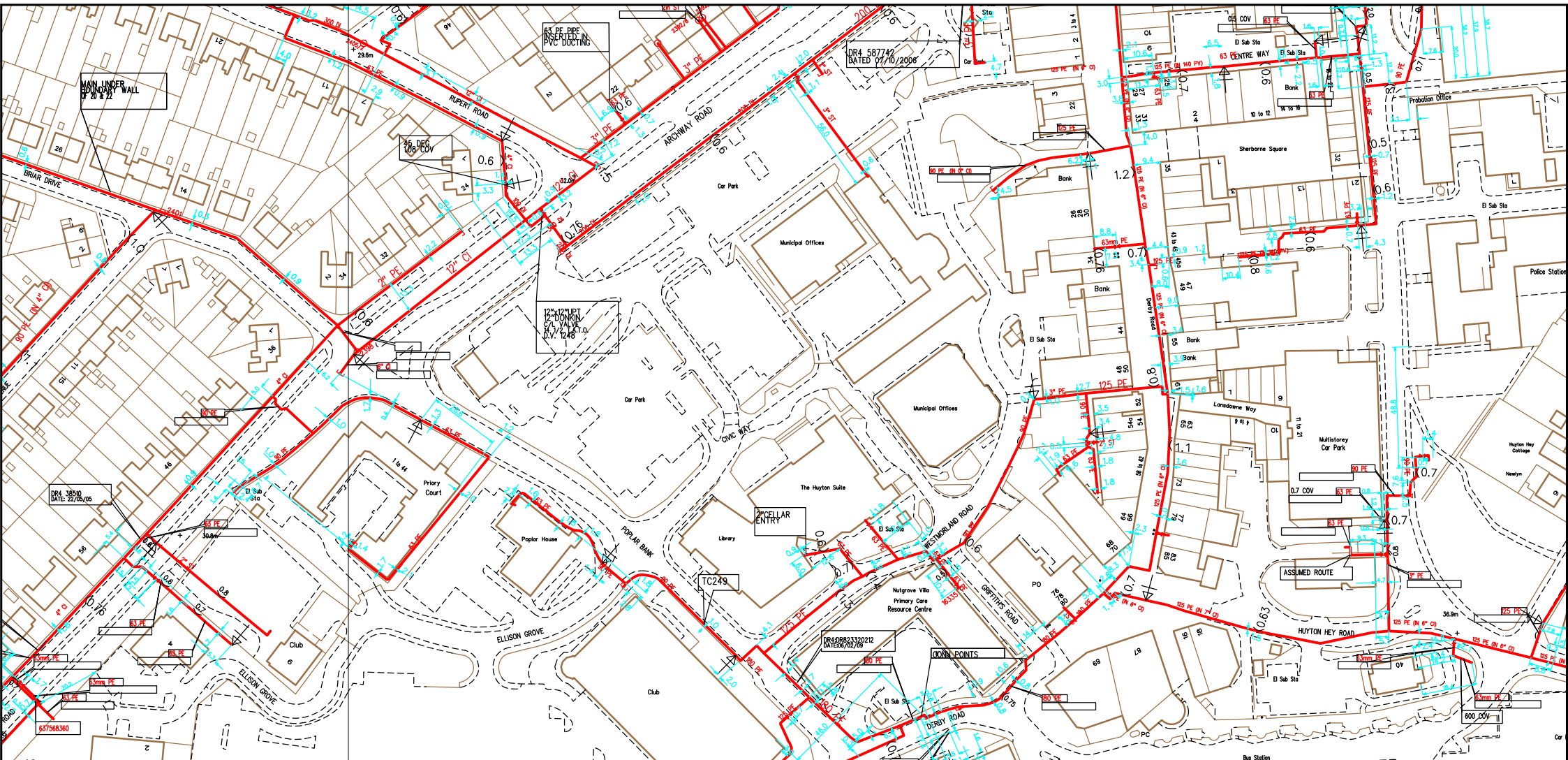
BT Ref : RPW10279E

Map Reference : (centre) SJ4414590760

Easting/Northing : (centre) 344145,390760

Issued : 02/11/2018 10:27:36

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk



SCALE: Not to scale		LP MAINS MP MAINS IP MAINS LHP MAINS Some examples of Plant Items: Valve Depth of Cover Syphon Diameter Change Material Change Out of Standard Service	This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Ltd or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.	MAPS Viewer Version 5.8.0.1
USER ID: daviesk				
DATE: 02/11/2018				
EXTRACT DATE: 31/08/2018				
MAP REF: SJ4490				
CENTRE: 344167, 390818				
			Local Machine	
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Appendix D: Detailed Site Historical Review

Annex D- Detailed Historical Maps Review		
Date/Scale	Features On-site	Features Off-site
1850 1:10,560	The site is largely under AGRICULTURAL usage with no development noted on site.	The surrounding area is largely under AGRICULTURAL usage. A small amount of development is noted in the surrounding area, noted on maps as Huyton. A RAILWAY LINE is noted 90m south of the site. A SANDSTONE QUARRY is noted approximately 880m south west of the site.
1892-1893 1:2,500	RESIDENTIAL development is noted to occupy the southern boundary of the site, comprising large houses with associated gardens. Another PROPERTY , believed to be residential also is noted to the north of the site.	There is a large increase in RESIDENTIAL development in the surrounding area, particularly to the east and south of the site.
1908-1909 1:10,560	No significant changes are noted on site.	An increase in industrial development is noted in the wider surrounding areas, comprising the following: A SMITHY is noted approximately 500m south west of the site. Several FARMS are noted approximately 600-800m west of the site. A trial SHAFT is noted approximately 700m north east of the site. A PLANTATION is noted approximately 750m east of the site.
1927 1:2,500	An additional RESIDENTIAL building is noted to the north of the site.	No significant change is noted in the surrounding area of the site.
1938 1:10,560	No significant changes are noted on site.	An increase in development is noted in the surrounding areas, predominantly residential and particularly to the north west of the site.
1952-1958 1:2,500	A SCHOOL is noted to the east of the site.	Another increase in residential development is seen in the surrounding areas.

Annex D- Detailed Historical Maps Review		
Date/Scale	Features On-site	Features Off-site
1954-1967 1:1,250	The school is no longer noted on site. A large building is now present in the centre of the site, identified as MUNICIPAL OFFICES. Several of the residential properties on site are now also identified as Municipal Offices.	No significant change is noted in the surrounding area of the site.
1955-1956 1:10,000	No significant changes are noted on site.	A SURFACE WATER FEATURE in association with the River Alt is noted approximately 500m north east of the site.
1964-1976 1:1,250	The site has been redeveloped and configuration has changed, comprising 4 buildings; Council Office, The Huyton Suite, Municipal Office and an unidentified building.	A general increase in development is seen in the surrounding area with more commercial development noted.
1984-1989 1:1,250	Two of the buildings noted on site are no longer present. One Council Office to the west and a building to the north.	No significant change is noted in the surrounding area of the site.
1999 1:10,000	A building to the south west of the site is noted as a library.	No significant change is noted in the surrounding area of the site.
2018 1:10,000	No further significant changes are noted to have taken place on site.	No further significant changes have been noted to take place in the surrounding area of the site.

Appendix E: Coal Mining Report (Report Reference 51001965558002)



The Coal
Authority

Resolving the **impacts** of mining

CON29M Non-Residential Mining Report

HUYTON VILLAGE
LIVERPOOL
MERSEYSIDE
L36 9GD

Date of enquiry: 02 November 2018
Date enquiry received: 02 November 2018
Issue date: 02 November 2018

Our reference: 51001965558002
Your reference: 184912051_2|



CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority, at the time we answer the search.

Client name

LANDMARK INFORMATION GROUP LIMITED

Enquiry address

HUYTON VILLAGE, LIVERPOOL, MERSEYSIDE, L36 9GD

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

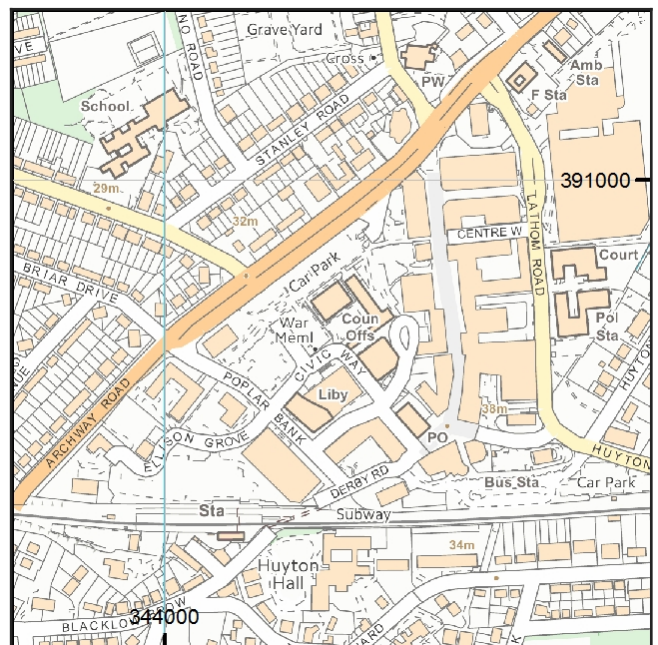
200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

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Approximate position of property



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Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	No
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	No
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is not within a surface area that could be affected by recorded past underground mining.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Additional remarks

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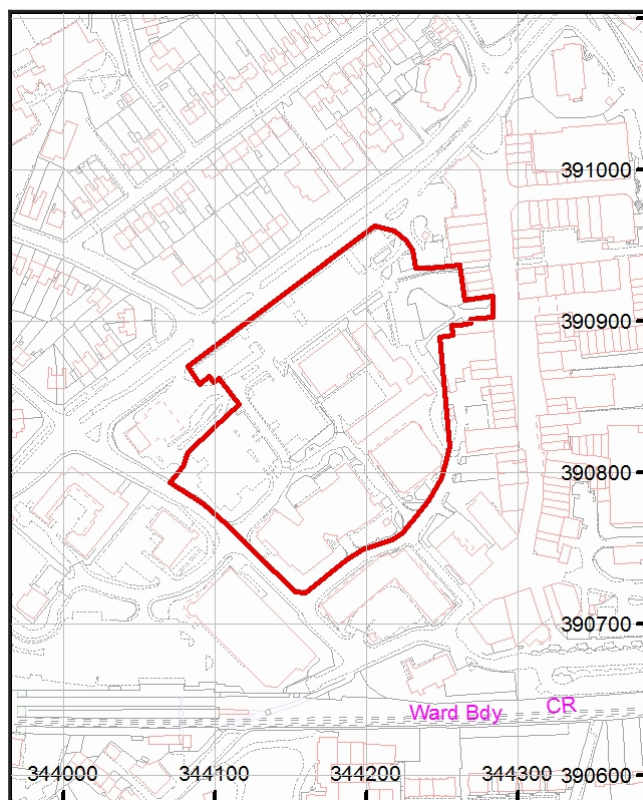
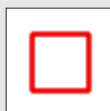
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Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us

0345 762 6848 (UK)
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200 Lichfield Lane
Mansfield
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NG18 4RG

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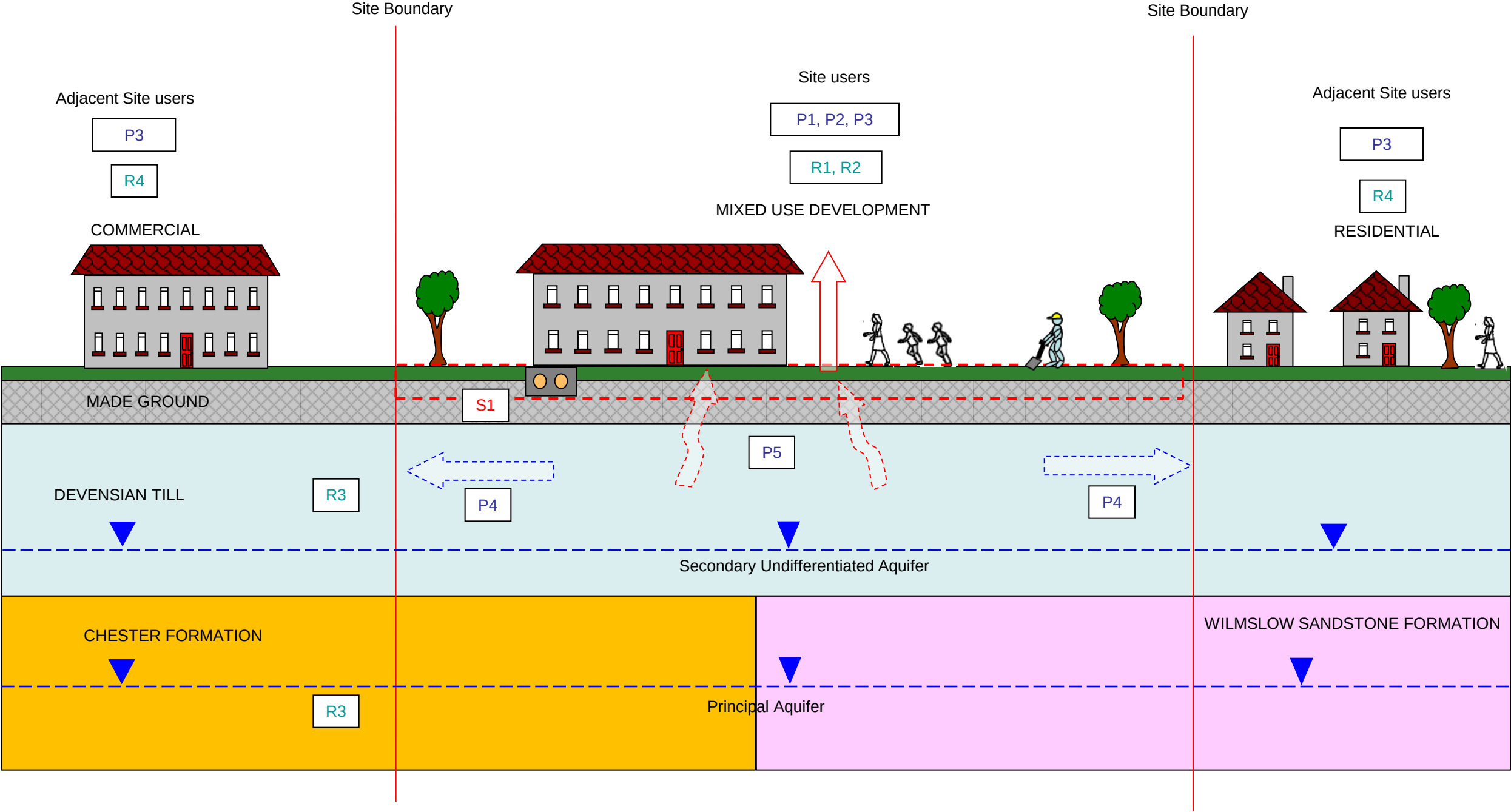
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Figure 4: Preliminary Conceptual Site Model



Key	
S1 – Potentially Contaminated Soil - Onsite	
R1 Future site Users	
R2 Construction Workers	
R3 Controlled waters	
R4 Adjacent Site Users	
R5 Infrastructure & Buried services	
P1 Direct Contact	
P2 Ingestion	
P3 Inhalation	
P4 Leaching & Migration	
P5 Vertical & lateral migration of ground gas	

	Client: Knowsley Council		
	Project: Huyton Village		
	Title: Preliminary Conceptual Site Model (CSM)		
Purpose: Report	Draft		Scale (at A3)
	Issue	1	Not to scale
Issuing Office: Liverpool	Drawing number		Version
Telephone: 0151 227 3155			A