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PHASE 1: DESK TOP STUDY REPORT

ELEMENTS CONSTRUCTION

LAND WITHIN CARLTON INDUSTRIAL ESTATE

ALBION ROAD

CARLTON

BARNSLEY

S71 3HW

Project No: 14-256

Prepared By:

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Date: 17/06/2014

Approved By:

Terry McMenam

Date: 17/06/2014

The information and/or advice contained in this Phase 1: Desk Top Study Report is based solely on, and is limited to, the boundaries of the site, the immediate area around the site, and the historical use(s) unless otherwise stated. This 'Report' has been prepared in order to collate information relating to the physical, environmental and industrial setting of the site, and to highlight, where possible, the likely problems that might be encountered when considering the future development of this site for the proposed end use. All comments, opinions, diagrams, cross sections and/or sketches contained within the report, and / or any configuration of the findings is conjectural and given for guidance only and confirmation of the anticipated ground conditions should be considered before development proceeds. Agreement for the use or copying of this report by any Third Party must be obtained in writing from Arc Environmental Limited (ARC). If a change in the proposed land use is envisaged, then a reassessment of the site should be carried out.

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1.0 Introduction June 2014

Arc Environmental Limited were instructed by CRL Architects Limited of Leeds, West Yorkshire, on behalf of their client Elements Construction to undertake a Phase 1: Desk Top Study Report for the proposed redevelopment of land within Carlton Industrial Estate, Barnsley, South Yorkshire. The proposal is to demolish the existing structures located on site, with the construction of four industrial units with adjoining hardstanding yards. The primary objectives of the report were to assess the geological and contaminated land conditions on and beneath the surface and a preliminary Conceptual Site Model (CSM) has been developed to define the scope and extent of any further investigation works deemed necessary, prior to commencing with the proposed building extension.

A site reconnaissance (walkover) survey was undertaken as part of these works, which involved an inspection of the site and its vicinity. Site photographs were taken during the survey and these can be seen attached in Appendix II, with all relevant observations noted in section 2.1 below.

2.0 Physical Setting

2.1 Site Details:-

Table 2.1

Site Name & Address:	Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW.
National Grid Reference:	436460, 409660 – representative for the central part of the site.
Description of Location:	The site is located within Carlton Industrial Estate to the north of Barnsley, South Yorkshire and is accessed from the south, via Albion Road.
Site Boundaries:	N = Industrial Units, E = Industrial Units, S = Albion Road, W = Industrial Units.
Site Shape & Development Details:	The site is rectangular in shape, occupying an area of 0.47Ha. The proposal is to demolish the existing industrial units present on site and to construct 4 no. industrial units with associated hard standing yards.
General Topography:	The site is generally level. A benchmark of c.57.9m AOD is recorded c.115m to the north of the site on the OS plans dated c.1993.
Site Surfacing:	The site surfacing comprises hardstanding tarmac and concrete with areas of unkempt grassland around the perimeter.
Above Ground Structures:	Two derelict former industrial units are located on site, one in the north-east and one in the south-west. During the site walkover an above ground oil storage tank (AST) was recorded in the south and a wooden structure was noted in the centre of the site.
Sub-surface Structures & Services:	Live services may pass below the development area associated with the derelict buildings recorded on site.
Summary of Recorded Historical Features:	A building was recorded in the south-eastern portion of the site c.1974 and was noted as Works c.1977. From c.1990, a building was developed in the north-eastern portion and the site was recorded as being located within Carlton Industrial Estate. The nature of the works are unknown however an Above Ground Storage Tank (AST) historically containing oil was recorded during the site walkover survey.

N = North, E = East, S = South, W = West

3.0 Environmental Setting

3.1 Site Geology:-

The geological assessment for this site has been based on records produced by the British Geological Survey (BGS) and Landmark Information Group. The following document has been reviewed as part of this study;

- Barnsley, Sheet 87, England & Wales, Solid and Drift Edition, 1:50,000 Series.
- BGS Boreholes: SE30NE11, SE30NE340 and 341.

3.0 Environmental Setting (Cont'd)

3.1 Site Geology (Cont'd):-

3.1.1 Made Ground:-

According to published BGS digital mapping, it is indicated that the site lies in an area where made ground deposits are initially recorded, the type and thickness unknown at present.

However, BGS Boreholes SE30NE340 (adjoining to the north-west) and 341 (adjoining to the north-east) recorded top soil overlying natural brown sandy gravely clay. Areas of demolition rubble were recorded in the north of the site, which may contain asbestos sheeting and fibres.

3.1.2 Drift Geology:-

BGS data indicates that most of the site is located in an area comprising Glacial Sand and Gravel Deposits. An area noted as being free from drift deposits bounds the south-eastern portion of the site. Adjacent BGS boreholes SE30NE340 and 341 adjoining to the north west and north east recorded between c.1.70m and c.1.90m of stiff brown sandy gravelly clay with sandstone fragments, before bedrock deposits were recorded.

3.1.3 Solid Geology:-

The solid geology underlying the site is shown to comprise Woolley Edge Rock (sandstone unit) deposited the Period of Earth's history known as the Carboniferous (Middle Coal Measures). BGS Borehole SE30NE11 recorded bedrock deposits from c.3.50m below ground levels.

3.2 Coal Mining & Quarrying Assessment:-

The bedrock deposits below the site area are shown to be Woolley Edge Rock, and as a result the shallowest coal seam below the site is likely to be the Woodmoor Coal seam which is anticipated at a depth >35m below site levels. BGS Borehole SE30NE11 c.450m to the west recorded Woolley Edge Rock to a depth of c.38m before Woodmoor Coal was encountered with a thickness of c.0.64m. Two Foot Coal was recorded at c.54m with a thickness of c.0.60 and Winter Coal at c.71m with a thickness of c.1.28m.

A Non-Residential Coal Authority Mining Report was procured to further assess the risks posed to the site with respect to possible instability issues arising in the future as a direct result of past shallow coal mining activities. The report concludes that the property is within the likely zone of influence from workings in 8 seams of coal at c.70m to c.390m, however, any ground movement from these coal workings should have stopped by now. Recourse was made with the Coal Authority and identified the shallowest recorded worked seam at c.70m as the Winter Seam, which was last worked in c.1948.

The Coal Authority did not identify the site as being within an area of probable shallow coal workings or an area where coal outcrops are expected close to the surface.

Given the overlying rock cover ratio of c.38m to extraction thickness of c.0.65m, this falls within the conventionally accepted minimum rock cover ratio of 10, taken as "safe" conditions (CIRIA Special Publication 32 – Building over abandoned mine workings).

Therefore at this stage it is felt that the mechanisms for future ground subsidence and crown hole failures occurring in the future as a direct result of shallow mining activities below the site is deemed to be negligible and consequently no further investigation works are required with respect to this geohazard.

3.0 Environmental Setting (Cont'd)

3.3 Site Hydrogeology:-

Table 3.1

STRATA	Aquifer / Soil Leachability EA Classification	Comments
Made Ground:	Soils of High Leaching Potential (U).	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.
Drift Geology:	Secondary A Aquifer.	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.
Solid Geology:	Secondary A Aquifer.	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

- There are no Source Protection Zones (SPZ) recorded within c.1km from the site.
- There are no Water Abstractions recorded within c.500m from the site.

3.4 Site Hydrology:-

Table 3.2

SURFACE WATER FEATURE	Location	Comments
GQA Classified River	None recorded within c.250m.	~
Unclassified Watercourse(s), Canals, Ponds & Lakes	One recorded within c.250m.	Carlton Beck located c.40m to the east.
Flooding	The site is shown to fall outwith designated Flood Zone II & III and therefore is unlikely to be at significant risk from future flooding..	It is recommended that further consultation with the LA and EA be made with respect to the potential for flood events in this area and to establish local knowledge of periodic flooding, standing water or poor drainage problems.
RAINFALL	**Measurements (mm)**	**Comments**
Annual	834.6	Based on 'station average' records at Sheffield Cdl; 1981 – 2010.
Precipitation, January	83.4	
Precipitation, July	56.0	

3.5 Site Ecology:-

According to the Landmark Envirocheck Report obtained for this site, the site lies within a Nitrate Vulnerable Zone. Additionally, one area of Adopted Green Belt land managed by Barnsley Metropolitan Borough Council is recorded c.141m to the north-west. These ecological features are not felt to be at significant risk from the proposed development.

During the site walkover, it was noted that there was potential new season growth of Japanese Knotweed on and off site located to the east of the northern building and overlapping the eastern boundary.

Under Section 33 & 34 of the Environmental Protection Act (1990) and Section 14 of the Wildlife & Countryside Act (1981) it is considered an offence to permit an invasive species to grow or potentially migrate off-site, and therefore it is recommended that the area is surveyed in detail.

3.0 Environmental Setting (Cont'd)

3.6 Radon Assessment:-

The site lies in a lower probability radon area, where 1% to 3% of homes are above the action level, in accordance with data held by the BGS.

This corresponds with the BRE Digest, BR211 (2007) Radon: Guidance on protective measures for new buildings, where the site is situated within a clear grid square (1km), confirming that no radon protective measures are required for new structures.

3.7 Estimated Soil Chemistry:-

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements are summarised in Table 3.3 below.

Table 3.3

Element	Location	Estimated Soil Concentrations (mg/kg)
Arsenic	On site	15 – 25
Cadmium	On site	<1.8
Chromium (total)	On site	60 – 90
Lead	On site	<150
Nickel	On site	15 – 30

4.0 Industrial Setting

4.1 Recent Site History:-

Copies of old survey plans covering this site area and adjacent land are included in Appendix II, and a summary of the site history is given in Table 4.1 below and on the following page.

Table 4.1

Significant features / potentially contaminative uses highlighted in **bold** text

Date	Scale	Site	Adjacent Areas
c.1854 - c.1855	1:10,560	The site is undeveloped and located within open fields.	The majority of the surrounding area is undeveloped open fields. The village of Carlton exists c.450m north-east of the site. The Manor House is located c.320m to the north-east.
c.1892 - c.1894	1:2,500 1:10,560	Generally as c.1854 - c.1855.	Residential properties lie c.120m off the sites north-west corner. Rydon House and surrounding properties are c.250m to the east. **Carlton Quarry** is located c.400m to the south-east. **Wharncliffe Woodmoore Colliery** is recorded c.450m to the west and **Carlton Main Colliery** is recorded c.950m to the east.
c.1906 - c.1907	1:2,500 1:10,560	Generally as c.1892 - c.1894.	Further residential development has taken place c.140m to the north.
c.1918	1:2,500	Generally as c.1906 - c.1907.	A Carlton Beck is recorded c.40m to the east.
c.1932 - c.1956	1:10,560	Generally as c.1918.	**Carlton Quarry** is recorded as being **Disused.**
c.1961 - c.1966	1:1,250 1:10,000	Generally as c.1932 - c.1956.	Large areas of **Colliery Spoil** are recorded to the east and west associated with **Wharncliffe Woodmore Colliery** and **Carlton Main Colliery**.
c.1974 - c.1975	1:10,000 1:1,250	Buildings are recorded in the south-eastern corner of the site.	A **Factory** and **Garage** are now recorded to the north-west of the site c.80m. **Warehouses** are located c.200m to the south-west. A building adjoins the eastern boundary. The areas of **Colliery Spoil** are noted as **Disused Tips.**

4.0 Industrial Setting (Cont'd)

4.1 Recent Site History (Cont'd):-

Table 4.1 (Cont'd) Significant features / potentially contaminative uses highlighted in **bold** text

Date	Scale	Site	Adjacent Areas
c.1977 - c.1984	1:1,250	The buildings in the south-eastern corner are now labelled as **Works** however the nature of the works is unknown.	**Works** are recorded c.40m to the west. A **Warehouses** are recorded c.50m to the south. The areas of **Colliery Spoil** are no longer recorded
c.1990 - c.1996	1:1,250 1:10,000	A building is now located in the north-western portion of the site and the building in the south has been extended. The site area is now recorded to be within **Carlton Industrial Estate**.	The site is now primarily surrounded by **Industrial Units.** An **Electrical Substation** is located just off the sites southern corner.
c.2014	1:10,000	Generally as c.1990 - c.1996.	Generally as c.1990 - c.1996.

The site reconnaissance confirmed that two derelict industrial units are located on site. A wooden structure is noted in the centre and a bunded above ground oil storage tank (AST) is located in the south-eastern corner. Areas of demolition rubble, which may also contain asbestos sheeting and fibres, are also recorded in the north.

4.2 Landfill & Waste:-

The following information relating to landfill and waste has been obtained from the Envirocheck report (attached in Appendix II) and the walkover survey completed;

- There are no BGS Recorded Landfill Sites, Local Authority Landfill Sites or Registered Landfill Sites recorded on or within c.250m of the site.
- There are three Licensed Waste Management Facilities located within c.250m of the site. A physic-chemical Treatment Facility is located c.151m to the south-east, two glass recycling centres are located between c.151m and c.220m to the north-west and west.
- There is one Waste Transfer Station located c.207m to the west of the site.
- There are two Registered Waste Treatment Sites recorded c.151m to the south-east both occupying the same area with their licences held by Mydrin Ltd. There is no known restriction on source of waste.
- Made ground is expected be present across areas of the site associated with historical site developments and usage.
- Asbestos containing materials may be present within piles of rubble noted in the north of the site and cemented asbestos sheeting may cover the roof of the northern building.
- There is a potential for hydrocarbon contamination from the above ground oil storage tank recorded during the site walkover and from general industrial usage.

4.3 Statutory Requirements / Authorisations:-

Table 4.2

TYPE	Location	Comments
Local Authority Pollution Prevention and Controls	Two recorded within c.250m.	Located between c.82m and c.115m to the west/north-west. The closest refers to a Petrol Filling Station and is currently permitted, the second is relating to a process for the etching and polishing of glass using hydrofluoric acid and the licence has been surrounded, (Envirocheck Ref: 12 & 13).

4.0 Industrial Setting (Cont'd)

4.3 Statutory Requirements / Authorisations (Cont'd):-

Table 4.2 (Cont'd)

TYPE	Location	Comments
Integrated Pollution Controls	Two recorded within c.250m.	Located between c.199m and c.204m to the south of the site at Mydrin Ltd relating to the manufacture and use of organic and inorganic chemicals (Envirocheck Ref: 6).
Integrated Pollution Prevention and Control	None recorded within c.250m.	~
Registered Radioactive Substances	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes	None recorded within c.250m.	~
Enforcement and Prohibition Notices	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~
COMAH Sites	None recorded within c.250m.	~
Contemporary Trade Entries	Twenty seven recorded within c.250m.	Thirteen are inactive. The remaining entries are located between c.16m to c.227 relating to joinery workshop, recycling services, vehicle repairs/ garage services, powder coatings and various product manufactures, (Envirocheck Ref: 78 – 92)
Fuel Station Entries	One recorded within c.250m.	Located c.116m to the north-west, relating to a Co-op petrol filling station, (Envirocheck Ref 138).

4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

TYPE	Location	Comments
Discharge Consents	Two recorded within c.250m.	Located between c.165m to c.233m to the north/north-west relating to trade effluent and storm sewage overflow into a freshwater river/stream, (Envirocheck Ref: 1 & 2)
Water Industry Act Referrals	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	Thirteen recorded within c.250m.	Located between c.40m and c.207m from the site. Six are considered Category 2 – Significant Incident, the remaining incidents were classified Category 3 - Minor Incident, (Envirocheck Ref: 16).

5.0 Conceptual Site Model (CSM)

The Conceptual Site Model (CSM) is one of the primary planning tools that can be used to support the decision making process of managing potentially contaminated land and groundwater on any given site, and allows a better understanding of what needs to be done to achieve risk management, and from this appropriate remediation techniques, if required for those risk management goals can be chosen. This can be done by undertaking a *source-pathway-receptor* analysis of the site. The anticipated *sources*, *pathways* and *receptors* for this site are summarised in Table 5.1 on the following page.

5.0 Conceptual Site Model (CSM) (Cont'd)

A graphical representation of the CSM has been produced for this site and can be seen attached in Appendix IV which sets out the critical plausible pollutant linkages of concern for this particular site, with regard to potential contamination as indicated below.

Table 5.1

* = Not included in the Human Health & Controlled Waters Risk Assessment

	Sources (S)		***Pathways (P)***		***Receptors (R)***
S1	Made ground relating to the sites historic development (type and thickness unknown at this stage).	P1	Ingestion	R1	Human health (Workers/Visitors)
S2	Potential for ground contamination from works and identified Above Ground Oil Storage Tank (AST).	P2	Inhalation of indoor / outdoor air	R2	Groundwater (Secondary A Aquifer) and Carlton Beck to the east.
		P3	Dermal contact	R3	Building materials*
S3	Potential for Asbestos containing materials to be present within demolition rubble in the north and potential cemented Asbestos sheeting on the roof of the northern structure.	P4	Migration through existing services	R4	Adjacent sites
		P5	Direct contact with building materials	R5	Flora and fauna*
		P6	Surface runoff		

5.1 Geotechnical Considerations:-

The following potential geotechnical issues and hazards have been identified for this site, and these issues should be considered before development of the proposed redevelopment takes place.

- Actual depth, origin, variability and condition of made ground potentially on site associated with historical activities.
- Requirement for rock-breaking plant and equipment may be required for construction related excavations if drift deposits are thin and competent bedrock deposits are recorded at shallow depths below the site.
- Presence of underground services.
- Stability of excavations if localised significant thicknesses of made ground and/or geotechnically "poor" drift deposits (very loose sand and gravel) are present below the site.
- Geotechnical parameters of drift deposits.
- Potential for shallow groundwater to exist within drift deposits and potential for water ingress during construction related excavations.
- Control of surface drainage.

In order to determine the geotechnical considerations above with more certainty, it is recommended that boreholes and associated testing are carried out on this site prior to commencing with the redevelopment. Following this work detailed foundation proposals for the proposed can be prepared.

The information reviewed indicates that the site can be considered as being located within a **LOW** geotechnical risk setting.

5.2 Sources of Contamination and Probable Contaminants:-

Historical Ordnance Survey maps, Landmark Envirocheck Report, site walkover and other environmental information revealed that the site was recorded as open fields up until c.1974 when the site was recorded within Carlton Industrial Estate and works were recorded on site.

5.0 Conceptual Site Model (CSM) (Cont'd)

5.2 Sources of Contamination and Probable Contaminants (Cont'd):-

During the site walkover an above ground oil storage tank was noted in the south-eastern corner, sat on sleepers within a brick lined bund with minor surface staining. There is a potential for Asbestos to be present in the demolition rubble located in the north as well as possible cemented asbestos sheeting on the roof of the northern structure. Additionally, the buildings are not in use and are currently derelict.

The following potential contamination sources have been identified for this site, and these issues should be considered before future redevelopment of the site takes place.

- Potential areas of made ground on site from historical development.
- Potential for ground contamination from works and identified above ground oil storage tank.
- Potential for Asbestos containing materials to be present within demolition rubble in the north and potential cemented Asbestos sheeting on the roof of the northern structure.
- Japanese Knotweed may be present on site (whilst this does not represent a risk to human health, this is considered as an ecological issue).

At this stage, it is therefore concluded that ground contamination screening will need to be incorporated into the design of any intrusive investigation works.

Laboratory testing should also be undertaken on representative samples taken from site for naturally occurring contaminants which could have a detrimental effect on building materials.

In consideration of the above and when taking into account the guidance contained in the DEFRA and EA Contaminated Land Reports and the appropriate DoE industry profiles, it would be prudent to test samples of soil from this site for a range of contaminants, as shown below;

Soils – Human Health:-

Generic type contamination, typically comprising; *Arsenic, Cadmium, Chromium (total, III & VI), Copper, Lead, Mercury, Nickel, Selenium, Zinc, Cyanide, Total Organic Carbon (TOC) and Asbestos.*

In addition, to fully assess the site for potential contaminants associated with the former works, appropriate samples from the site should be screened for a wide range of organic based contaminants including Polycyclic Aromatic Hydrocarbons (PAH's), Petroleum Hydrocarbons as well as volatile and semi-volatile organic compounds in order to provide a comprehensive screen, due to the unknown nature of the former works occupying the site.

The information reviewed indicates that the site can be considered as being located within a **LOW - MODERATE** ground contamination risk setting for Human Health.

Groundwater / Leachate – Controlled Waters:-

When considering the potential risk to Controlled Waters associated with this site, the following issues have been taken into consideration. Groundwater below the site has been classified as a Secondary A Aquifer and is recorded within both the drift (Glacial Sand and Gravel) and solid geology (Woolley Edge Rock).

Also, the site does not lie within a Source Protection Zone (SPZ) and no Water Abstractions are present within c.500m west of the site. Therefore it is felt that there is a low risk to Controlled Waters.

When considering the potential risk to Controlled Waters, the two Secondary A Aquifers are only considered to be at risk, should elevated levels of contaminants be recovered on site.

5.0 Conceptual Site Model (CSM) (Cont'd)

5.2 Sources of Contamination and Probable Contaminants (Cont'd):-

Groundwater / Leachate – Controlled Waters (Cont'd):-

If significantly elevated levels of contaminants are present, based on the soil screening carried out, then targeted leachate/groundwater screening can be completed and the risk to Controlled Waters should be assessed. This can be carried out on an individual analyte by analyte basis.

Similarly contamination screening for the following analytes should be assessed; *Arsenic, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc, pH, Sulphate, TPH, PAH and Cyanide.*

The information reviewed indicates that the site has a limited historical site use and can be considered as being located within a **LOW** ground contamination risk setting for Controlled Waters.

5.3 Recommendations for Phase 2: Investigation Works:-

It is recommended that a Phase 2: Ground Investigation (intrusive investigation) is completed for this site prior to commencing with the proposed redevelopment, to determine the ground conditions and if any contamination is present on site which may pose a risk towards the proposed end users or the environment. The works will also be required to facilitate with foundation designs. The investigation works should include for the following, or similar investigation works;

- A series of boreholes including insitu geotechnical testing and sampling to help aid with future foundation design and to collect samples for subsequent laboratory testing.
- A series of mechanically excavated trial pits including sampling and in situ testing were appropriate, to aid future foundation design. Target potential ground contamination issues and to collect samples for subsequent laboratory testing.
- Laboratory geotechnical testing.
- Generic & targeted soil contamination screening on selected samples recovered from the boreholes and trial pits – typical contaminants detailed in Section 5.2.
- Generic & targeted leachate / water contamination screening on selected samples recovered from the boreholes and trial pits if elevated soils are present.
- Site supervision and production of a factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment.
- Given that the site is currently covered with buildings, the fieldworks may need to be phased, with further works needed post demolition.
- Detailed invasive weed survey.

The samples of soil collected should be forwarded to a UKAS and MCERTS accredited laboratory to undertake the recommended testing.

End of Report

GENERAL REFERENCES

- British Geological Survey: Maps, Reports, Memoirs, etc.

  1. Barnsley, Sheet 87, England & Wales, Solid and Drift Edition, 1:50,000 Series.
  2. BGS Boreholes: SE30NE11, SE30NE340 and 341.
  3. BGS Digital Mapping.

- Landmark Information Group, Envirocheck Datasheet, ref: 56043635_1_1

- DoE, DEFRA & EA - Contaminated Land Reports

  CLR 1: A framework for assessing the impact of contaminated land on groundwater and surface water. Report by Aspinwall & Co. Volumes 1 & 2. DoE, 1994
  CLR 2: Guidance on preliminary site inspection of contaminated land. Report by Applied Environmental Research Centre Ltd. Volume 1. DoE, 1994
  CLR 3: Documentary research on industrial sites. Report by RPS Group plc. DoE, 1994
  CLR 4: Sampling strategies for contaminated land. Report by The Centre for Research into the Built Environment, The Nottingham Trent University. DoE, 1994
  CLR 5: Information systems for land contamination. Report by Meta Generics Ltd. DoE, 1994
  CLR 6: Prioritisation & categorisation procedure for sites which may be contaminated. Report by M J Carter Associates. DoE, 1995
  CLR11: Model Procedures for the Management of Land Contamination. DEFRA/EA, 2004
  Science Report Final SC050021/SR2: Human Health Toxicological Assessment of Contaminants in Soils, 2009
  Science Report Final SC50021/SR3: Updated Technical Background to the CLEA Model, 2009
  Science Report SC050021/SR4: CLEA software (version 1.06) handbook, 2009

- BS10175:2011+A1:2013 Investigation of Potentially Contaminated Sites, Code of Practice

- BS5930:1999: Code of Practice for Site Investigations

- Guidance on Investigation and Assessment for Contaminated Sites (CIRIA SP: 103)

- BRE Digest BR211 (2007): Radon: Guidance on Protective Measures for New Buildings

- Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D66, 2008 (NHBC, EA, CIEH)

- Methane and Associated Hazards to Construction - CIRIA Reports 149,150,151 & 152

- Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA C665, 2007

- BS8576:2013 Guidance on Investigation for Ground Gas, Permanent Gases and Volatile Organic Compounds (VOC's)

- BS8485:2007: Code of Practise for the Characterization and Remediation from Ground Gas in Affected Developments

- CIRIA Report C624 'Development and flood risk – guidance for the construction industry' and National Planning Policy Framework, March 2012

APPENDIX I

Location Plan

Aerial Photograph

Existing Layout Plan

Proposed Development Layout Plan



Client:

ELEMENTS CONSTRUCTION

Project Title:	Drawing Title:
Land within Carlton Industrial Estate Albion Road, Carlton Barnsley, S71 3HW	Location Plan

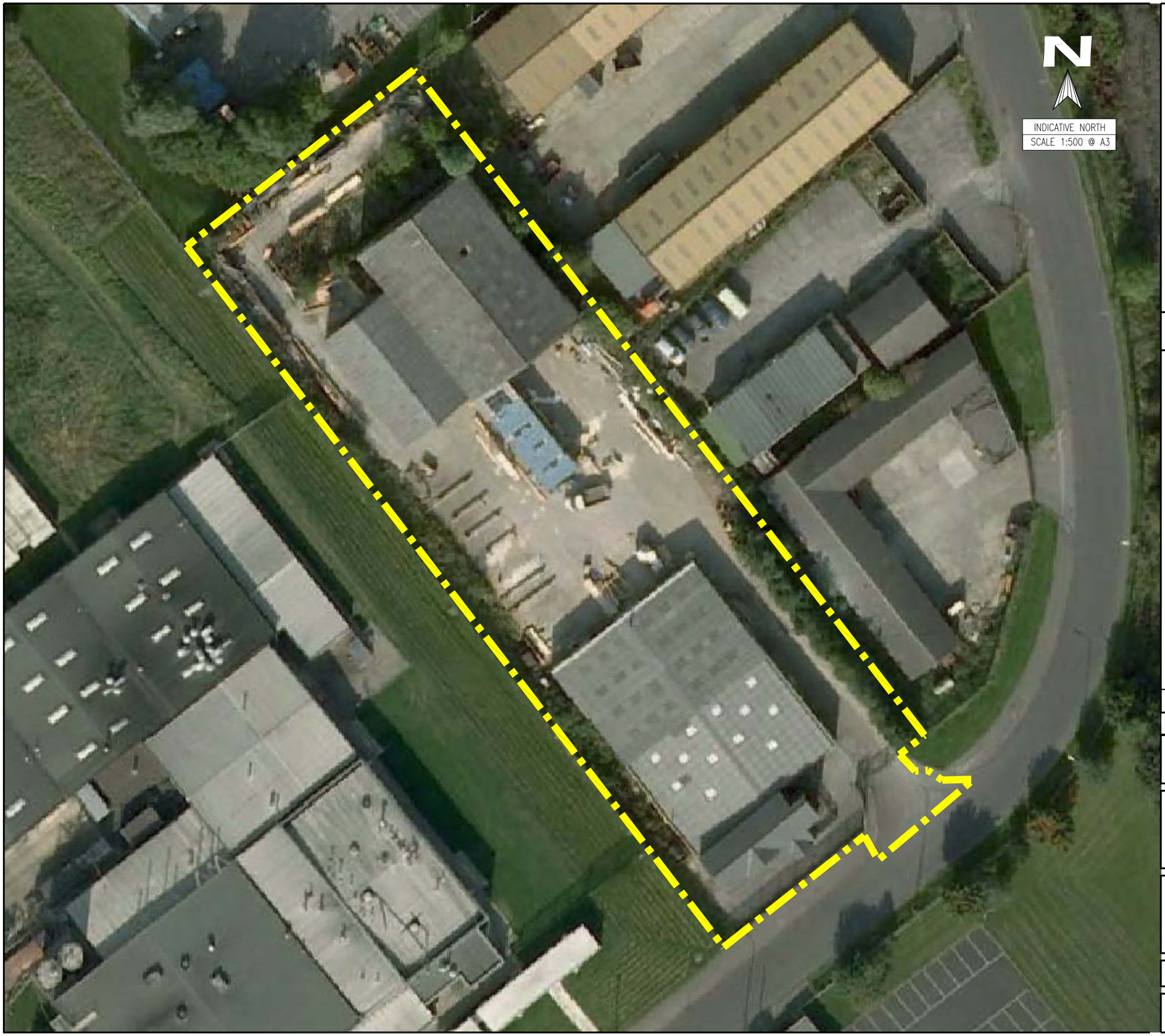
rev.	date	amendments	drawn	chckd

Job Reference:	Drawing Number:	Revision:
14-256	–	–

Drawn by:	Date:	Scale at A4:
P.D	03.06.14	As Shown

Checked by:	Approved by:	
A.L	A.L	The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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LEGEND	
- - -	INDICATIVE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

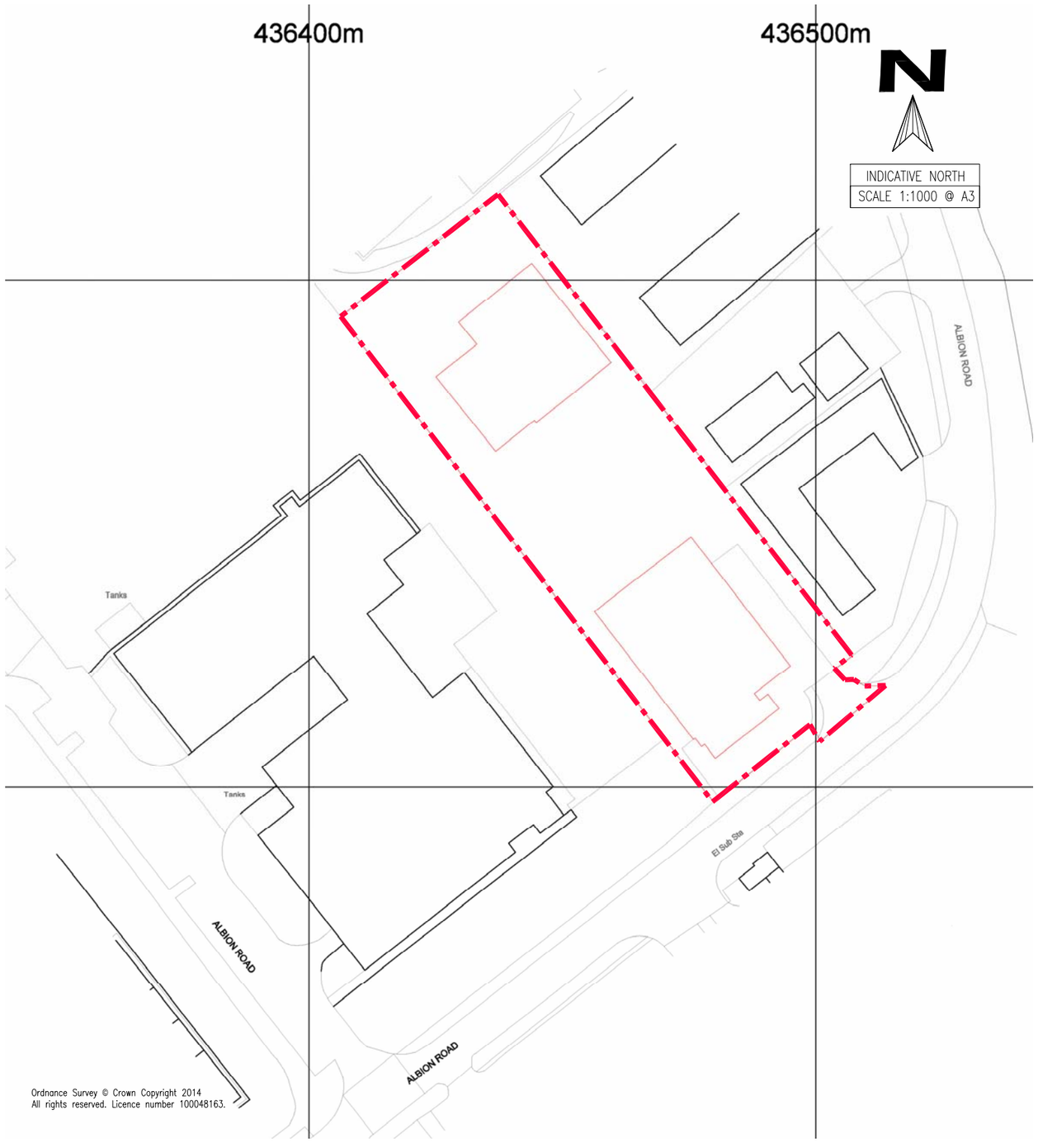
Client:
ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Aerial Photograph

Scale at A3:	Date:	Drawn by:	Approved by:
1:500 @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-256	–	–



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LEGEND

	INDICATIVE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

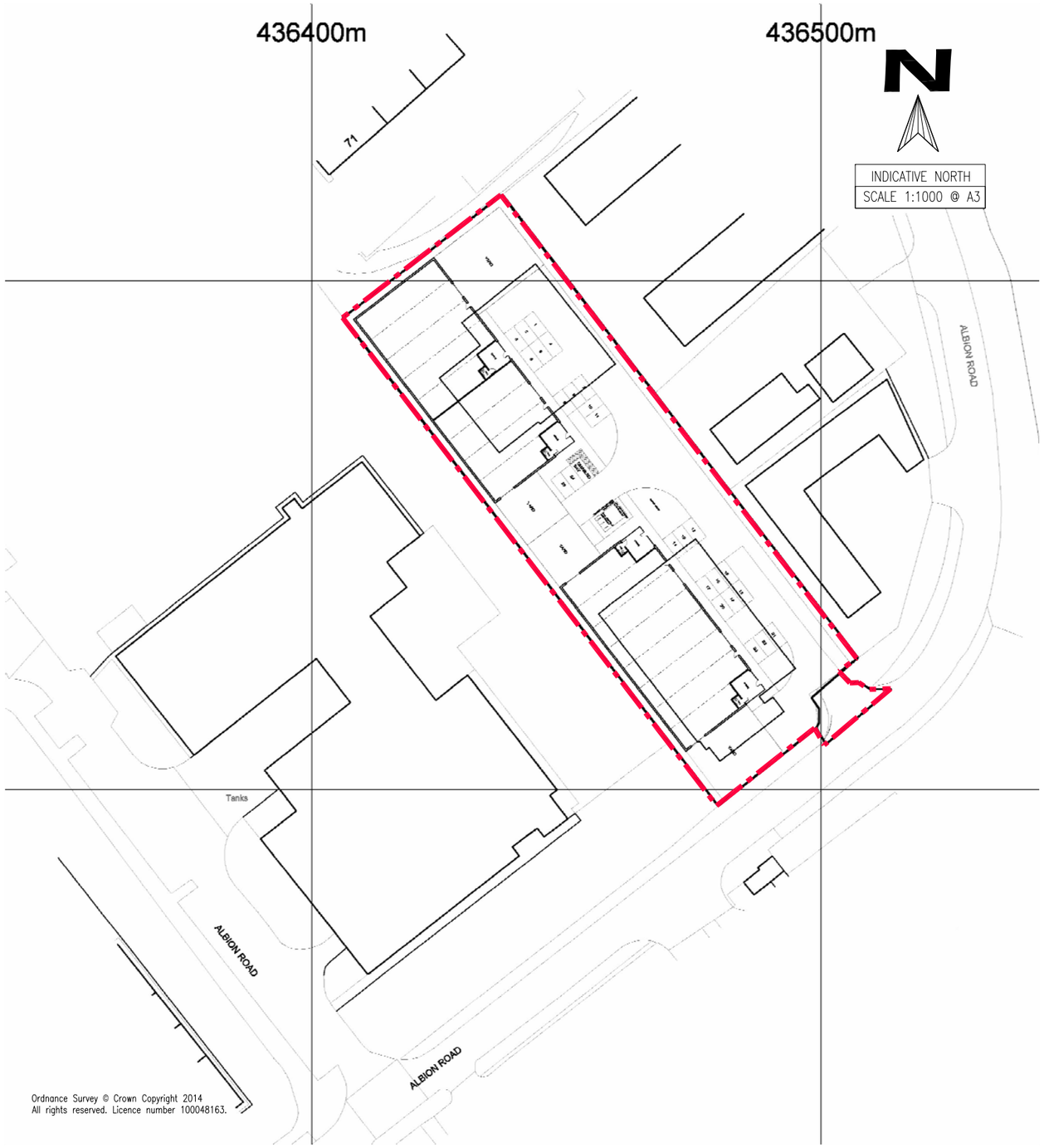
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ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Existing Site Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
1:1000 @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-256	–	–



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LEGEND	
	INDICATIVE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client:
ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Proposed Development Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
1:1000 @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-256	–	–

APPENDIX II

Site Observations – Walkover Record Sheets

BGS Borehole Record Sheets

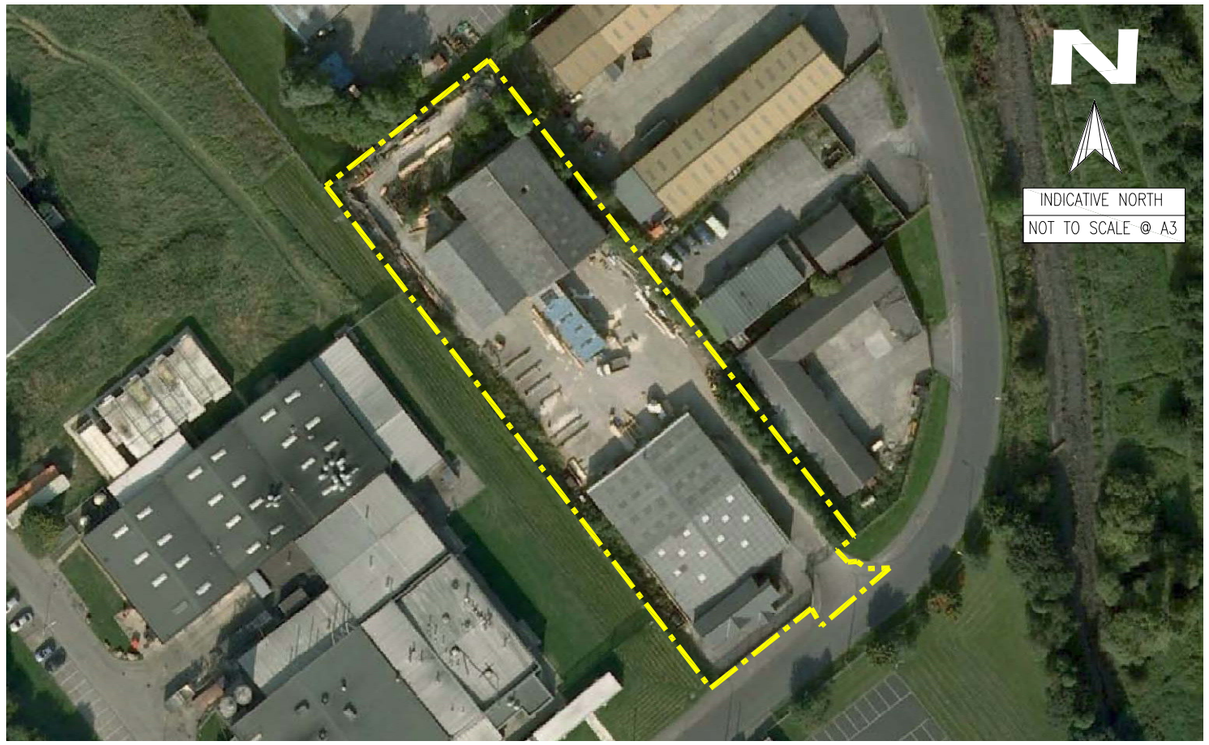


PLATE 1



PLATE 2



PLATE 3



PLATE 4



PLATE 5



PLATE 6



PLATE 7

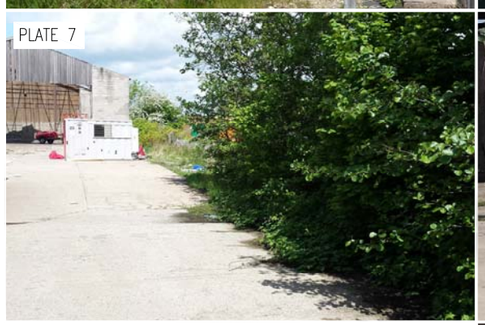


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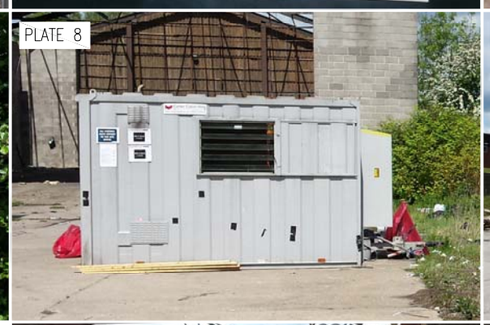


PLATE 9



PLATE 10



PLATE 11



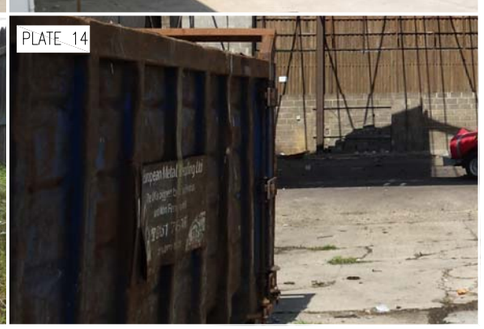
PLATE 12



PLATE 13



PLATE 14



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SITE INFORMATION:

- THE SITE IS LOCATED WITHIN CARLTON INDUSTRIAL ESTATE TO THE NORTH OF BARNSLEY, SOUTH YORKSHIRE AND IS ACCESSED FROM THE SOUTH VIA ALBION ROAD
- THE PROPOSAL IS DEMOLISH THE EXISTING RELIC INDUSTRIAL UNITS ONSITE AND CONSTRUCT 4 NO. INDUSTRIAL UNITS WITH ASSOCIATED HARD STANDING YARDS
- THE SITE APPEARS TO BE GENERALLY LEVEL
- A BENCHMARK OF C.57.9M AOD IS RECORDED C.115M TO THE NORTH OF THE SITE ON THE OS PLANS DATED C.1993
- THE SITE SURFACING GENERALLY COMPRISES HARDSTANDING
- TARMAC AND CONCRETE WITH AREAS OF UNKEMPT GRASSLAND WERE NOTED AROUND THE PERIMETER
- TWO DERELICT FORMER INDUSTRIAL UNITS ARE LOCATED ON SITE, ONE IN THE NORTH-EAST AND ONE IN THE SOUTH-WEST
- AN ABOVE GROUND STORAGE TANK (AST) WAS ENCOUNTERED IN THE SOUTHERN SITE AREA DURING THE WALKOVER
- LIVE SERVICES MAY PASS BELOW THE DEVELOPMENT AREA ASSOCIATED WITH THE DERELICT ONSITE AND SURROUNDING INDUSTRIAL UNITS

rev.	date	amendments	drawn	chckd

Client:
ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Site Photographic Record Sheet (1)

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-256	–	–

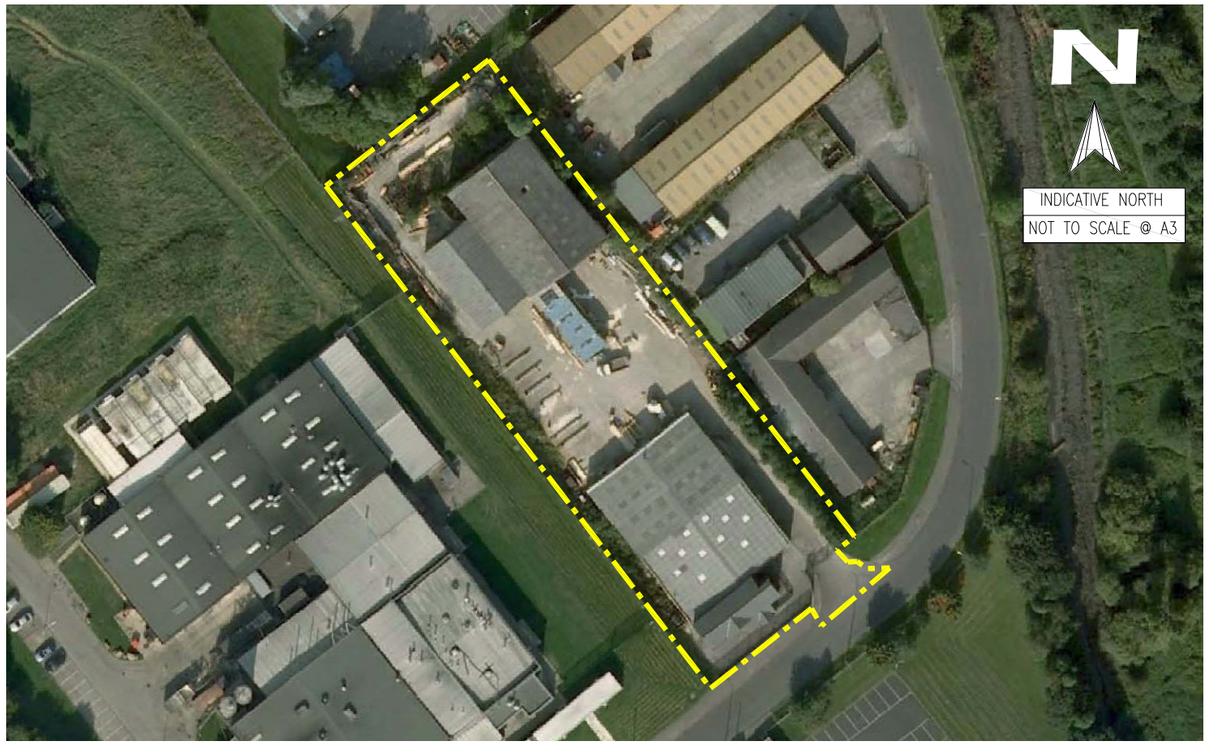



PLATE 15


PLATE 16


PLATE 17

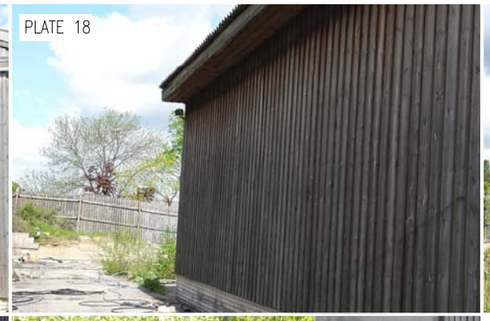

PLATE 18


PLATE 19


PLATE 20


PLATE 21


PLATE 22

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rev.	date	amendments	drawn	chckd

Client:
ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Site Photographic Record Sheet (2)

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-256	–	–

Norwest Holst Soil Engineering Ltd.

BOREHOLE LOG

Borehole No. **7**

Contract No. F4193
Location Barnsley
Client English Industrial Estates Corpn.
Method of Boring Percussion
Diameter of Borehole 150 mm

Sheet 1 of 1
Chainage
Ground Level
Date 7.3.79

Description of Strata	Legend	Depth Below G.L. (m)	Thickness of Strata(m)	Type of sample	C kN/m^2	ϕ deg	m.c. %	γ Mg/m^3	N
TOPSOIL		0.23	0.23						
Stiff brown sandy stony CLAY with sandstone fragments		1.70	1.47	0.75	120	0	17	2.10	
Highly weathered brown and grey clayey shaley MUDSTONE		3.05		1.75	140	11	20	2.17	
				2.60					99

Key

- Undisturbed Sample
- Disturbed Sample
- Water Sample
- Penetration Test
- ϕ Angle of Friction
- m.c. Moisture Content
- γ Bulk Density
- N S.P.T. Value
- C Apparent Cohesion

Remarks (Observations of Ground Water etc.)

Water seepage at 1.20 m
Sealed at 1.50
Standing at 2.05 m

Water levels are subject to seasonal or tidal variations and should not be taken as constant

British Geological Survey

Norwest Holst Soil Engineering Ltd.

BOREHOLE LOG

Borehole No. **6**

Contract No. F4183
Location Barnsley
Client English Industrial Estates Corpn.
Method of Boring Percussion
Diameter of Borehole 150 mm

Sheet 1 of 1
Chainage
Ground Level
Date 7.3.79

Description of Strata	Legend	Depth Below G.L. (m)	Thickness of Strata (m)	Type of sample	C kN/m²	φ deg	m.c. %	γ Mg/m³	N
TOPSOIL		0.31	0.31						
Stiff brown sandy stony CLAY with sandstone fragments				0.65 □	83	11	19	2.25	
				1.55 □	110	0	19	1.99	
		1.90	1.59						
Weathered brown and grey shaley MUDSTONE				2.20 □	97	7	17	1.92	
				2.75 I					134
		3.12							

Key

- □ Undisturbed Sample
- ○ Disturbed Sample
- △ Water Sample
- I Penetration Test
- φ Angle of Friction
- m.c. Moisture Content
- γ Bulk Density
- N S.P.T. Value
- C Apparent Cohesion

Remarks (Observations of Ground Water etc.)

Borehole dry

Water levels are subject to seasonal or tidal variations and should not be taken as constant

British Geological Survey

SECTION OF Wharncliffe Woodmoor Colliery at Carlton. 900yds S 38°W of Carlton Church. 47

Maps: One-inch 87 Six-inch 262 SE County Yorkshire

Height above O.D. 225 ft. Latitude 53°34'55" N Longitude 1° 27' 20" W

Communicated by "See, Strata Yks. Clfld" 1927 p. 376 Date of Sinking Not stated

Made by _____ Dip of Strata Not stated

SE 30 NE/11

Summary of published section:

		Thickness.		Depth from Surface.	
	Drift	11	8	11	8
Intervening beds are all normal Coal Measures.	Woolley Edge Rock.	115	10	127	6
	Woodmoor Coal	2	11	139	-
	Two Foot Coal	2	-	178	3
	Winter Coal	4	2	235	5
	Top Beamshaw Coal	4	-	273	6
	Low Beamshaw Coal	1	9	304	9
	Kent's Thin Coal	1	8	351	7
	Kent's Thick Coal	3	-	413	8
	Barnsley Coal	9	6	423	2
	Rock	23	6	446	8
	Dunsil Coal	5	6	477	10
	Rock	42	6	819	2
	Top Haigh Moor Coal	3	-	861	8
	Bottom Haigh Moor Coal	2	4	871	6

* Clay is 11' 8" in sections strata... 1927

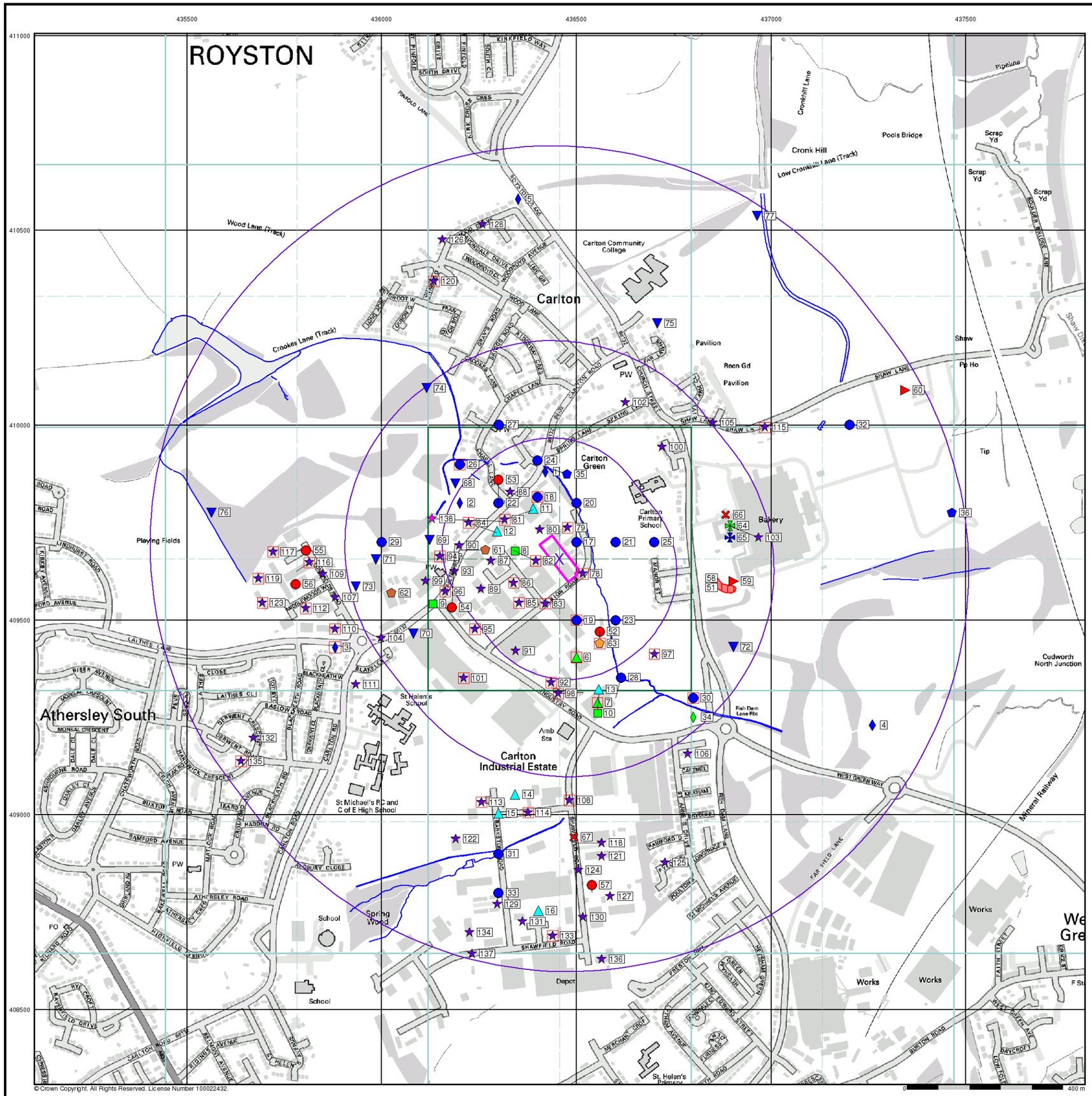
Drift mapped on 1" map

per H. Johnson 11.7.77

APPENDIX III

Landmark Envirocheck Report

Coal Authority Mining Report



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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

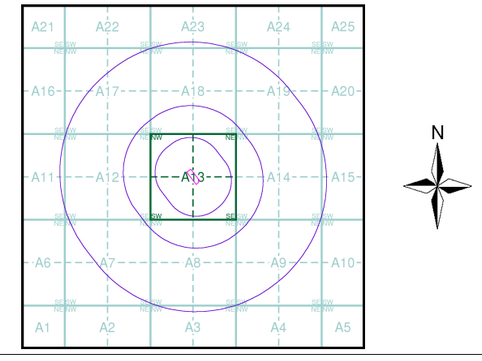
Waste

- 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
- 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

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



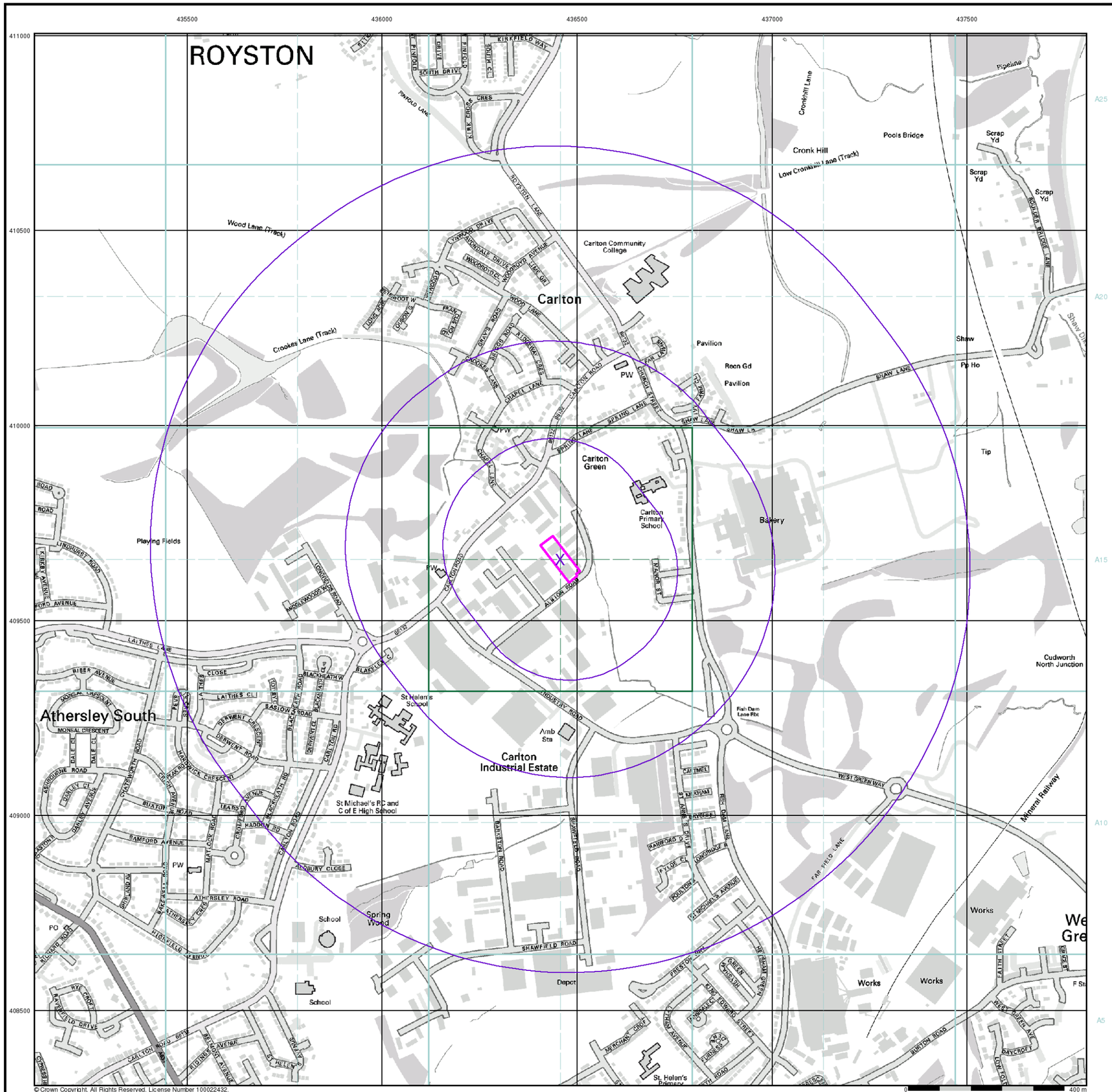
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Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

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



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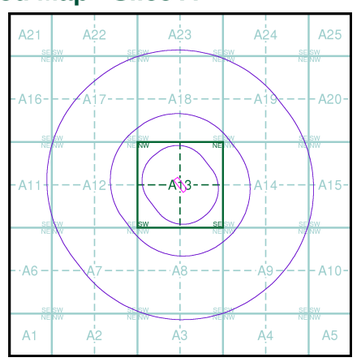
General

- 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



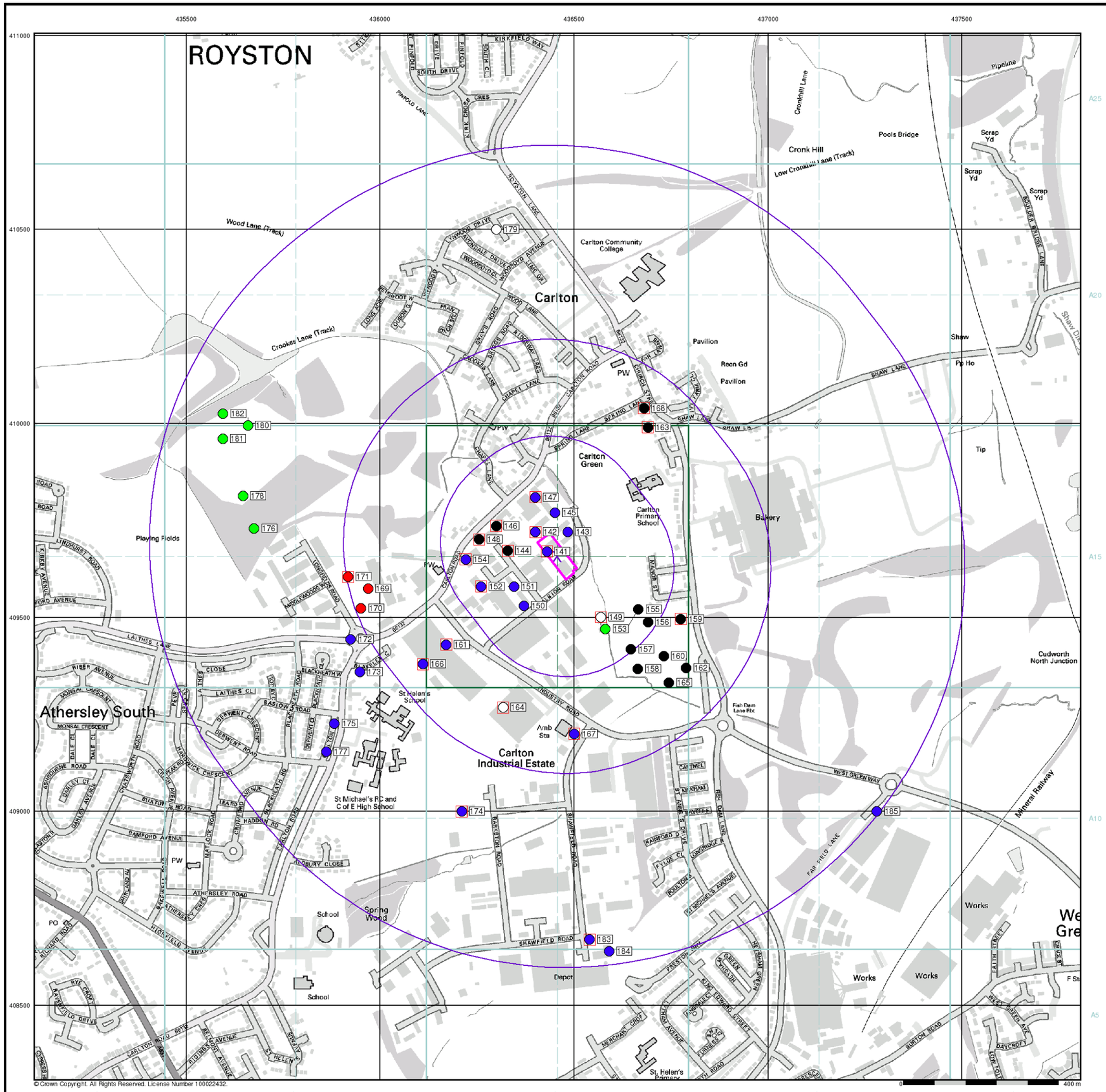
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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General

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

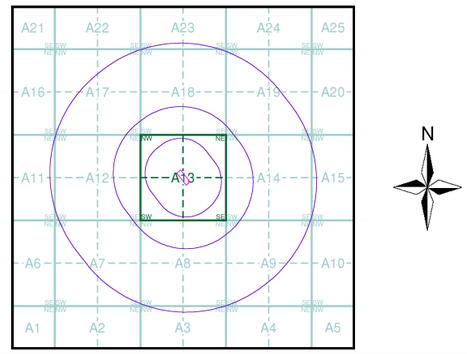
Agency and Hydrological (Boreholes)

- 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



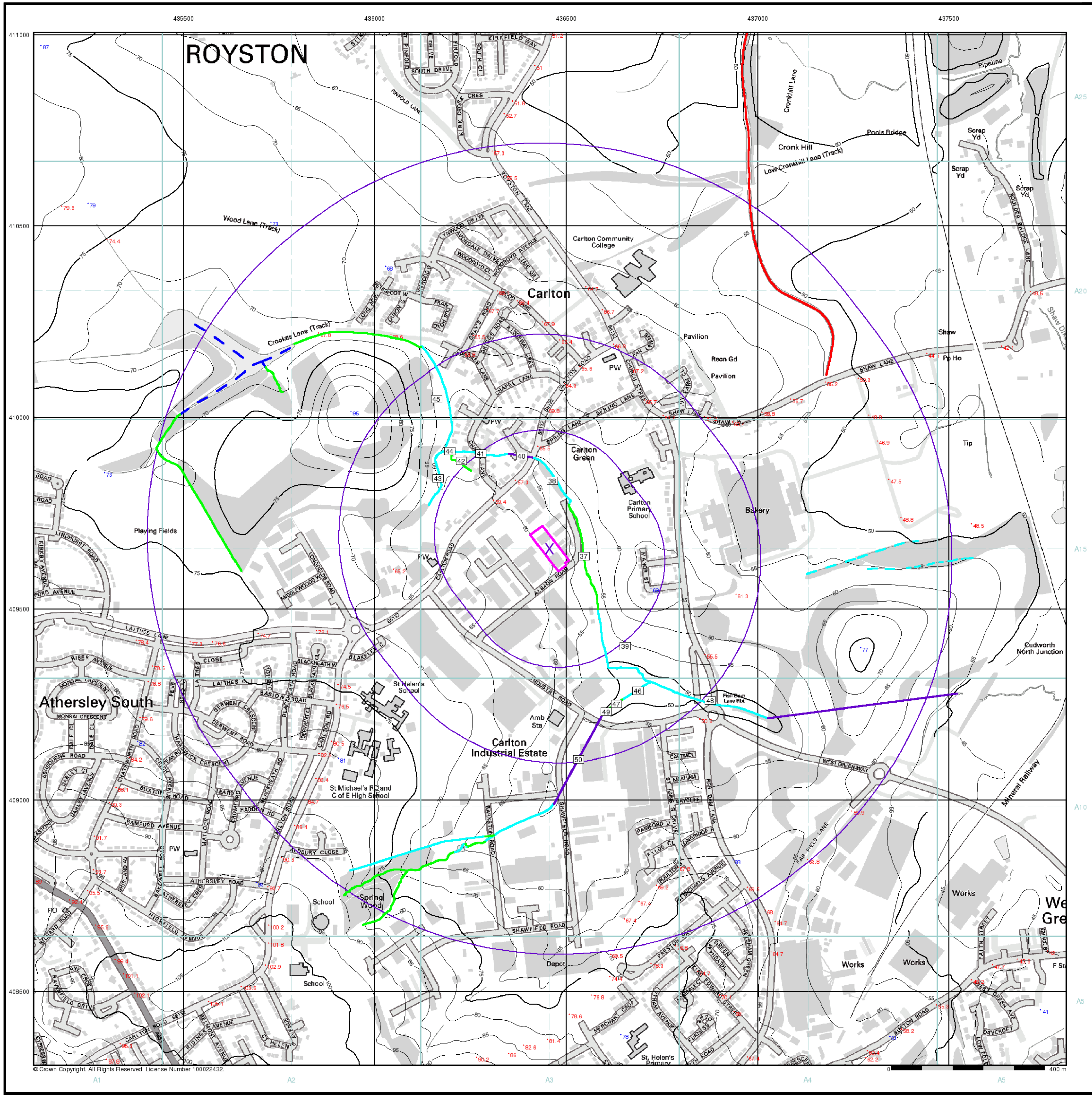
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Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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



General

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

EA Detailed River Network Data

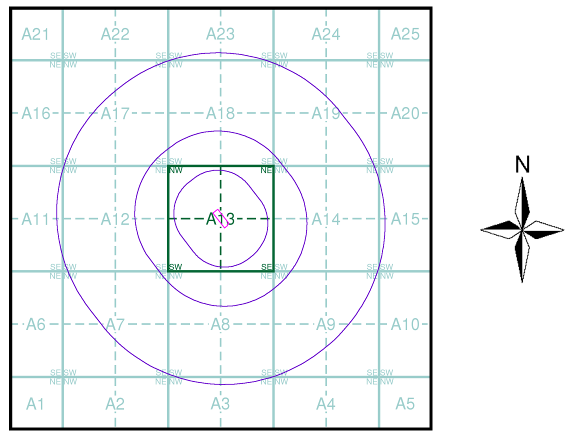
- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m
- Underground River (inferred))
- Underground River (local knowledge
- Downstream of High Water Mark)
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour — 105
Index Contour — 100 — 95

167.3 Spot Height
45.8 Air Height

EA Detailed River Network Map - Slice A



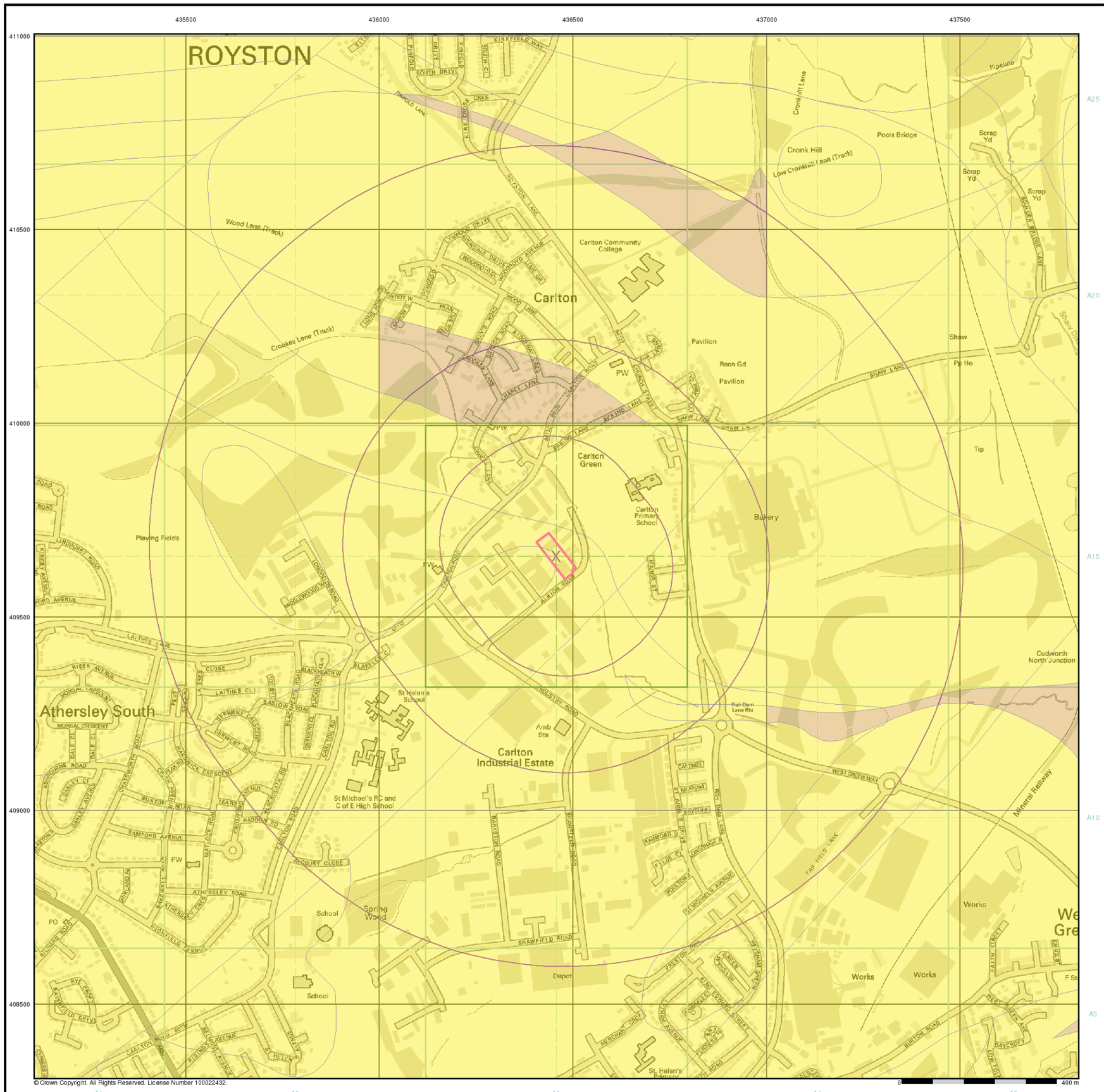
Order Details

Order Number: 56043635_1_1
Customer Ref: 14-256
National Grid Reference: 436460, 409660
Slice: A
Site Area (Ha): 0.47
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General

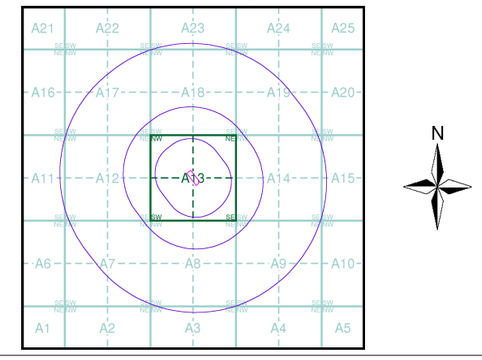
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details:	56043635_1_1
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General

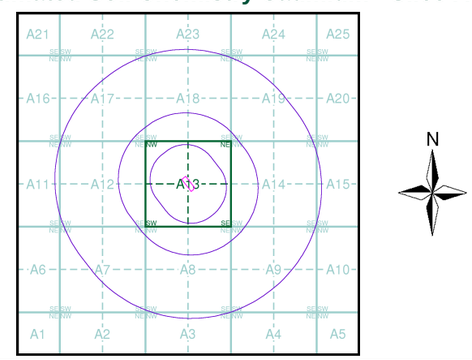
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

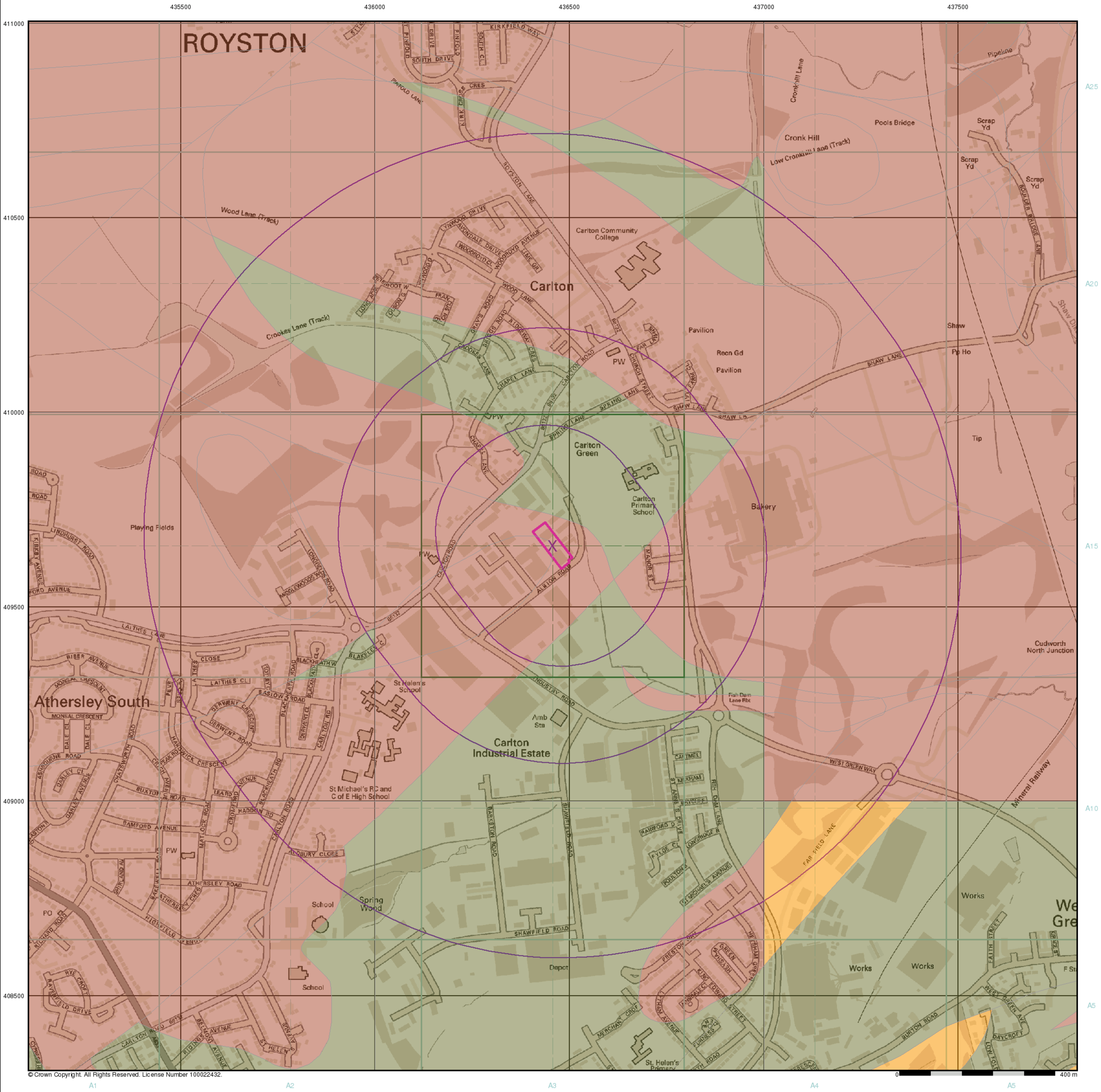
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General

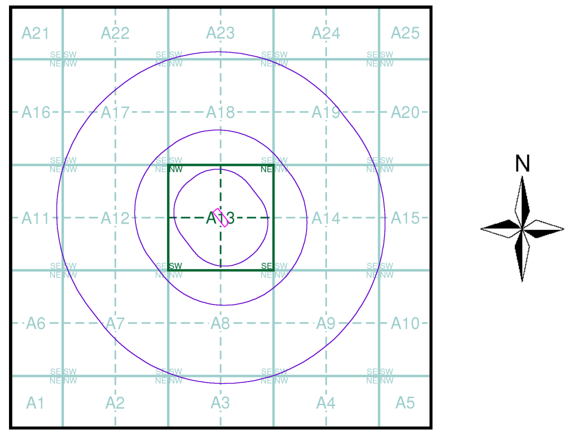
Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 56043635_1_1
Customer Ref: 14-256
National Grid Reference: 436460, 409660
Slice: A
Site Area (Ha): 0.47
Search Buffer (m): 1000

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

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



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A1 A2 A3 A4 A5

General

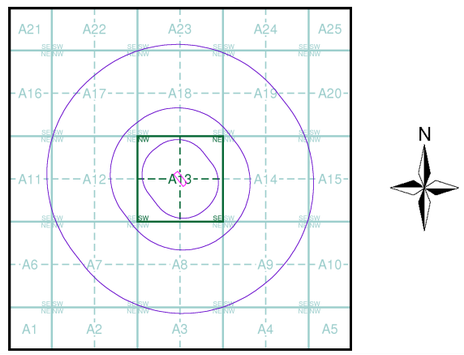
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice A



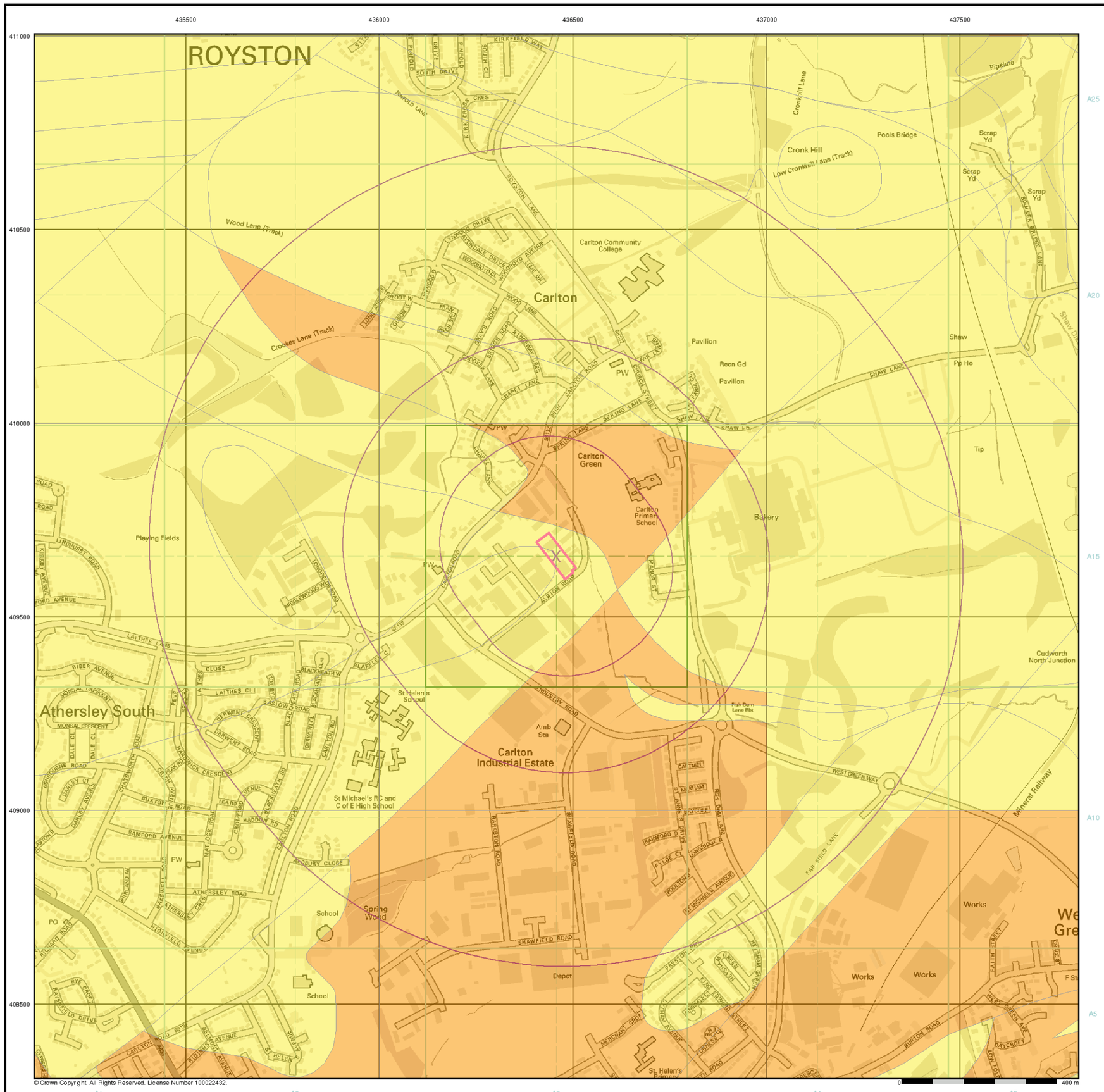
Order Details

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Customer Ref:	14-256
National Grid Reference:	436460, 409660
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General

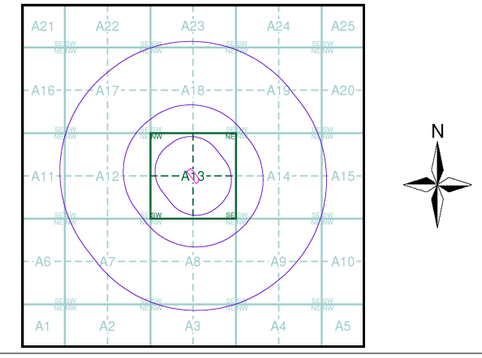
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	56043635_1_1
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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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. 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
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

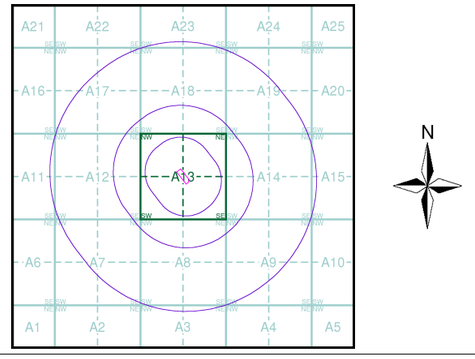
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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)
BM 123.45 m 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

arc environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854 - 1855	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1906 - 1907	4
Yorkshire	1:10,560	1932 - 1933	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1966	10
Ordnance Survey Plan	1:10,000	1974	11
Ordnance Survey Plan	1:10,000	1981 - 1984	12
Ordnance Survey Plan	1:10,000	1990 - 1993	13
VectorMap Local	1:10,000	2014	14

Historical Map - Slice A



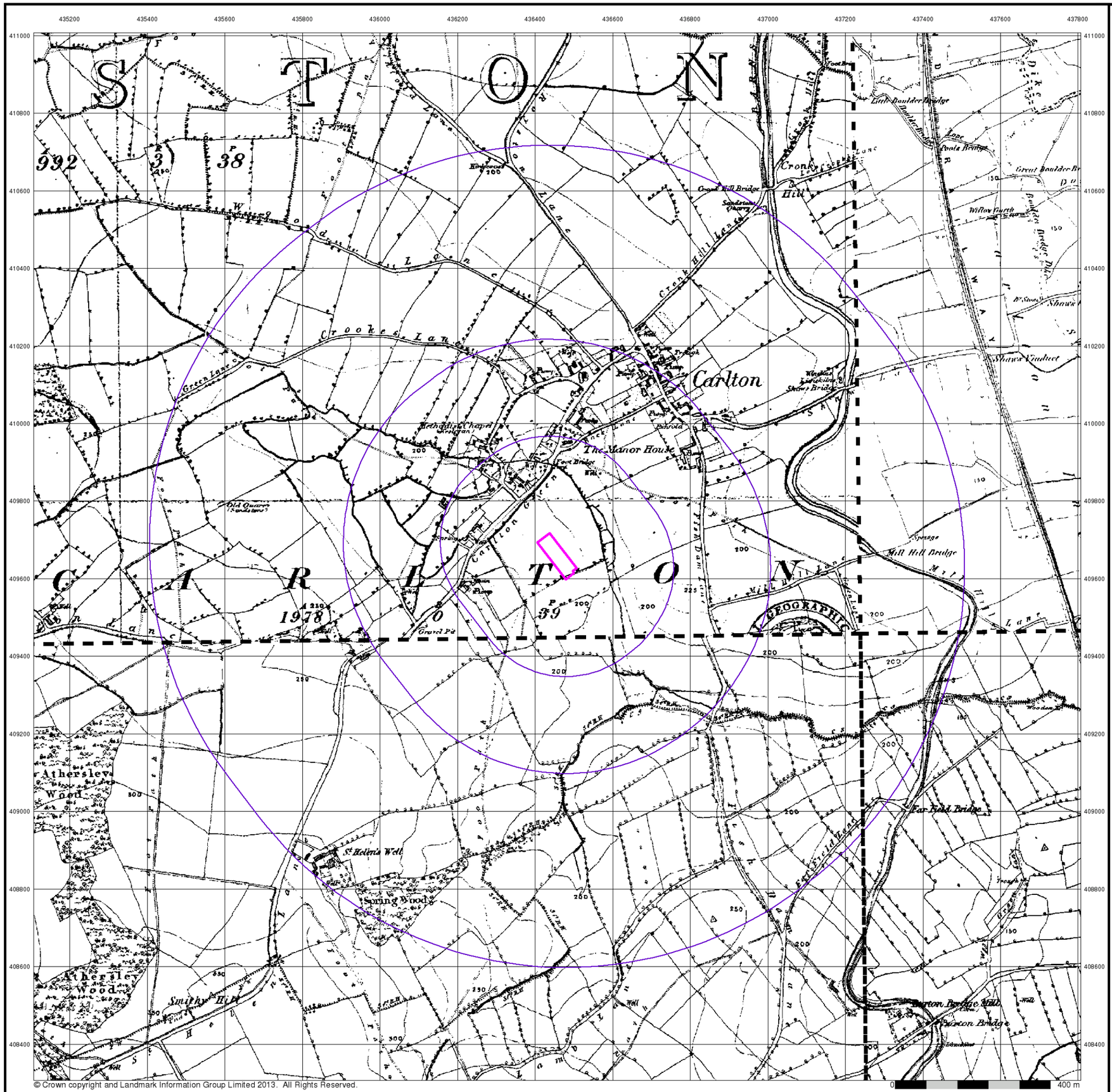
Order Details

Order Number: 56043635_1_1
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Slice: A
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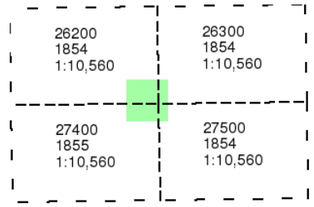
Yorkshire

Published 1854 - 1855

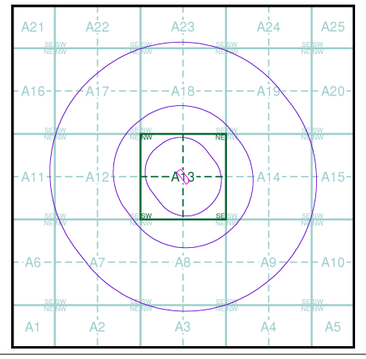
Source map scale - 1:10,560

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



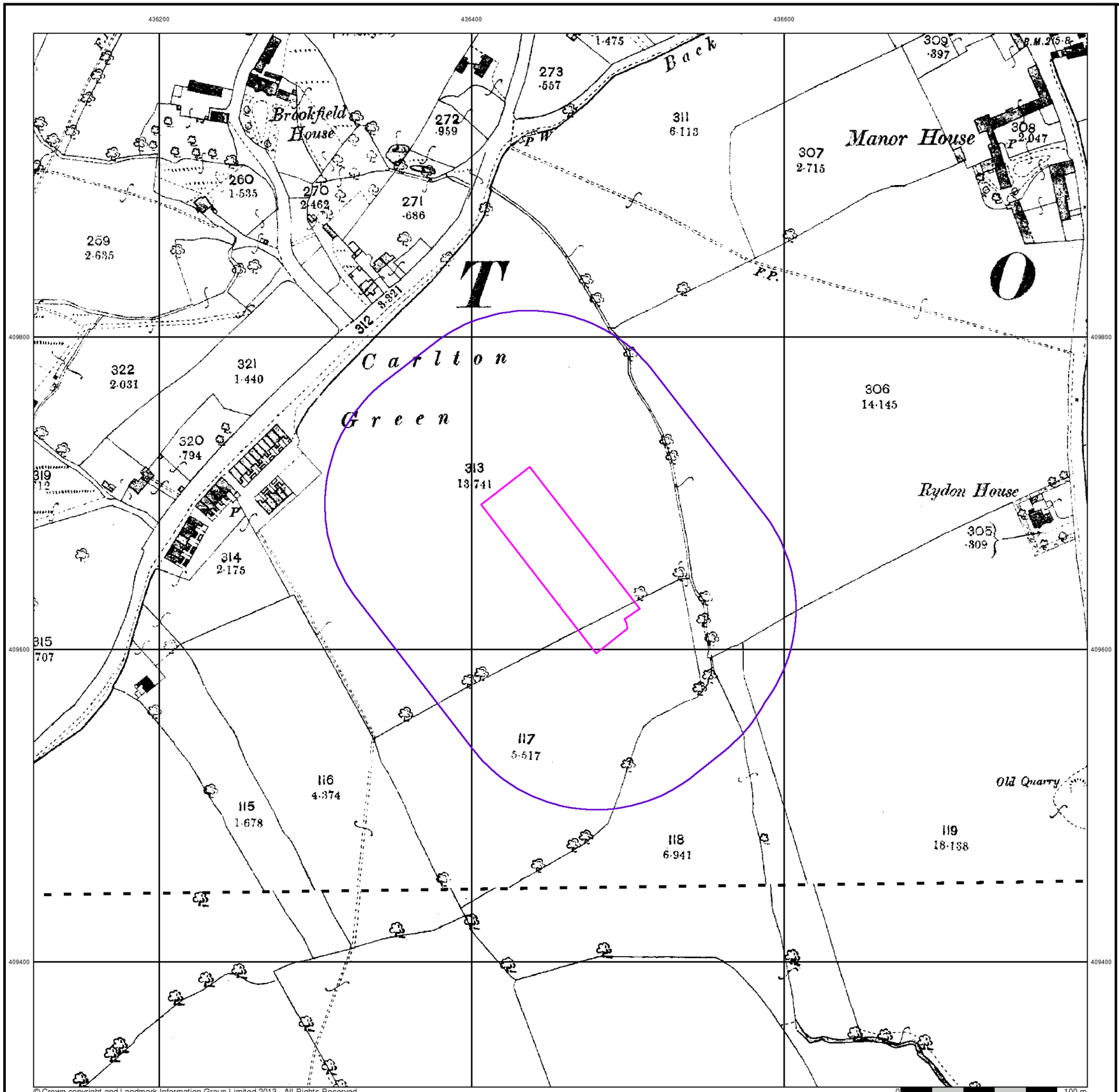
Order Details

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Customer Ref:	14-256
National Grid Reference:	436460, 409660
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0 100 m

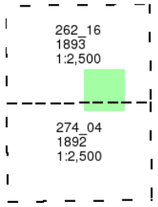
Yorkshire

Published 1892 - 1893

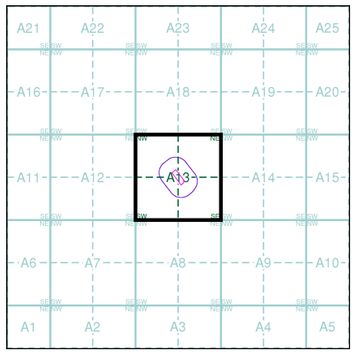
Source map scale - 1:2,500

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



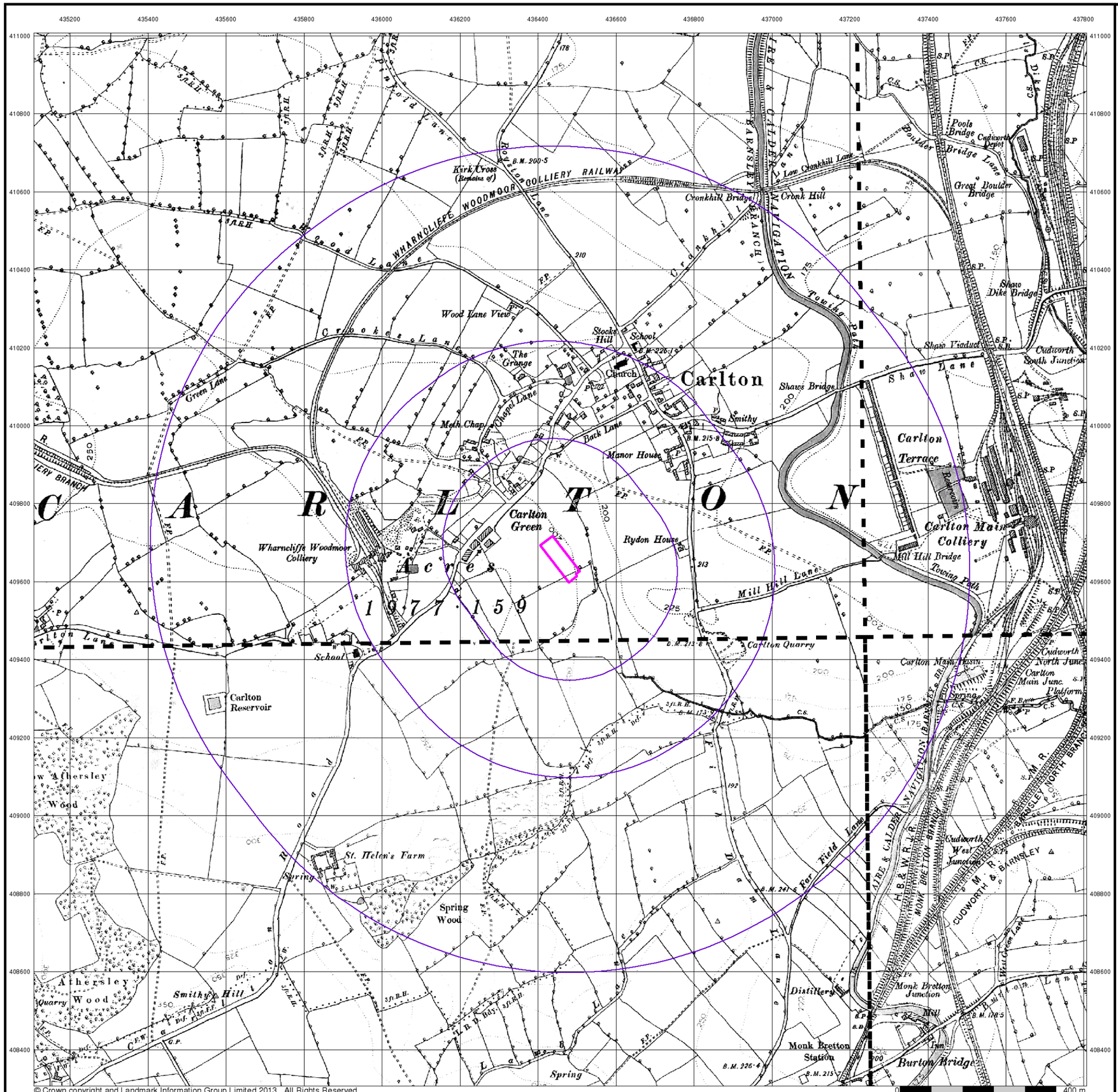
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

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Yorkshire

Published 1894

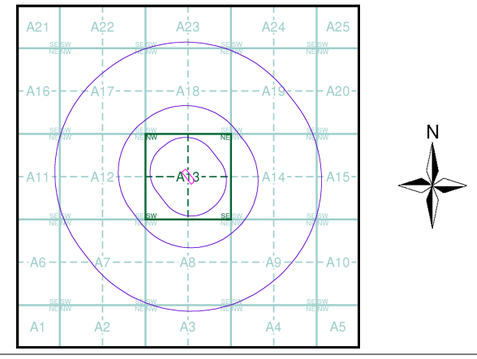
Source map scale - 1:10,560

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)

262SE 1894 1:10,560	263SW 1894 1:10,560
274NE 1894 1:10,560	275NW 1894 1:10,560

Historical Map - Slice A



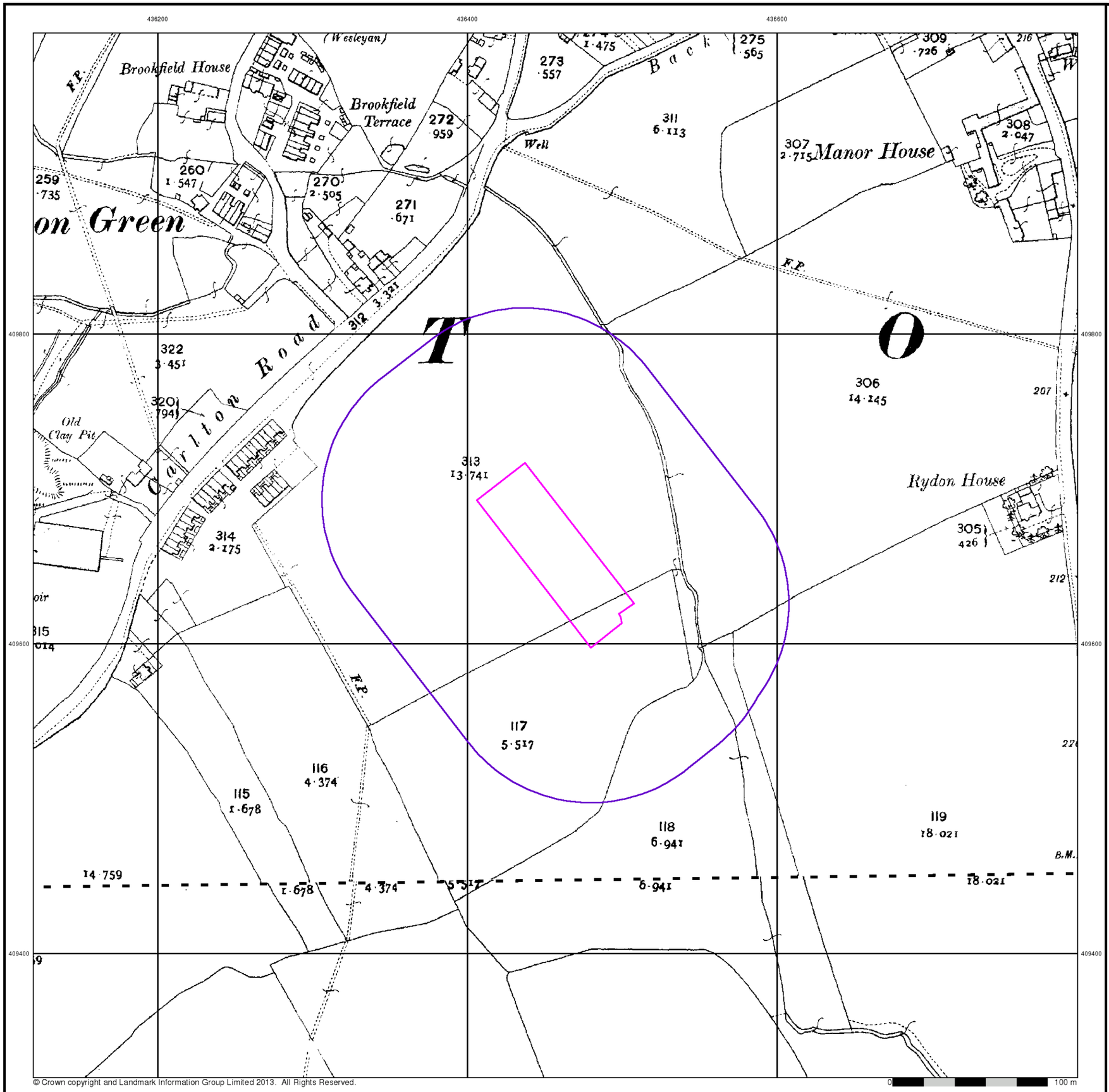
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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arc environmental

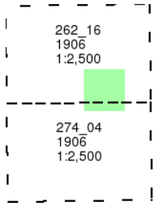
Yorkshire

Published 1906

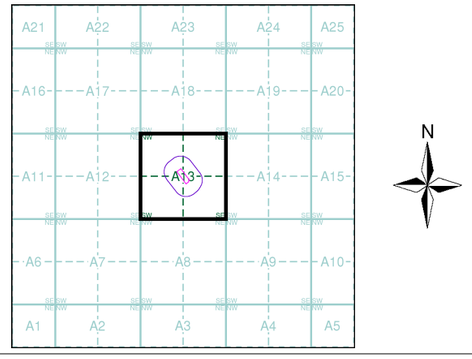
Source map scale - 1:2,500

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



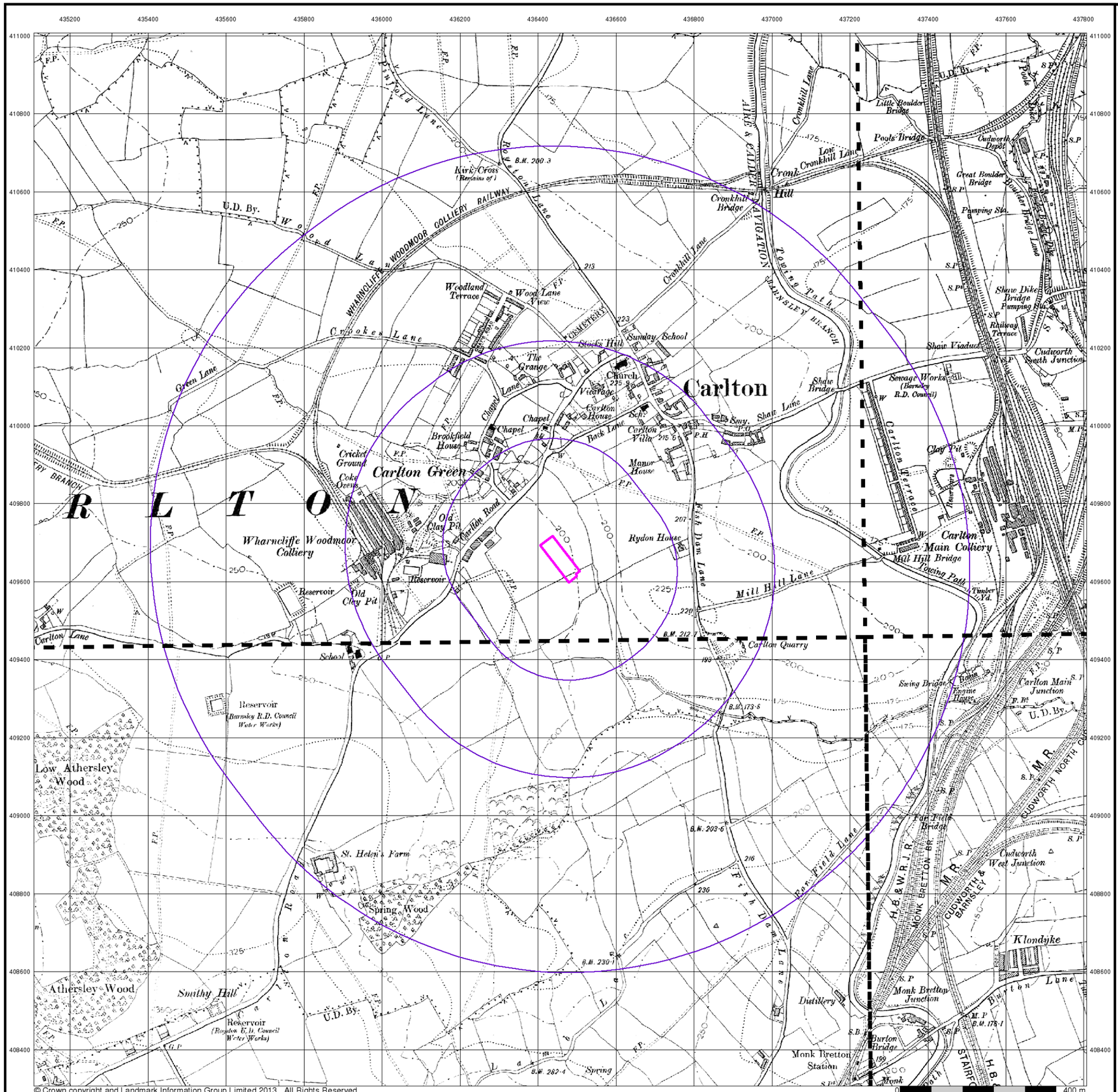
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
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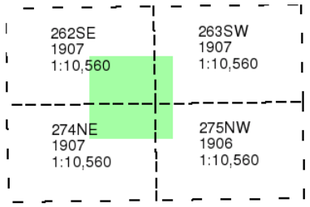
Yorkshire

Published 1906 - 1907

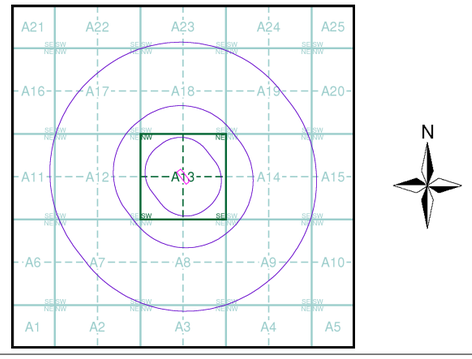
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



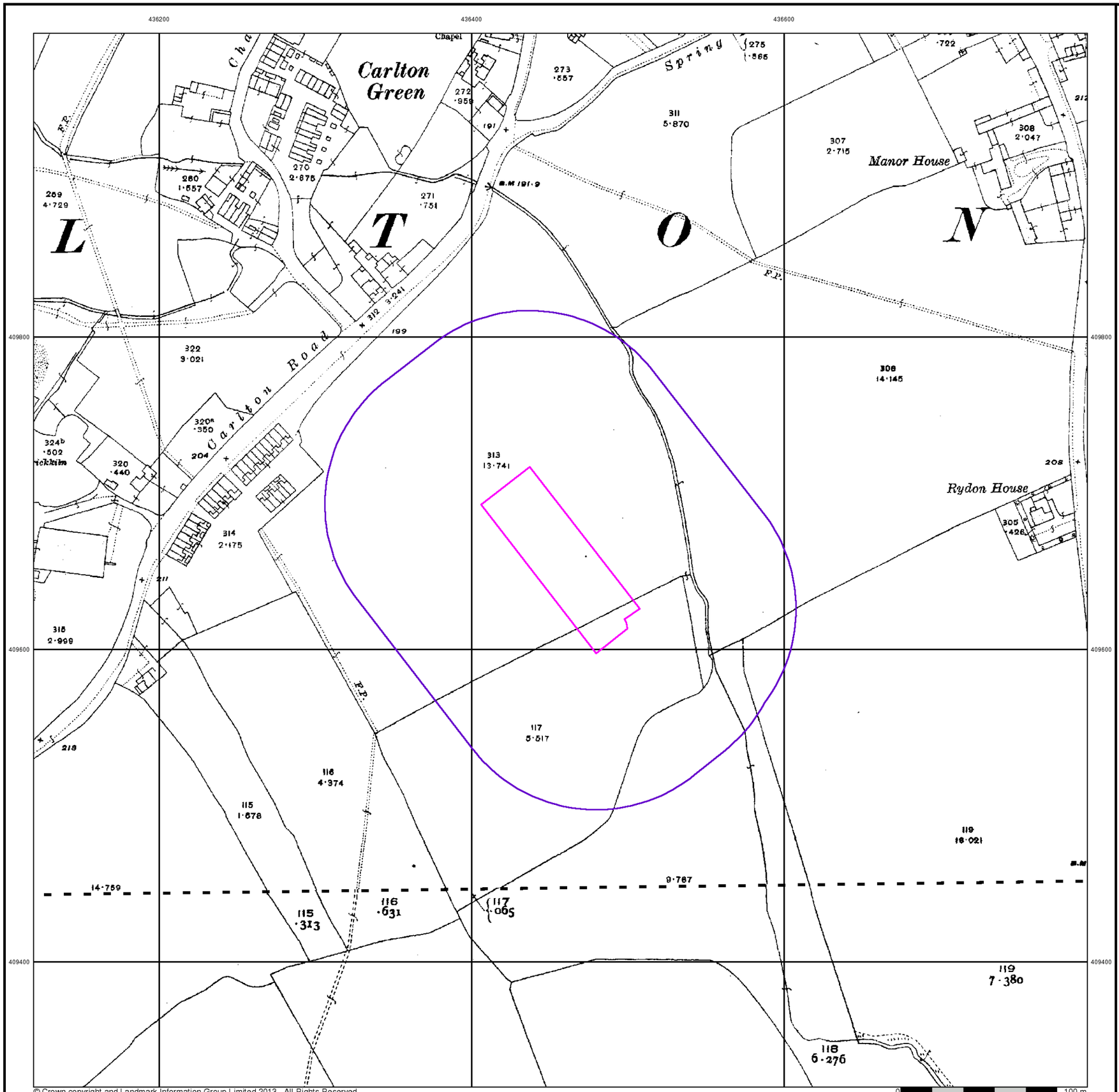
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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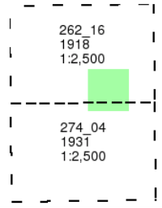
Yorkshire

Published 1918 - 1931

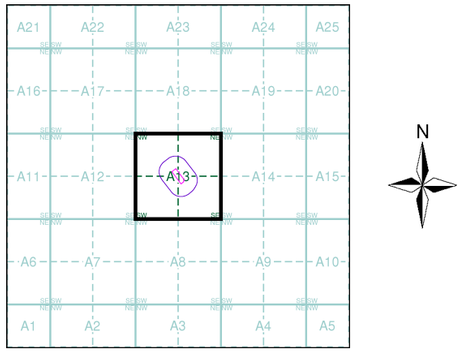
Source map scale - 1:2,500

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



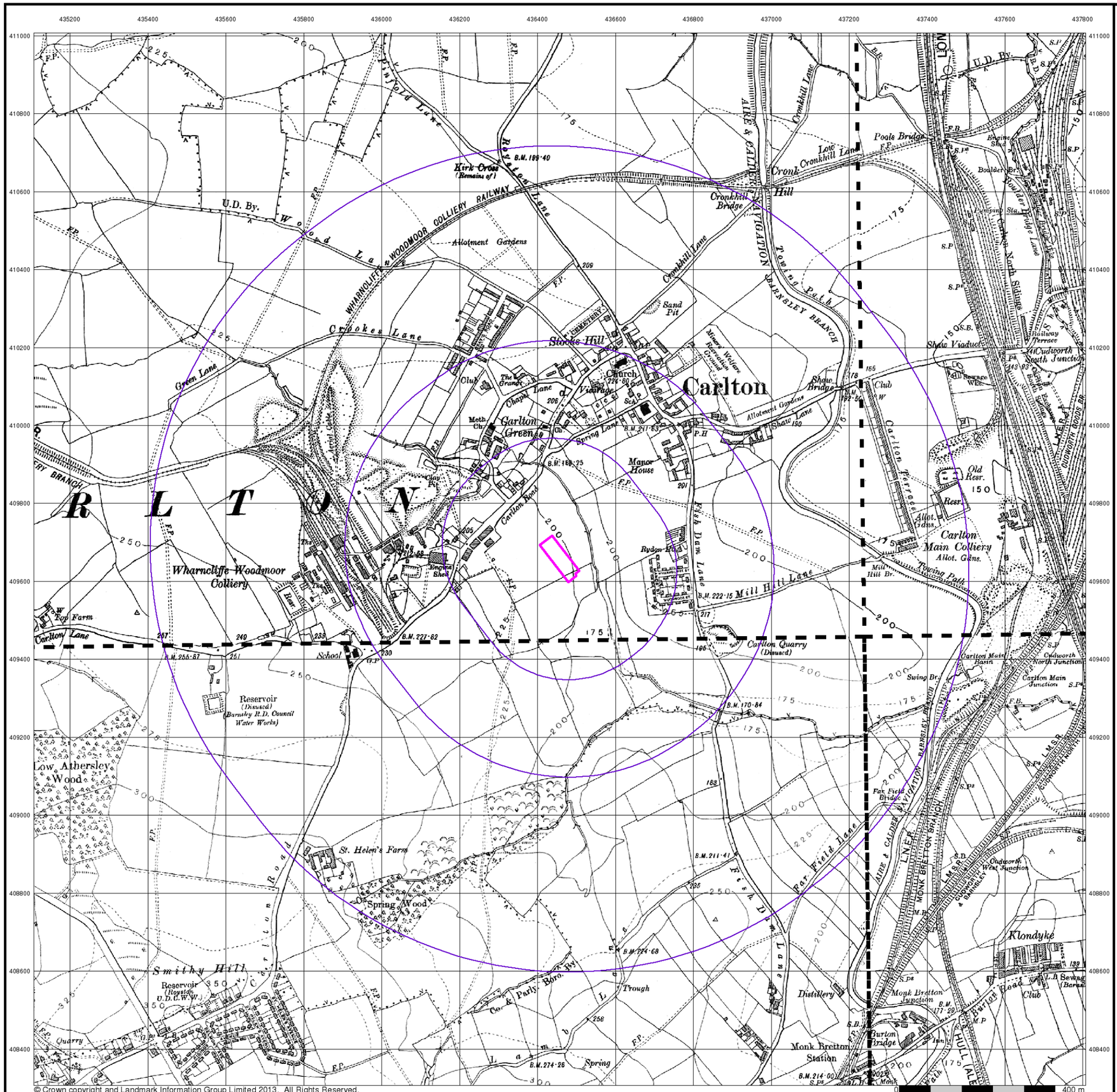
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

Site Details

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0 400 m

Yorkshire

Published 1932 - 1933

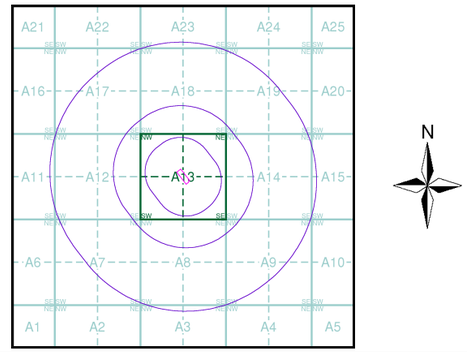
Source map scale - 1:10,560

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Map Name(s) and Date(s)

262SE 1932 1:10,560	263SW 1933 1:10,560
274NE 1932 1:10,560	275NW 1932 1:10,560

Historical Map - Slice A



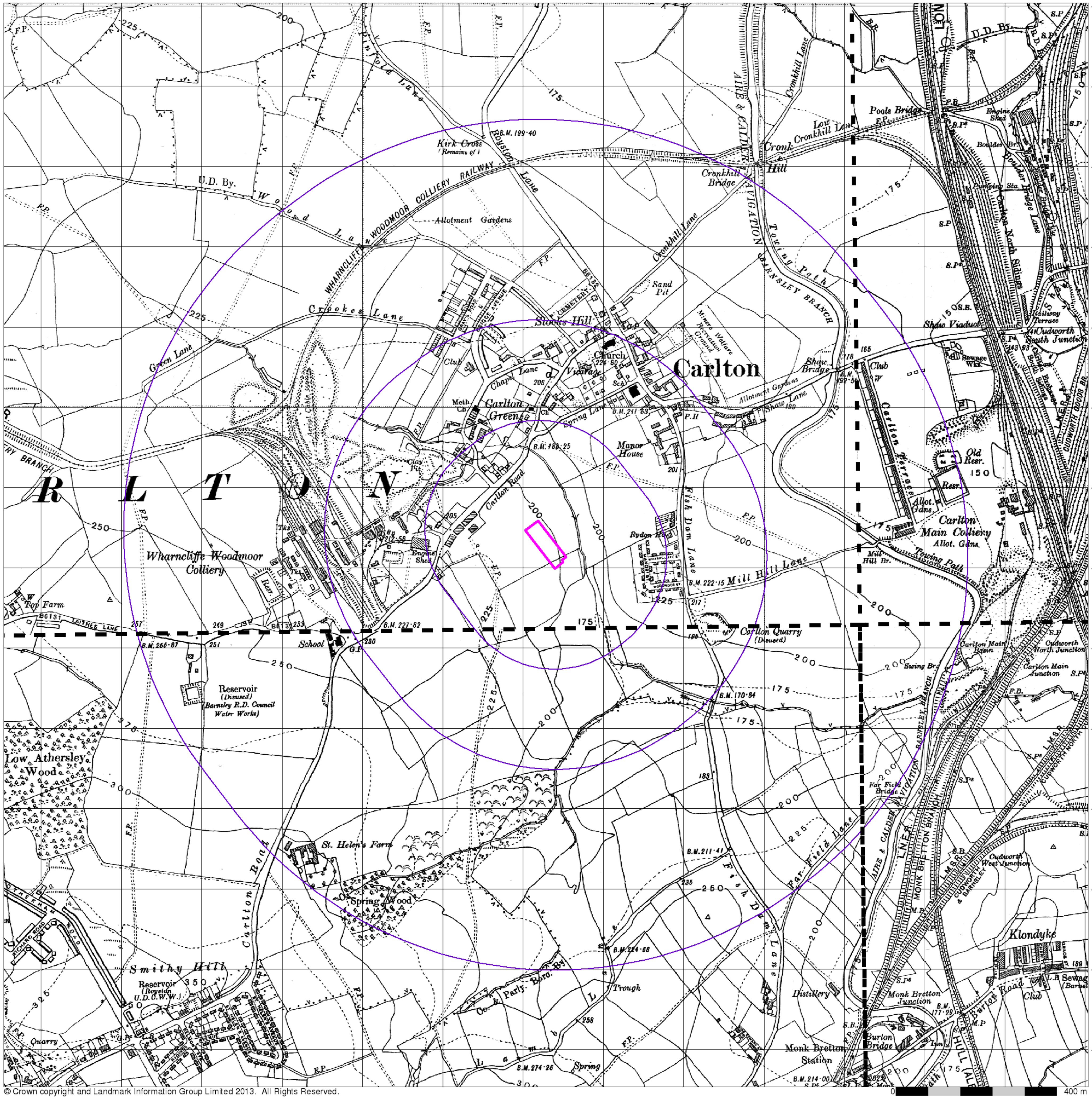
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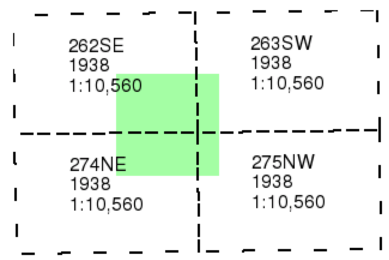
Yorkshire

Published 1938

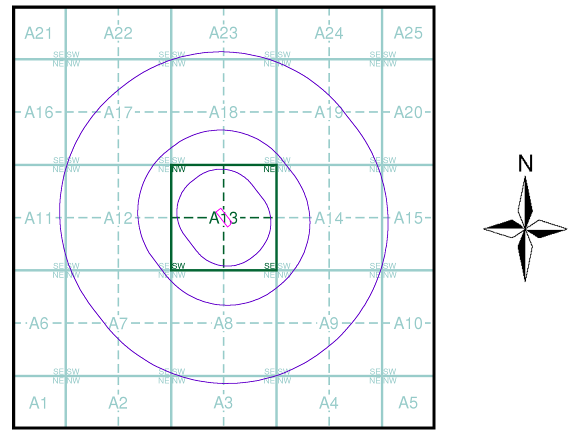
Source map scale - 1:10,560

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



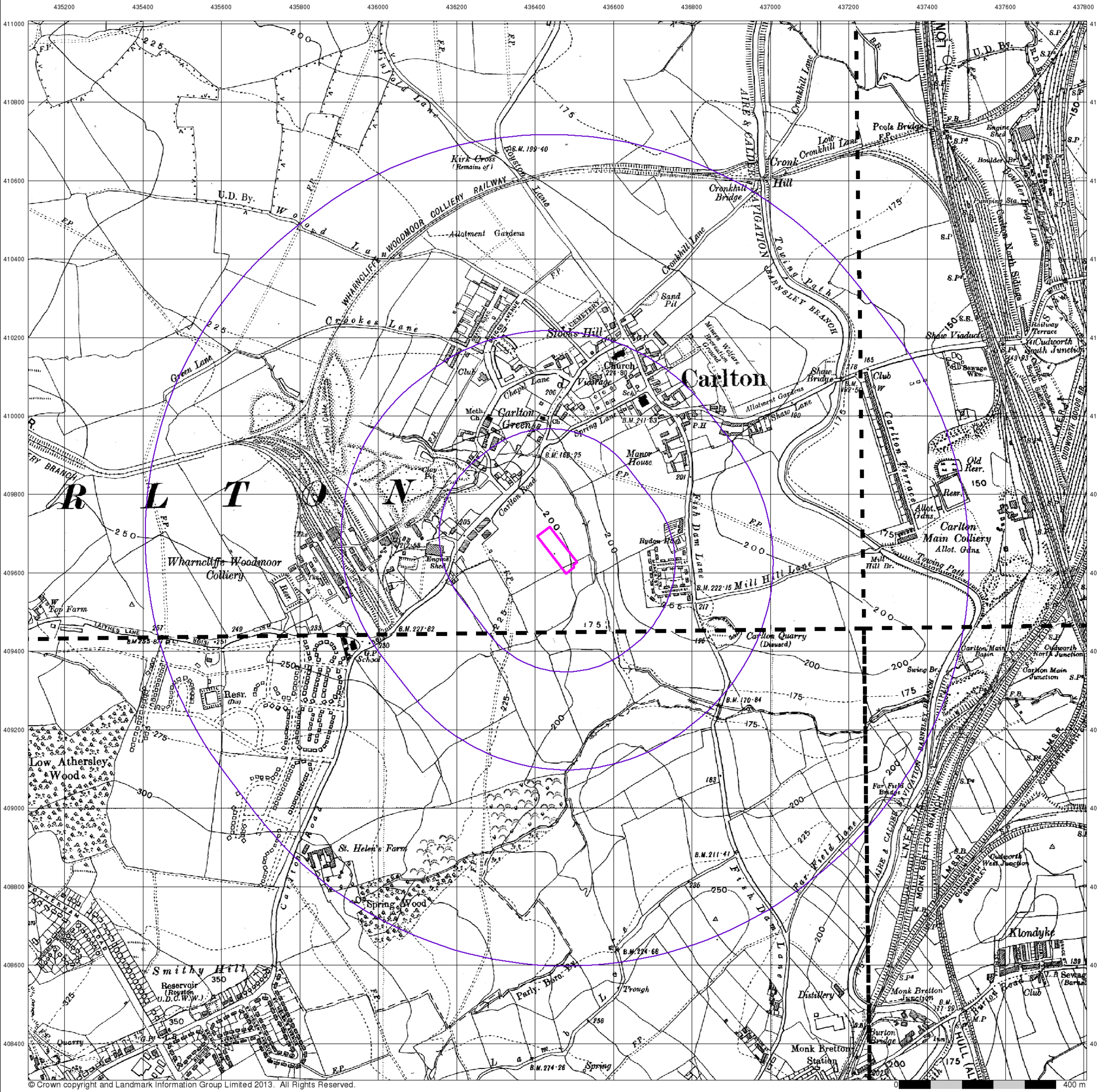
Order Details

Order Number: 56043635_1_1
Customer Ref: 14-256
National Grid Reference: 436460, 409660
Slice: A
Site Area (Ha): 0.47
Search Buffer (m): 1000

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

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



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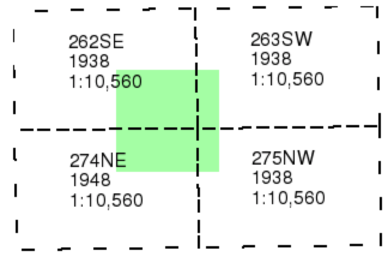
Yorkshire

Published 1938 - 1948

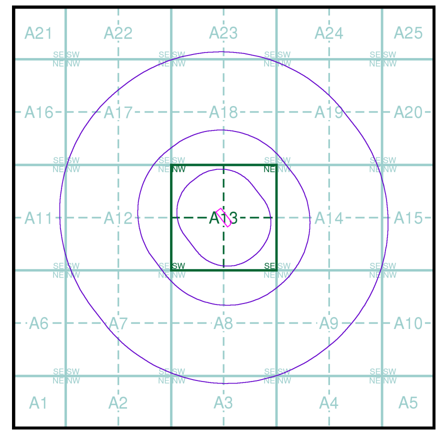
Source map scale - 1:10,560

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



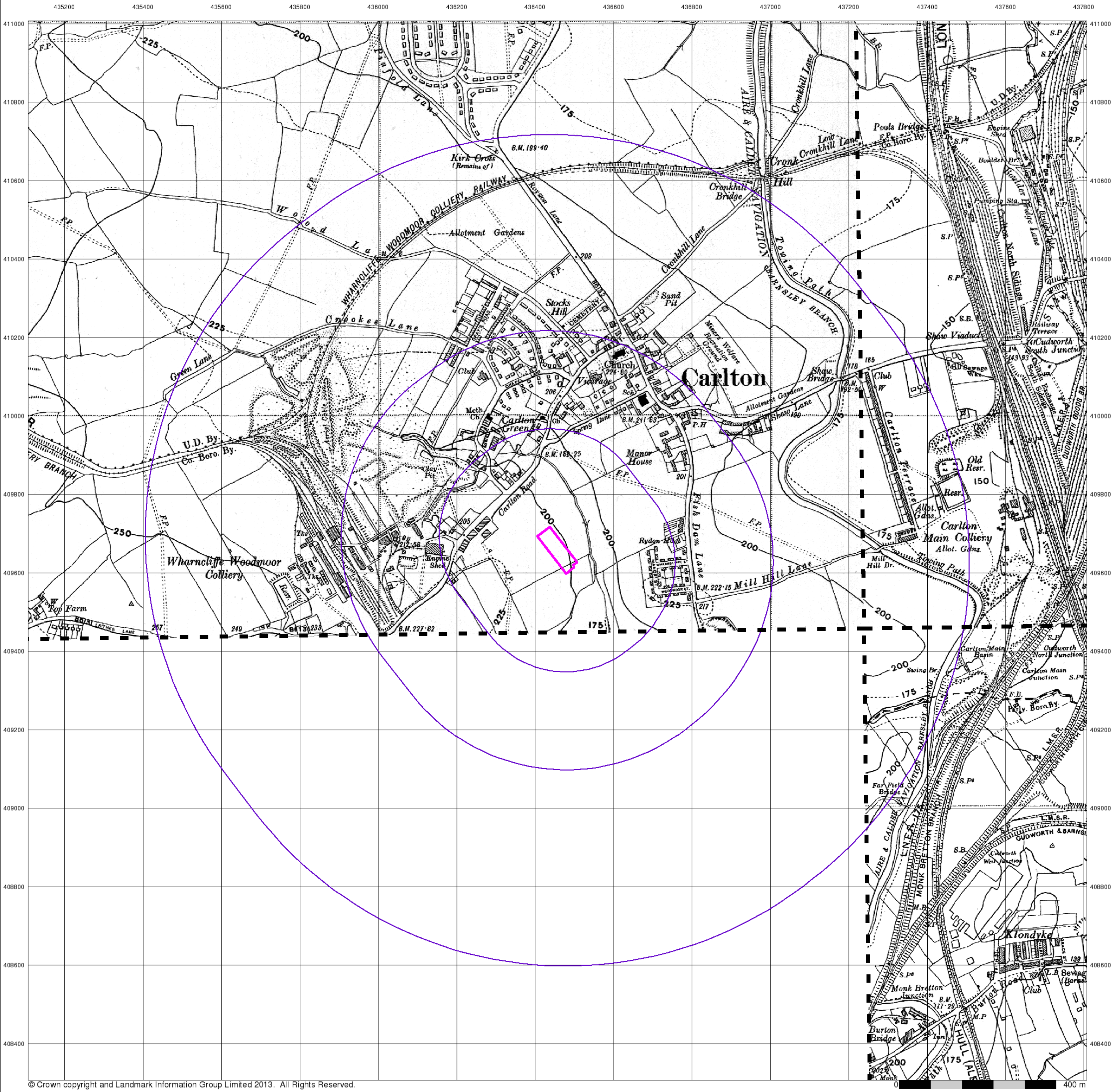
Order Details

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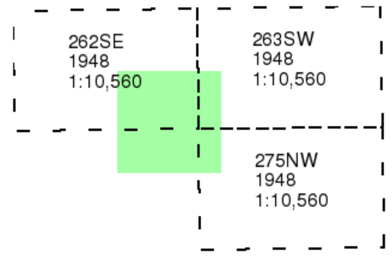
Yorkshire

Published 1948

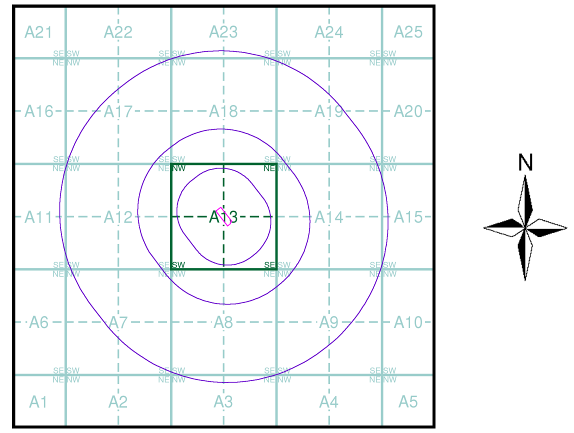
Source map scale - 1:10,560

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



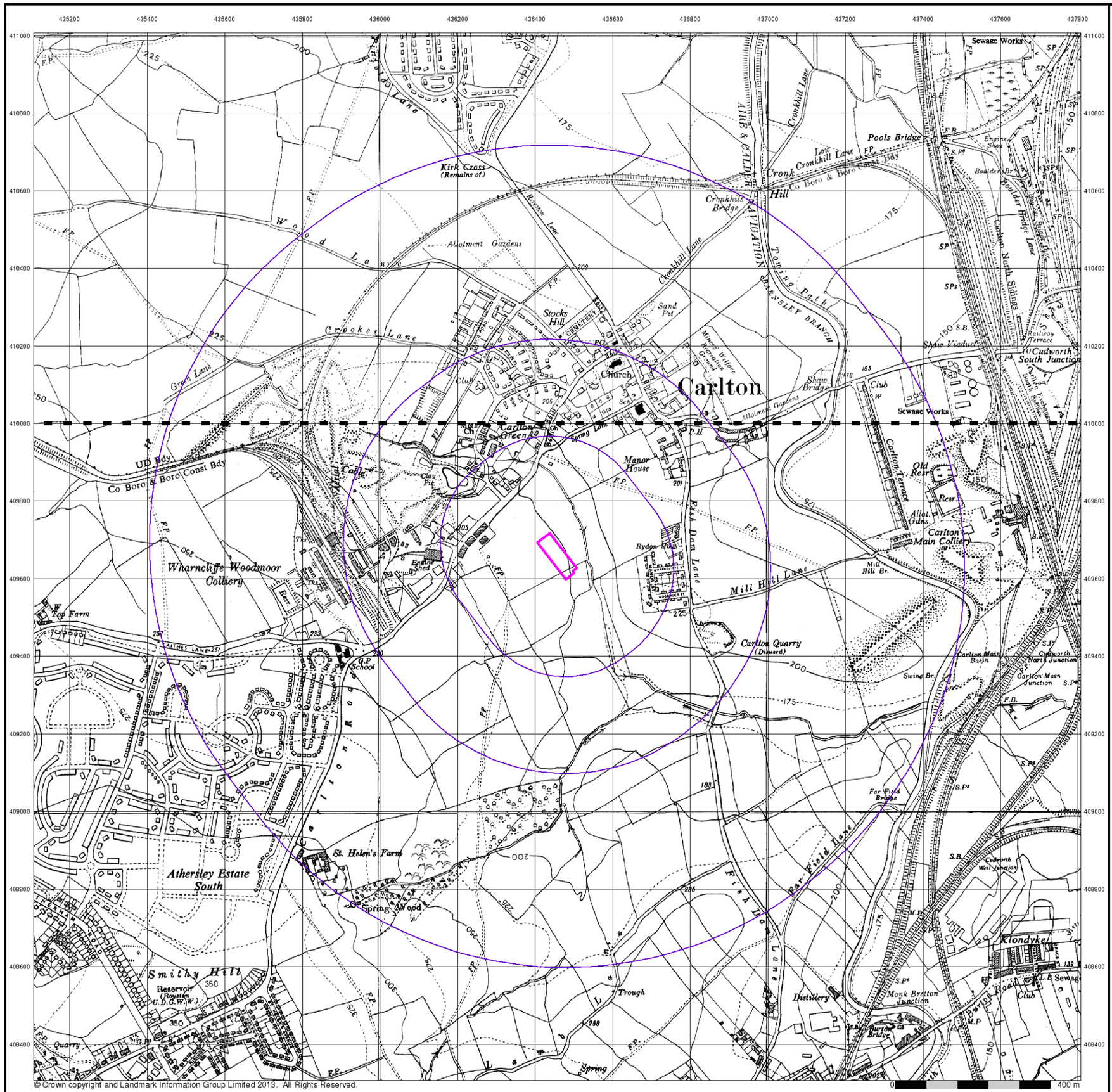
Order Details

Order Number: 56043635_1_1
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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

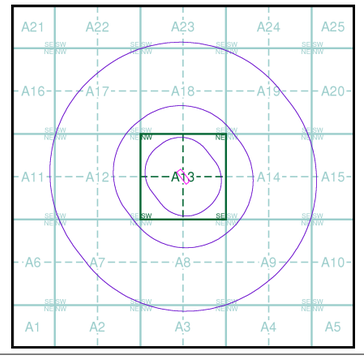
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SE31SE
1956
1:10,560

SE30NE
1955
1:10,560

Historical Map - Slice A



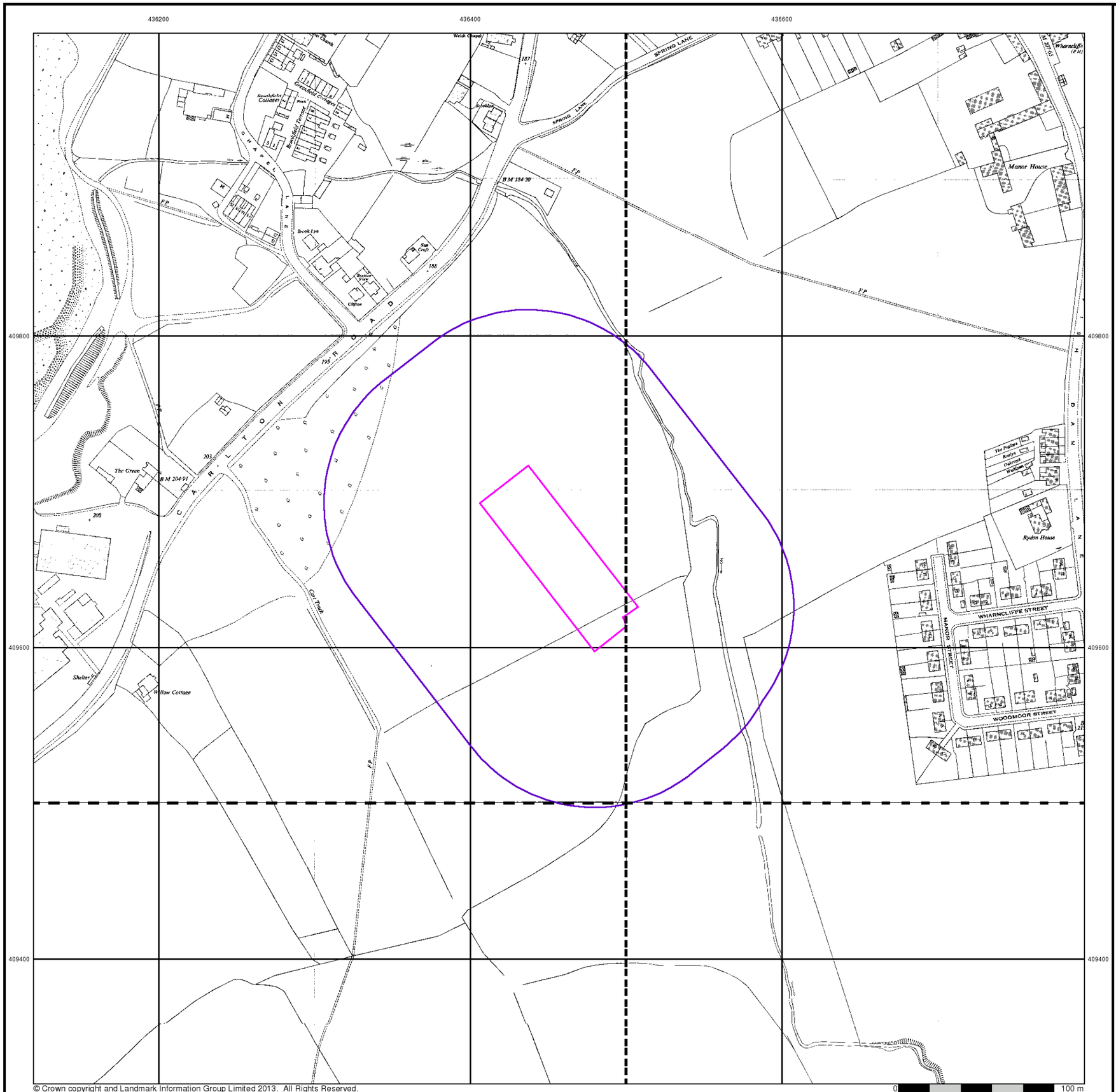
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1961 - 1962

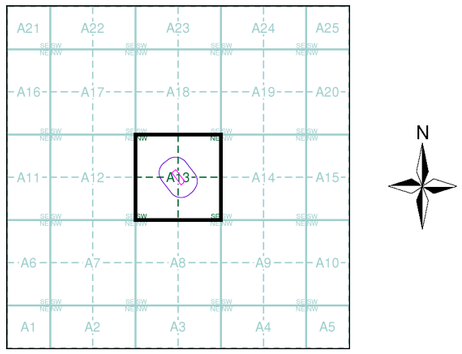
Source map scale - 1:1,250

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)

SE3609NW 1961 1:1,250	SE3609NE 1961 1:1,250
SE3609SW 1962 1:1,250	SE3609SE 1961 1:1,250

Historical Map - Segment A13



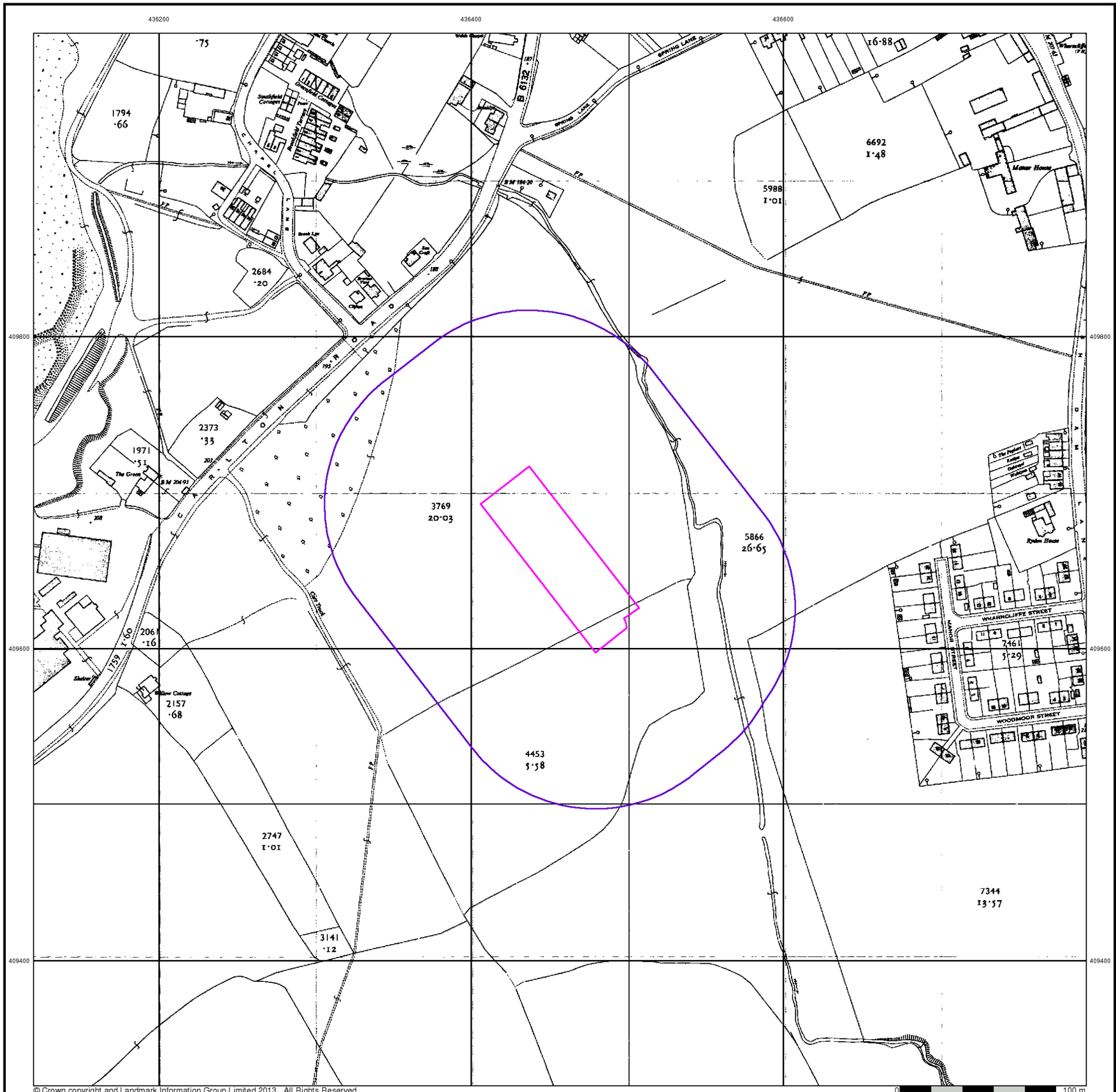
Order Details

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Customer Ref:	14-256
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Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

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Ordnance Survey Plan

Published 1962

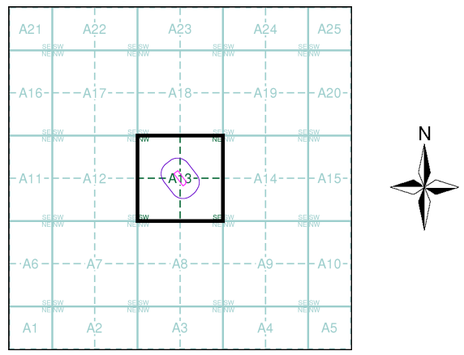
Source map scale - 1:2,500

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)

SE3609
1962
1:2,500

Historical Map - Segment A13



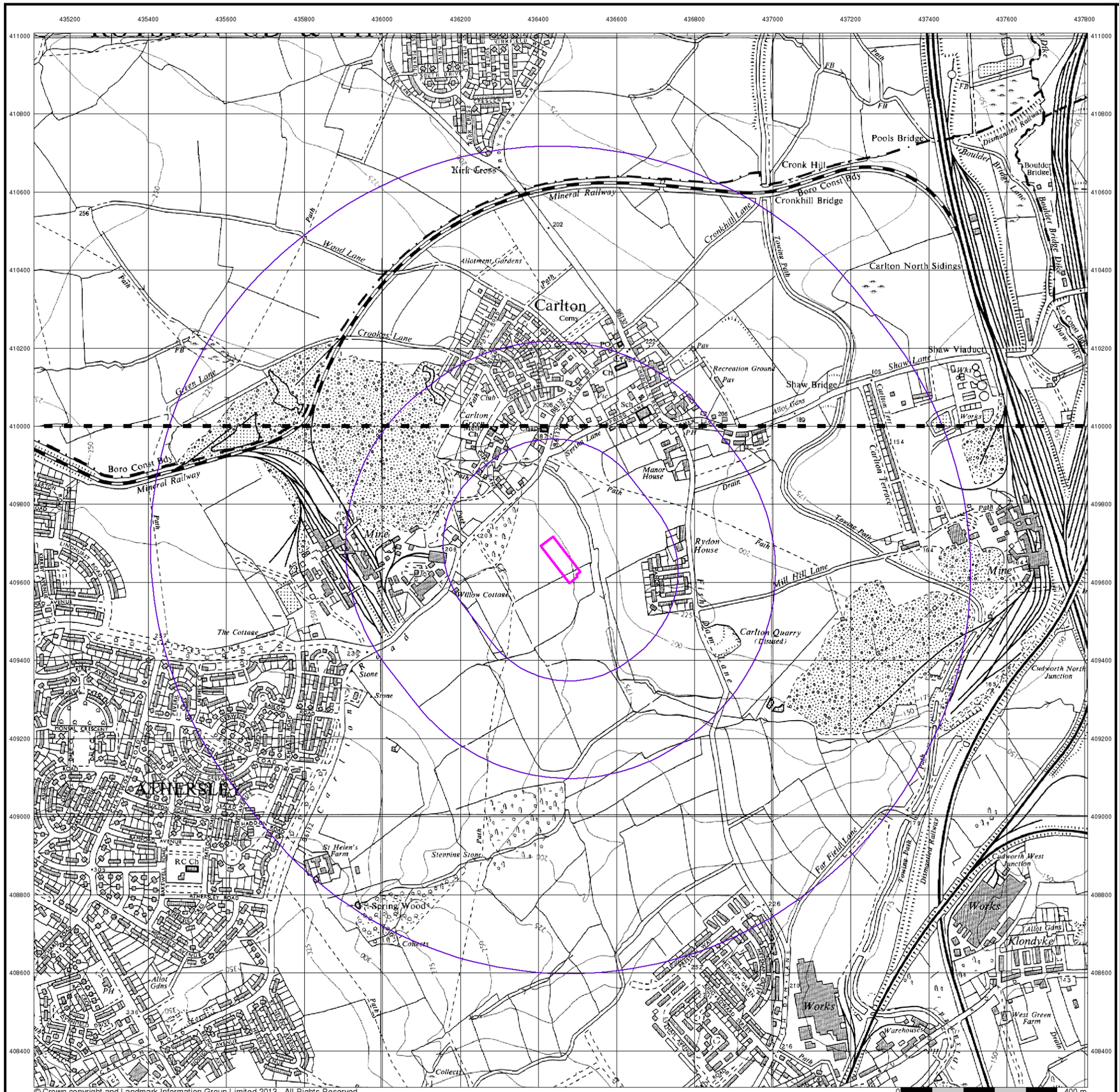
Order Details

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Slice:	A
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Ordnance Survey Plan

Published 1966

Source map scale - 1:10,000

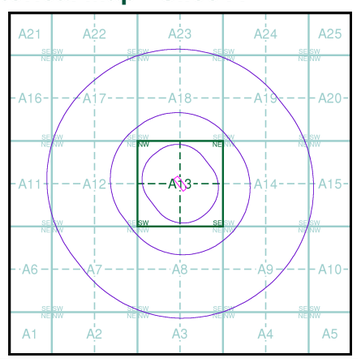
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SE31SE
1966
1:10,560

SE30NE
1966
1:10,560

Historical Map - Slice A



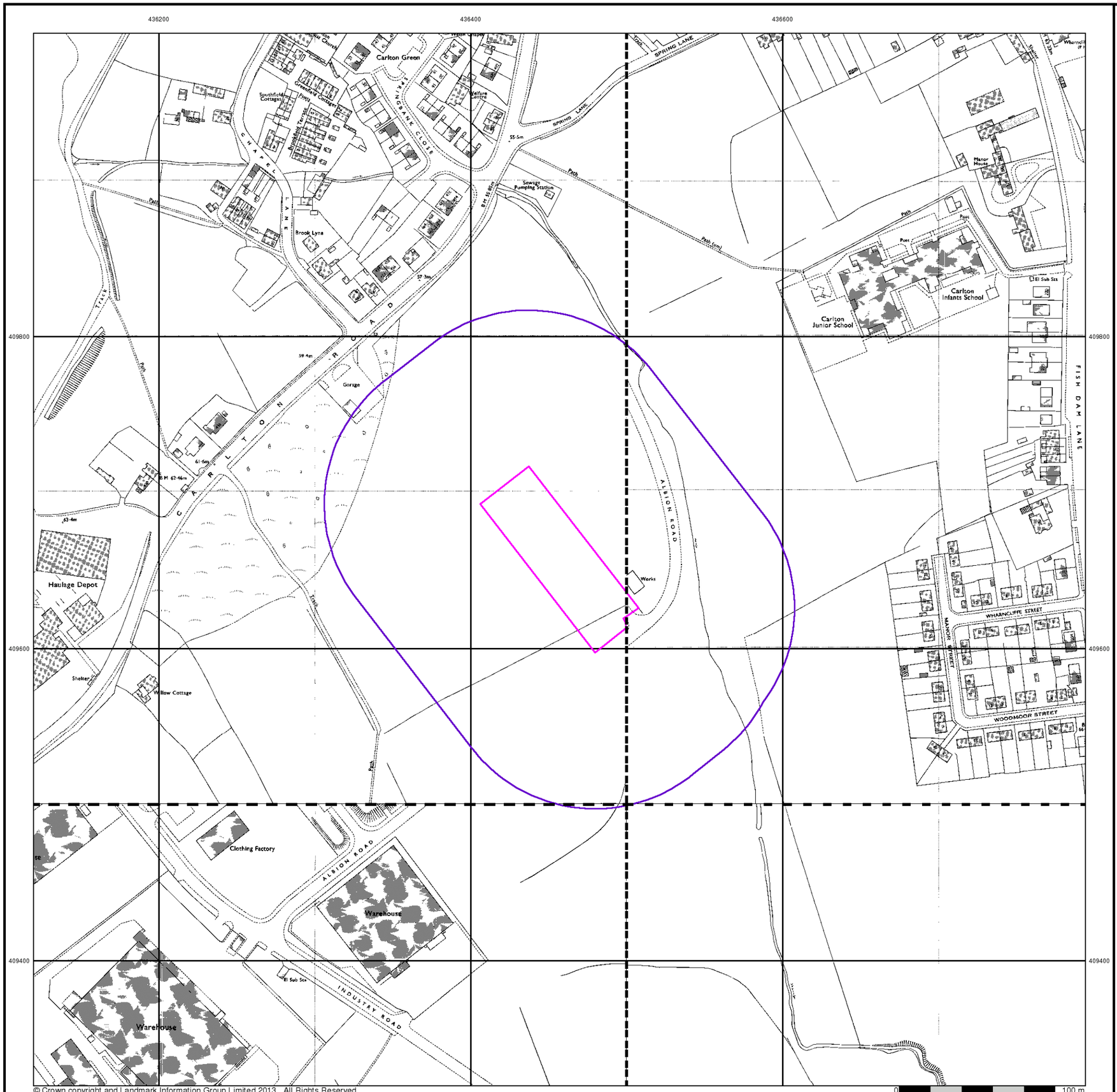
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
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Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1968 - 1976

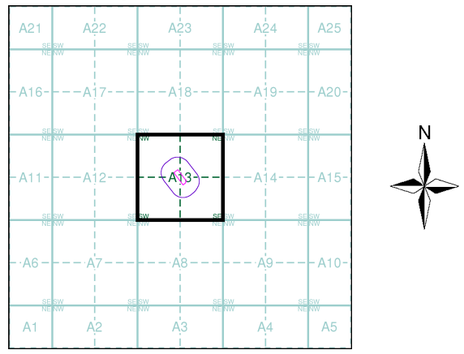
Source map scale - 1:1,250

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)

SE3609NW 1970 1:1,250	SE3609NE 1976 1:1,250
SE3609SW 1974 1:1,250	SE3609SE 1968 1:1,250

Historical Map - Segment A13



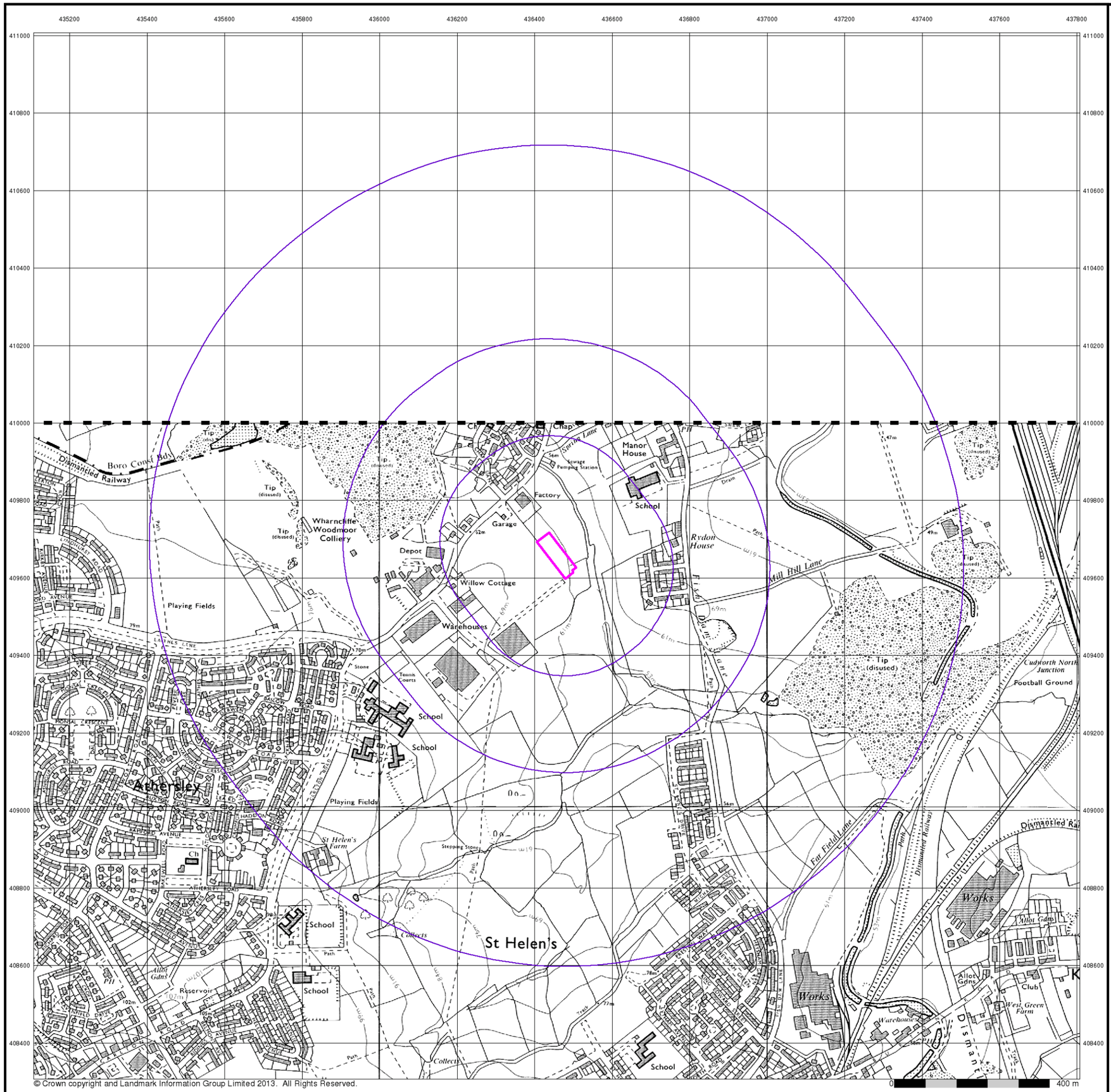
Order Details

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Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

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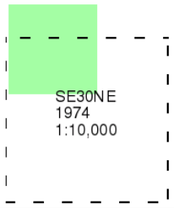
Ordnance Survey Plan

Published 1974

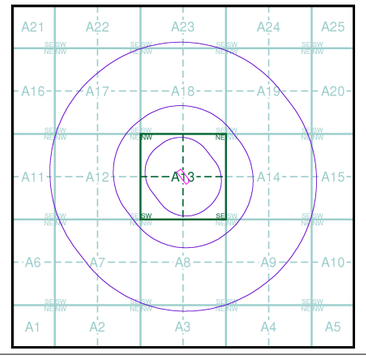
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



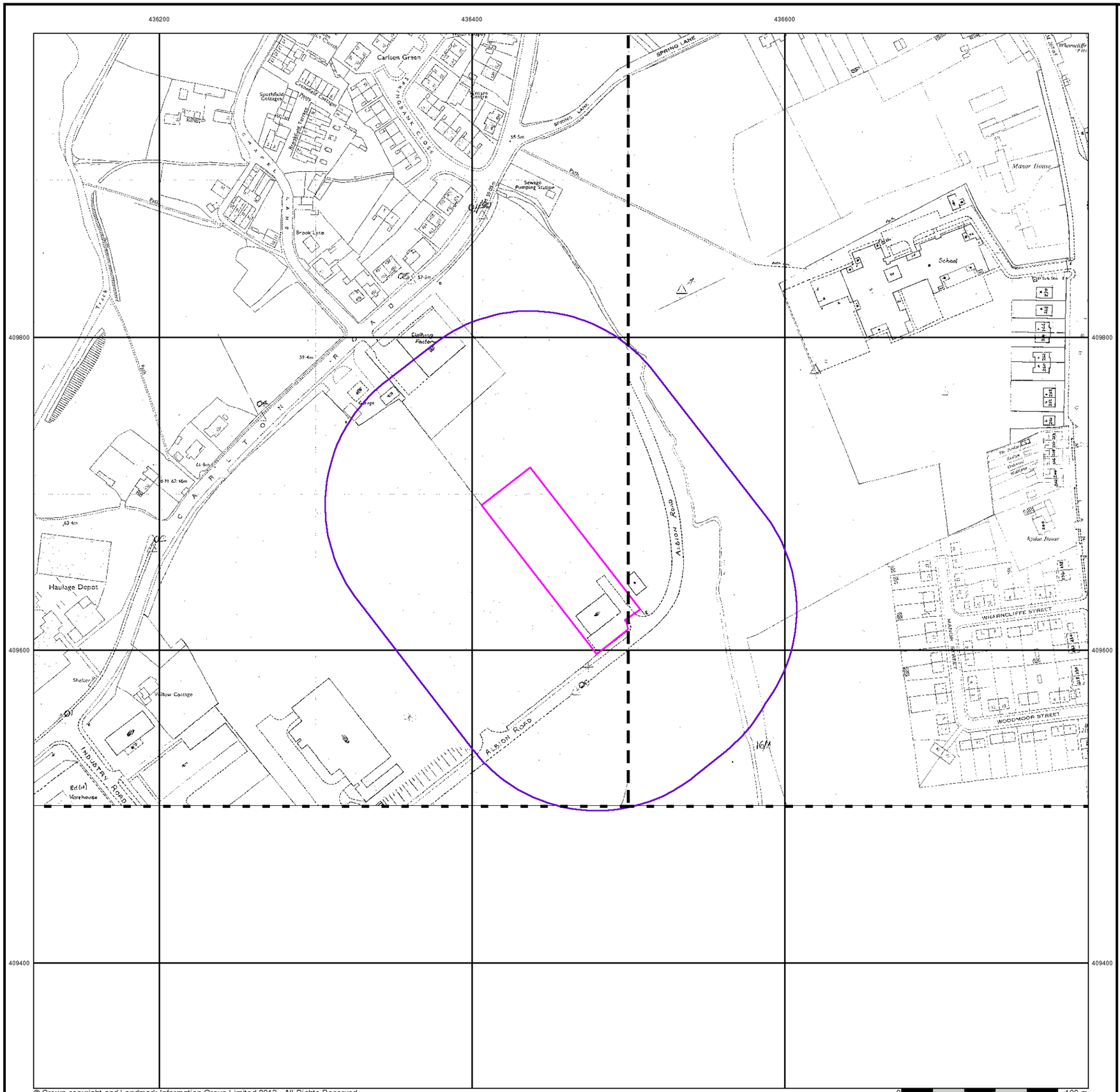
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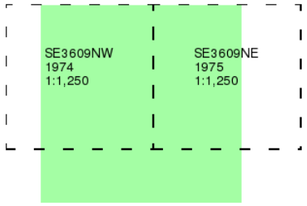
Supply of Unpublished Survey Information

Published 1974 - 1975

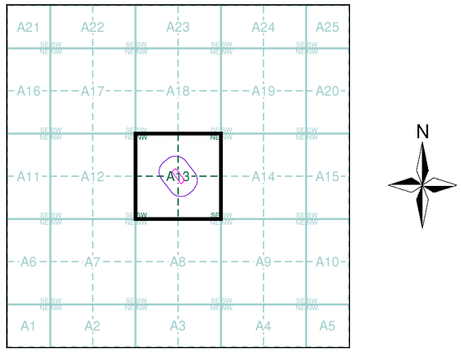
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



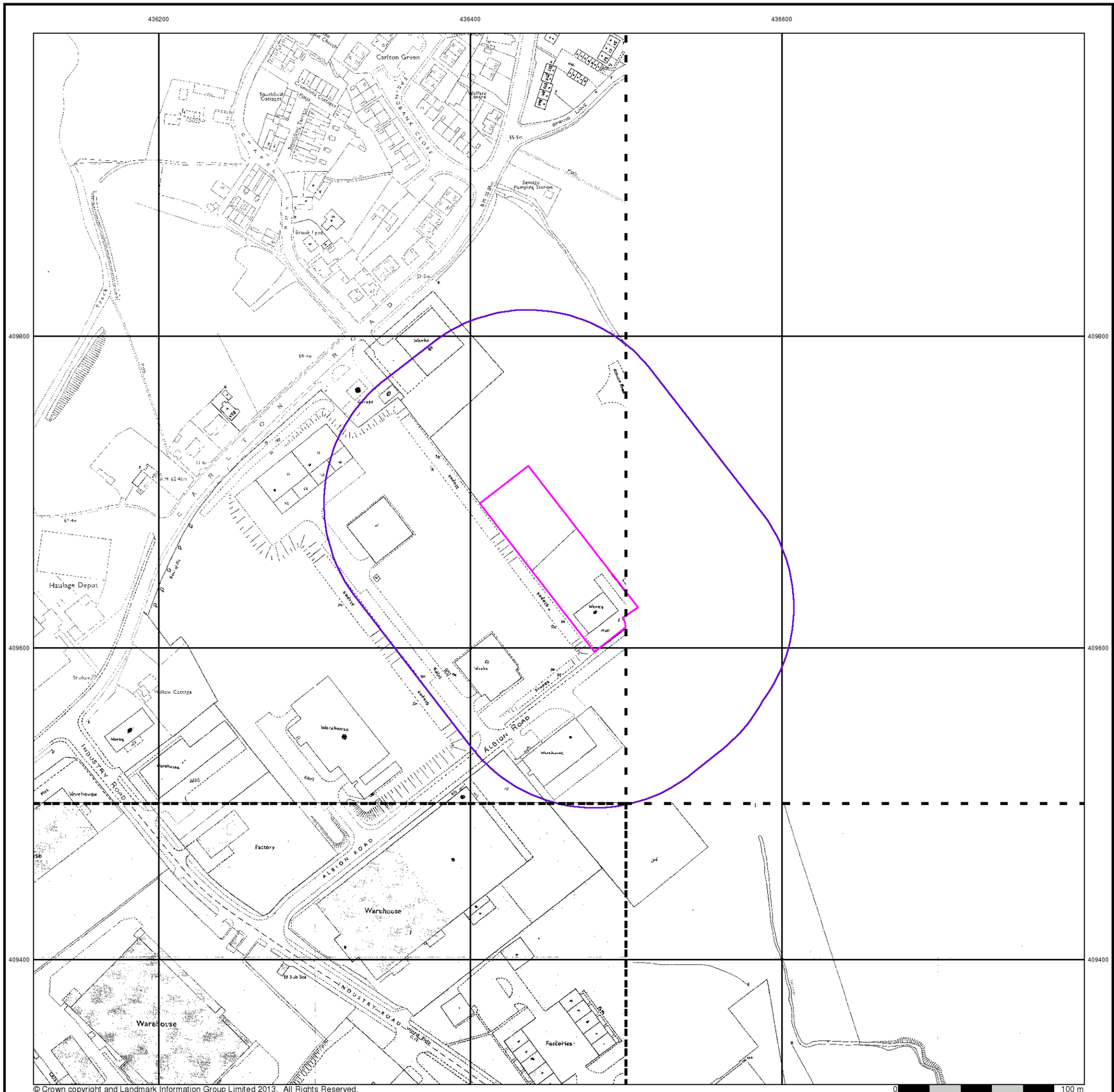
Order Details

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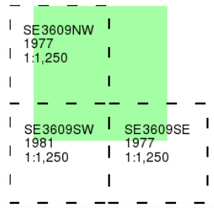
Additional SIMs

Published 1977 - 1981

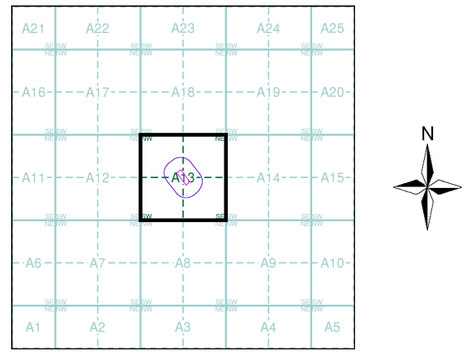
Source map scale - 1:1,250

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)



Historical Map - Segment A13



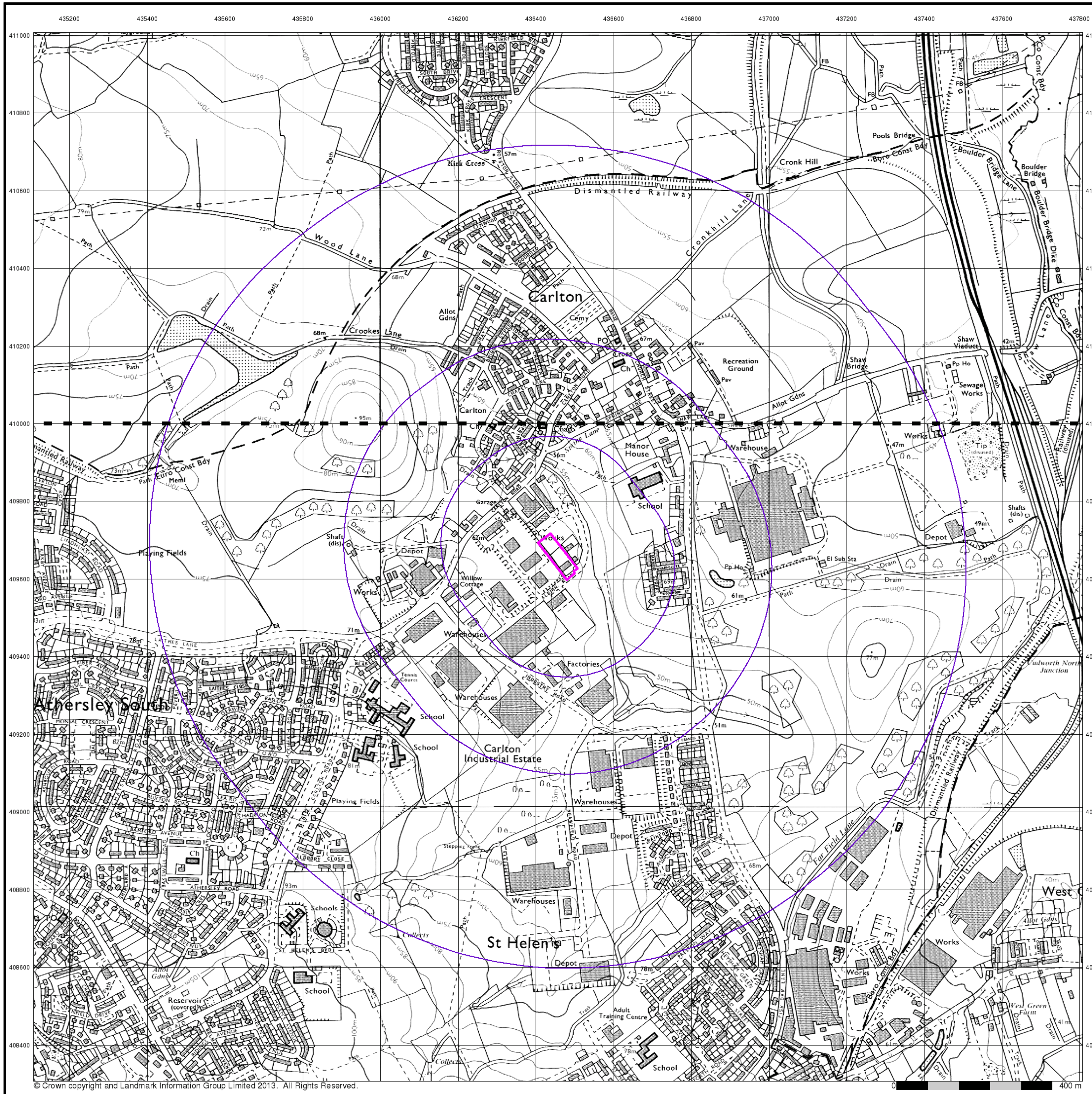
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Ordnance Survey Plan

Published 1981 - 1984

Source map scale - 1:10,000

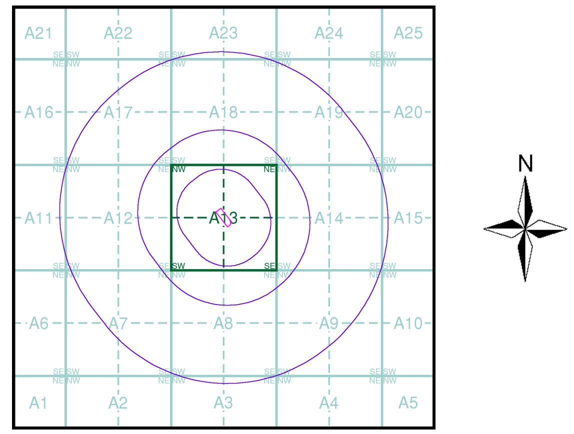
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Map Name(s) and Date(s)

SE31SE
1981
1:10,000

SE30NE
1984
1:10,000

Historical Map - Slice A



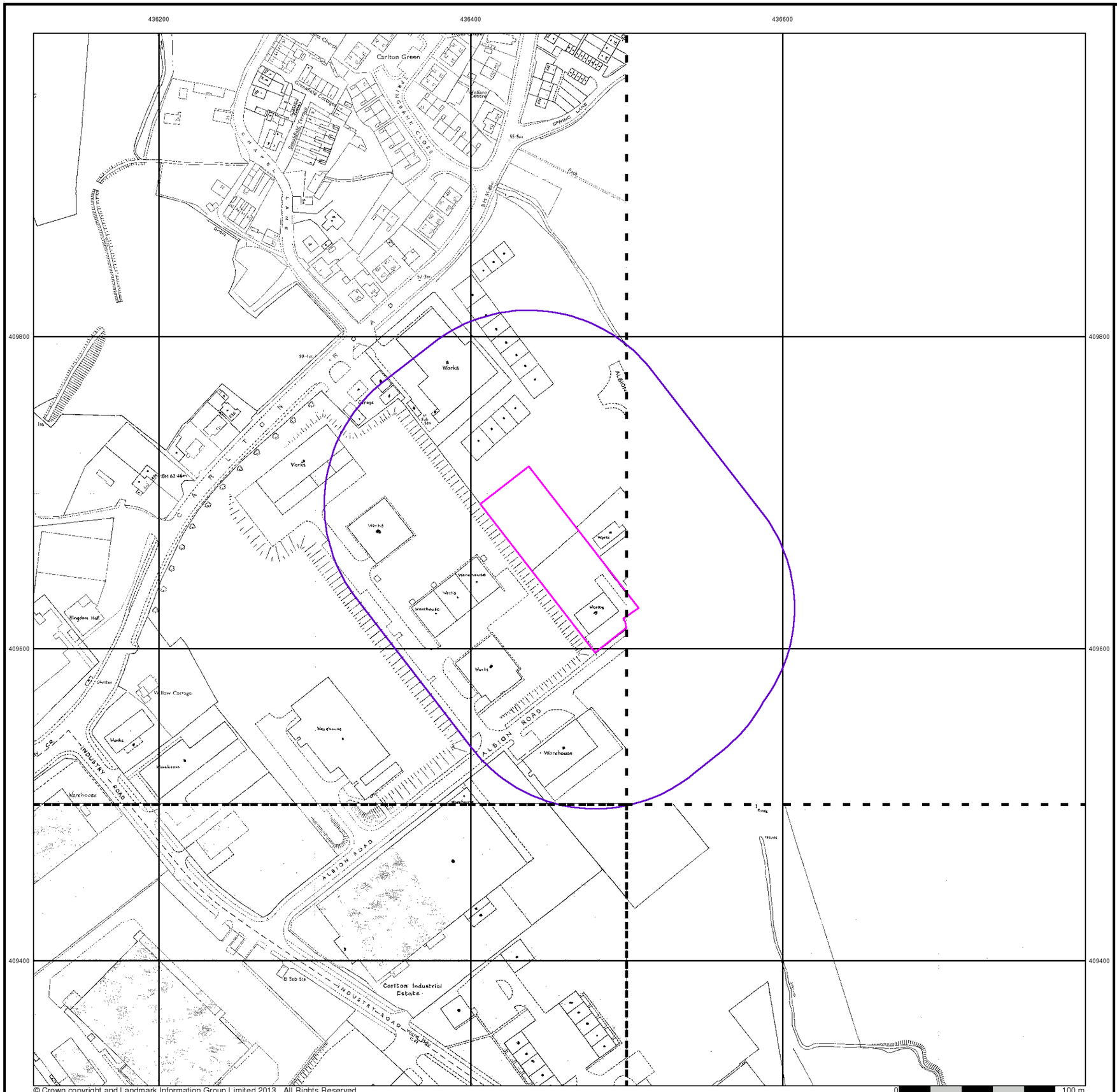
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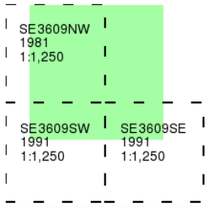
Additional SIMs

Published 1981 - 1991

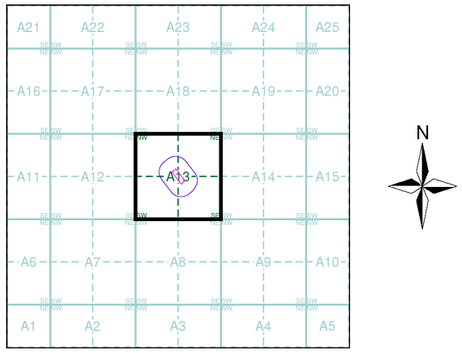
Source map scale - 1:1,250

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)



Historical Map - Segment A13



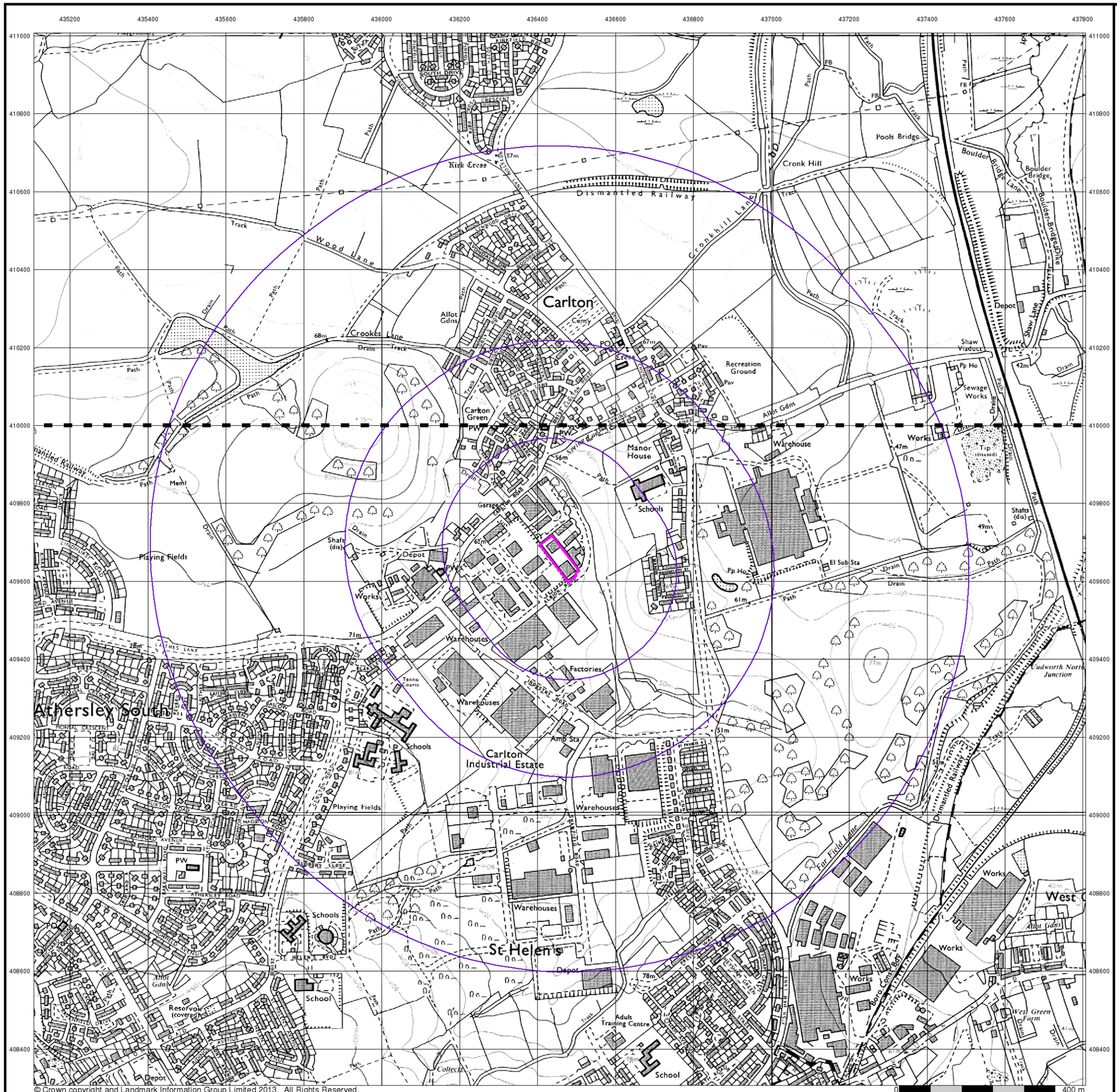
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

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



Ordnance Survey Plan

Published 1990 - 1993

Source map scale - 1:10,000

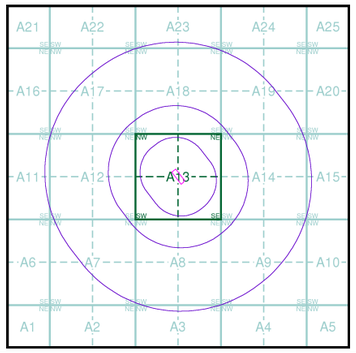
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SE31SE
1990
1:10,000

SE30NE
1993
1:10,000

Historical Map - Slice A



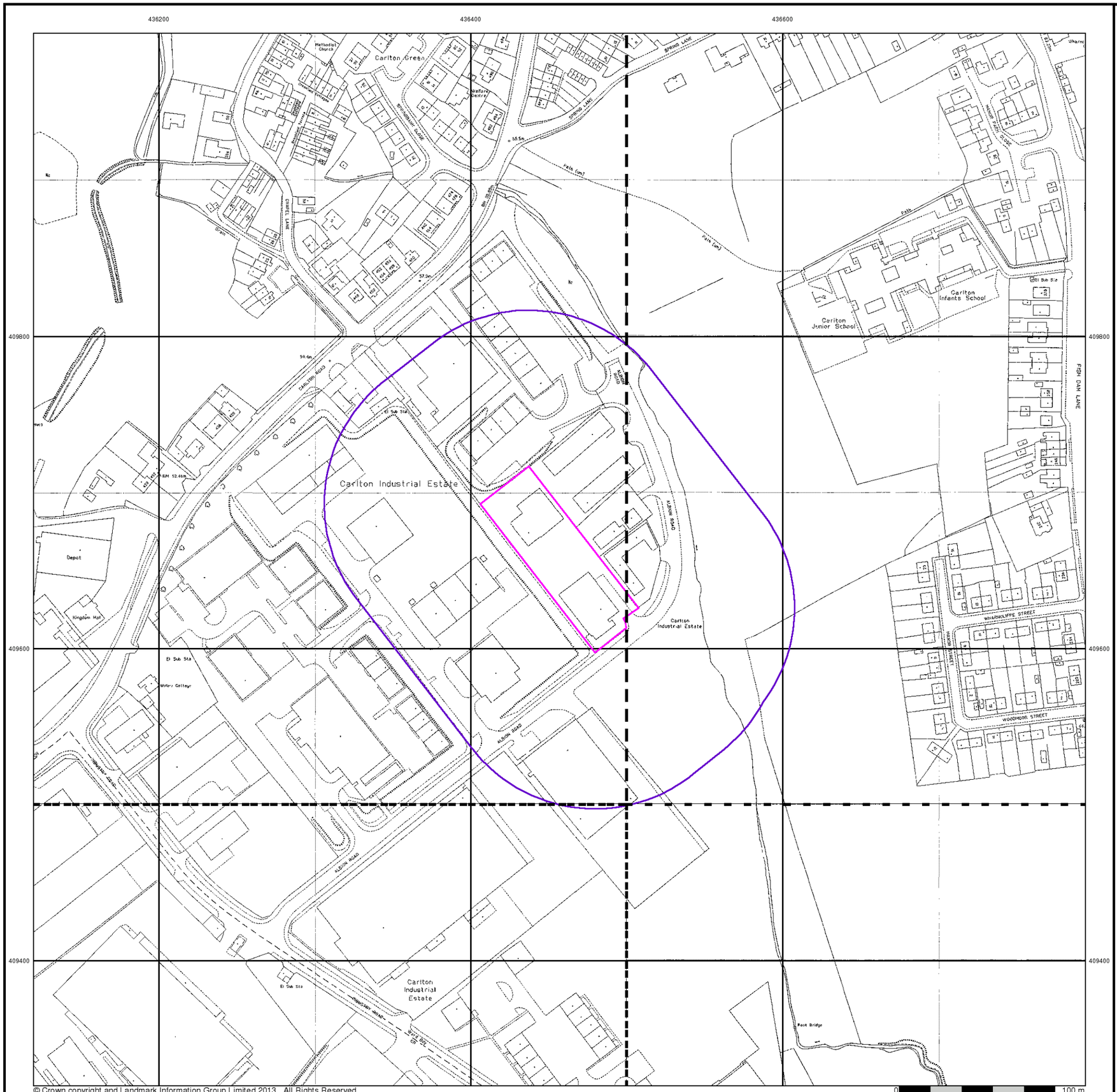
Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

Site Details

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arc environmental

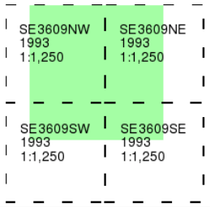
Large-Scale National Grid Data

Published 1993

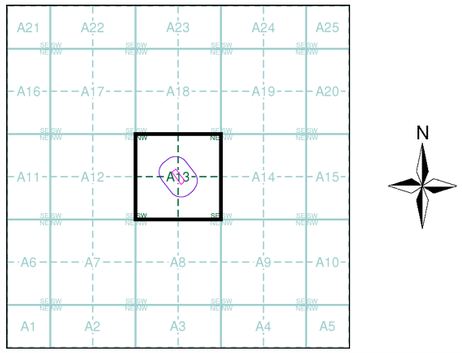
Source map scale - 1:1,250

'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

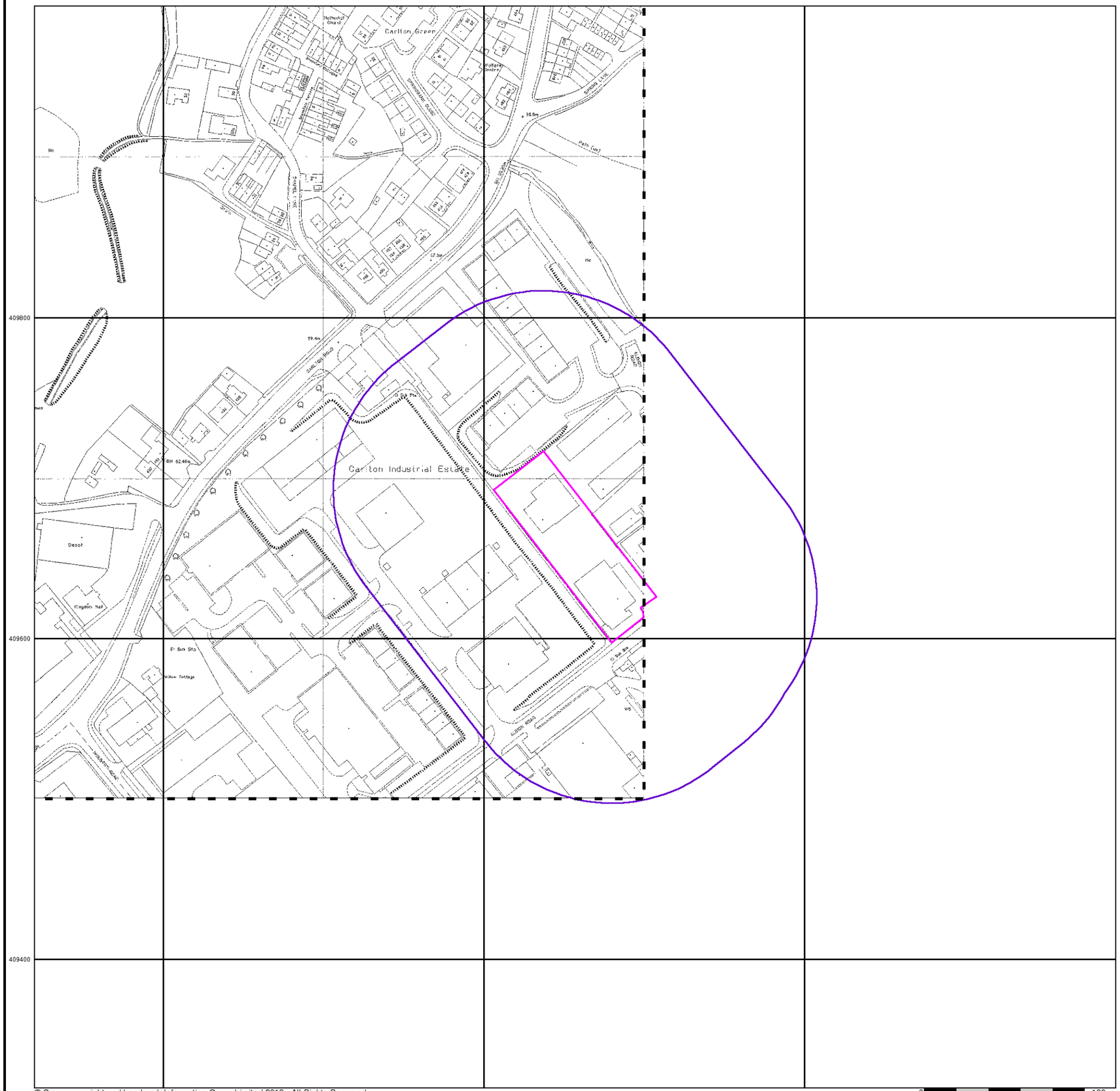
Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

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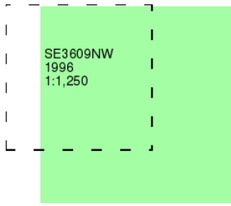
Large-Scale National Grid Data

Published 1996

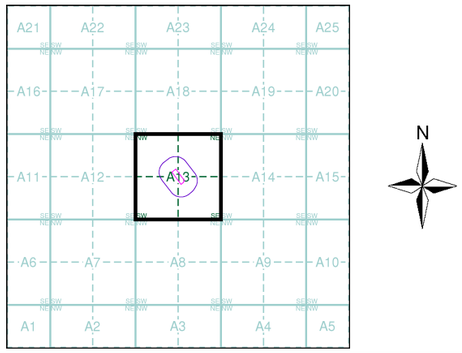
Source map scale - 1:1,250

'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

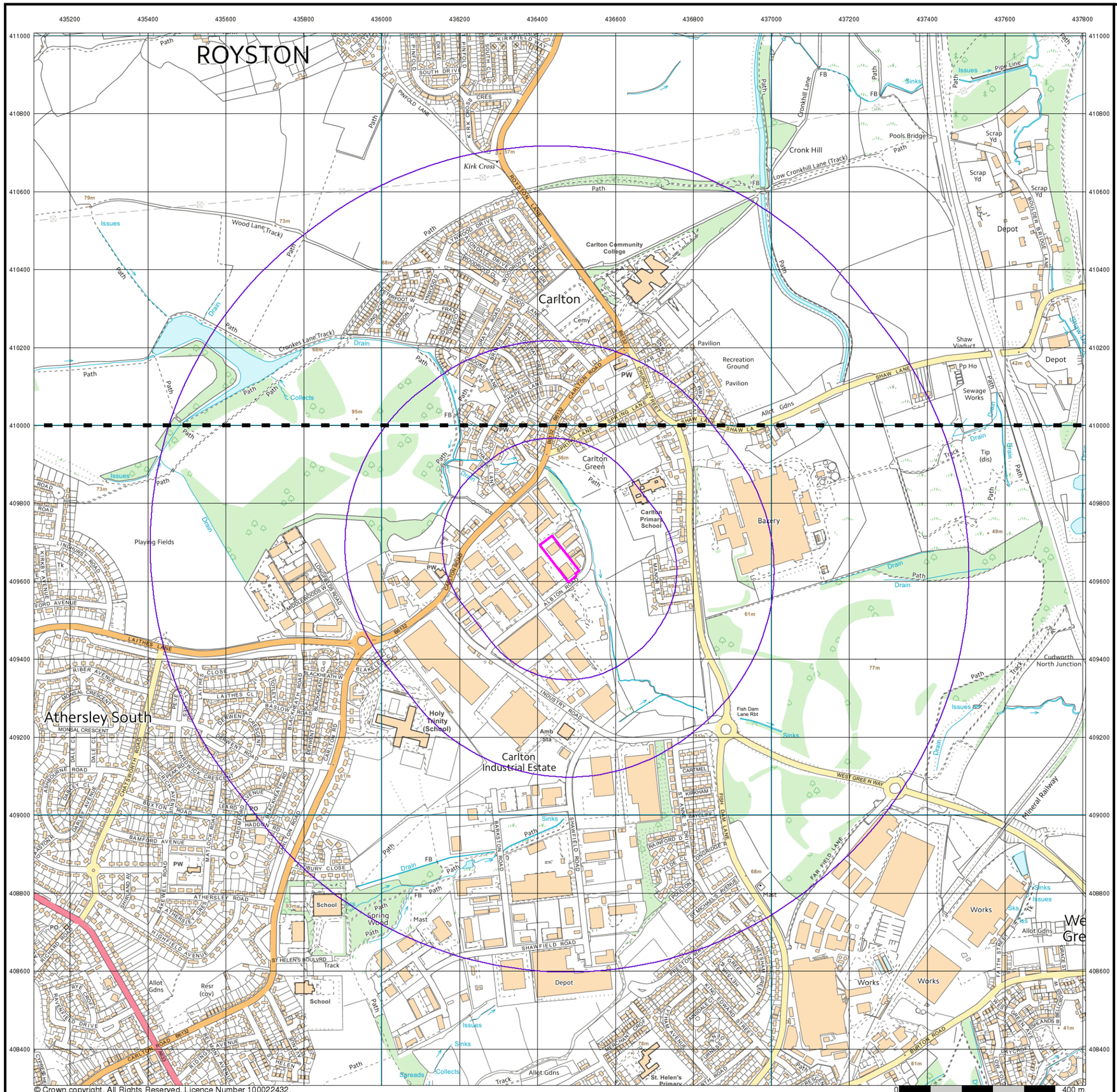


Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	100

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW



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VectorMap Local

Published 2014

Source map scale - 1:10,000

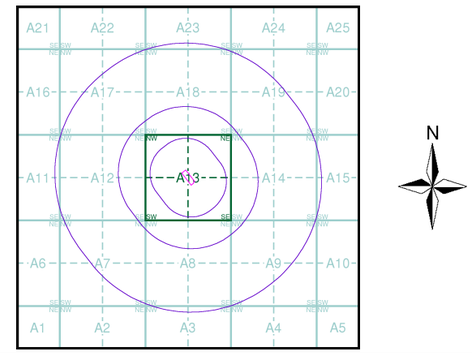
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SE31SE 2014 Variable

SE30NE 2014 Variable

Historical Map - Slice A



Order Details

Order Number:	56043635_1_1
Customer Ref:	14-256
National Grid Reference:	436460, 409660
Slice:	A
Site Area (Ha):	0.47
Search Buffer (m):	1000

Site Details

Land within Carlton Industrial Estate, Albion Road, Carlton, Barnsley, S71 3HW

Landmark Information Group

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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
56043635_1_1

Customer Reference:
14-256

National Grid Reference:
436460, 409660

Slice:
A

Site Area (Ha):
0.47

Search Buffer (m):
1000

Site Details:

Land within Carlton Industrial Estate
Albion Road
Carlton
Barnsley
S71 3HW

Client Details:

Mr K Moir
Arc Environmental Ltd
Unit 1
Elliot Court
St John's Road
Meadowfield
Durham
DH7 8PN

Contents

Report Section	Page Number
Summary	-
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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 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 the attached 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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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v47.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2		5
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 2		2	6	
Integrated Pollution Prevention And Control	pg 4		1	2	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		2	1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		13	7	3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters	pg 9			1	
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 9		1		1
Water Abstractions	pg 10				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 11	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 11		Yes	Yes	n/a
Detailed River Network Offline Drainage					n/a

Summary

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 15			1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 15		3		3
Local Authority Recorded Landfill Sites	pg 16			1	
Registered Landfill Sites	pg 17			1	1
Registered Waste Transfer Sites	pg 17		1	1	
Registered Waste Treatment or Disposal Sites	pg 18		2		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 19			1	
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 19			1	
Planning Hazardous Substance Consents	pg 19			1	1
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 27			6	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 29	Yes	n/a	n/a	n/a
Mining Instability	pg 29	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 29	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 30	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 31		27	26	54
Fuel Station Entries	pg 40		1		
Sensitive Land Use					
Areas of Adopted Green Belt	pg 41		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 41	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Laithes Lane Cso, Laithes Lane, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7957 Permit Version: 1 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Cudworth Dyke **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NW (N)	165	1	436420 409880
2	**Discharge Consents** Operator: British Coal Corporation, South Yorks Group Property Type: Trade (Unknown/Other) Location: Wharncliffe Woodmoor Carlton, Royston, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3702 Permit Version: 1 Effective Date: 6th June 1983 Issued Date: 6th June 1983 Revocation Date: 28th November 1994 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Not Supplied **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	233	1	436200 409800
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Westhill Cso, Rotherham, . Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Varies With Outlet **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	582	1	435885 409435
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Laithes Lane, ATHERSLEY SOUTH, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	588	1	435880 409430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Laithes Lane, ATHERSLEY SOUTH, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	591	1	435880 409425
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Doncaster Road Cso, Kendray, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4872 Permit Version: 2 Effective Date: 31st March 2004 Issued Date: 13th November 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	851	1	437260 409230
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Royston Lane B Sps Royston Lane, Royston, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wadc356 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 8th June 2002 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Swan Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	868	1	436350 410580
6	**Integrated Pollution Controls** Name: Mydrin Ltd Location: Albion Road, Carlton Industrial Estate, Carlton, BARNSLEY, South Yorkshire, S71 3PL Authority: Environment Agency, North East Region Permit Reference: AN8445 Dated: 20th July 1994 Process Type: Application since found to be exempt from IPC Description: 4.5 A (A) Inorganic Chemical processes within the Chemical Industry **Status: Application since found to be exempt from IPCExempt** Positional Accuracy: Manually positioned to the address or location	A13SE (S)	199	1	436500 409400
6	**Integrated Pollution Controls** Name: Mydrin Ltd Location: Albion Road, Carlton Industrial Estate, Carlton, BARNSLEY, South Yorkshire, S71 3PL Authority: Environment Agency, North East Region Permit Reference: BA9444 Dated: 13th March 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised** Positional Accuracy: Manually positioned to the address or location	A13SE (S)	204	1	436500 409395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: CA4633 Dated: 8th May 2006 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: Bz2176 Dated: 28th July 2005 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: BG7231 Dated: 13th August 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: BC8546 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: AN2323 Dated: 16th May 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284
7	**Integrated Pollution Controls** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: AK5130 Dated: 25th February 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (J) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A8NE (S)	322	1	436554 409284

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Integrated Pollution Prevention And Control** Name: G K Enviro Limited Location: G K Enviro Limited Eaeprrp3930gba001, Carlton Industrial Estate, Shawfield Road,,, BARNSLEY, South Yorkshire, S71 3HS Authority: Environment Agency, North East Region Permit Reference: RP3930GB Original Permit Ref: Rp3930gb Effective Date: 13th September 2011 **Status: Revoked** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: N Activity Code: 5.3 A(1) (A) Activity Description: Other Waste Disposal; Hazardous Waste Greater Than 10T/D Primary Activity: Y	A13NW (W)	65	1	436343 409678
9	**Integrated Pollution Prevention And Control** Name: Monckton Coke And Chemical Company Limited Location: The Monckton Coke And Chemical Co Ltd, Po Box 25, Royston, South Yorkshire, S71 4BE Authority: Environment Agency, North East Region Permit Reference: AP3135GS Original Permit Ref: Bk3441ia Effective Date: Not Supplied **Status: Application refused** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Manually positioned within the geographical locality Activity Code: 1.1 B (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 20Mw But Less Than 50Mw (Unless 1.1 A(1) B) Primary Activity: Y Activity Code: 4.2 A(1) (A) (III) Activity Description: Inorganic Chemicals; Bases Eg Ammonium Hydroxide Primary Activity: N Activity Code: 3.5 B (B) (I) Activity Description: Other Mineral Activities; Crushing Etc Of Coal Etc (Unless Exempt Location) Primary Activity: N Activity Code: 4.1 A(1) (A) (I) Activity Description: Organic Chemicals; Hydrocarbons Eg Aromatics Primary Activity: N	A13SW (W)	314	1	436132 409541
10	**Integrated Pollution Prevention And Control** Name: Bostik Ltd Location: 1-3, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Authority: Environment Agency, North East Region Permit Reference: TP3239BS Original Permit Ref: Tp3239bs Effective Date: Not Supplied **Status: Valid** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8NE (S)	322	1	436554 409284
11	**Local Authority Pollution Prevention and Controls** Name: Carlton Village Service Station Location: Carlton Road, BARNSLEY, South Yorkshire, S71 3HX Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/56 Dated: 11th March 2002 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	82	2	436389 409783

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Local Authority Pollution Prevention and Controls** Name: Frost It Location: Carlton Industrial Estate, Albion Road, Carlton, BARNSLEY, South Yorkshire, S71 3HW Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: EPA82 Dated: 10th September 1996 Process Type: Local Authority Air Pollution Control Description: PG3/6 Processes for the polishing or etching of glass or glass products using hydrofluoric acid **Status: Authorisation certificate surrendered by operatorSurrendered** Positional Accuracy: Automatically positioned to the address	A13NW (W)	115	2	436296 409724
13	**Local Authority Pollution Prevention and Controls** Name: Mydrin Ltd Location: Albion Road, Carlton Industrial Estate, BARNSLEY, South Yorkshire, S71 3PQ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A8NE (S)	321	2	436557 409286
14	**Local Authority Pollution Prevention and Controls** Name: Appleton Mini Mix Location: Barkston Road, Carlton Industrial Estate, Carlton, Barnsley, S71 3hu Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/01 Dated: 3rd February 2004 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	567	2	436342 409048
15	**Local Authority Pollution Prevention and Controls** Name: F & G Commercials Ltd Location: Unit 2 Barkstone Road, Carlton Industrial Estate, Barnsley, S71 3hu Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: ppc/b/94 Dated: 31st January 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	624	2	436300 409000
16	**Local Authority Pollution Prevention and Controls** Name: Hansons Quarry Products Europe Location: Calrton Industrial Estate, Shawfield Road, BARNSLEY, S71 3HS Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/05 Dated: 22nd June 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	851	2	436402 408750
	Nearest Surface Water Feature	A13NE (E)	40	-	436543 409668
17	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Carlton Beck At, Carlton Industrial Estate Authority: Environment Agency, North East Region Pollutant: Chemicals - Unknown Note: No Fish Killed Incident Date: 11th April 1997 Incident Reference: SH970120 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	40	1	436500 409700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Carlton Beck At Springbank, Close Cso, CARLTON Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 14th June 1996 Incident Reference: SH960280 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	85	1	436405 409795
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Carlton Beck At, Springbank Close Cso, CARLTON Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 14th June 1996 Incident Reference: SH960280 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	87	1	436400 409795
18	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Chemicals - Resins Note: Not Supplied Incident Date: 19th June 1989 Incident Reference: 100324 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	92	1	436400 409800
19	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Carlton Beck Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Pollution Found; Fish Killed: No Information Incident Date: 8th February 1996 Incident Reference: SH960056 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	100	1	436500 409500
19	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Carlton Beck At, Carlton Industrial Estate Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 29th September 1997 Incident Reference: SH970527 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	105	1	436500 409495
19	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Carlton Beck Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Fish Killed: No Information Incident Date: 8th February 1996 Incident Reference: SH960056 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	106	1	436505 409495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 1st November 1990 Incident Reference: 116338 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	105	1	436500 409800
21	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Carlton Beck Near, MYDRIN Authority: Environment Agency, North East Region Pollutant: Other Sewage Note: Fish Killed: No Information Incident Date: 24th September 1997 Incident Reference: SH970515 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	119	1	436600 409700
22	**Pollution Incidents to Controlled Waters** Property Type: Farm Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Vegetation/Cuttings Note: Not Supplied Incident Date: 30th June 1994 Incident Reference: 152786 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	151	1	436300 409800
23	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 9th September 1993 Incident Reference: 147765 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	152	1	436600 409500
24	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Spring Lane Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Not Supplied Incident Date: 20th January 1989 Incident Reference: 6724 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	187	1	436400 409900
25	**Pollution Incidents to Controlled Waters** Property Type: Fire Water Location: Carlton Beck Authority: Environment Agency, North East Region Pollutant: Not Given Note: Fish Killed: No Information Incident Date: 3rd May 1997 Incident Reference: SH970218 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	207	1	436700 409700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Stream At, Carlton, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Pollution Found; No Fish Killed Incident Date: 24th September 1996 Incident Reference: SH960426 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	289	1	436200 409895
26	**Pollution Incidents to Controlled Waters** Property Type: Other Farming Location: Carlton Beck At, Memorial Park, Athersley Authority: Environment Agency, North East Region Pollutant: Other Note: Pollution Found; No Fish Killed Incident Date: 8th July 1996 Incident Reference: SH960297 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	293	1	436200 409900
27	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd July 1991 Incident Reference: 123971 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	316	1	436301 410001
28	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Carlton Industrial Estate Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 27th October 1995 Incident Reference: SH950154 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	321	1	436600 409300
29	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 9th January 1992 Incident Reference: 129515 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	407	1	436000 409700
30	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Carlton Beck Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 13th May 1997 Incident Reference: SH970214 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	435	1	436800 409300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Dyke At Fish Dam Lane, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 10th August 1995 Incident Reference: SH950043 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	438	1	436800 409295
31	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 20th August 1992 Incident Reference: 135872 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	721	1	436300 408900
32	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 29th June 1990 Incident Reference: 112202 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	789	1	437201 410001
33	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Carlton Industrial Estate, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: No Fish Killed Incident Date: 14th September 1995 Incident Reference: SH950033 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	818	1	436300 408800
34	**Prosecutions Relating to Controlled Waters** Location: Fish Dam Lane, Carlton Marsh, BARNSLEY, South Yorkshire, S71 2PX Prosecution Text: EA News Release 14/11/1997, Allowing 1 tonne of Sorbitol (a sugar solution) to enter Cudworth Dyke on 24/10/1997. Prosecution Act: WRA91 Hearing Date: 13th November 1997 Verdict: Guilty Fine: 5000 Cost: 2195 Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	472	1	436800 409250
35	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 19th May 2005 Incident Reference: 313795 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: Crude Sewage	A13NW (N)	176	1	436425 409892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 18th August 2005 Incident Reference: 339263 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Smoke Pollutant: General Biodegradable : Other	A14NE (E)	968	1	437464 409775
	Water Abstractions Operator: Redfearn Brothers Limited Licence Number: 2/27/08/045 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Sherwood Sandstone Licence 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	A4NE (SE)	1313	1	437200 408500
	Water Abstractions Operator: Redfearn Brothers Limited Licence Number: 2/27/08/044 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3928 Yearly Rate (m3): 1433627 Details: Licence 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	A4NE (SE)	1317	1	437200 408495
	Water Abstractions Operator: Redfearn Brothers Ltd Licence Number: 2/27/08/043 Permit Version: Not Supplied Location: Monk Bretton Glass Works, Monk Bretton, BARNSLEY Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Borehole; 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	A4NE (SE)	1320	1	437205 408495
	Water Abstractions Operator: Northern Strip Mining Limited Licence Number: 2/27/08/094 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 32000 Details: Licence Lapsed 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	A10SE (SE)	1619	1	437900 408800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Northern Strip Mining Limited Licence Number: 2/27/08/096 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 32000 Details: Licence 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	A10SE (SE)	1622	1	437900 408795
	Water Abstractions Operator: Burnett & Hallamshire Fuel Limited Licence Number: 2/27/08/100 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 140 Yearly Rate (m3): 35280 Details: Licence 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	A25SW (NE)	1689	1	437680 410860
	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 11 South Pennines Scale: 1:100,000	A13NE (NW)	0	1	436457 409657
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13NE (NW)	0	3	436457 409657
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	3	436457 409657
	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				
37	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NE (E)	40	1	436543 409668

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NE (NE)	94	1	436509 409777
39	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13SE (SE)	141	1	436583 409500
40	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (N)	179	1	436416 409894
41	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	207	1	436350 409904
42	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	229	1	436251 409861
43	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	266	1	436173 409819

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	300	1	436202 409912
45	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	309	1	436189 409912
46	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	373	1	436702 409299
47	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	374	1	436650 409264
48	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	380	1	436724 409307
49	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (S)	383	1	436613 409239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (S)	392	1	436595 409224
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Historical Landfill Sites** Licence Holder: Lyons Bakery Location: Fish Dam Lane, Carlton, Barnsley Name: Lyons Bakery Operator Location: Fish Dam Lane, Carlton, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04381 First Input Date: 31st October 1985 Last Input Date: 7th May 1986 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0443 BGS Ref: Not Supplied Other Ref: WD20 B491, 4400/B491, 20B491(40)	A14SW (E)	340	1	436846 409607
52	**Licensed Waste Management Facilities (Locations)** Licence Number: 60597 Location: Albion Road, Carlton, Barnsley, South Yorkshire, S71 3PL Operator Name: Noveon U K Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Physico-chemical Treatment Facilities **Licence Status: Surrendered** Issued: 21st July 1992 Last Modified: 27th May 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 19th July 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	151	1	436560 409470
53	**Licensed Waste Management Facilities (Locations)** Licence Number: 60596 Location: 418 Carlton Road, Carlton, Barnsley, South Yorkshire, S71 3HX Operator Name: Glass Recycling (U K) Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 24th March 1992 Last Modified: 22nd April 2010 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	151	1	436300 409800
54	**Licensed Waste Management Facilities (Locations)** Licence Number: 65300 Location: 418 Carlton Road, Carlton, Barnsley, South Yorkshire, S71 3HX Operator Name: Glass Recycling (U K) Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Physical Treatment Facilities **Licence Status: Modified** Issued: 18th May 2005 Last Modified: 22nd April 2010 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	220	1	436187 409697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Licensed Waste Management Facilities (Locations)** Licence Number: 103797 Location: Units 27 & 28 Wharncliffe Business Park, Longfields Road, Carlton, Barnsley, South Yorkshire, S71 3HT Operator Name: J Blackburn & Sons Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal recycling site **Licence Status: Issued** Issued: 23rd March 2012 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	620	1	435787 409679
56	**Licensed Waste Management Facilities (Locations)** Licence Number: 65393 Location: Unit 17, Middlewoods Way, Wharncliffe Business Park, Barnsley, South Yorkshire, S71 3HR Operator Name: M E L (uk) Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Mobile Plant **Licence Status: Transferred** Issued: 9th February 2005 Last Modified: 10th June 2008 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the address or location	A12SW (W)	637	1	435778 409592
57	**Licensed Waste Management Facilities (Locations)** Licence Number: 102419 Location: Unit 1-3, Shawfield Road, Carlton Industrial Estate, Barnsley, South Yorks, S71 3HS Operator Name: O' Donnell Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 5th August 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	799	1	436540 408801
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	2	436457 409657
58	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 40 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14SW (E)	340	2	436847 409608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**Registered Landfill Sites** Licence Holder: Lyons Bakery Licence Reference: WD20 B 491 Site Location: Fish Dam Lane, Carlton, BARNSLEY, South Yorkshire, S71 3HQ Licence Easting: 436900 Licence Northing: 409600 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1985 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials $ Hardcore And Rubble Prohibited Waste: Asbestos Biodegradable/Putrescible Waste Combustible/Potentially Combustible Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A14SW (E)	394	1	436900 409600
60	**Registered Landfill Sites** Licence Holder: E J Lidster Construction Ltd Licence Reference: WD20 B 427 MOD 3 Site Location: Pools Lane, Royston, Barnsley, South Yorkshire Licence Easting: 437340 Licence Northing: 410090 Operator Location: Arunden House, Lund Lane, Burton Green, BARNSLEY, South Yorkshire, S71 5PA Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Site Closed Dated: 16th May 1984 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excav'N Waste, Soil, Subsoil Ind. Non-Haz. Inert, Non-Flammable Non-Haz. Household/Com. Waste Prohibited Waste: All Forms Of Asbestos Liq/Slurry In Drum/Cont'Rs > 4 L Cap'Y	A19SE (NE)	953	1	437340 410090
61	**Registered Waste Transfer Sites** Licence Holder: Barnsley Waste Disposals Ltd Licence Reference: WD20 B 844 MOD 3 Site Location: 418 Carlton Road, Carlton, BARNSLEY, South Yorkshire, S71 3HX Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st March 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Contam.Denatured Alcohols Max.Stor Glass Max.Stor Max.Storage Max.Waste Permitted By Licence Paper/Cardboard/Plastic Max.Stor Prohibited Waste: Liqs With Flash Pt < 55 C Waste N.O.S.	A13NW (W)	207	1	436200 409680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	**Registered Waste Transfer Sites** Licence Holder: Glass Recycling (Uk) Ltd Licence Reference: WD20 R 844 MOD 1 Site Location: 418 Carlton Road, Carlton, BARNSLEY, South Yorkshire, S71 3HX Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st March 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Contam./Denatured Alcohol M.Stor Glass M.Stor Max.Storage In Licence Paper/Cardboard M.Stor Plastics	A12SE (W)	401	1	436025 409569
63	**Registered Waste Treatment or Disposal Sites** Licence Holder: Mydrin Ltd Licence Reference: WD20 B 852 MOD 3 Site Location: Albion Road, Carlton Industrial Estate, Carlton, BARNSLEY, South Yorkshire, S71 3PL Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer - with treatment Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st August 1995 Preceded By Licence: WD20 B 852 Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Aqueous Synthetic Polymer Waste Max.Storage In Licence Max.Waste Permitted By Licence Prohibited Waste: Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A13SE (SE)	151	1	436560 409470
63	**Registered Waste Treatment or Disposal Sites** Licence Holder: Mydrin Ltd Licence Reference: WD20 B 852 Site Location: Albion Road, Carlton Industrial Estate, Carlton, BARNSLEY, South Yorkshire, S71 3PL Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer - with treatment Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st July 1992 Preceded By Licence: Not Given Superseded By Licence: WD20 B 852 MOD 3 Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Caustic Soda Hydrochloric Acid Latex Lime Max.Storage Of These Acids Max.Storage Of These Alkalis Max.Storage Of These Wastes Max.Total Storage Sulphuric Acid Synthetic Adhesive Wastes	A13SE (SE)	151	1	436560 409470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Control of Major Accident Hazards Sites (COMAH)** Name: Manor Bakeries Ltd Location: Fish Dam Lane, Barnsley, South Yorkshire, S71 3HQ Reference: 1021665 Type: Lower Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	404	4	436894 409742
65	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Manor Bakeries Limited Location: Fish Dam Lane, Carlton, BARNSLEY, South Yorkshire, S71 3HQ **Status: Record Ceased To Be Supplied Under NIHHS Regulations (1982)** Positional Accuracy: Automatically positioned to the road within the address	A14NW (E)	402	4	436894 409737
66	**Planning Hazardous Substance Consents** Name: Manor Bakeries Ltd (T/A Lyons Cakes) Location: Fish Dam Lane, Carlton, Barnsley, South Yorkshire, S71 3hq Authority: Barnsley Metropolitan Borough Council, Planning Department Application Ref: Hsc/92/1 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 150 Application date: 29th June 1992 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	399	5	436883 409760
67	**Planning Hazardous Substance Consents** Name: Castlegas Location: Plot 3 Shawfield Road, Carlton Industrial Estate, BARNSLEY, South Yorkshire, S71 3 Authority: Barnsley Metropolitan Borough Council, Planning Department Application Ref: HSC/02/0001/BA Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 199 Application date: 20th May 2002 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	655	5	436493 408943

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lower Westphalian (mainly Productive Coal Measures)	A13NE (NW)	0	3	436457 409657
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	0	6	436452 409657
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NW)	0	6	436457 409657
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	25	6	436481 409728
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	113	6	436582 409537
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	121	6	436615 409571
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	128	6	436328 409794

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	129	6	436306 409773
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	284	6	436457 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	291	6	436634 409351
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (NW)	360	6	436215 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	380	6	436694 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	383	6	436695 410000

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	407	6	436000 409657
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	435	6	436000 409848
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SW)	475	6	436000 409448
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	493	6	437000 409657
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	510	6	436000 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SW)	535	6	436000 409344

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	546	6	435872 409577
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SE (NW)	562	6	436000 410080
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	588	6	437000 409306
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (S)	598	6	436457 409000
	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: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	607	6	437000 409271
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	617	6	436998 410000

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	619	6	437000 410001
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	619	6	436999 410001
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	619	6	437000 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	620	6	437000 410002
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	632	6	437000 409227
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	713	6	436000 410279

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	728	6	437131 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	738	6	436048 409000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	767	6	436000 409000
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	792	6	437000 409000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	798	6	436897 410369
	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 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7SE (SW)	803	6	436000 408954

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	828	6	437126 409073
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	831	6	437000 410327
	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 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	838	6	437070 409000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (W)	859	6	435605 410000
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SW (SE)	870	6	437000 408901
	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: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NE (SE)	872	6	437301 409266

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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SE (SW)	906	6	435920 408885
	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 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	977	6	436891 410581
68	**BGS Recorded Mineral Sites** Site Name: Carlton Clay Pit Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26008 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Mid Pleistocene Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	271	3	436189 409855
69	**BGS Recorded Mineral Sites** Site Name: Carlton Clay Pit Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26004 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Mid Pleistocene Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (W)	284	3	436123 409710
70	**BGS Recorded Mineral Sites** Site Name: Carlton Location: , Athersley North, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 102741 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	395	3	436081 409469
71	**BGS Recorded Mineral Sites** Site Name: Wharncliffe Woodmoor Colliery Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13302 Type: Underground **Status: Ceased** Operator: Ncb North Yorkshire Area Operator Location: Ncb North Yorkshire Area, Po Box 13, Allerton Bywater, Castleford, West Yorkshire, Wf10 2al Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (W)	423	3	435985 409660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**BGS Recorded Mineral Sites** Site Name: Carlton Quarry Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109928 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	440	3	436903 409435
73	**BGS Recorded Mineral Sites** Site Name: Carlton Clay Pit Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26003 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Mid Pleistocene Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	485	3	435933 409590
74	**BGS Recorded Mineral Sites** Site Name: Wharncliffe Woodmoor Location: , Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13301 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	501	3	436115 410100
75	**BGS Recorded Mineral Sites** Site Name: Carlton Location: Cronkhill Lane, Carlton, Wakefield, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103061 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18SE (N)	612	3	436707 410266
76	**BGS Recorded Mineral Sites** Site Name: Carlton Location: , Athersley North, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103461 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	848	3	435563 409780
77	**BGS Recorded Mineral Sites** Site Name: Cronk Hill Location: Cronk Hill Lane, Carlton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26006 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	979	3	436964 410542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 (NW)	0	7	436457 409657
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NW)	0	-	436457 409657
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	26	3	436481 409729
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	112	3	436581 409537
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	121	3	436615 409572
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	436470 409669
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	161	3	436285 409799
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	223	3	436587 409402
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	159	3	436622 409513
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	3	436494 409644
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	57	3	436557 409675
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	217	3	436210 409603
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	223	3	436587 409402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	49	3	436541 409682
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	57	3	436557 409675
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	109	3	436600 409569
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	112	3	436334 409779
	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 (NW)	0	3	436457 409657
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	3	436457 409657

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**Contemporary Trade Directory Entries** Name: Wormald Doors Location: Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Door Manufacturers - Industrial **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	12	-	436517 409619
78	**Contemporary Trade Directory Entries** Name: Frost-It (Gb) Ltd Location: Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Glass Engravers & Decorators **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	13	-	436517 409618
79	**Contemporary Trade Directory Entries** Name: Kirk & Cranston Ltd Location: Unit 15b, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Joinery Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	16	-	436475 409694
79	**Contemporary Trade Directory Entries** Name: Tyco Fire & Integrated Solutions Location: Carlton Industrial Estate, Albion Road, Carlton, BARNSLEY, South Yorkshire, S71 3HW Classification: Door Manufacturers - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	45	-	436478 409738
79	**Contemporary Trade Directory Entries** Name: Decorative Coatings Ltd Location: Unit 71 Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Glass Engravers & Decorators **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	66	-	436519 409718
80	**Contemporary Trade Directory Entries** Name: D-Grease Location: Unit 71,Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Oil Recycling & Disposal Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	32	-	436406 409732
81	**Contemporary Trade Directory Entries** Name: Tds Ltd Location: Unit 95, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Motor Cycle Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	35	-	436419 409746
81	**Contemporary Trade Directory Entries** Name: Carlton Village Service Station Location: Carlton Road, Barnsley, South Yorkshire, S71 3HX Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	82	-	436389 409783
81	**Contemporary Trade Directory Entries** Name: S L S Coatings Location: Unit 87, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Powder Coatings **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	92	-	436415 409806
82	**Contemporary Trade Directory Entries** Name: Renner Powder Metallurgy Ltd Location: Carlton Ind Est,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Metal Finishing Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	42	-	436373 409668
82	**Contemporary Trade Directory Entries** Name: Euroglaze Location: Unit 6, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Window Frame Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	69	-	436339 409679

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**Contemporary Trade Directory Entries** Name: Lubrizol Uk Ltd Location: Carlton Industrial Estate, Albion Road, Carlton, BARNSLEY, South Yorkshire, S71 3HW Classification: Chemicals & Allied Products **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A13SE (S)	66	-	436462 409535
83	**Contemporary Trade Directory Entries** Name: Keeler Ltd Location: Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Medical Instruments - Manufacturers **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (S)	82	-	436420 409542
84	**Contemporary Trade Directory Entries** Name: Shaws Petroleum Ltd Location: Carlton Village Service Station, Carlton Road, BARNSLEY, South Yorkshire, S71 3HX Classification: Petrol Filling Stations - 24 Hour **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	109	-	436318 409756
84	**Contemporary Trade Directory Entries** Name: Poly-Mould Location: Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Rubber & Plastic Products - Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	115	-	436296 409724
85	**Contemporary Trade Directory Entries** Name: Key Autos Location: Unit 10C, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Car Dealers - Used **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	113	-	436353 409578
85	**Contemporary Trade Directory Entries** Name: Sliding Solutions Location: Unit 9D,Carlton Ind Est,Albion Rd, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Door Manufacturers - Domestic **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	133	-	436353 409544
86	**Contemporary Trade Directory Entries** Name: J M Auto Location: Unit 10a, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	113	-	436339 409595
86	**Contemporary Trade Directory Entries** Name: Myford Emporium Ltd Location: Unit 10a, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Engineering Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	113	-	436339 409595
87	**Contemporary Trade Directory Entries** Name: E And S Swift Location: Unit 13, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Garage Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	132	-	436280 409652
88	**Contemporary Trade Directory Entries** Name: Motorcare Location: Carlton Rd, Barnsley, South Yorkshire, S71 3HX Classification: Garage Services **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	136	-	436349 409820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**Contemporary Trade Directory Entries** Name: Carlton Motor Sport Location: Unit 12, Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	190	-	436255 409579
90	**Contemporary Trade Directory Entries** Name: Glass Recycling (Uk) Ltd Location: 418, Carlton Road, Barnsley, South Yorkshire, S71 3HX Classification: Recycling Centres **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A13NW (W)	207	-	436200 409683
91	**Contemporary Trade Directory Entries** Name: Peglr Yorkshire Ltd Location: Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	223	-	436344 409421
92	**Contemporary Trade Directory Entries** Name: A G M Sports Cars Ltd Location: Unit 10, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Glass Fibre Moulding, Materials & Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (S)	227	-	436465 409372
92	**Contemporary Trade Directory Entries** Name: P & C Mouldings Ltd Location: Unit 8-9, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Glass Fibre Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	233	-	436470 409365
92	**Contemporary Trade Directory Entries** Name: Moorland Plastics Location: Unit 2 Industry Rd, Barnsley, South Yorkshire, S71 3PQ Classification: Plastics - Injection Moulding **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	255	-	436432 409347
92	**Contemporary Trade Directory Entries** Name: Smart Solutions Protective Coatings Ltd Location: Unit 1, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Coating Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	256	-	436432 409347
92	**Contemporary Trade Directory Entries** Name: Royston Co Ltd Location: Unit 1, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Window Frames - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	256	-	436432 409347
92	**Contemporary Trade Directory Entries** Name: Fencing Centre The Location: Unit 2, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Fencing Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	262	-	436435 409339
92	**Contemporary Trade Directory Entries** Name: T Pack Ltd Location: Unit 2, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	262	-	436435 409339
92	**Contemporary Trade Directory Entries** Name: V.L.S Ltd Location: Unit 2, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (S)	262	-	436435 409339

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**Contemporary Trade Directory Entries** Name: V L S Location: Unit 2, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	262	-	436435 409339
92	**Contemporary Trade Directory Entries** Name: Albion Transmission Location: Unit 5, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	281	-	436450 409318
93	**Contemporary Trade Directory Entries** Name: Saab Specialists Location: Carlton Rd, Barnsley, South Yorkshire, S71 3HX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	231	-	436186 409625
94	**Contemporary Trade Directory Entries** Name: Heritage Timbers Location: 428, Carlton Road, Barnsley, South Yorkshire, S71 3HX Classification: Architectural Woodwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	259	-	436149 409664
94	**Contemporary Trade Directory Entries** Name: Apollo Cradles Ltd Location: 428, Carlton Road, Barnsley, South Yorkshire, S71 3HX Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	259	-	436149 409664
95	**Contemporary Trade Directory Entries** Name: Wentworth Engineering Ltd Location: Carlton Industrial Estate, Albion Road, Carlton, Barnsley, South Yorkshire, S71 3HW Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	264	-	436240 409477
95	**Contemporary Trade Directory Entries** Name: Darcher Refinishing Location: Unit 1,Plot 17 Industry Rd, Barnsley, South Yorkshire, S71 3LJ Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	290	-	436242 409431
96	**Contemporary Trade Directory Entries** Name: P Shepherd Location: Carlton Rd, Barnsley, South Yorkshire, S71 3HX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	271	-	436163 409573
96	**Contemporary Trade Directory Entries** Name: Royston Glass Ltd Location: Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Glass Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	272	-	436179 409545
97	**Contemporary Trade Directory Entries** Name: Cranes & Equipment Ltd Location: Unit 21, Shawfield Road, Barnsley, South Yorkshire, S71 3HS Classification: Plant & Machinery Repairs **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	284	-	436700 409413
97	**Contemporary Trade Directory Entries** Name: Cranes & Equipment Ltd Location: Unit 1, Carlton Industrial Estate, Shawfield Road, Barnsley, South Yorkshire, S71 3HS Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	284	-	436700 409413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	**Contemporary Trade Directory Entries** Name: J Cutts & Son Location: Carlton Industrial Estate, Shawfield Road, Barnsley, South Yorkshire, S71 3HS Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	284	-	436700 409413
98	**Contemporary Trade Directory Entries** Name: K A R Truck Services Location: Unit 14, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	286	-	436517 409314
98	**Contemporary Trade Directory Entries** Name: Nationwide Radiators Location: Unit 14, Industry Road, Carlton, Barnsley, South Yorkshire, S71 3PQ Classification: Central Heating Supplies & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	286	-	436517 409314
99	**Contemporary Trade Directory Entries** Name: Period Gates Location: 424, Carlton Road, Barnsley, South Yorkshire, S71 3HX Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	309	-	436112 409600
100	**Contemporary Trade Directory Entries** Name: Tms Gas Location: 20, Manor Farm Close, Barnsley, South Yorkshire, S71 3EH Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	363	-	436719 409944
101	**Contemporary Trade Directory Entries** Name: Gist Ltd Location: Industry Road, Barnsley, South Yorkshire, S71 3LJ Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	366	-	436210 409351
101	**Contemporary Trade Directory Entries** Name: D Archer Location: Industry Road, Barnsley, South Yorkshire, S71 3LJ Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	366	-	436210 409351
102	**Contemporary Trade Directory Entries** Name: Leasemaster Vehicle Solutions Location: Woodmoor Court,Unit 11 Wharncliffe Business Park,Longfields, Carlton, Barnsley, South Yorkshire, S71 3HT Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	390	-	436626 410058
103	**Contemporary Trade Directory Entries** Name: Lloyd Fraser Contract Ltd Location: Fish Dam Lane, Barnsley, South Yorkshire, S71 3HQ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	404	-	436894 409742
104	**Contemporary Trade Directory Entries** Name: Pot Of Gold International Location: 275 Carlton Rd, Barnsley, South Yorkshire, S71 3HX Classification: Cosmetic Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	465	-	436007 409454
105	**Contemporary Trade Directory Entries** Name: Old Forge Garage Location: 6 Shaw La, Carlton, Barnsley, South Yorkshire, S71 3HG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	505	-	436851 410006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	**Contemporary Trade Directory Entries** Name: Gd Gaskets & Seals Location: 12, St. Francis Boulevard, Barnsley, South Yorkshire, S71 2SL Classification: Seal & Joint Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	538	-	436786 409156
107	**Contemporary Trade Directory Entries** Name: Hoselines Ltd Location: 7 Longfields Rd, Barnsley, South Yorkshire, S71 3HT Classification: Hose, Tubing & Fittings **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	543	-	435880 409560
108	**Contemporary Trade Directory Entries** Name: Hanson Premix Location: Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Concrete & Mortar Ready Mixed **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	561	-	436482 409037
108	**Contemporary Trade Directory Entries** Name: Transmap Location: Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Road Haulage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	580	-	436484 409018
108	**Contemporary Trade Directory Entries** Name: Cranes & Equipment Location: Unit 21,Carlton Ind Est,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Crane Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	582	-	436486 409016
108	**Contemporary Trade Directory Entries** Name: Castlegaz Location: Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	606	-	436488 408992
109	**Contemporary Trade Directory Entries** Name: J Blackburn & Sons Ltd Location: Unit 27 & 28 Wharncliffe Business Park,Longfields Rd, Barnsley, South Yorkshire, S71 3HT Classification: Scrap Metal Merchants **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	564	-	435848 409618
110	**Contemporary Trade Directory Entries** Name: Industrial Door Solutions Ltd Location: 9, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Door Manufacturers - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	569	-	435880 409477
110	**Contemporary Trade Directory Entries** Name: Gas Appliance Spares Ltd Location: 10, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Heating Equipment - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	569	-	435880 409477
111	**Contemporary Trade Directory Entries** Name: Door To Door Ltd Location: Unit 3 Humberside Way, Barnsley, South Yorkshire, S71 3RN Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	593	-	435934 409334
112	**Contemporary Trade Directory Entries** Name: Crg Sports Ltd Location: Unit 18 Lowfields Court,Middlewoods Way, Barnsley, South Yorkshire, S71 3HR Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	596	-	435824 409566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	**Contemporary Trade Directory Entries** Name: Global Seals Direct Location: Unit 8 Middlewoods Way, Barnsley, South Yorkshire, S71 3HR Classification: Seal & Joint Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	606	-	435815 409560
112	**Contemporary Trade Directory Entries** Name: Resitex Ltd Location: Unit 1, Middlewoods Way, Barnsley, South Yorkshire, S71 3HR Classification: Paint Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	623	-	435806 409530
113	**Contemporary Trade Directory Entries** Name: Samurai Transport Ltd Location: Unit 7, Barkston Road, Barnsley, South Yorkshire, S71 3HU Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	601	-	436314 409020
113	**Contemporary Trade Directory Entries** Name: Appleton Concrete Ltd Location: 6 Barkston Rd, Barnsley, South Yorkshire, S71 3HU Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	612	-	436342 409002
114	**Contemporary Trade Directory Entries** Name: Kestral Coatings Techology Location: Barkston Rd, Barnsley, South Yorkshire, S71 3HU Classification: Powder Coatings **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	601	-	436376 409006
114	**Contemporary Trade Directory Entries** Name: Auto Cosmetics Location: Unit 10,Barkston Rd, Barnsley, South Yorkshire, S71 3HU Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	605	-	436365 409004
115	**Contemporary Trade Directory Entries** Name: Andy'S Autos Location: 57, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	602	-	436984 409994
115	**Contemporary Trade Directory Entries** Name: 1st Call Recovery Location: 57, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	602	-	436984 409994
115	**Contemporary Trade Directory Entries** Name: Acorn Aggregates Location: 57, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HG Classification: Sand, Gravel & Other Aggregates **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	602	-	436984 409994
116	**Contemporary Trade Directory Entries** Name: Dantone Location: 21, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	613	-	435797 409627
116	**Contemporary Trade Directory Entries** Name: Sms Machines & Automation Ltd Location: 22, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Automation Systems & Equipment **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	629	-	435781 409625
116	**Contemporary Trade Directory Entries** Name: Advanced Coating Robotics Location: 22, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Machine Shops **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	629	-	435782 409618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**Contemporary Trade Directory Entries** Name: Barnsley Mot Station Bms Location: 3, Longfields Court, Wharncliffe Business Park, Barnsley, South Yorkshire, S71 3GN Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	663	-	435751 409589
117	**Contemporary Trade Directory Entries** Name: Rail Access Platforms Location: 26, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Railway Equipment Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	661	-	435745 409698
117	**Contemporary Trade Directory Entries** Name: Airtronix Ltd Location: 11, Longfields Court, Wharncliffe Business Park, Barnsley, South Yorkshire, S71 3GN Classification: Pumps - Sales, Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	683	-	435727 409633
117	**Contemporary Trade Directory Entries** Name: Industrial Door Solutions Location: 24, Longfields Road, Barnsley, South Yorkshire, S71 3HT Classification: Door Manufacturers - Industrial **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	685	-	435722 409675
117	**Contemporary Trade Directory Entries** Name: Oiltek Ltd Location: 12 Longfields Ct,Wharncliffe Business Pk, Barnsley, South Yorkshire, S71 3GN Classification: Hydraulic Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	687	-	435722 409638
118	**Contemporary Trade Directory Entries** Name: Stackshaw Ltd Location: Unit 1-2,Carlton Ind Est,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Concrete Products **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	670	-	436496 408928
119	**Contemporary Trade Directory Entries** Name: Pinnacle Building Care Location: Longfields Court, Barnsley, South Yorkshire, S71 3GN Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	692	-	435723 409584
119	**Contemporary Trade Directory Entries** Name: The Watercooler Warehouse Ltd Location: Unit 22,Longfields Ct,Wharncliffe Business Pk, Barnsley, South Yorkshire, S71 3GN Classification: Water Coolers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	729	-	435683 409606
120	**Contemporary Trade Directory Entries** Name: Cosmetic Auto Repairs Location: 53, Lynwood Drive, Barnsley, South Yorkshire, S71 3EJ Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (NW)	700	-	436146 410353
120	**Contemporary Trade Directory Entries** Name: Chips Away Location: Lynwood Dr, Barnsley, South Yorkshire, S71 3EJ Classification: Car Body Repairs **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (NW)	721	-	436134 410370
121	**Contemporary Trade Directory Entries** Name: Triple Engineering Yorkshire Ltd Location: Unit 7, Humberside Way, Barnsley, South Yorkshire, S71 3RN Classification: Staircase, Balustrade & Handrail Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	709	-	436565 408894

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**Contemporary Trade Directory Entries** Name: F & G Commercials Ltd Location: Shawfield Road, BARNSLEY, South Yorkshire, S71 3HS Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	720	-	436191 408939
123	**Contemporary Trade Directory Entries** Name: Optimum Motor Co Ltd Location: Longfields House,Longfields Ct,Wharncliffe Business Pk, Barnsley, South Yorkshire, S71 3GN Classification: Car Dealers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	721	-	435701 409542
123	**Contemporary Trade Directory Entries** Name: Funky Frog Design Location: Longfields House,Longfields Ct,Wharncliffe Business Pk, Barnsley, South Yorkshire, S71 3GN Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	728	-	435694 409544
124	**Contemporary Trade Directory Entries** Name: Cranes (Uk) Ltd Location: Unit 21,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Crane Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	740	-	436505 408858
125	**Contemporary Trade Directory Entries** Name: Barnsley Carpet Cleaners Location: 19, Fylde Close, Barnsley, South Yorkshire, S71 2SN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	762	-	436727 408878
126	**Contemporary Trade Directory Entries** Name: Chem-Dry Pennine Valley Location: 60, Lynwood Drive, Barnsley, South Yorkshire, S71 3ES Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	810	-	436155 410476
127	**Contemporary Trade Directory Entries** Name: Excel Service Centre Location: Carlton Ind Est,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	814	-	436586 408791
128	**Contemporary Trade Directory Entries** Name: Chem-Dry Pennine Valley Location: Lynwood Dr, Barnsley, South Yorkshire, S71 3ES Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	819	-	436259 410516
129	**Contemporary Trade Directory Entries** Name: Appleton Concrete Ltd Location: Unit 6, Barkston Road, Barnsley, South Yorkshire, S71 3HU Classification: Concrete & Mortar Ready Mixed **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	828	-	436297 408790
130	**Contemporary Trade Directory Entries** Name: Nigg Plant Ltd Location: Unit 21,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	861	-	436517 408738
131	**Contemporary Trade Directory Entries** Name: Nanoflam Location: Unit C6,Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Chemical Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	875	-	436362 408731

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**Contemporary Trade Directory Entries** Name: B & J Ironworks Location: 4, Derwent Crescent, Barnsley, South Yorkshire, S71 3QU Classification: Wrought Ironwork **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	887	-	435671 409197
133	**Contemporary Trade Directory Entries** Name: Geoff Clegg Ltd Location: Unit 5, Carlton Industrial Estate, Shawfield Road, Barnsley, South Yorkshire, S71 3HS Classification: Lifting Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	910	-	436439 408689
133	**Contemporary Trade Directory Entries** Name: Ksr Logistics Location: Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	930	-	436453 408668
134	**Contemporary Trade Directory Entries** Name: Precision Engineering Location: Shawfield Road, Barnsley, South Yorkshire, S71 3HS Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	935	-	436226 408698
135	**Contemporary Trade Directory Entries** Name: B & J Iron Works Location: 36, Hardwick Crescent, Barnsley, South Yorkshire, S71 3QZ Classification: Gate Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	948	-	435639 409138
135	**Contemporary Trade Directory Entries** Name: House Proud Location: 37, Hardwick Crescent, Barnsley, South Yorkshire, S71 3QZ Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	972	-	435640 409096
136	**Contemporary Trade Directory Entries** Name: Gordon Jopling Food Ingredients Ltd Location: Carlton Industrial Estate, Shawfield Road, BARNSLEY, South Yorkshire, S71 3HS Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	972	-	436565 408630
137	**Contemporary Trade Directory Entries** Name: Tapcoenpro International Location: Shawfield Rd, Barnsley, South Yorkshire, S71 3HS Classification: Engineers - General **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A3NW (S)	985	-	436232 408644
138	**Fuel Station Entries** Name: Co-Op Carlton Village Location: Carlton Village Service Station, Carlton Road, Barnsley, South Yorkshire, S71 3HX Brand: Total Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	116	-	436308 409754

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	**Areas of Adopted Green Belt** Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan **Status: Adopted** Plan Date: 31st December 2000	A13NW (NW)	141	5	436314 409799
140	**Nitrate Vulnerable Zones** Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (NW)	0	10	436457 409657

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	July 2013	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	February 2014	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	February 2014	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	April 2014	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	April 2014	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	As notified
Registered Radioactive Substances		
Environment Agency - North East Region	February 2014	Quarterly
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 East Region - Ridings Area	February 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	February 2014	Quarterly
Water Abstractions		
Environment Agency - North East Region	December 2014	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	February 2014	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones		
Environment Agency - Head Office	December 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2014	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2014	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2014	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	February 2014	Quarterly
Flood Defences		
Environment Agency - Head Office	February 2014	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	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 - North East Region - Ridings Area	February 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	February 2014	Quarterly
Environment Agency - South East Region - Kent & South London Area	February 2014	Quarterly
Environment Agency - South East Region - North East Thames Area	February 2014	Quarterly
Environment Agency - South East Region - Solent & South Downs Area	February 2014	Quarterly
Environment Agency - South East Region - West Thames Area	February 2014	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Ridings Area	February 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	February 2014	Quarterly
Environment Agency - South East Region - Kent & South London Area	February 2014	Quarterly
Environment Agency - South East Region - North East Thames Area	February 2014	Quarterly
Environment Agency - South East Region - Solent & South Downs Area	February 2014	Quarterly
Environment Agency - South East Region - West Thames Area	February 2014	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	February 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	February 2014	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2014	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2013 October 2013	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2013 October 2013	Annual Rolling Update Annual Rolling Update
Geological	**Version**	**Update Cycle**
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
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	February 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2014	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	February 2014	As notified
Wakefield City Metropolitan District Council	February 2014	As notified
Areas of Unadopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	February 2014	As notified
Wakefield City Metropolitan District Council	February 2014	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2014	Bi-Annually
Environmentally Sensitive Areas		
Natural England	July 2013	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	July 2013	Bi-Annually
Marine Nature Reserves		
Natural England	July 2013	Bi-Annually
National Nature Reserves		
Natural England	January 2014	Bi-Annually
National Parks		
Natural England	January 2014	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites		
Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest		
Natural England	July 2013	Bi-Annually
Special Areas of Conservation		
Natural England	July 2013	Bi-Annually
Special Protection Areas		
Natural England	July 2013	Bi-Annually

Data Suppliers

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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
5	**Barnsley Metropolitan Borough Council - Planning Department** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
6	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
8	**Wakefield City Metropolitan District Council** Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
9	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	**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 / SEPA have a charging policy in place for enquiries.

The Coal Authority

Issued by:
The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

LANDMARK INFORMATION GROUP LIMITED
SOWTON INDUSTRIAL ESTATE
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY

Our reference:	**51000529226001**
Your reference:	**56043635_2|**
Date of your enquiry:	**08 May 2014**
Date we received your enquiry:	**08 May 2014**
Date of issue:	**08 May 2014**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

LAND WITHIN CARLTON INDUSTRIAL ESTATE, ALBION ROAD, CARLTON, BARNSLEY, SOUTH YORKSHIRE,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 8 seams of coal at 70m to 390m depth, and last worked in 1964.
Any ground movement from these coal workings should have stopped by now.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.
The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

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The property is not in an area that is likely to be affected at the surface from any planned future workings.

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

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

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

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Coal mining geology

The Authority 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.

Opencast coal mining

Past

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

Present

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

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

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.

Coal mining subsidence

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

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

The 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.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

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.

Withdrawal of support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

Working facilities orders

The property is not in an area for which 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.

Payments to owners of former copyhold land

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

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006.

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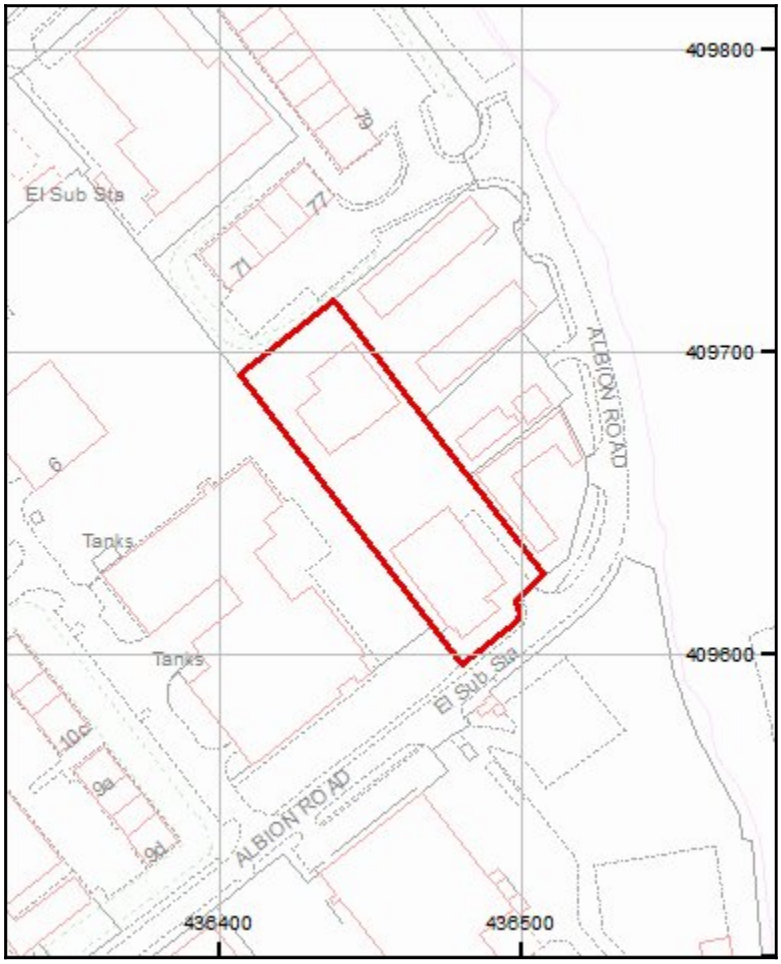
Location map

Approximate position of property



Enquiry boundary

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Key

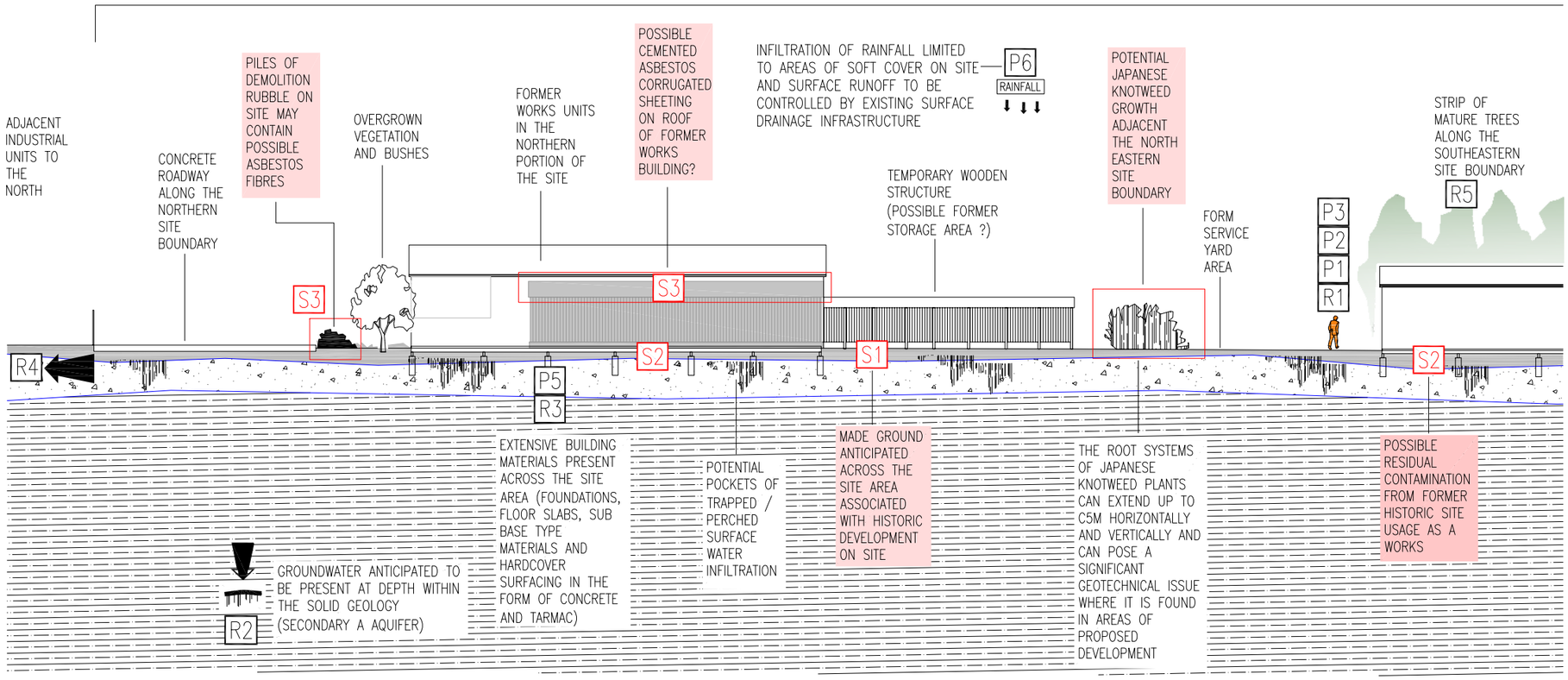
Approximate position of enquiry boundary shown

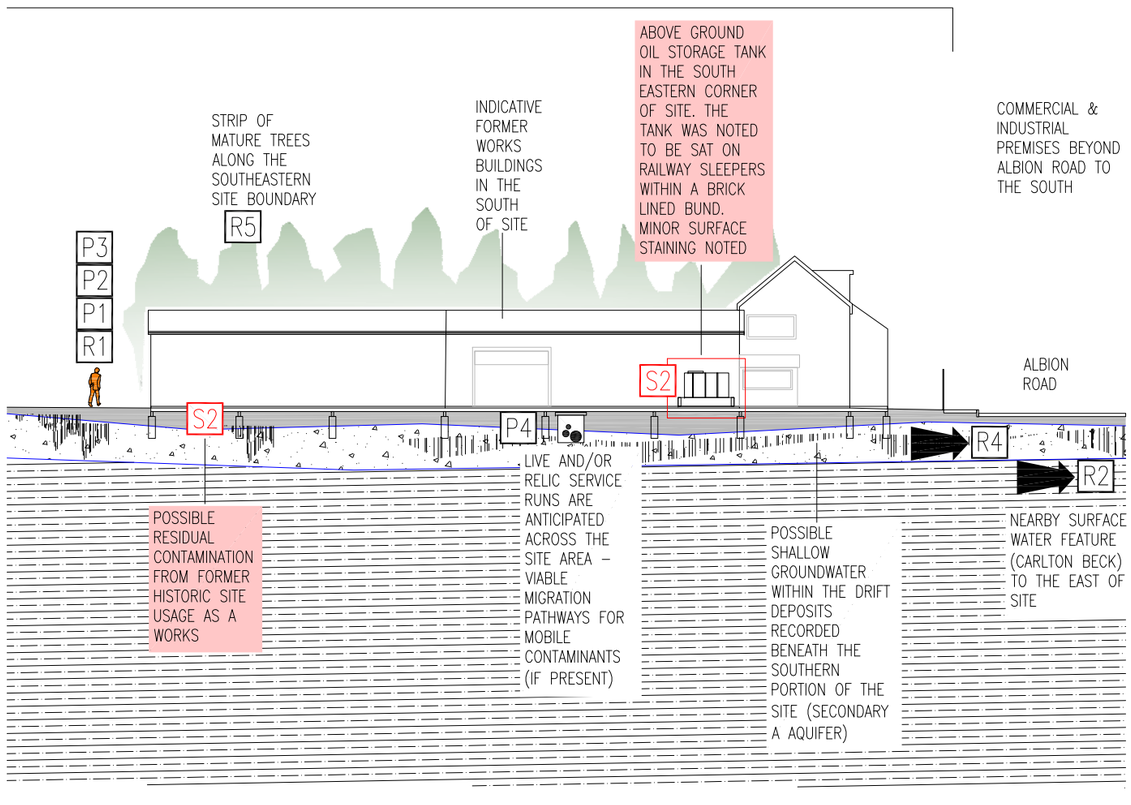
Mapping sourced from Ordnance Survey

APPENDIX IV

Conceptual Site Model (CSM)

INDICATIVE SECTION THROUGH SITE USING AN APPROXIMATE WEST THROUGH EAST ORIENTATION





STRATA DETAILS

MADE GROUND:
ACCORDING TO PUBLISHED BGS DIGITAL MAPPING, IT IS INDICATED THAT THE SITE LIES IN AN AREA WHERE MADE GROUND DEPOSITS ARE INITIALLY RECORDED. HOWEVER, BGS BOREHOLES SE30NE340 (ADJOINING TO THE NORTH–WEST) AND 341 (ADJOINING TO THE NORTH–EAST) RECORDED TOP SOIL OVERLYING NATURAL BROWN SANDY GRAVELY CLAY. AREAS OF DEMOLITION RUBBLE WERE RECORDED IN THE NORTH OF THE SITE WHICH MAY CONTAIN ASBESTOS SHEETING

DRIFT DEPOSITS:
BGS DATA INDICATES THAT MOST OF THE SITE IS LOCATED IN AN AREA COMPRISING GLACIOFLUVIAL DEPOSITS (SAND AND GRAVEL). AN AREA NOTED AS BEING FREE FROM DRIFT DEPOSITS BOUNDS THE SOUTH–EASTERN PORTION OF THE SITE. ADJACENT BGS BOREHOLES SE30NE340 AND 341 ADJOINING TO THE NORTH WEST AND NORTH EAST RECORDED BETWEEN C.1.70M AND C.1.90M OF STIFF BROWN SANDY GRAVELLY CLAY WITH SANDSTONE FRAGMENTS

SOLID GEOLOGY:
THE SOLID GEOLOGY UNDERLYING THE SITE IS SHOWN TO COMPRISE WOOLLEY EDGE ROCK (SANDSTONE UNIT) DEPOSITED THE PERIOD OF EARTH'S HISTORY KNOWN AS THE CARBONIFEROUS (MIDDLE COAL MEASURES). BGS BOREHOLE SE30NE11 RECORDED BEDROCK DEPOSITS FROM C.3.50M BELOW GROUND LEVEL

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The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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CRITICAL POLLUTANT LINKAGES

SOURCE — S
1. MADE GROUND RELATING TO THE SITES HISTORIC DEVELOPMENT (TYPE AND THICKNESS UNKNOWN AT THIS STAGE)
2. POTENTIAL FOR GROUND CONTAMINATION FROM WORKS AND IDENTIFIED ABOVE GROUND OIL STORAGE TANK (AST)
3. POTENTIAL FOR ASBESTOS CONTAINING MATERIALS TO BE PRESENT WITHIN DEMOLITION RUBBLE IN THE NORTH AND POTENTIAL CEMENTED ASBESTOS SHEETING ON THE ROOF OF THE NORTHERN STRUCTURE

PATHWAY — P
1. INGESTION
2. INHALATION OF INDOOR / OUTDOOR AIR
3. DERMAL CONTACT
4. MIGRATION THROUGH EXISTING SERVICES
5. DIRECT CONTACT WITH BUILDING MATERIALS
6. SURFACE RUNOFF

RECEPTOR — R
1. HUMAN HEALTH (WORKERS/VISITORS)
2. GROUNDWATER (SECONDARY A AQUIFER) AND NEARBY CARLTON BECK TO THE EAST OF SITE
3. BUILDING MATERIALS*
4. ADJACENT SITES
5. FLORA AND FAUNA*

rev.	date	amendments	drawn	chckd

Client:
ELEMENTS CONSTRUCTION

Project Title:
Land Within Carlton Industrial Estate
Albion Road
Carlton, Barnsley, S71 3HW

Drawing Title:
Conceptual Site Model

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	05.06.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14–256	–	–