



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park
Dencora Way
Ashford
Kent
TN23 4FG
01233 646237

**Reading Golf Club
Kidmore End Road
Reading
RG4 8SQ**

Phase 1 Contamination Risk Assessment

On behalf of Fairfax Properties



Document Reference: 12112

02/2019

air quality assessment contaminated land ecology environmental audits noise assessment
environmental impact assessments flood risk assessments geotechnical engineering ground investigation
hydrogeology noxious weeds remediation design risk assessments waste management

Site: Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ

Document Reference No: 12112

Quality Management

Prepared by:	PJ
Reviewed by:	KM
Authorised by:	KM
Date	February 2019
Revision	0

Table of Contents

1	INTRODUCTION.....	1
2	SITE LOCATION AND LAYOUT.....	1
3	SITE HISTORY	2
4	ENVIRONMENTAL SETTING	3
4.1	GEOLOGY	3
4.2	GROUNDWATER	4
4.3	RADON	4
4.4	OTHER ENVIRONMENTAL INFORMATION	5
5	SITE WALKOVER	7
6	CONTAMINATION RISK ASSESSMENT	10
6.1	CONTAMINANT SOURCES	11
6.2	RISK TO HUMAN HEALTH	12
6.3	RISKS TO WATER RESOURCES	13
6.4	RISKS TO PLANTS	13
6.5	RISKS TO BUILDINGS & SERVICES	13
6.6	WASTE DISPOSAL	13
7	GROUND STABILITY RISK ASSESSMENT	14
8	PRELIMINARY CONCEPTUAL SITE MODEL	15
9	CONCLUSIONS AND RECOMMENDATIONS.....	18

Figures

1. Site Layout Plan
2. Location of Natural Cavities

Appendices

1. Historical Maps
2. Envirocheck Report
3. Mining and Ground Stability Datasheets
4. Site Investigation Protocol

1 INTRODUCTION

Ground and Environmental Services Ltd (GES) was commissioned by Fairfax Properties to undertake a Phase 1 Contamination Risk Assessment on a proposed redevelopment site at Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ.

It was understood that the proposed end use of the site would be residential dwellings with private gardens, access roads and associated infrastructure. No specific development proposals are currently noted for the site.

The purpose of the contamination risk assessment was to provide a preliminary assessment of contamination issues based on current Contaminated Land Legislation, with reference to the sites current and historical usage.

In addition, a preliminary assessment of potential ground stability issues was undertaken with reference to the anticipated ground conditions across the site.

2 SITE LOCATION AND LAYOUT

The site is located on Kidmore End Road, approximately 1km north of the suburb of Caversham. The site is situated in a mixed residential and rural setting with the following features immediately bounding the site:

- North, the site is bound by open fields;
- East, the site is bound by residential properties and private gardens;
- South, the site is bound by residential properties and private gardens;
- West, the site is bound by residential properties and gardens, and open fields.

The site comprises an irregular shaped plot of land, occupying approximately 45 hectares, currently used as a golf course. A site layout plan is included at Figure 1.

A site walkover was undertaken on the 25th January 2019, details of which are included in Chapter 5 of this report.

Reading Golf Club, Kidmore End Road, Reading

Phase 1 Contamination Risk Assessment



3 SITE HISTORY

A map search was carried out for the site and extracts of the following Ordnance Survey maps were obtained covering the period between 1878 and 2019.

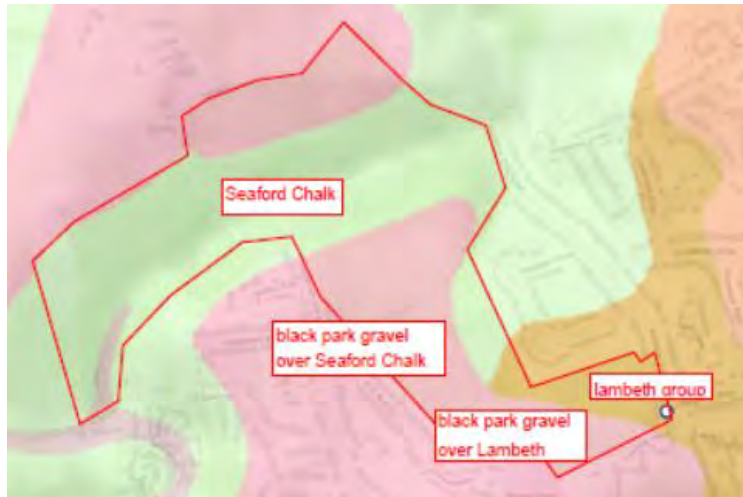
These are presented in Appendix 1 and the relevant historic details are summarised as follows:

Mapping Date Range	On Site	Surrounding Area
1878-1879	The site comprises several open fields, with a wooded area (Cucumber Wood) in the centre. A small wooded area is also noted in the western part of the site, along the boundary. An old chalk pit is shown in the western part of the site. No further significant features are noted within the site boundary.	The surrounding area is predominantly open fields, with residential dwellings to the south east and south. A chalk pit is noted on the northern boundary of the site
1882	No significant development is noted on site.	No significant development is noted in the surrounding area.
1900		
1901		
1914-1915	A structure is noted in the south eastern corner of the site.	Residential development has taken place south east of the site and approximately 100m south west of the site.
1938	The old chalk pit on site is no longer noted as such. Structure on site is noted as a club house.	Residential development has taken place immediately east of the site and south of the site
1960-1961	Two small sheds are noted in the centre of the site, within the wooded area. No further development is noted on site,	No significant development noted on site.
1970-1973	No significant development is noted on site.	Further residential development to the south of the site.
1991	Extension of the club house in the south eastern part.	No significant development noted on site.
1999	No significant development noted on site.	Residential development immediately south of the site.
2019		No significant development is noted on site.

4 ENVIRONMENTAL SETTING

4.1 GEOLOGY

Reference to the British Geological Survey 1:50,000 scale geological map of the area indicates that the geology underlying the site is the Lambeth Group – Clay, Silt and Sand in the south eastern part of the site, with superficial deposits of Black Park Gravel Member. The central part of the site comprises Seaford Chalk, with some Head deposits running north to south.



The geological memoir for the area described these strata as follows:

Lambeth Group

Vertically and laterally variable sequences mainly of clay, some silty or sandy, with some sands and gravels, minor limestones and lignites and occasional sandstone and conglomerate.

Seaford Chalk

Firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.

Black Park Gravel Member

Sand and gravel, with possible lenses of silt, clay or peat. Horizontally stratified, matrix-supported gravel with thin tabular cross-bedded sand channels. Gravel assemblage is characterised by abundant angular flint (75-89%), sparse rounded flint (3-9%), sparse vein quartz (4-10%) and sparse quartzite (1-6%).

Head Deposits

Polymict deposit: comprises gravel, sand and clay depending on upslope source and distance from source. Poorly sorted and poorly stratified deposits formed mostly by solifluction and/or hillwash and soil creep. Essentially comprises sand and gravel, locally with lenses of silt, clay or peat and organic material.

4.2 GROUNDWATER

Reference to the British Geological Survey 1:50,000 scale Aquifer Designation Dataset, shows the site to be set upon a Principal Aquifer within the Seaford Chalk, and Secondary (A) Aquifer in the Lambeth Group soils. Superficial Black Park Gravel deposits are designated as a Secondary (A) Aquifer.

Principal Aquifers are highly permeable formations. They are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

Secondary Aquifers include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary aquifers are subdivided into two types

Secondary A are permeable layers capable of supporting water supplies at a local scale, and may be an important source of base flow to rivers. These include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage.

The central and eastern part of the site are within an Environment Agency-defined Groundwater Source Protection Zone (III) Total Catchment.

4.3 RADON

Reference to the National Radiological Protection Board's "Radon Atlas of England and Wales" indicated that less than one percent (<1%) of houses within the 5 km square which includes the site have radon concentrations above the action level of 200 Bq/m³.

The site is therefore not located within a "Radon Affected Area" and therefore no special measures need be incorporated into buildings.

Reading Golf Club, Kidmore End Road, Reading

Phase 1 Contamination Risk Assessment



4.4 OTHER ENVIRONMENTAL INFORMATION

Reference was made to the environmental database Landmark, extracts from which are provided in Appendix 2. Relevant information relating to the sites environmental sensitivity is summarised as follows:

Dataset		On site	Nearest significant off-site feature
Agency & Hydrological	Discharge Consents	Sewage Discharge	53m north. Sewage discharge.
	Local Authority Pollution Prevention and Controls	None	555m south west. Petrol filling station.
	Nearest Surface Water Feature	None	62m east.
	Pollution Incidents to Controlled Waters	None	8m north east. Oils. Category 3 Minor Incident. 1998.
	Water Abstractions	Golf Course: Spray Irrigation	1234m west. Golf Course: Spray Irrigation.
	OS Water Network Lines	None	338m south east. Inland River on ground surface.
Waste	BGS Recorded Landfill Sites	None	117m north.
	Historical Landfill Sites	None	80m north. Deposited Waste including Inert, Industrial, Commercial and Household Waste, and Liquid Sludge.
	Local Authority Landfill Coverage	Yes	
	Local Authority Recorded Landfill Sites	None	25m north. Untreated Domestic and Trade.
	Registered Landfill Sites	None	200m north. No known restriction on source of waste.
Geological	BGS Recorded Mineral Sites	Opencast Chalk mine on site. Ceased.	16m north east. Opencast chalk mine. Ceased.
	Mining Instability	Conclusive Rock Mining	
	Natural Cavities	Sinkholes, Solution Pipes	
	Potential for Collapsible Ground Stability Hazards	Very low	
	Potential for Compressible Ground Stability Hazards	No hazard	
	Potential for Ground Dissolution Stability Hazards	Very low – High	
	Potential for Landslide Ground Stability Hazards	Very low – Low	

Reading Golf Club, Kidmore End Road, Reading Phase 1 Contamination Risk Assessment



Dataset		On site	Nearest significant off-site feature
	Potential for Running Sand Ground Stability Hazards	Very low	
	Potential for Shrinking or Swelling Clay Ground Stability Hazards	Very low – Moderate	
Industrial Land Use	Contemporary Trade Directory Entries	None	23m north. Mechanical Engineers – Inactive.
	Fuel Station Entries	None	266m east. Obsolete.
Sensitive Land Use	Ancient Woodland	Cucumber Wood	111m north east. Chambers Copse.
	Areas of Outstanding Natural Beauty	None	471m north west.
	Local Nature Reserves	None	373m east.
	Nitrate Vulnerable Zones	Yes. Surface Water.	

5 SITE WALKOVER

A site walkover was undertaken on 25th January 2019 by a suitably experienced member of GES. The salient points of the walkover and photographs are included below. The current site layout is included in Figure 1 - Site Layout Plan.

At the time of the site walkover, the site comprised an 18-hole golf course, comprising sand bunkers, and varying ground levels.



Vegetation on site was noted to be in good condition, with no visible dead patches or staining noted. Well established areas of vegetation were present across the golf course, as well as an area of ancient woodland in the centre of the site.



Reading Golf Club, Kidmore End Road, Reading Phase 1 Contamination Risk Assessment



In the central part of the site, just inside the wooded area, was the groundkeeper's sheds. These sheds were 'nissan' style units roofed with corrugated metal and plastic. No evidence of asbestos cement sheeting was observed. Within the sheds were stored various vehicles used in maintaining the golf course, as well as tools, and materials for the maintenance of the vehicles. The concrete floor slabs within the buildings were noted to be free of significant oil staining.



An integrally bunded waste oil tank was noted in the vicinity of the sheds adjacent to the compound entrance. On the other side of the entrance was an integrally bunded diesel/heating oil tank and site safe for the storage of materials used by the ground staff. Around the tanks were a number of drums and sundry containers used for the storage of various chemicals. These drums were noted to be stored directly on the concrete hardstanding and not on spillage containment pans. The majority of the drums were empty. Runoff from the concrete hardstanding upon which the tanks and drums were stored was noted to be free of visually evident spillages/leaks. Runoff from the hardstanding is likely to be discharged to the adjacent made ground within the wooded area.



Reading Golf Club, Kidmore End Road, Reading Phase 1 Contamination Risk Assessment



Two large water storage tanks were noted as well, which were part of the course irrigation system.



In the south eastern part of the site was the Golf Clubhouse, and access road and parking facilities. Whilst the tarmacked carpark was noted to be worn in parts no evidence of significant differential settlement was observed. The clubhouse comprising office accommodation, bar, conference/training rooms and pro shop together with associated living accommodation comprises brick skinned, tiled roofed single and two storey buildings. No evidence of excessive subsidence in the form of cracking etc was observed. Subfloor voids were vented through a mixture of vent bricks and gravel filled trenches which were clean of vegetation and well maintained.



6 CONTAMINATION RISK ASSESSMENT

This risk assessment has been undertaken with due regard to the advice relating to groundwater as provided in the Environment Agency's "Methodology for the Derivation of Remedial Targets for Soil and Groundwater to Protect Water Resources", the advice provided in the Contaminated Land (England) Regulations 2000, and the associated statutory guidance. The guidance defines contaminated land as any land that is in such a condition that by reason of substances in, on or under the land:

- Significant harm is being caused or there is a significant possibility of such harm being caused; or
- Pollution of controlled water is being or is likely to be caused.

This definition is based on the principles of risk assessment defined as a combination of the probability (or frequency) of occurrence of a defined hazard and the magnitude (including the seriousness) of the consequences. Central to the risk assessment process is the concept of pollutant linkage, that is a linkage between a contaminant and a receptor by means of a pathway.

Statutory definitions relating to pollution linkage.	
Contaminant	"a substance which is in, on or under the land and which has the potential to cause harm or to cause pollution of controlled waters."
Receptor	"a living organism, a group of living organisms, and ecological system or a piece of property" which meets given criteria. "controlled waters which are, or could be, polluted by a contaminant".
Pathway	"one or more routes or means by, or through, which a receptor: • is being exposed to, or affected by, a contaminant, or • could be so exposed or affected".

The relationship between these components is discussed below in order to identify the existence of any source-pathway-receptor linkage on the site, and hence the potential risks associated with any contamination. This risk assessment is based on the change of use from a golf course to a residential development with assumed garden areas.

The significance of the risks to the receptors/targets identified is based on an evaluation of the potential pathways between the contaminant source and receptors based on a residential end use with plant uptake.

Potential receptors/targets at the site and in the area in which the site is located include:

- Future occupants and the public;
- Construction/maintenance workers;
- Groundwater resources;
- Underground services in and around the site.

6.1 CONTAMINANT SOURCES

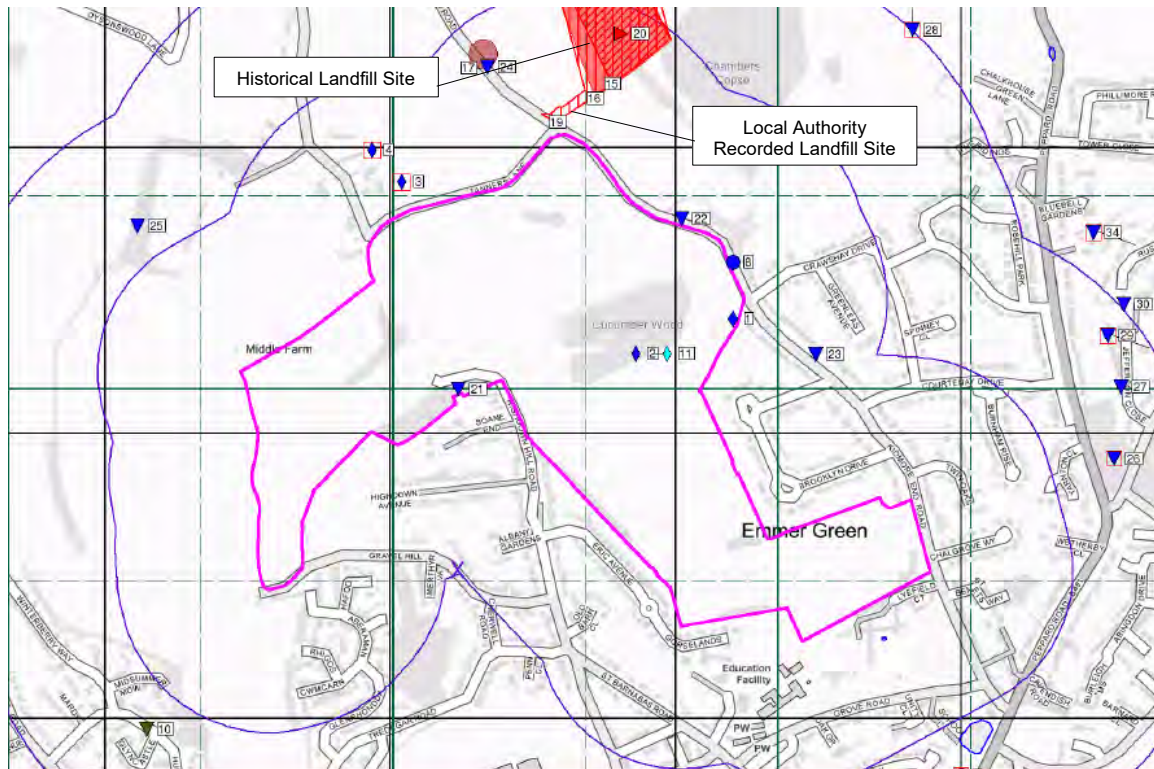
From the historical maps there are generally no clear signs of significant on-site sources of contamination. The site walkover identified an area in the centre of the site which is used as groundkeeper sheds, with vehicles and fuel and waste oil integrally bunded tanks and chemical containers. There is potential for hydrocarbon contamination of the underlying soils in this area, although no evidence, visual or olfactory, was noted of any recent spillages or leaks.

An opencast chalk mine was noted in the southwestern part of the site. This may have been in-filled, and as such there may be a risk of contamination from any impacted made ground materials used in the filling of the pit. The excavation was noted to be approximately 50m wide and was noted up until approximately c. 1938.

GES would consider it prudent to undertake an intrusive investigation at the locations of the groundkeeper's sheds, waste oil container, and the old chalk pit, in order to determine the presence or absence of any ground contamination arising from the sites historical use.

Off-Site Sources

As can be seen from the Figure below, and as indicated within the desk study data, there is a Local Authority Recorded Landfill Site approximately 25m north of the site. Details of the waste accepted are Untreated Domestic and Trade. An Historical Landfill Site is noted approximately 80m north of the site, which was described as accepting Deposited Waste including Inert, Industrial, Commercial and Household Waste, and Liquid Sludge. Decomposing waste within landfill sites are known to produce landfill gas which has the potential to migrate off-site, and in this case, could migrate to the proposed development site. The risks from this source are considered moderate and further investigation is considered necessary. It is therefore recommended that the presence of any such gas is investigated further to enable any necessary remedial measures to be suitably assessed as part of the proposed development works.



Site in Relation to former Landfill Sites

6.2 RISK TO HUMAN HEALTH

Potential sources of contamination may be present in the underlying soils in the areas of the groundkeepers shed, and the former chalk quarry on site.

In addition, given the off-site landfill site identified above, there is the potential for significant ground gas concentrations on site, which could potentially pose a significant risk of significant harm to human health.

It is therefore recommended that an intrusive investigation of these areas is carried out. Intrusive investigation of the soils on site along with chemical analysis of selected samples would give a comprehensive picture of the nature of the ground contamination on site. Additionally, a suitable ground gas investigation should be carried out in the northern part of the site, to establish whether any significantly elevated gas concentrations are present in the ground subsurface.

6.3 RISKS TO WATER RESOURCES

The geology underlying the site is the Lambeth Group and Seaford Chalk Formation, designated as Secondary A, and Principal Aquifers, respectively. The eastern part of the site is situated with a Groundwater Source Protection Zone III.

Potential mobile contamination in the form of hydrocarbons may be present in the underlying soils in the area of the groundkeeper's sheds, and waste oil container. The extent of ground contamination is unknown, and the absence of a groundwater level underlying the site, the risk to water resources is unknown and therefore assumed to be low to moderate in this area.

6.4 RISKS TO PLANTS

There is an absence of any clear signs of contamination observed on site or in the desk study element. The exceptions are the area around the groundkeepers shed, and the former chalk quarry. In these areas the risk to plants is considered to be low to moderate in the absence of a ground investigation.

6.5 RISKS TO BUILDINGS & SERVICES

There is potential for hydrocarbon contamination to be present in the underlying soils around the area of the groundkeeper's shed and the old chalk quarry. There is potential for damage to underground service pipes if any hydrocarbon contamination is present in underlying soils, and therefore it is considered that the risks to proposed buildings and services are low to moderate. This assumption is made in the absence of more detailed ground investigation.

6.6 WASTE DISPOSAL

Should an excess volume of soil be required to be disposed of off-site then a waste classification may be required.

For a waste classification to be undertaken, materials may need to be subjected to leachate testing which would give an indication to the soluble component of contaminants and, therefore those most toxic to the environment in the waste. The classification will then allow the appropriate disposal pathway to a suitably licensed disposal facility to be determined.

7 GROUND STABILITY RISK ASSESSMENT

A number of roughly circular shallow depressions were noted during the walkover survey. Most of these were observed in close proximity to both site boundaries and close to the greens. Therefore, it is possible that these depressions are the remnants of partially reinstated bunkers. However, given the location of these shallow depressions close to areas of rough it is possible given the underlying geology they may be the remains of backfilled solution features. Therefore, a Mining and Ground Stability Report was obtained from Landmark.

The Mining and Ground Stability Datasheet obtained from Envirocheck (see Appendix 3) indicates that the geology beneath the site is considered at very low risk for compressible and collapsible ground stability hazards.

Four natural cavities have been identified within the site boundary, in total comprising 4 sinkholes and 43 solution pipes, see Figure 2. Thirty-three natural cavities have been recorded within 1km of the site boundary comprising sinkholes, solution pipes and swallow holes.

It is considered likely that further dissolution features may be encountered during the redevelopment of the site.

Given the underlying geology and the lack of ground disturbance likely to have taken place at site it is likely that any buildings constructed on site will be on shallow foundations either strips or pads. Therefore, once building layouts have been finalised and foundation runs known it is likely that a pre-excavation survey based on dynamic probing will be required.

If solution features are identified in this survey, then it is likely that foundations will require reinforcement. If larger features are found, then backfilling with cement grout or similar may have to be considered.

In addition as any surface water management will comprise shallow soakaways discharging into the underlying chalk strata any such soakaways may have to be sited a minimum of 20m away from any buildings.



8 PRELIMINARY CONCEPTUAL SITE MODEL

From the findings of the desk study research and site walkover, a conceptual model of the site was developed. A conceptual site model (CSM) is a system diagram identifying contaminant sources, routes of exposure (pathways), and which receptors are affected by contaminants moving along those pathways.

The model is produced to identify the zones of the site with different potential contaminations characteristics (e.g. whether contaminants in the soil are likely to be on the surface or at depth, distributed over an entire area or in localized 'hot spots').

Reading Golf Club, Kidmore End Road, Reading
Phase 1 Contamination Risk Assessment



Source	Pollutant		Pathway	Hazard		Receptor	Observations/ Recommendations	Assessed Risk
Contaminated ground	Metals (i.e. arsenic, copper, cobalt lead), and organic compounds.	→	Direct contact, ingestion, and inhalation.	Health risks including skin irritation.	→	Humans: site workers and future occupants.	Potential for contamination in underlying soils in area of sheds and old chalk quarry. Intrusive investigation recommended to determine presence or absence of ground contamination.	Low - Moderate
			Ingestion.	Consumption of homegrown produce.	→	Humans – future site users.		Low - Moderate
			Uptake by plants.	Phytotoxic effects.	→	Soft landscaped areas / plants.	Future development may include soft landscaping. Potential sources of contamination identified on site and potential underground contamination in area of sheds and former chalk quarry.	Low - Moderate
			Surface run off from hardstanding areas.	Lateral movement to surface watercourses.	→	Aquatic resources, ecology and subsequent users including humans.	There are no surface water courses in immediate vicinity of the site.	Low
			Leaching/ Dispersion.	Downward migration to groundwater.	→	Aquatic resources – Groundwater abstractions wells / surface waters.	Potential sources of mobile contamination identified on site. Bedrock geology is Secondary A in Lambeth Group and Principal Aquifer in Seaford Chalk Formation. Depth of groundwater unknown.	Low - Moderate

Reading Golf Club, Kidmore End Road, Reading
Phase 1 Contamination Risk Assessment

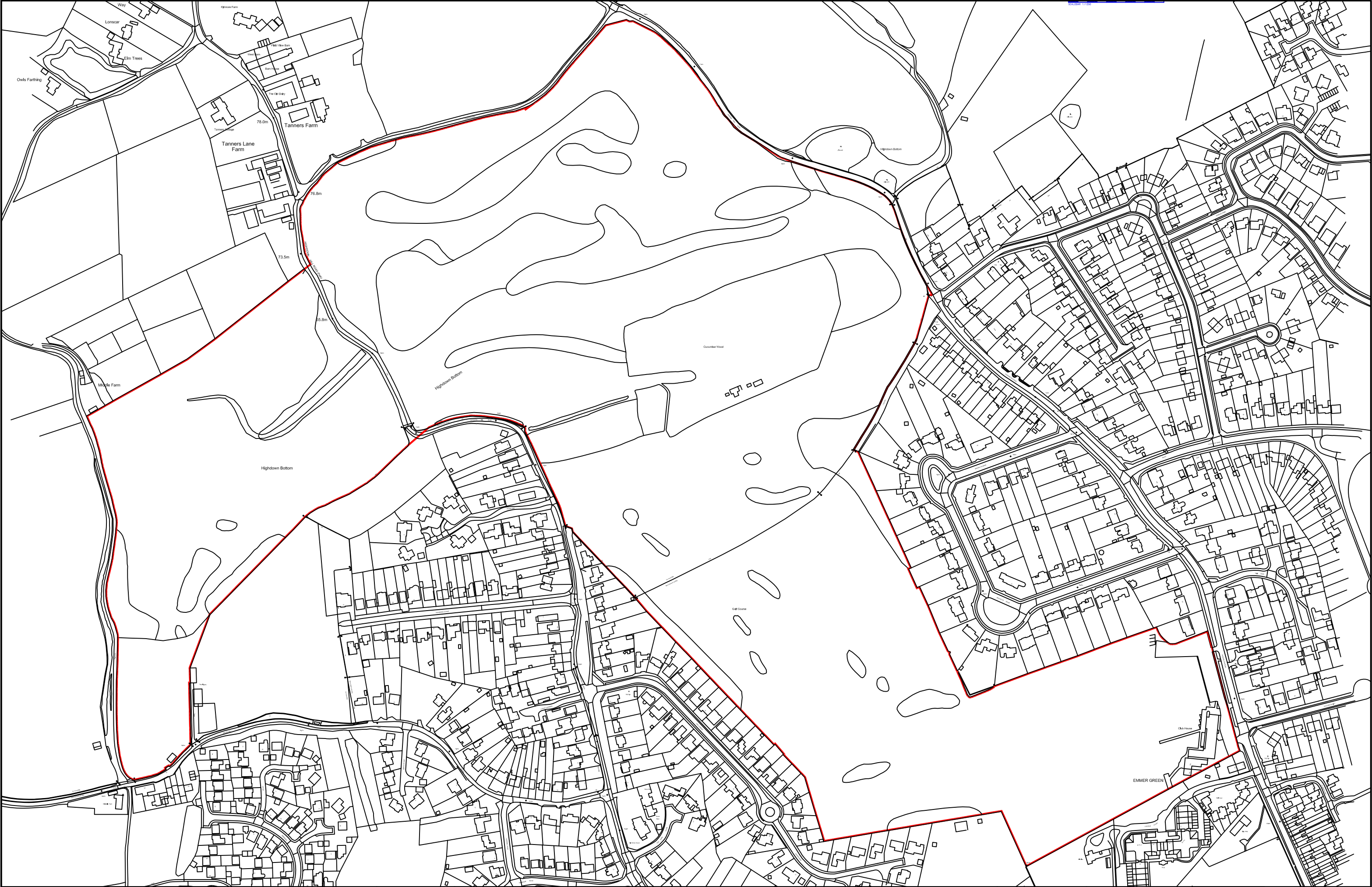


Source	Pollutant		Pathway	Hazard		Receptor	Observations/ Recommendations	Assessed Risk
			Direct contact	Aggressive chemical attack	→	Building structures and services	Potential for mobile contamination in area of sheds and former chalk quarry.	Low - Moderate
Liquid contaminant sources	Diesel, Petrol and Oils.	→	Direct contact; ingestion, inhalation.	Health risks including skin irritation. Lateral and vertical migration of contaminants.	→	Humans: site workers and future occupants. Groundwater and surface water.	Storage of waste oils noted in area of groundkeeper's shed.	Low - moderate
Building materials	Asbestos.	→	Inhalation.	Asbestosis.	→	Humans: site workers.	No ACM noted on site.	Low
Landfill, Made ground	Ground Gases (CO ₂ , CH ₄)	→	Inhalation and ingress into buildings	Asphyxiation and explosions	→	Buildings/humans/future site users	Made ground fill likely present in area of old chalk quarry on site. Given the proximity of the historical landfill sites to the north, the possibility of landfill gas present below the site or migrating onto the site cannot be discounted and therefore further investigation is recommended.	Moderate

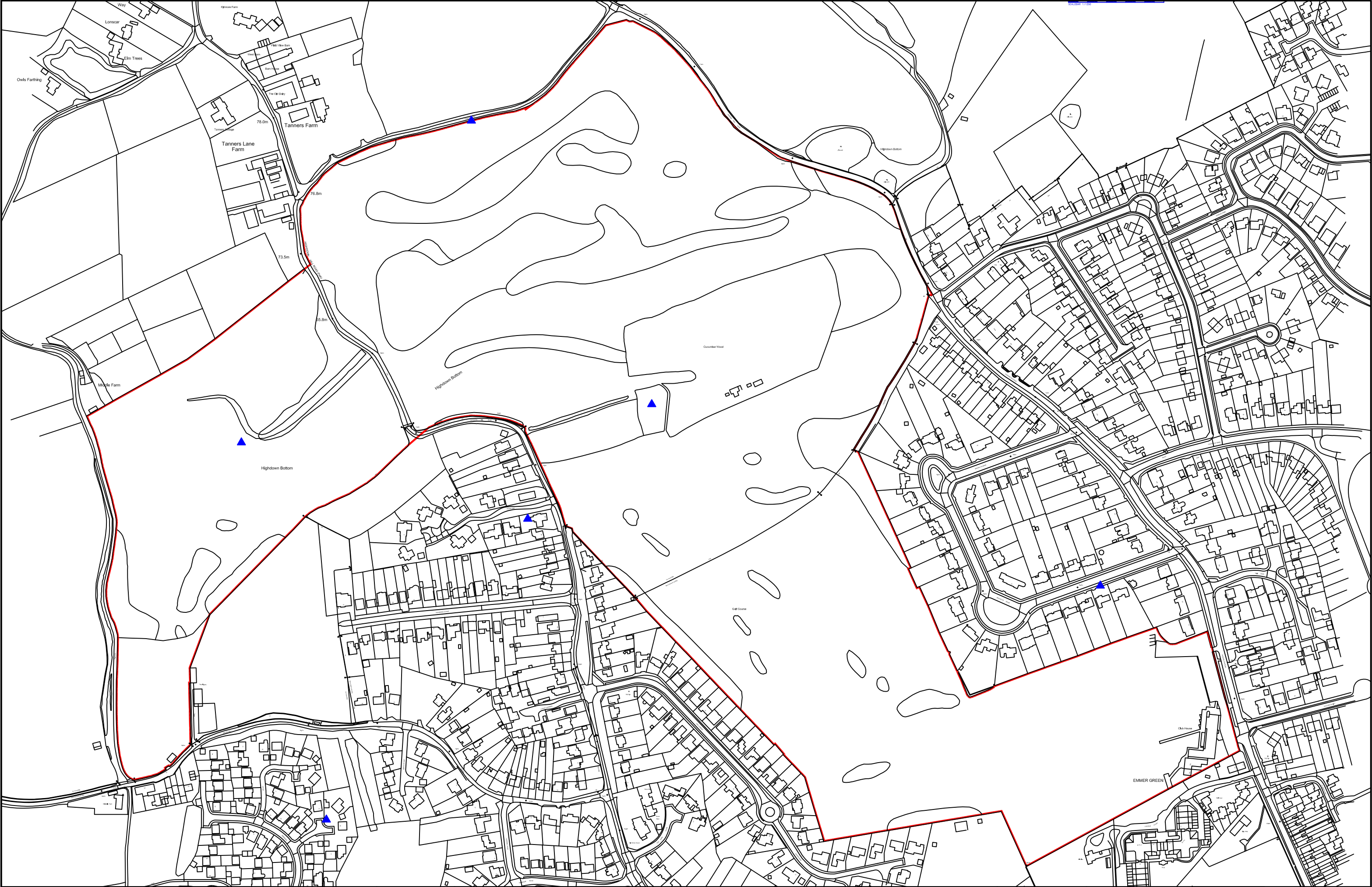
9 CONCLUSIONS AND RECOMMENDATIONS

Ground and Environmental Services Ltd undertook a Phase 1 Contamination Risk Assessment at Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ. The purpose of the Contamination Risk Assessment was to provide a preliminary assessment of contamination issues based on current Contaminated Land Legislation with regards to a change of use of the site from a golf course to a residential end use with plant uptake.

- The site is currently an 18-hole golf course.
- Future development of the site may include residential units with access to areas of soft landscaping.
- The bedrock geology underlying the site is the Lambeth Group Formation, which is designated as a Secondary A Aquifer, and the Seaford Chalk Formation, which is designated as a Principal Aquifer.
- The site is located within an Environment Agency-designated Groundwater Source Protection Zone III.
- Potential ground contamination may be present in the soils underlying the groundkeeper's sheds and associated fuel storage and waste oil tanks and sundry containers, as well as the former chalk quarry.
- The risks to human health, plants, water resources, and buildings and services is assumed to be moderate in these areas in the absence of a more detailed site investigation.
- Desk Study data has identified the presence of historical landfills located to the north of the site. The possibility of landfill gases migrating towards the site can therefore not be discounted and it is recommended that this should be investigated to ascertain whether any gas protection measures should be incorporated into any proposed structures constructed on the site.
- It is therefore recommended that confirmatory samples are collected from the soils underlying the site in the areas of the groundkeeper's sheds, waste oil container, and former chalk quarry. In addition, a series of gas monitoring wells should be installed in the northern part of the site, where gases may migrate from the historical landfill sites, and a gas monitoring programme implemented. This would take the form of a Phase 2 Intrusive Investigation of the site. An outline investigation protocol is attached at Appendix 4.



WS - Window Sample BH - Borehole TP - Trial Pit HDTP - Hand Dug Trial Pit DCP - Dynamic Cone Penetration Test HA - Hand Auger DP - Dynamic Probe GM - Gas Monitoring Standpipe SP - Soakage Pit PT - Percolation Test S - Sample Location	Site: Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ		Client: Fairfax Properties		Drawn: PJ	Rev.:		Unit 2 Montpelier Business Park, Dencora Way, Ashford, Kent TN23 4FG Tel: 01233 646 237
	Title: Figure 1 Site Layout Plan		Project: 12112		Date: 02/2018	Scale:		



WS - Window Sample	DP - Dynamic Probe
BH - Borehole	GM - Gas Monitoring Standpipe
TP - Trial Pit	SP - Soakage Pit
HDTP - Hand Dug Trial Pit	PT - Percolation Test
DCP - Dynamic Cone Penetration Test	S - Sample Location
HA - Hand Auger	

Site: Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ
Title: Figure 2 Location of Natural Cavities

Client: Fairfax Properties
Project: 12112

Drawn: PJ
Date: 02/2018

Rev.:
Scale:



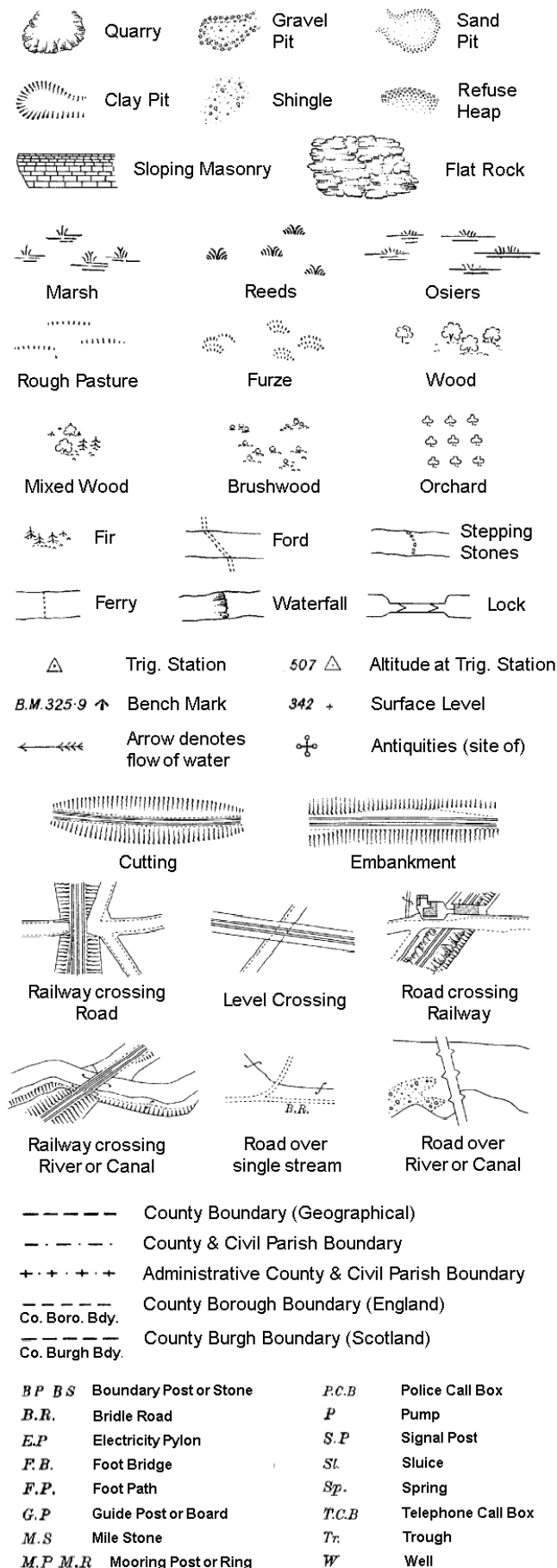
Unit 2 Montpelier
Business Park,
Dencora Way,
Ashford,
Kent TN23 4FG
Tel: 01233 646 237



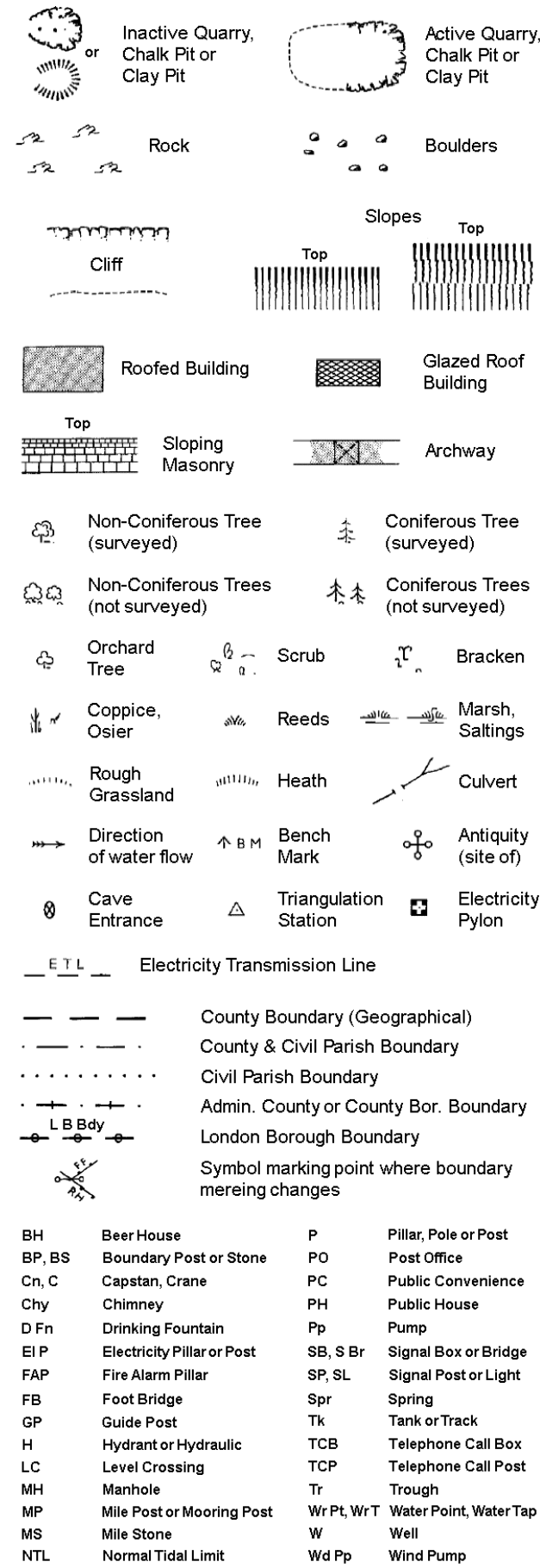
APPENDIX 1
HISTORICAL MAPS

Historical Mapping Legends

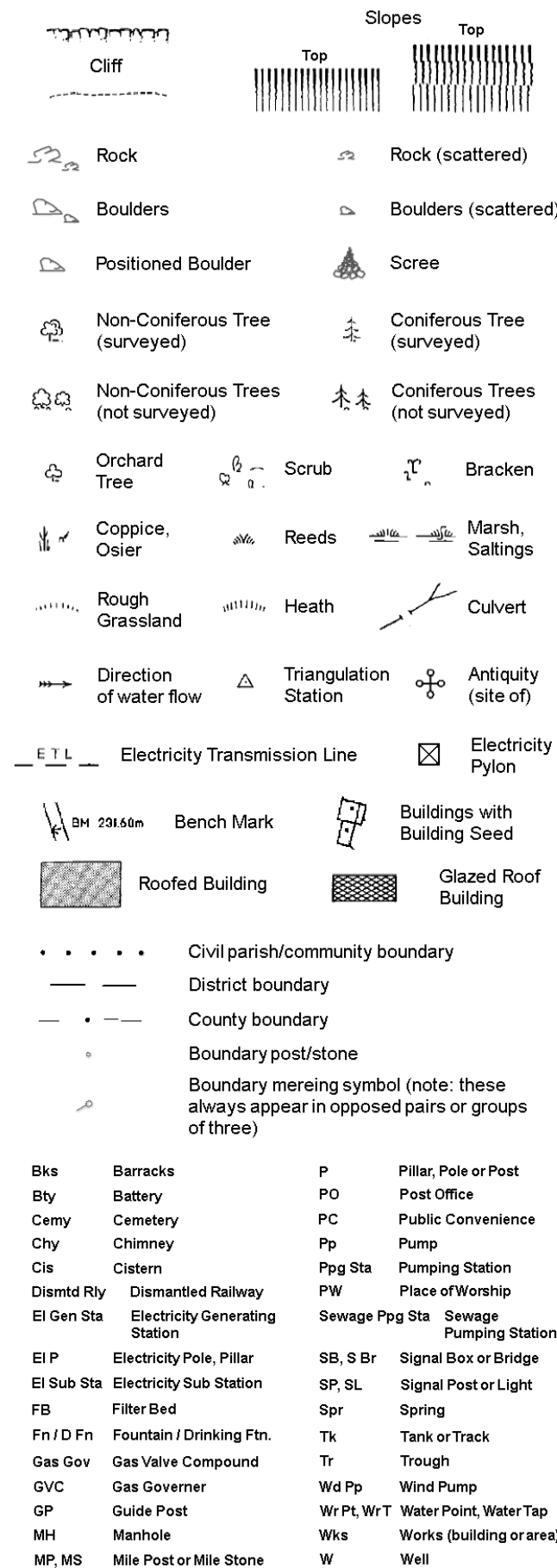
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



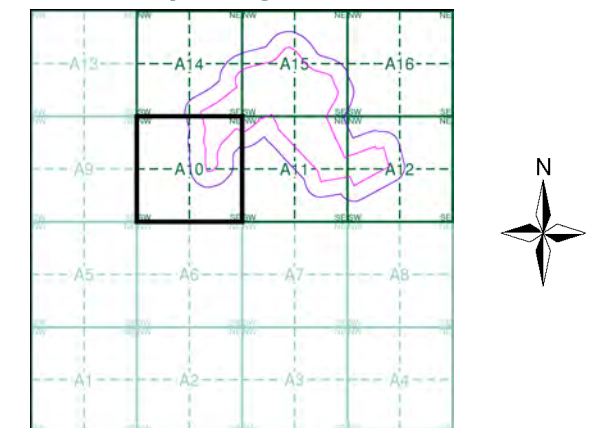
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:2,500	1956 - 1964	6
Ordnance Survey Plan	1:1,250	1956 - 1957	7
Additional SIMs	1:1,250	1957 - 1992	8
Additional SIMs	1:2,500	1964	9
Ordnance Survey Plan	1:1,250	1967 - 1974	10
Ordnance Survey Plan	1:1,250	1976	11
Additional SIMs	1:1,250	1988	12
Additional SIMs	1:2,500	1990	13
Large-Scale National Grid Data	1:2,500	1993	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:1,250	1994 - 1995	16
Large-Scale National Grid Data	1:1,250	1995	17

Historical Map - Segment A10



Order Details

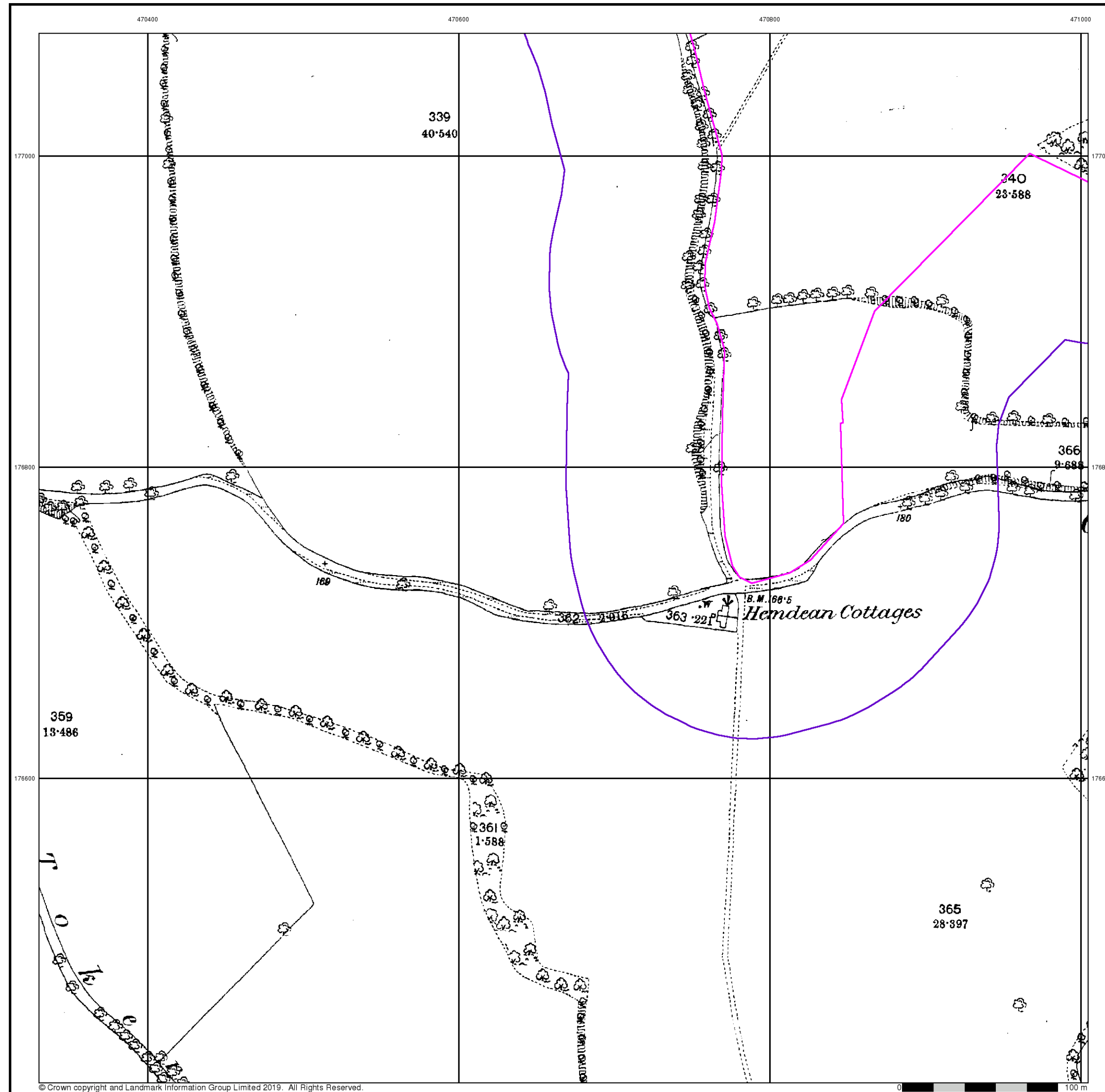
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



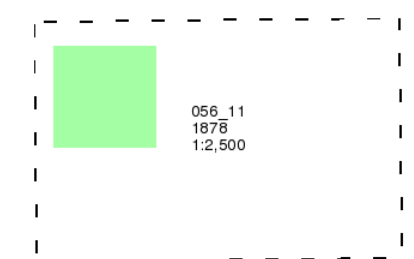
Oxfordshire

Published 1878

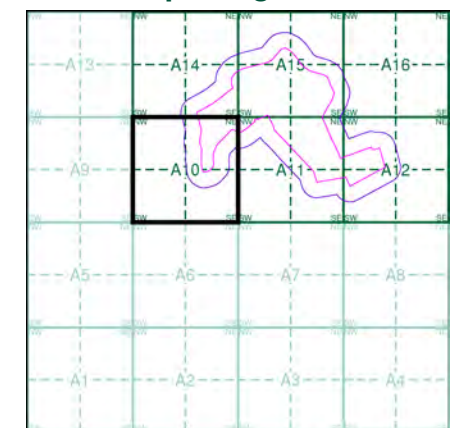
Source map scale - 1:2,500

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 A10



Order Details

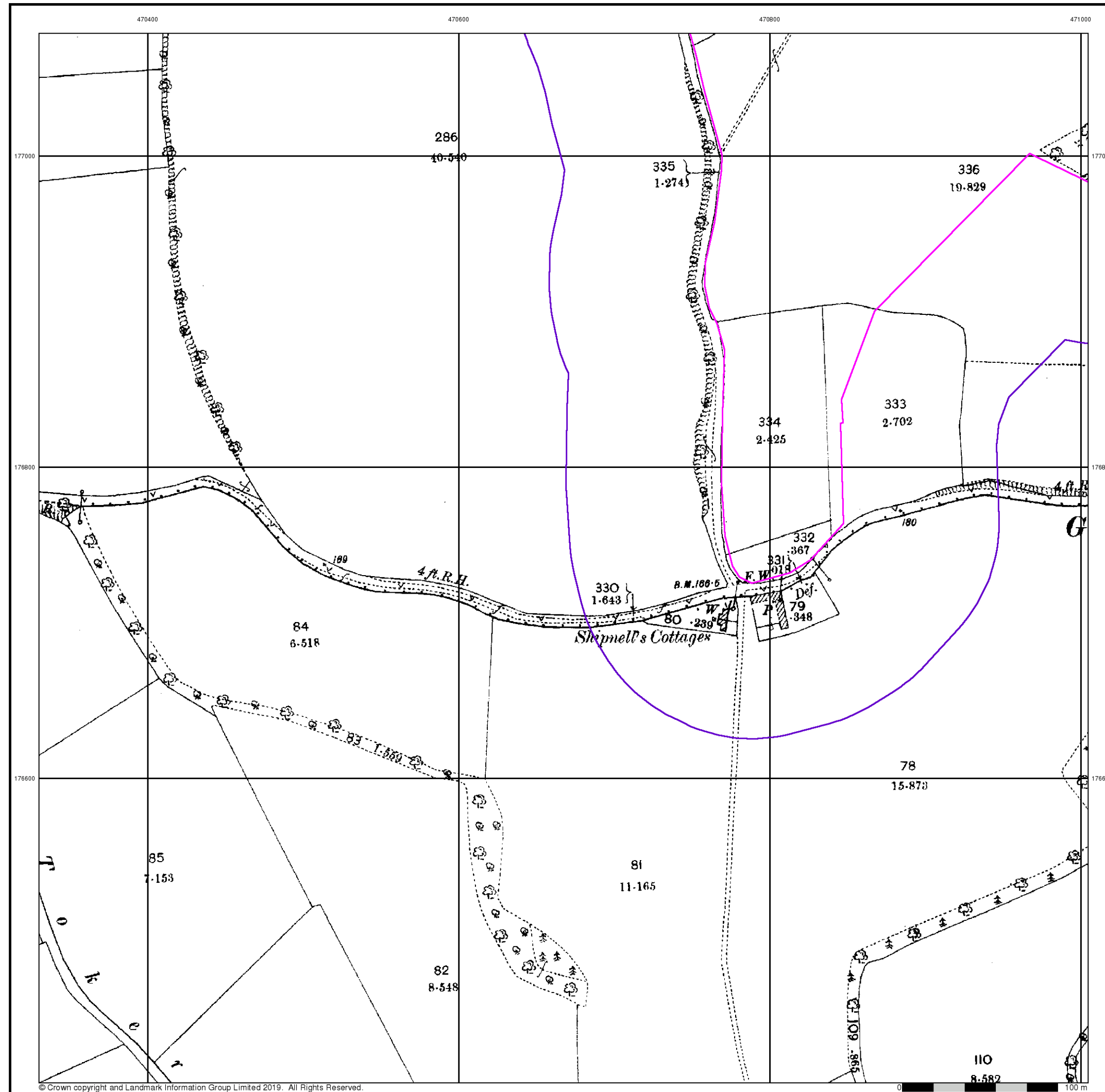
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



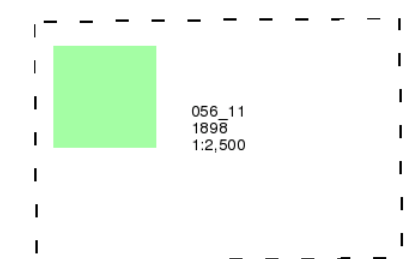
Oxfordshire

Published 1898

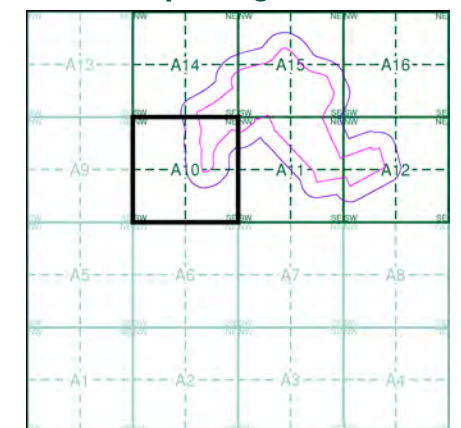
Source map scale - 1:2,500

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 A10



Order Details

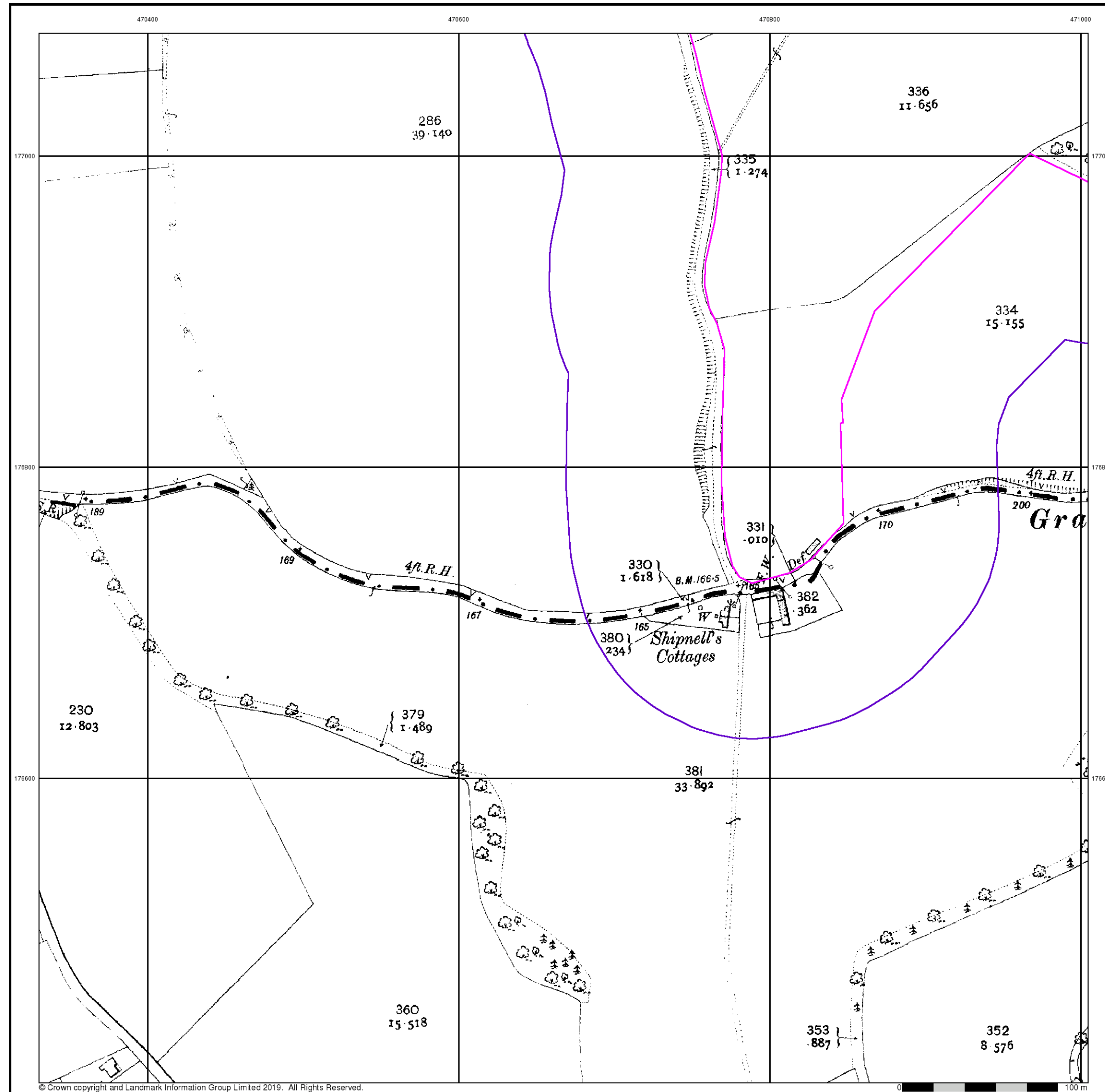
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



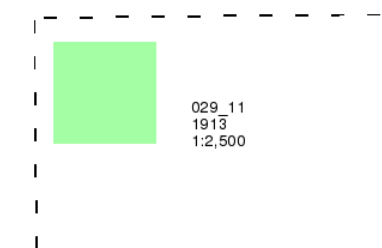
Berkshire

Published 1913

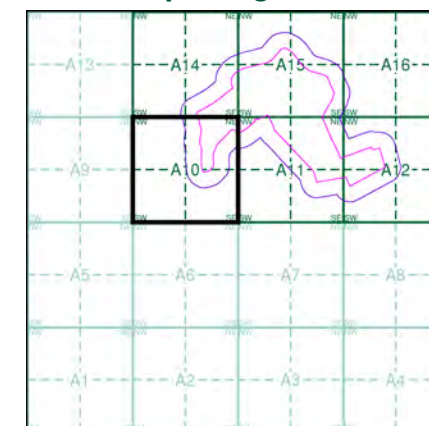
Source map scale - 1:2,500

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 A10



Order Details

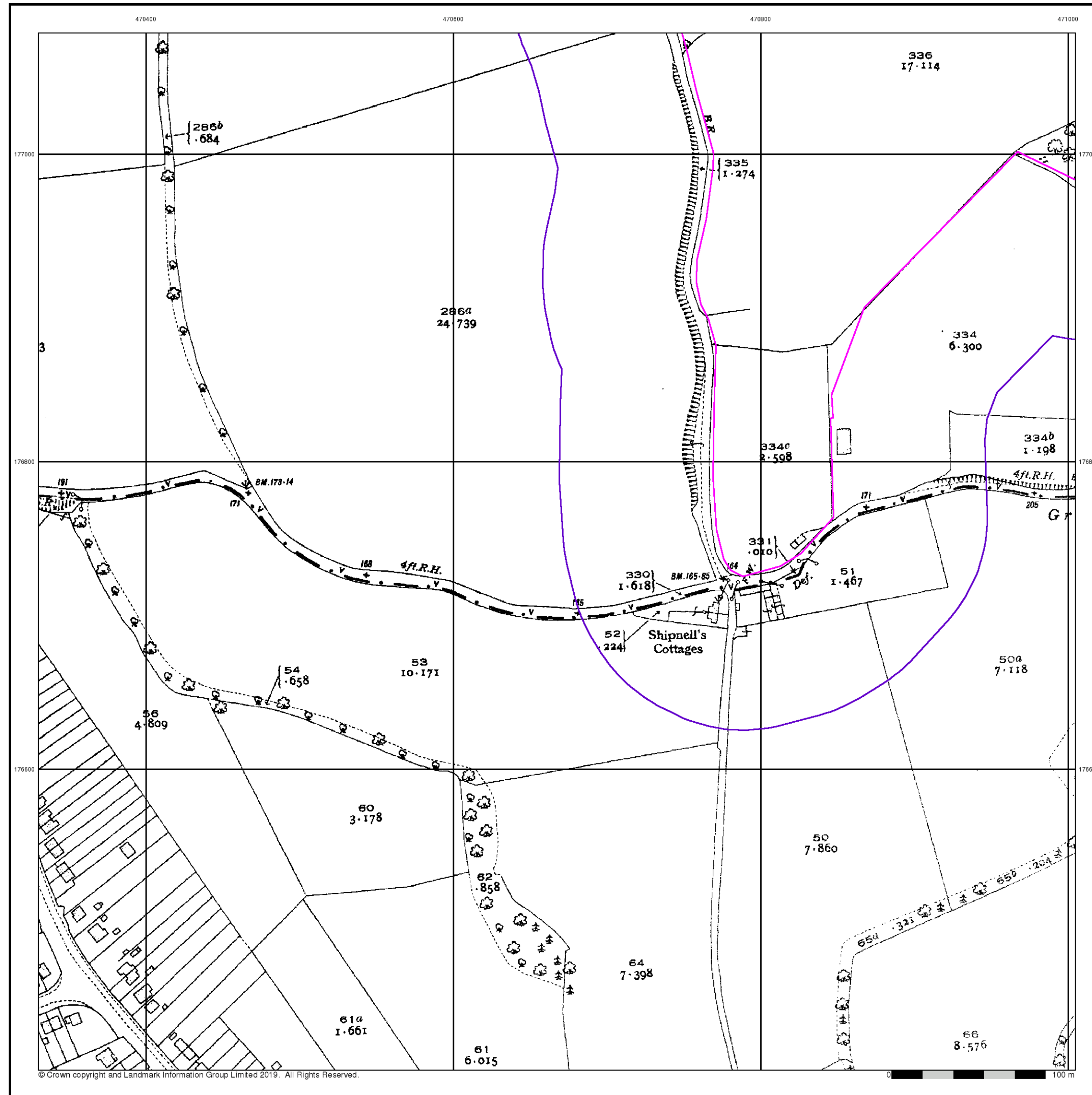
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



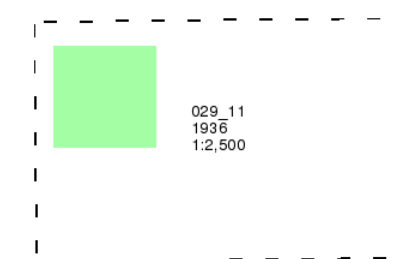
Berkshire

Published 1936

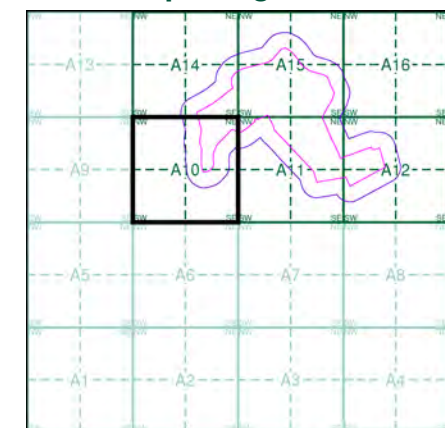
Source map scale - 1:2,500

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 A10



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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

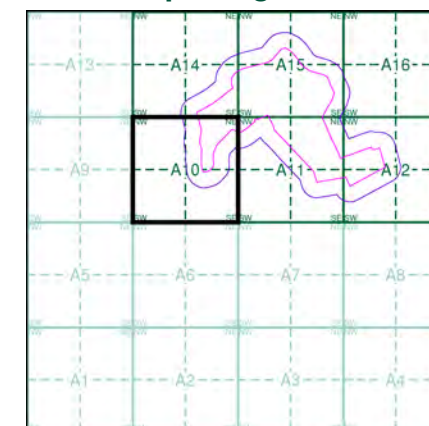


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SU7077 1964 12,500	SU7177 1956 12,500
SU7076 1958 12,500	SU7176 1957 12,500

Historical Map - Segment A10



Order Details

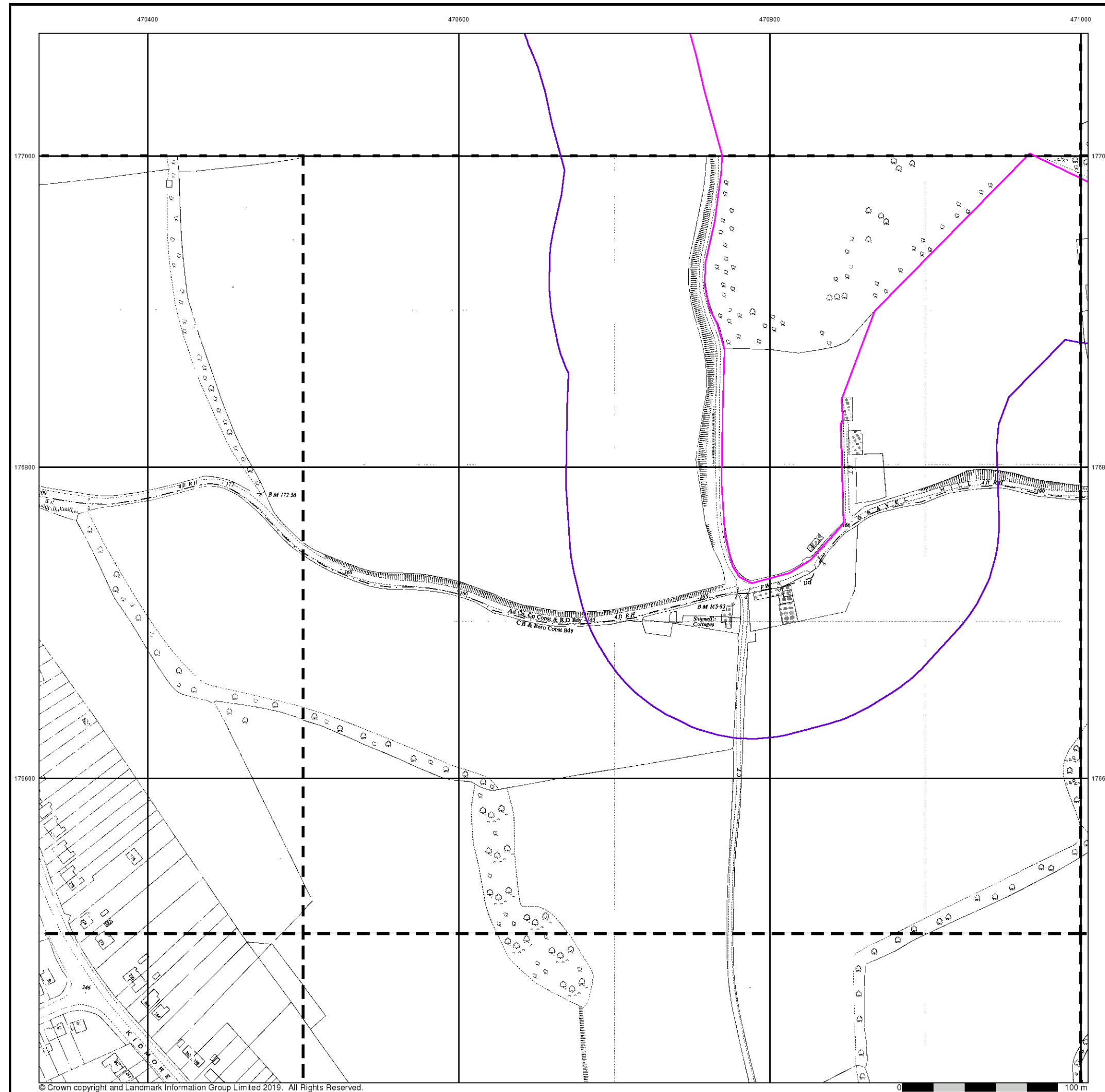
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.



Ordnance Survey Plan

Published 1956 - 1957

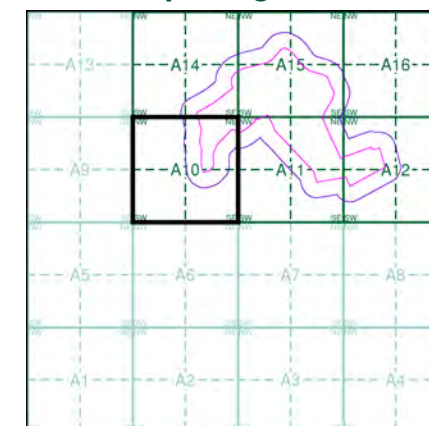
Source map scale - 1:1,250

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)

SU7177SW		
1956		
1:1,250		
SU7078NW	SU7076NE	SU7176NW
1957	1957	1956
1:1,250	1:1,250	1:1,250
SU7076SW	SU7076SE	SU7176SW
1957	1957	1956
1:1,250	1:1,250	1:1,250

Historical Map - Segment A10



Order Details

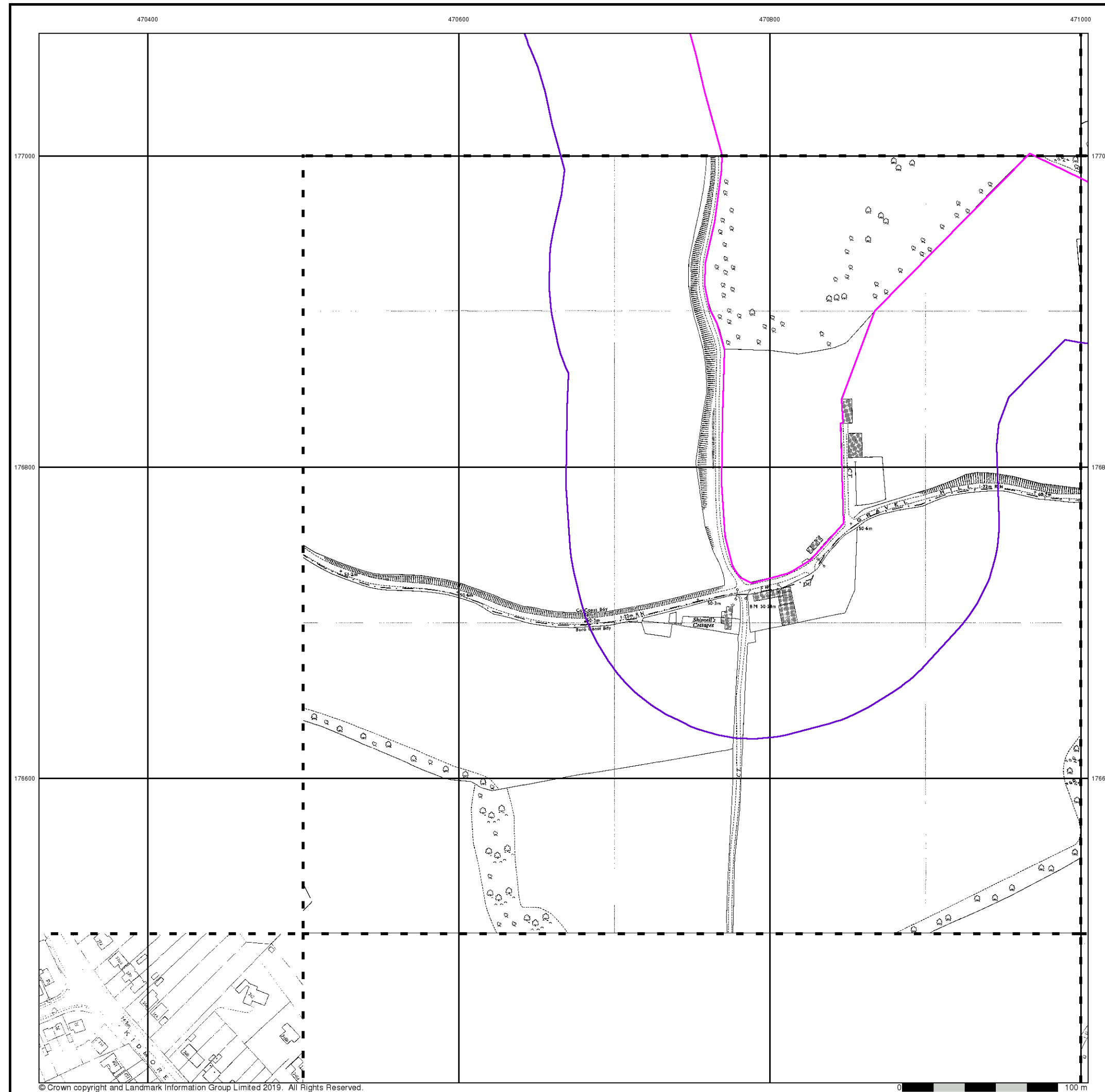
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



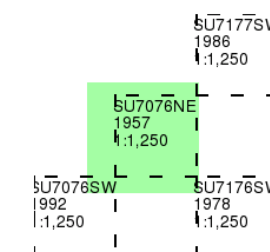
Additional SIMs

Published 1957 - 1992

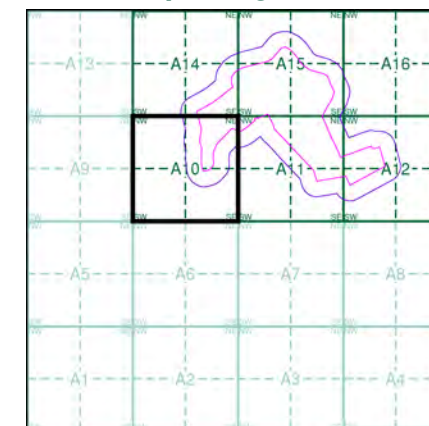
Source map scale - 1:1,250

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 A10



Order Details

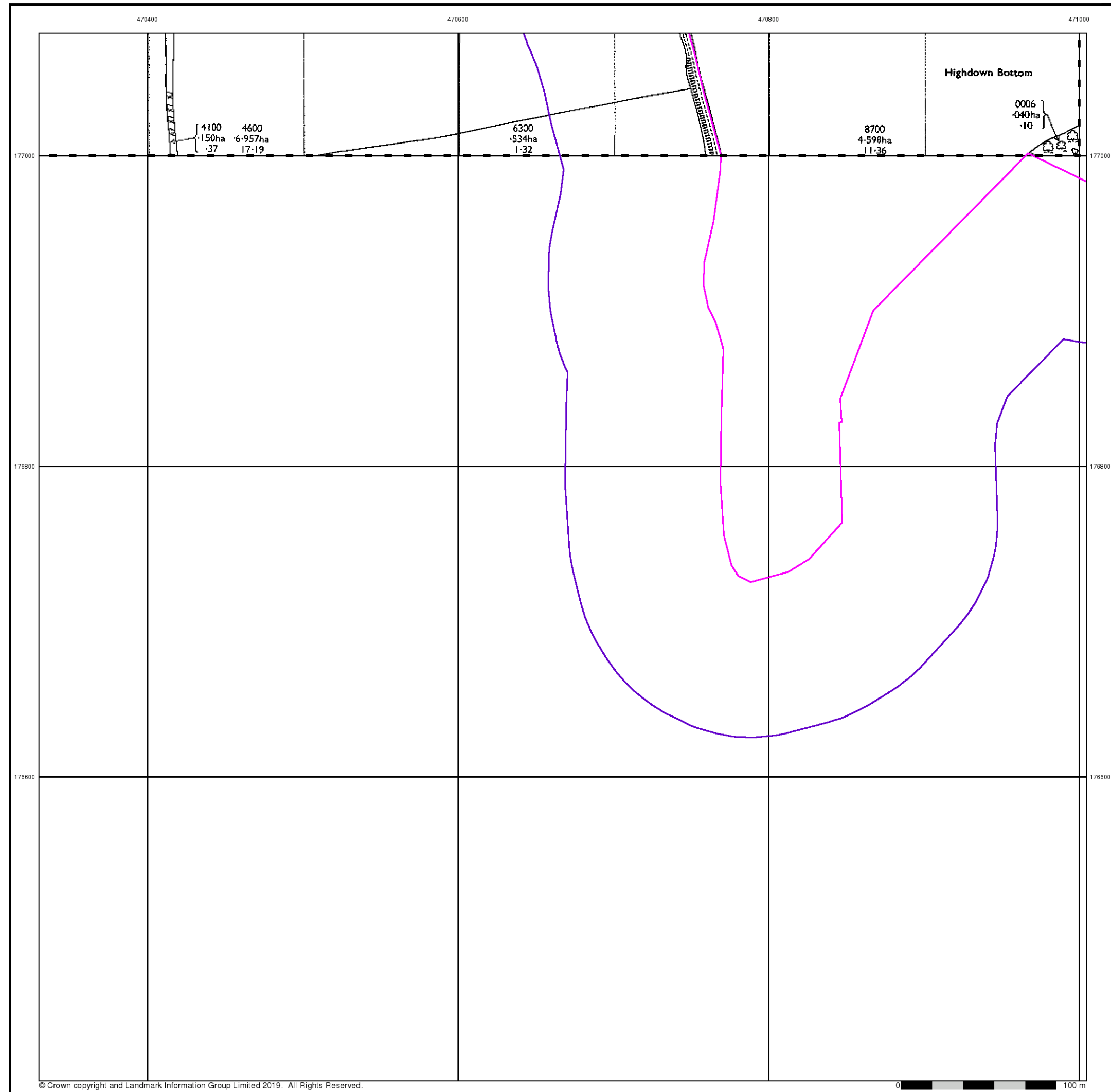
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



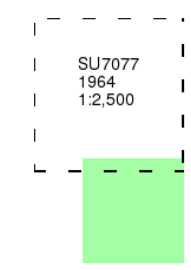
Additional SIMs

Published 1964

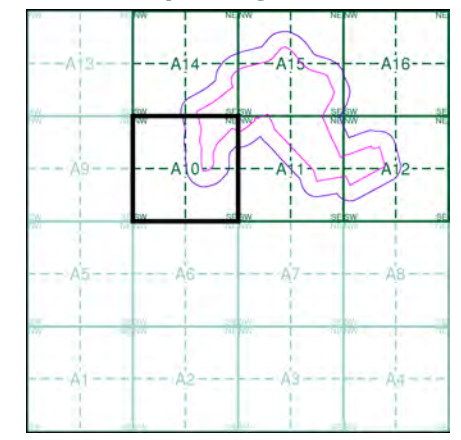
Source map scale - 1:2,500

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 A10



Order Details

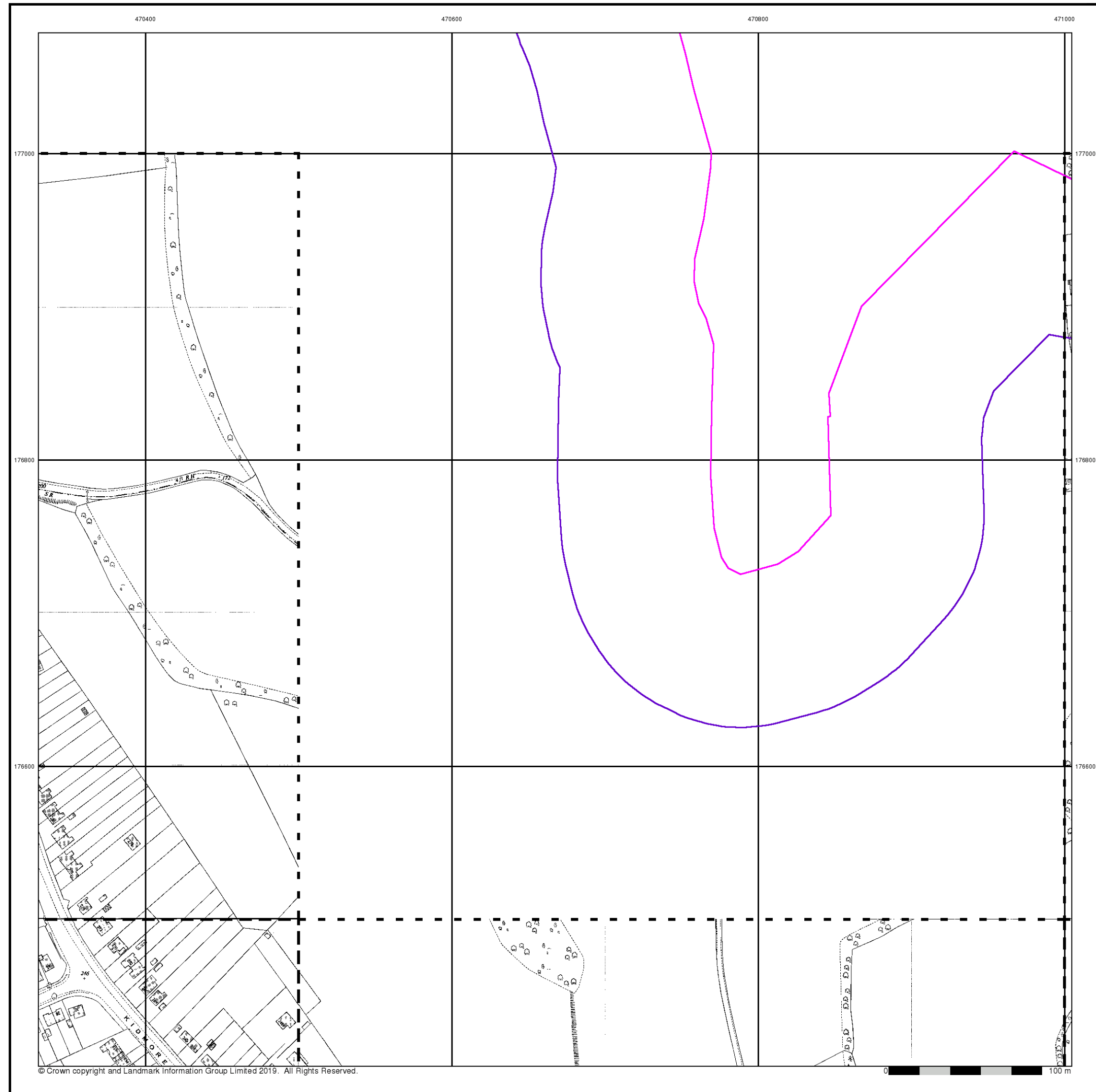
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



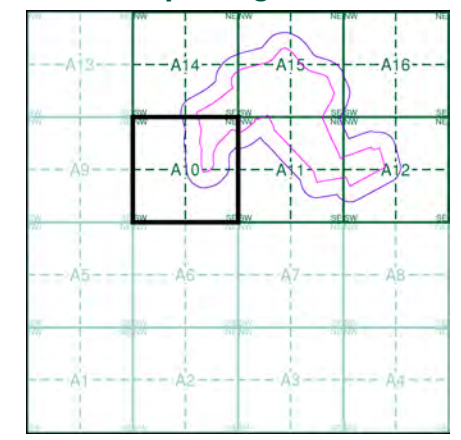
Ordnance Survey Plan
Published 1967 - 1974
Source map scale - 1:1,250

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)

SU7076NW 1967 1:1,250		SU7176NW 1967 1:1,250
SU7076SW 1967 1:1,250	SU7076SE 1974 1:1,250	SU7176SW 1970 1:1,250

Historical Map - Segment A10



Order Details

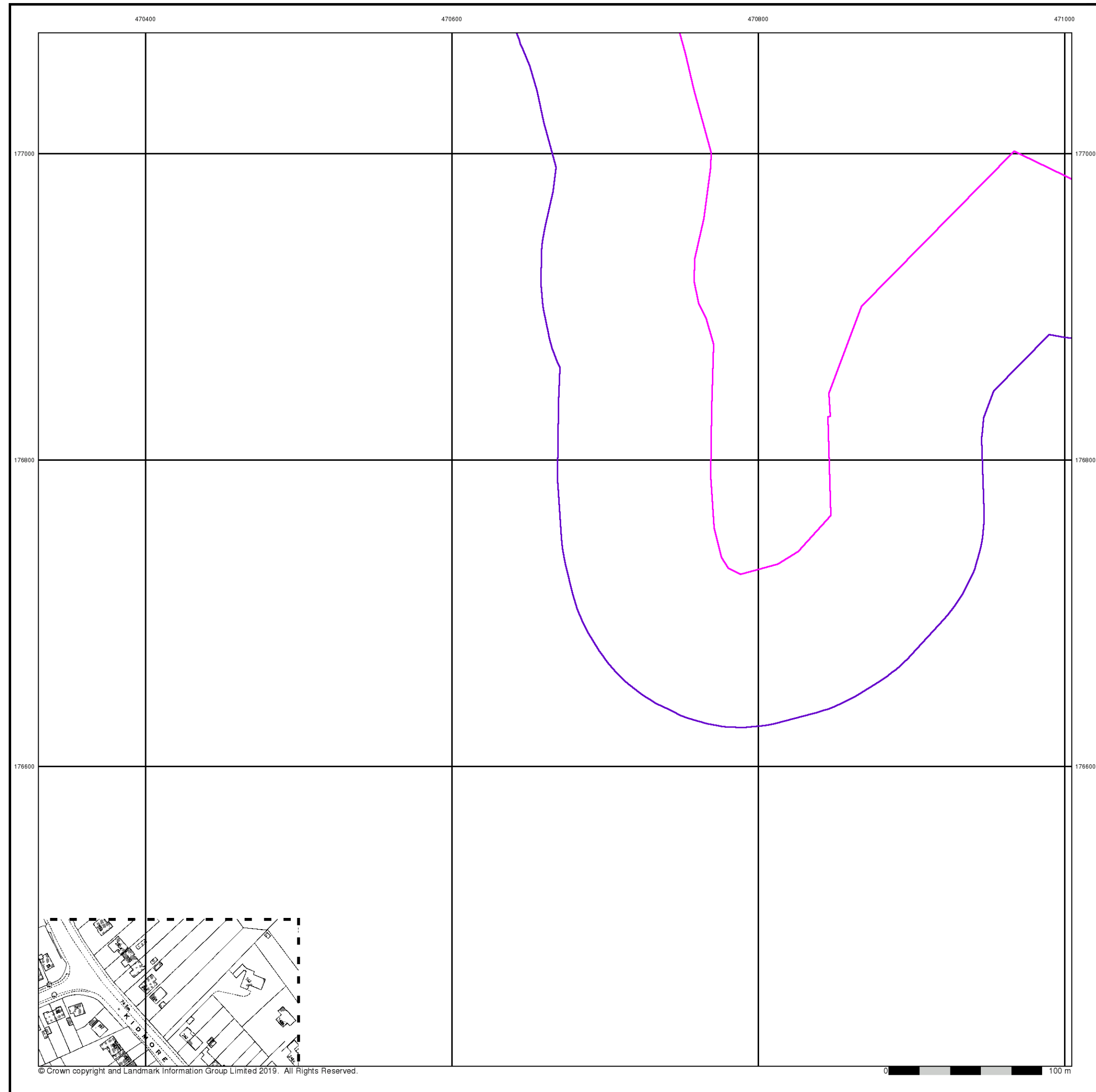
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



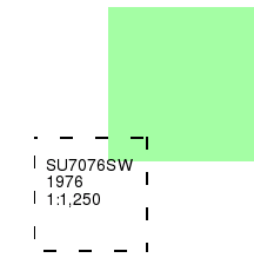
Ordnance Survey Plan

Published 1976

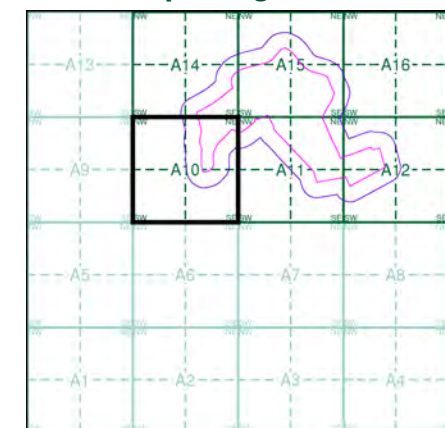
Source map scale - 1:1,250

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)



Historical Map - Segment A10



Order Details

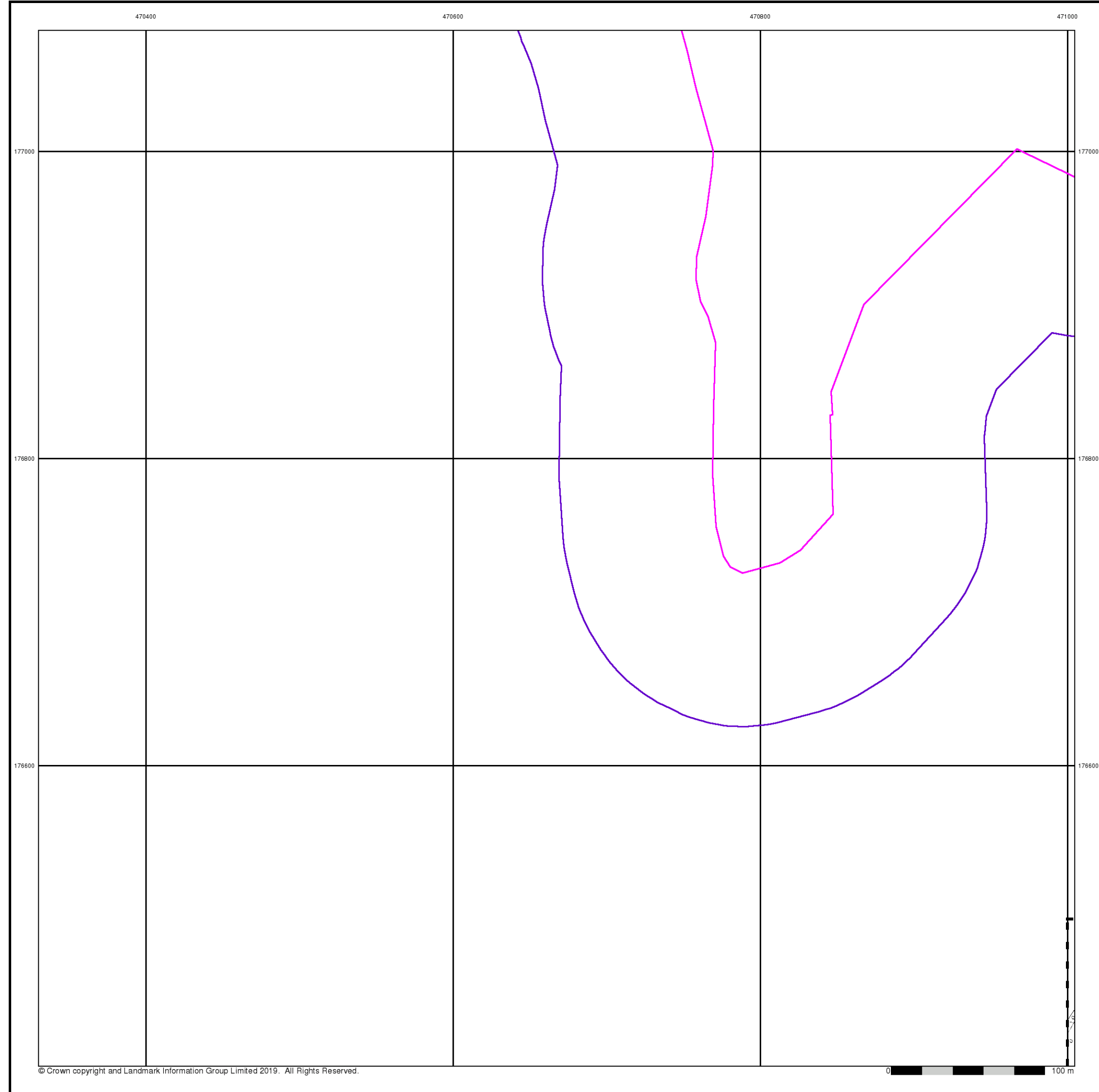
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





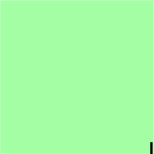
Additional SIMs

Published 1988

Source map scale - 1:1,250

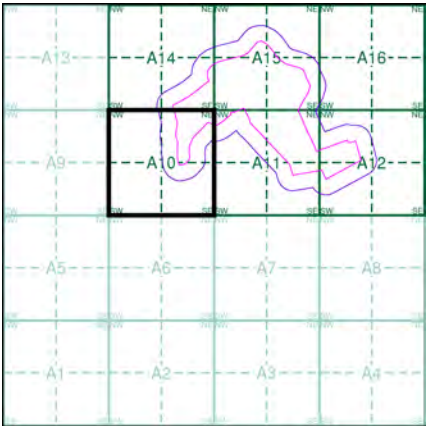
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SU7176SW
1988
1:1,250

Historical Map - Segment A10



Order Details

Order Number:	191585181_1_1
Customer Ref:	12112
National Grid Reference:	471120, 176760
Slice:	A
Site Area (Ha):	44.51
Search Buffer (m):	100

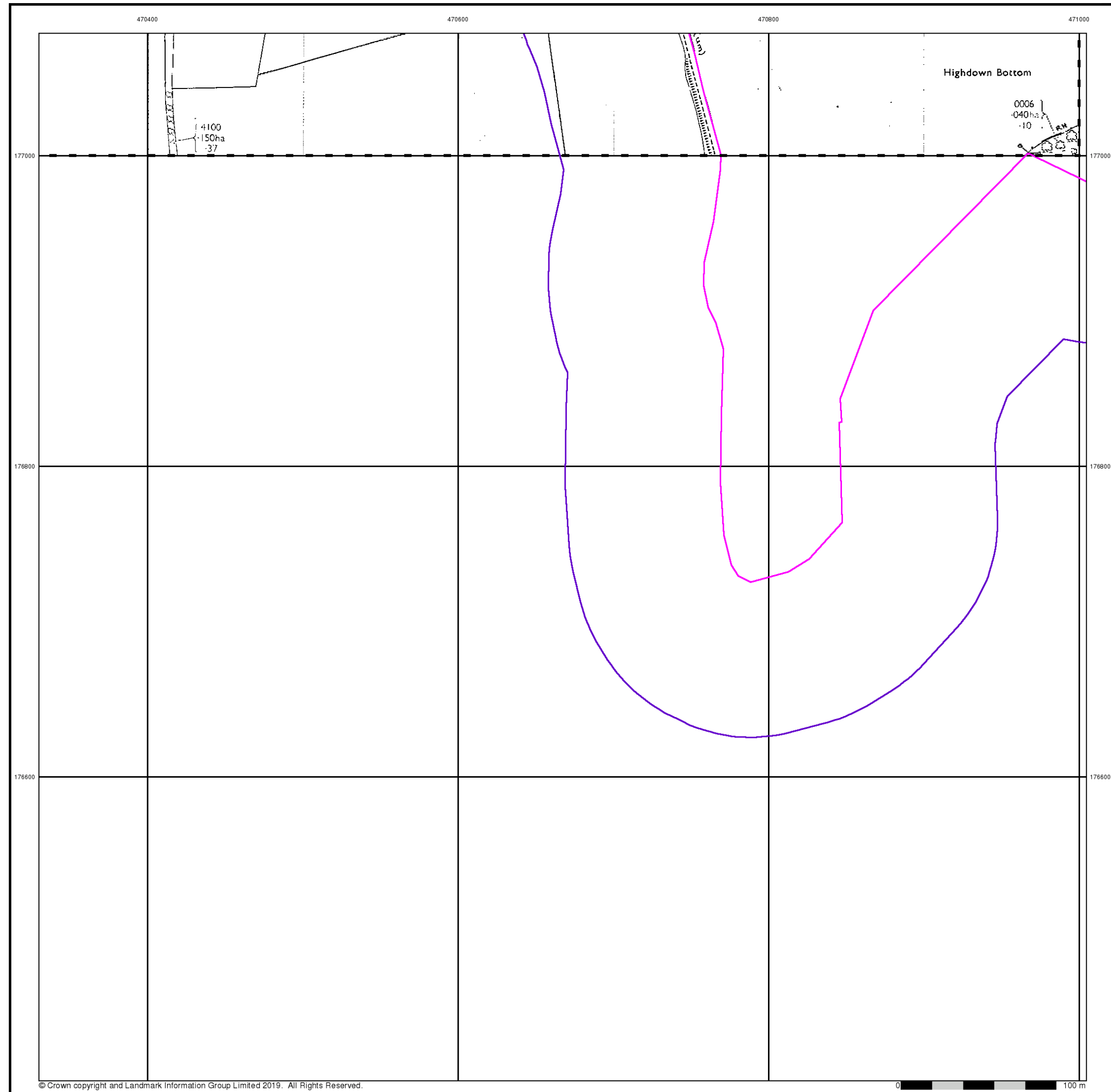
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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

A Landmark Information Group Service v50.0 21-Jan-2019 Page 12 of 17



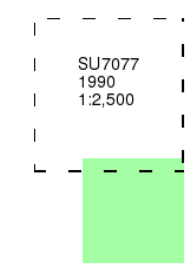
Additional SIMs

Published 1990

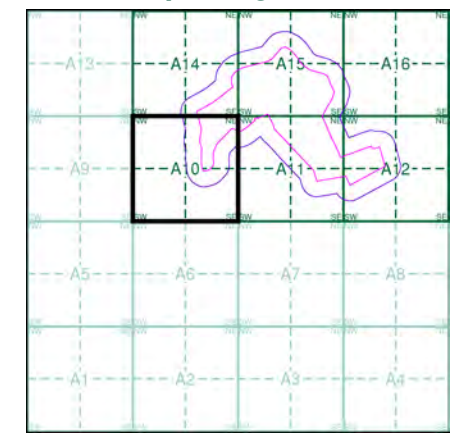
Source map scale - 1:2,500

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 A10



Order Details

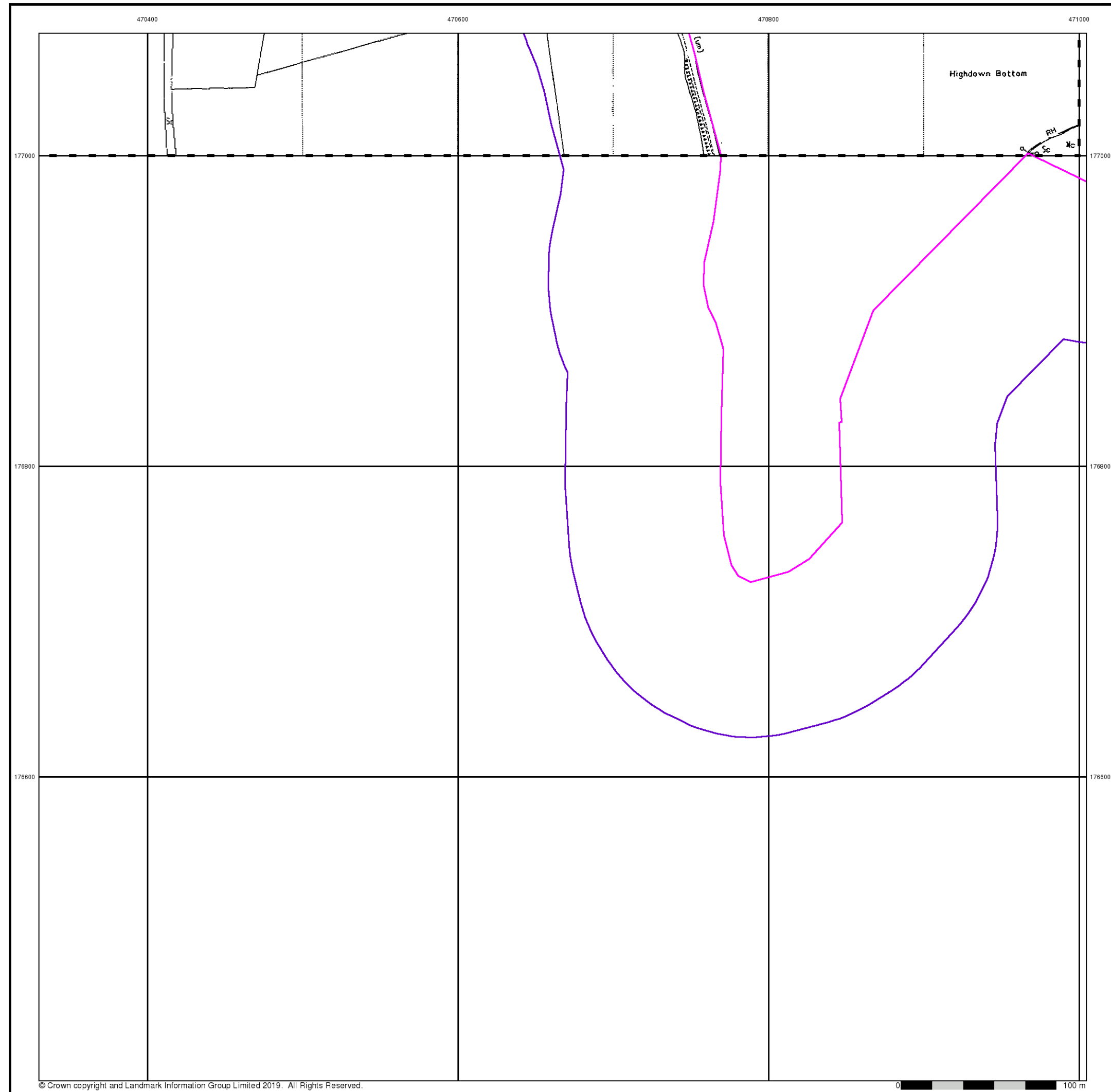
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



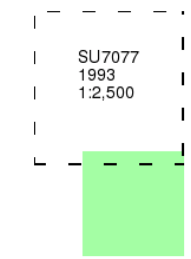
Large-Scale National Grid Data

Published 1993

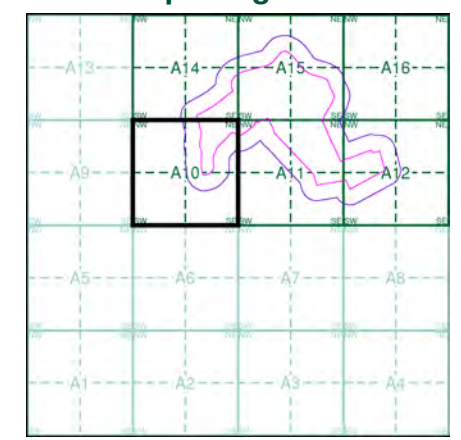
Source map scale - 1:2,500

'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 A10



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Large-Scale National Grid Data

Published 1993

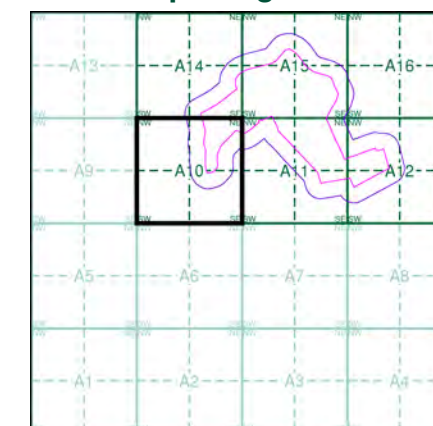
Source map scale - 1:1,250

'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)

SU7177SW		
1993		
1:1,250		
SU7076NW	SU7076NE	SU7176NW
1993	1993	1993
1:1,250	1:1,250	1:1,250
SU7076SW	SU7076SE	SU7176SW
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A10



Order Details

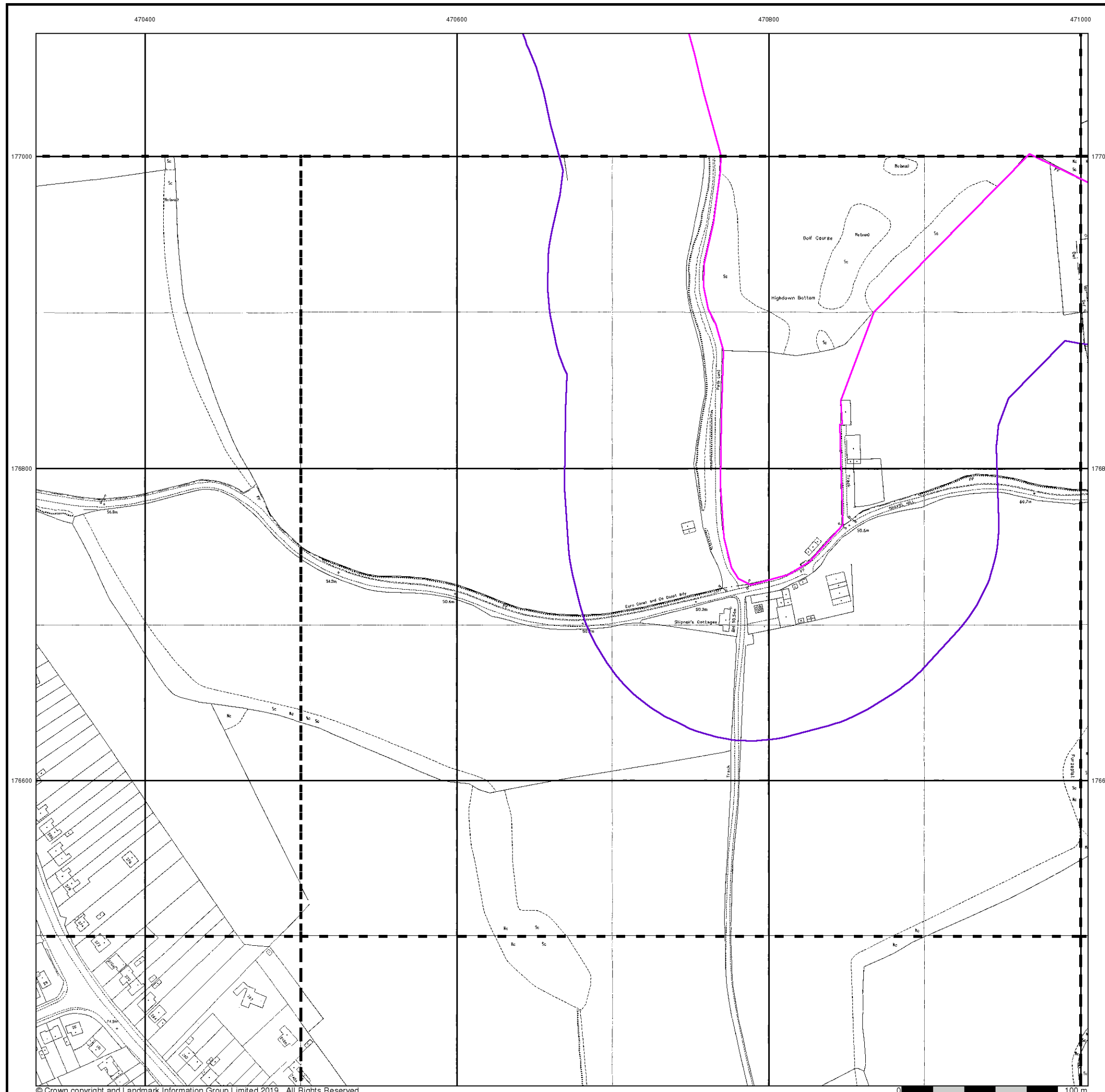
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

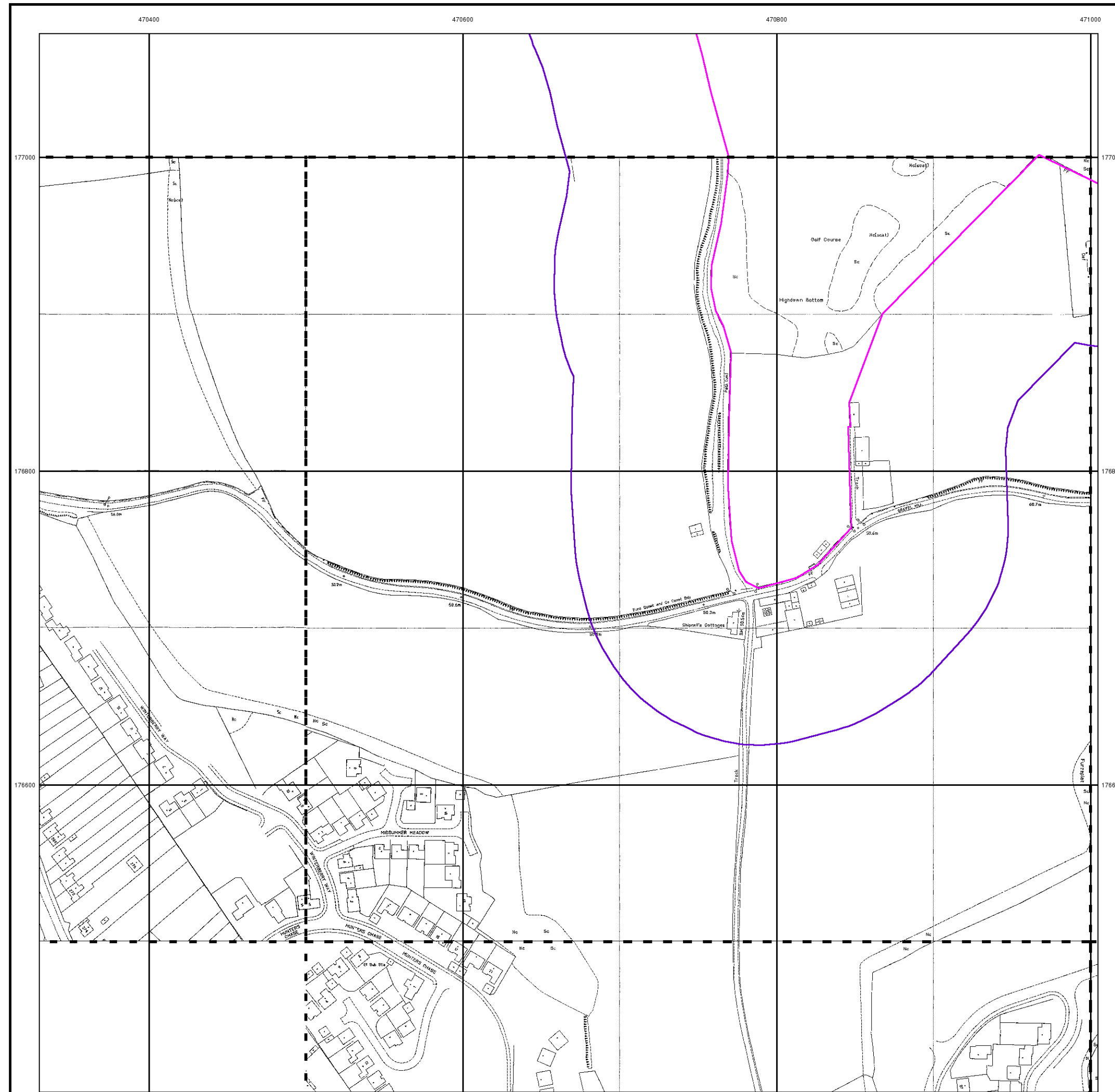
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Large-Scale National Grid Data

Published 1994 - 1995

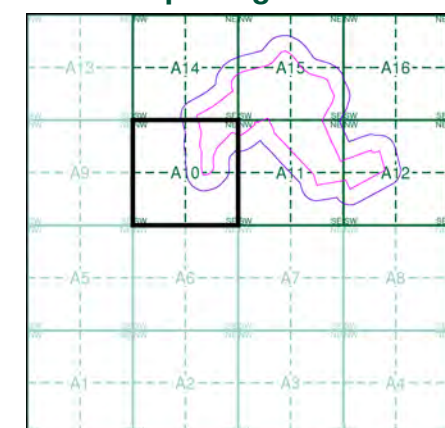
Source map scale - 1:1,250

'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)

SU7076NW 1994 1:1,250	SU7076NE 1995 1:1,250
SU7076SE 1995 1:1,250	SU7176SW 1995 1:1,250

Historical Map - Segment A10



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Large-Scale National Grid Data

Published 1995

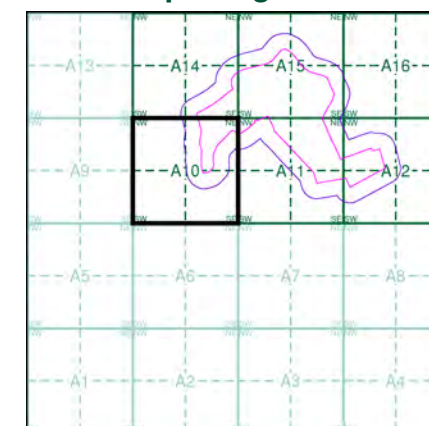
Source map scale - 1:1,250

'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)

SU7076NW 1995 1:1,250	SU7076NE 1995 1:1,250
	SU7076SE 1995 1:1,250

Historical Map - Segment A10



Order Details

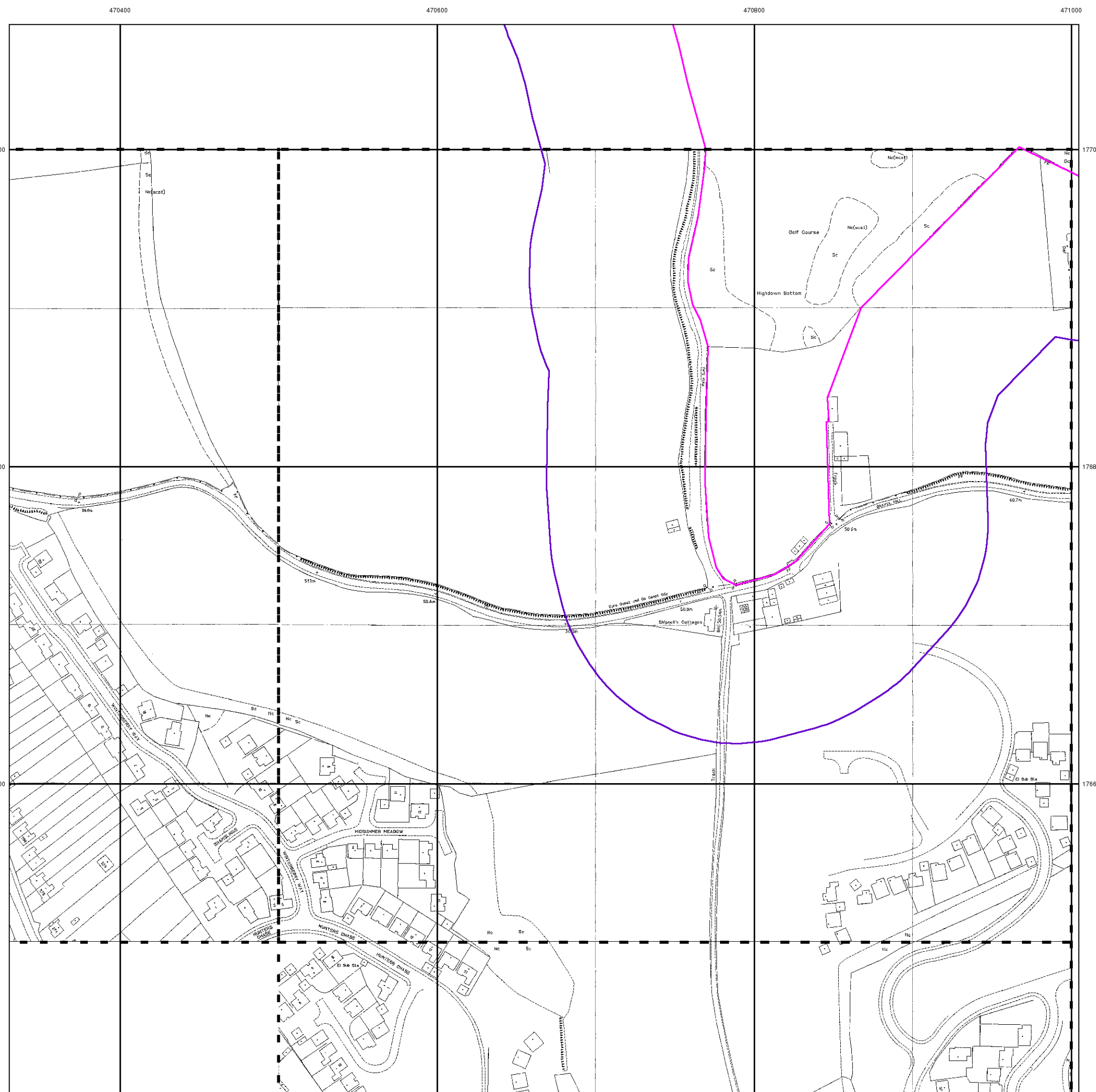
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

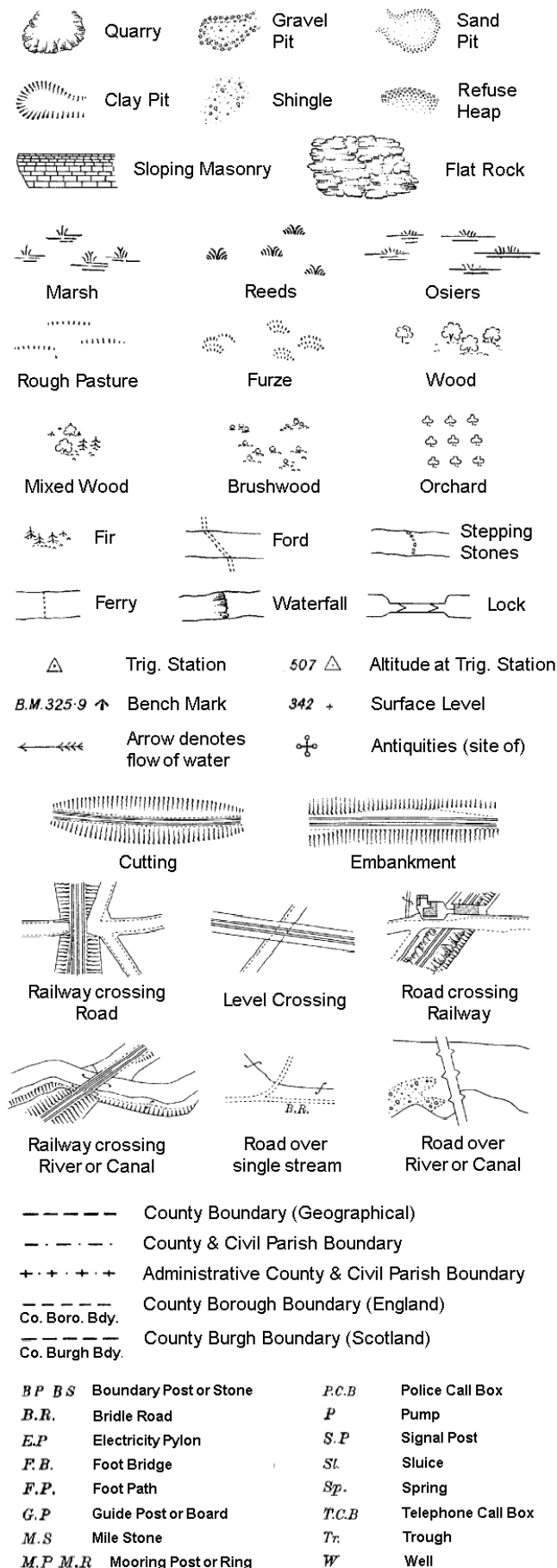


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

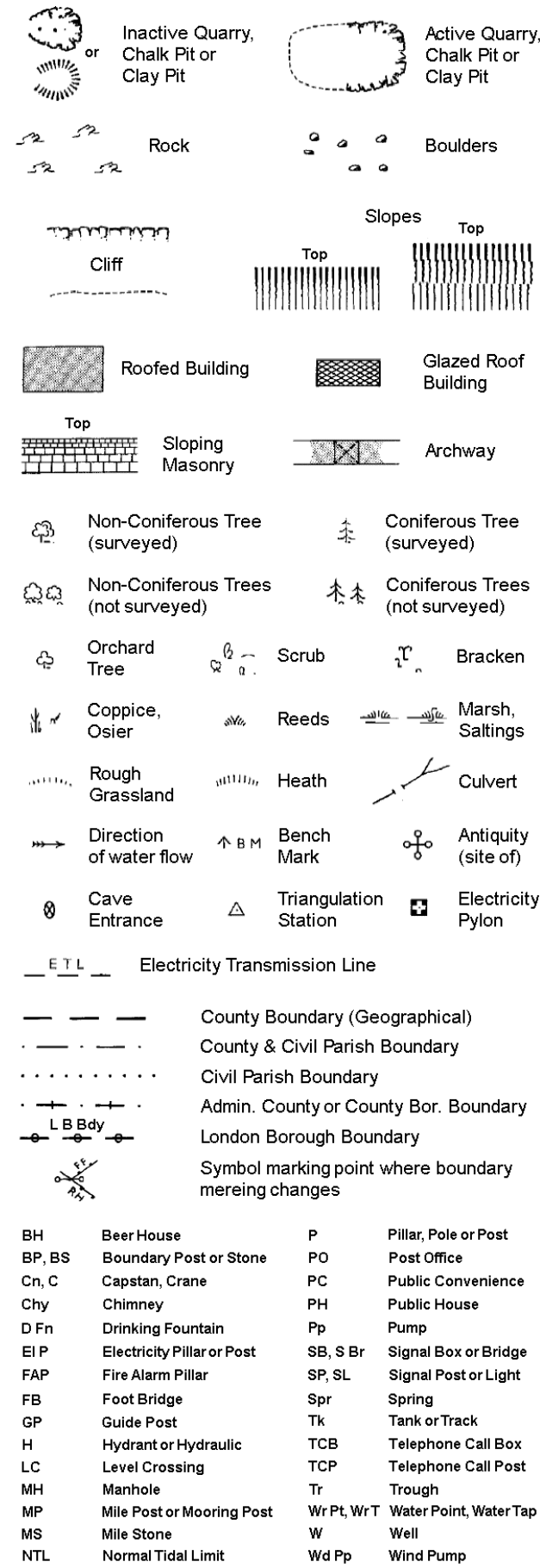


Historical Mapping Legends

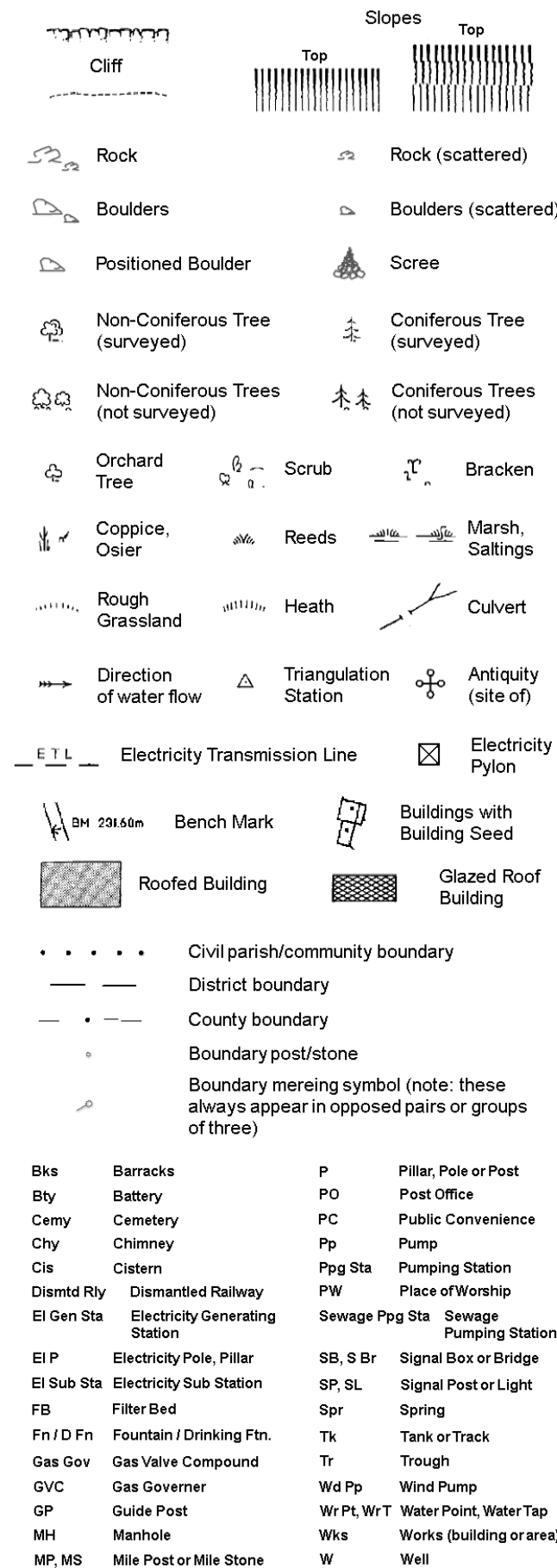
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



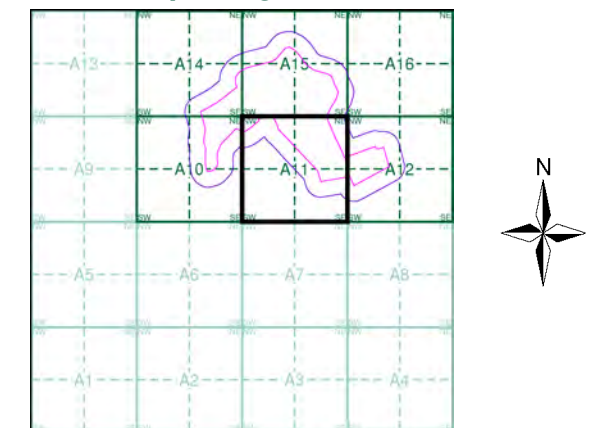
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:1,250	1956	6
Ordnance Survey Plan	1:2,500	1956 - 1957	7
Additional SIMs	1:1,250	1956 - 1989	8
Ordnance Survey Plan	1:1,250	1967 - 1972	9
Additional SIMs	1:1,250	1985 - 1988	10
Large-Scale National Grid Data	1:1,250	1993	11
Large-Scale National Grid Data	1:1,250	1995	12

Historical Map - Segment A11



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



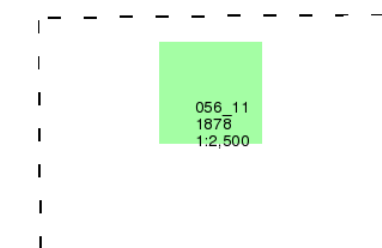
Oxfordshire

Published 1878

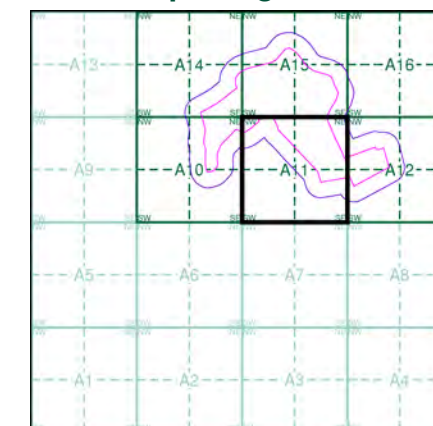
Source map scale - 1:2,500

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 A11



Order Details

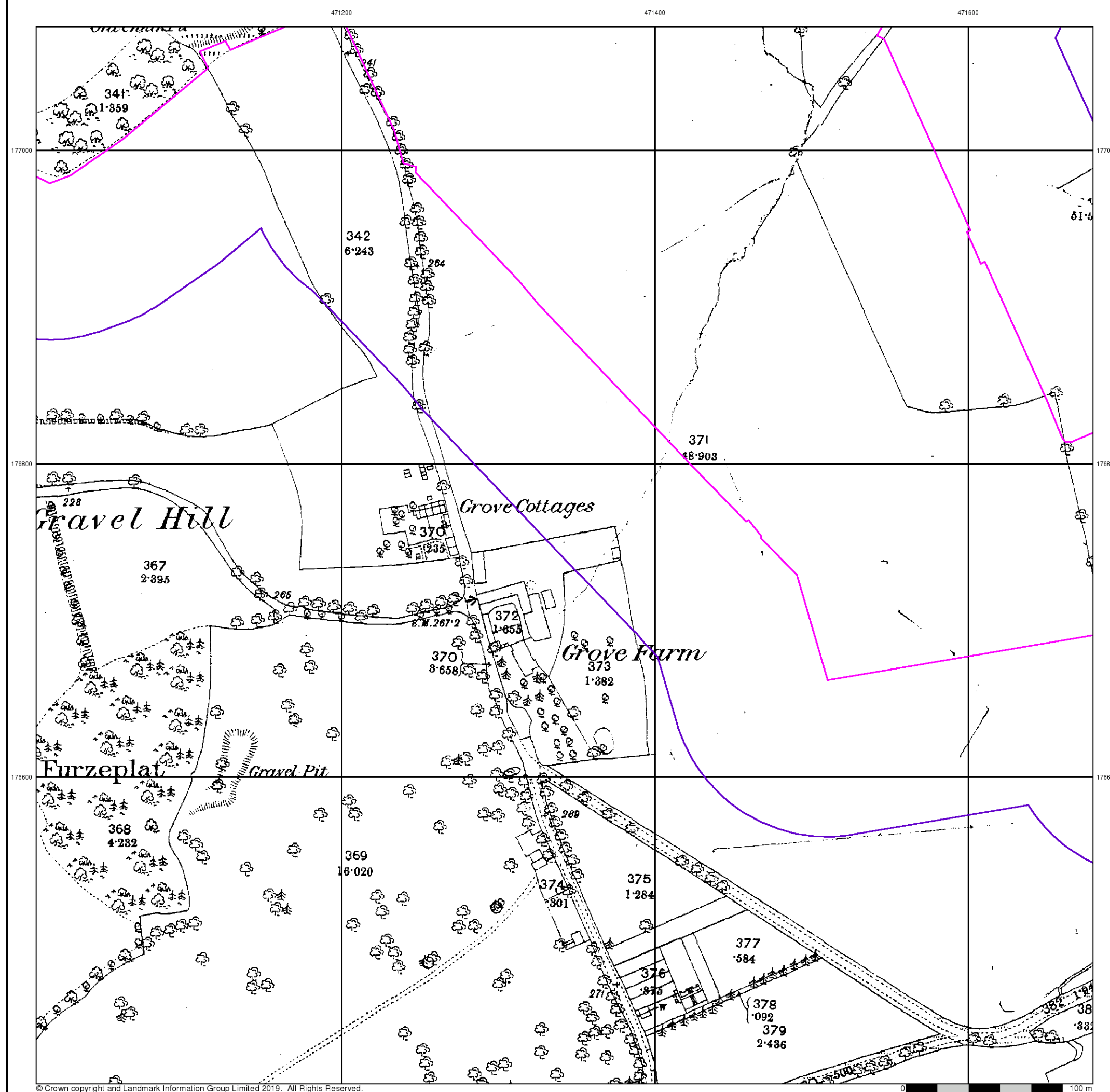
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





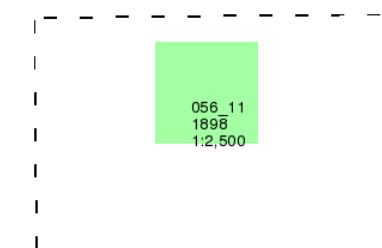
Oxfordshire

Published 1898

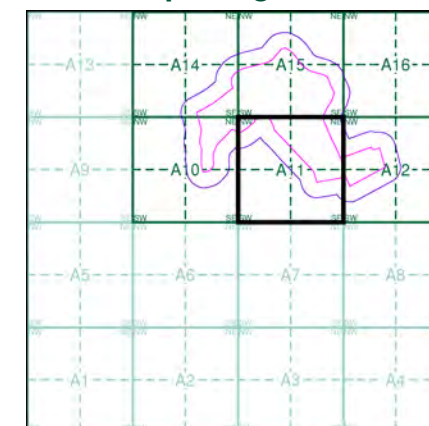
Source map scale - 1:2,500

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 A11



Order Details

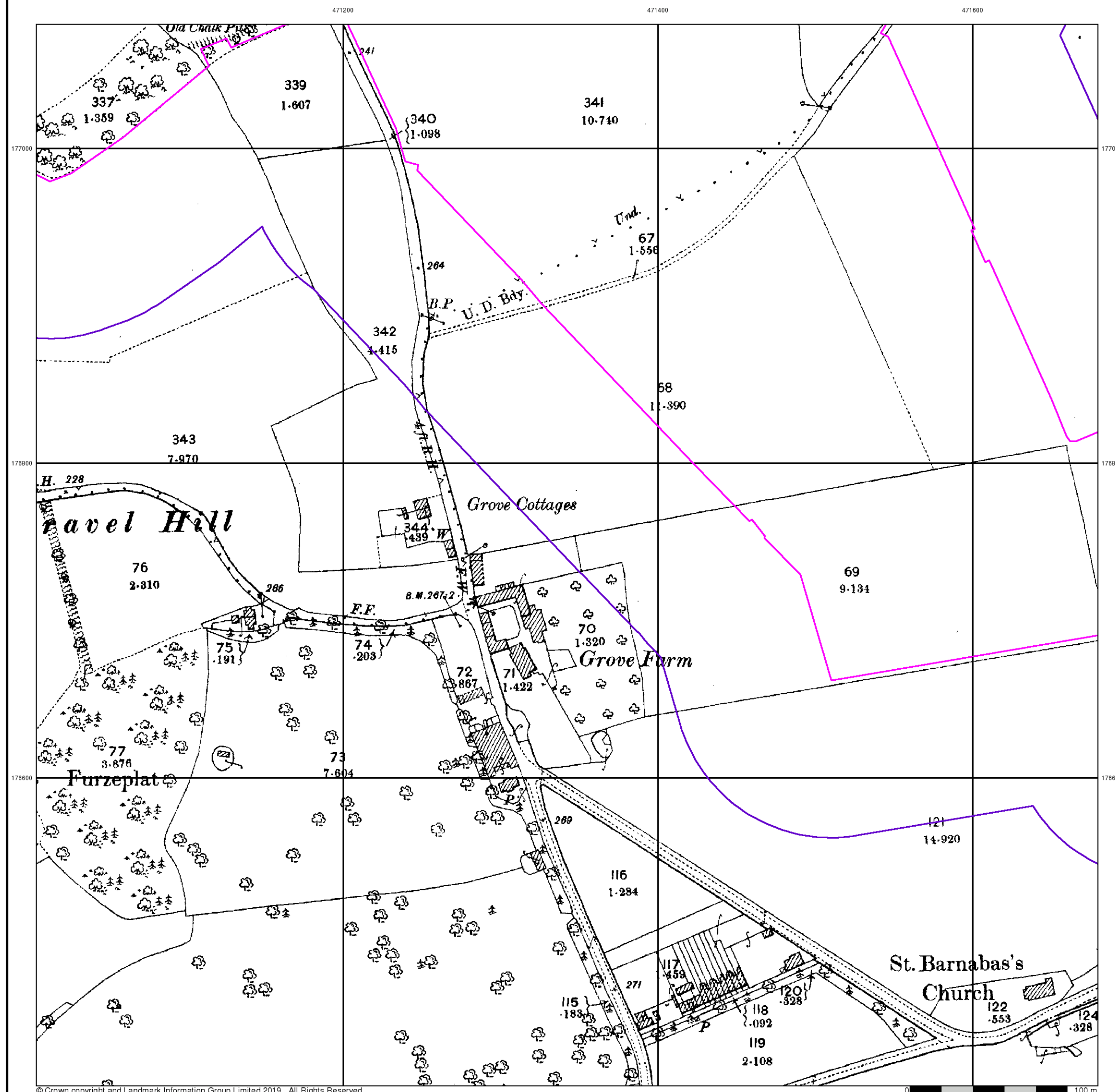
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

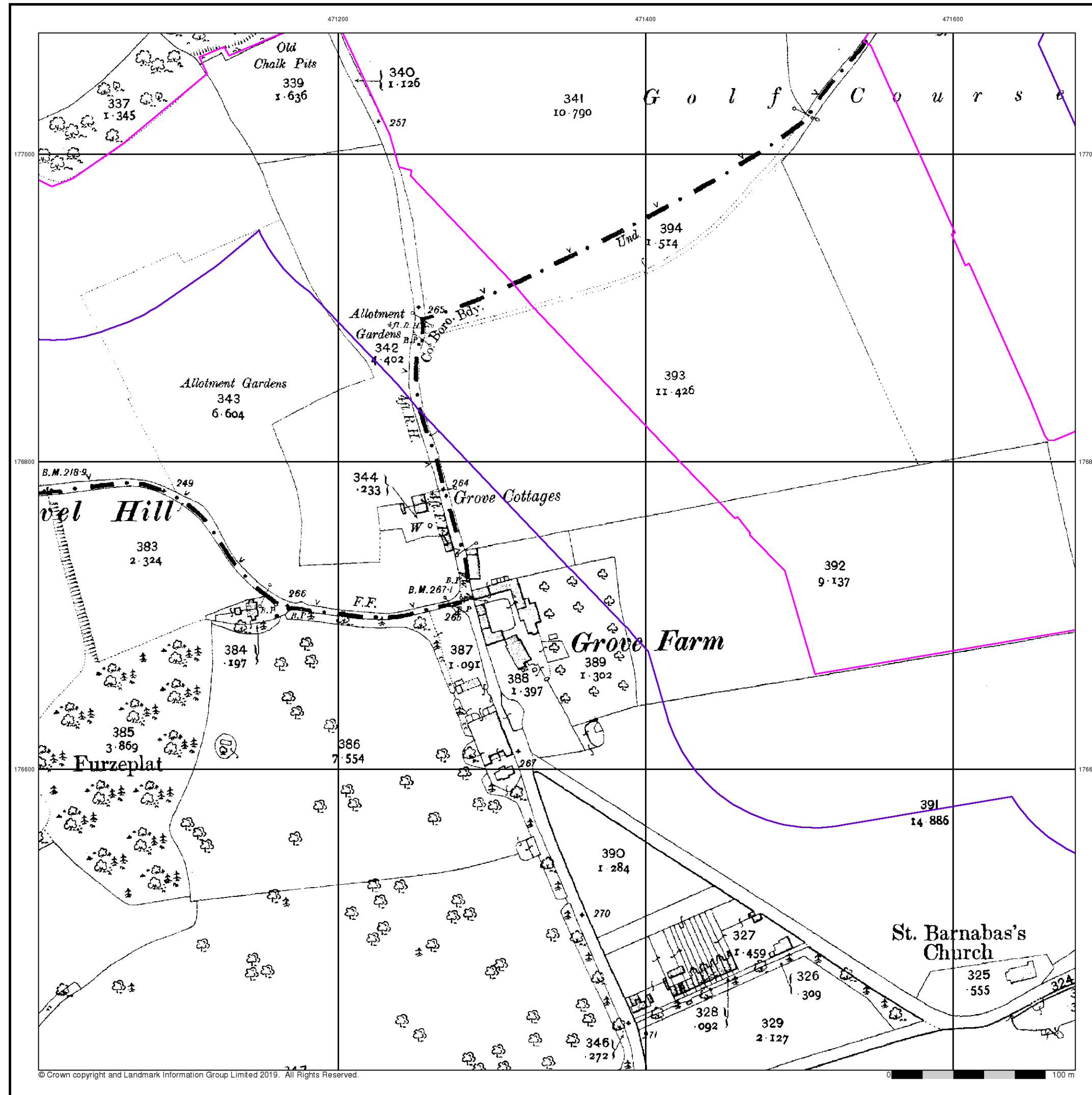
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





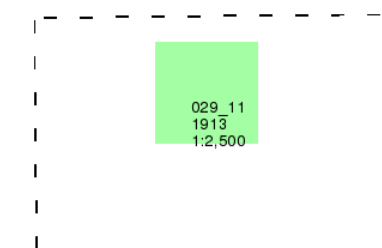
Berkshire

Published 1913

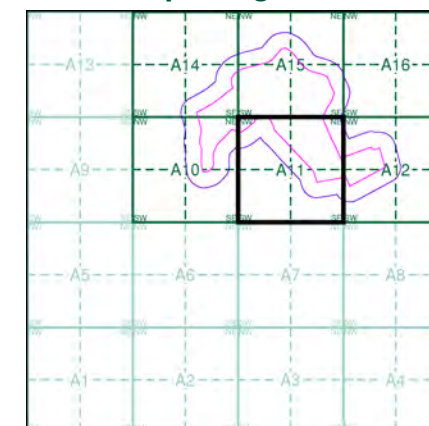
Source map scale - 1:2,500

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 A11



Order Details

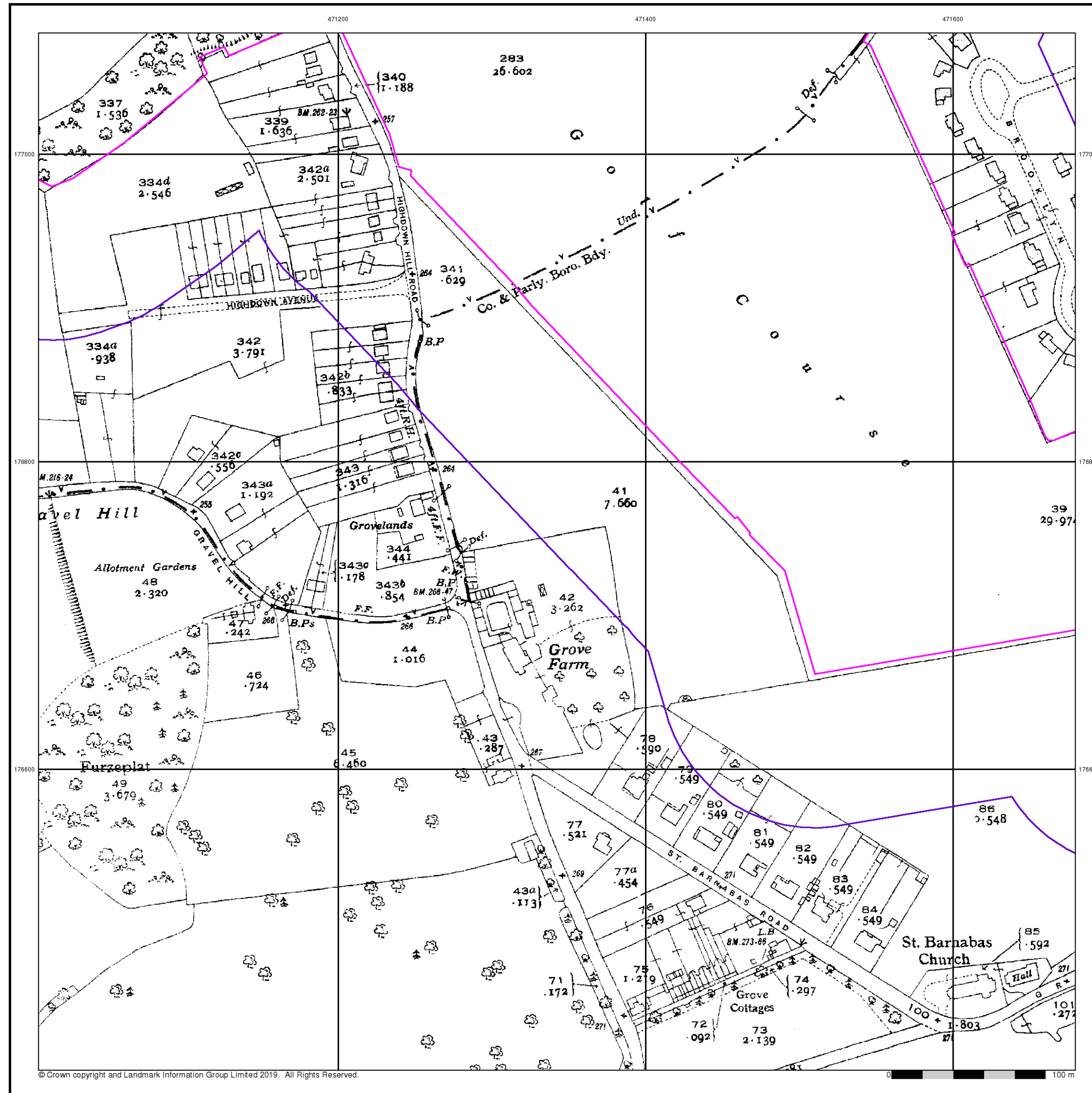
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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



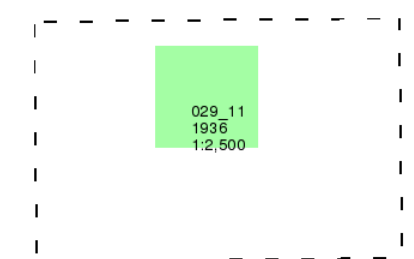
Berkshire

Published 1936

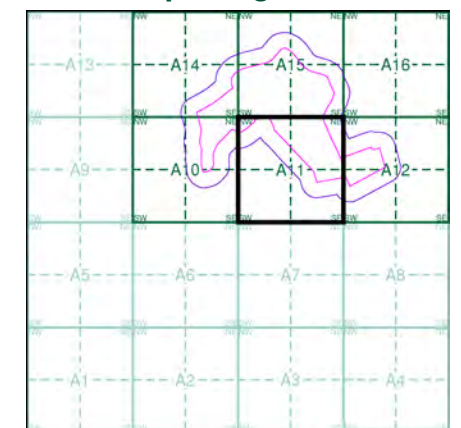
Source map scale - 1:2,500

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 A11



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Ordnance Survey Plan

Published 1956

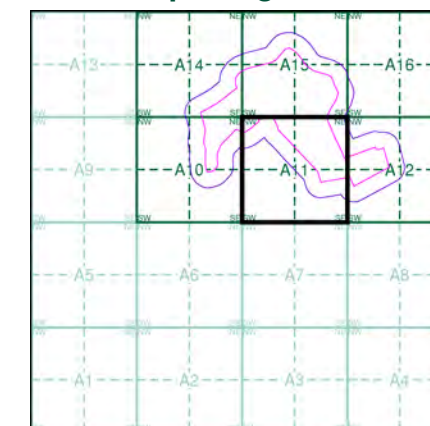
Source map scale - 1:1,250

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)

U7177SV	U7177SE
956	956
1:1,250	1:1,250
U7176NV	U7176NE
956	956
1:1,250	1:1,250
U7176SW	U7176SE
956	956
1:1,250	1:1,250

Historical Map - Segment A11



Order Details

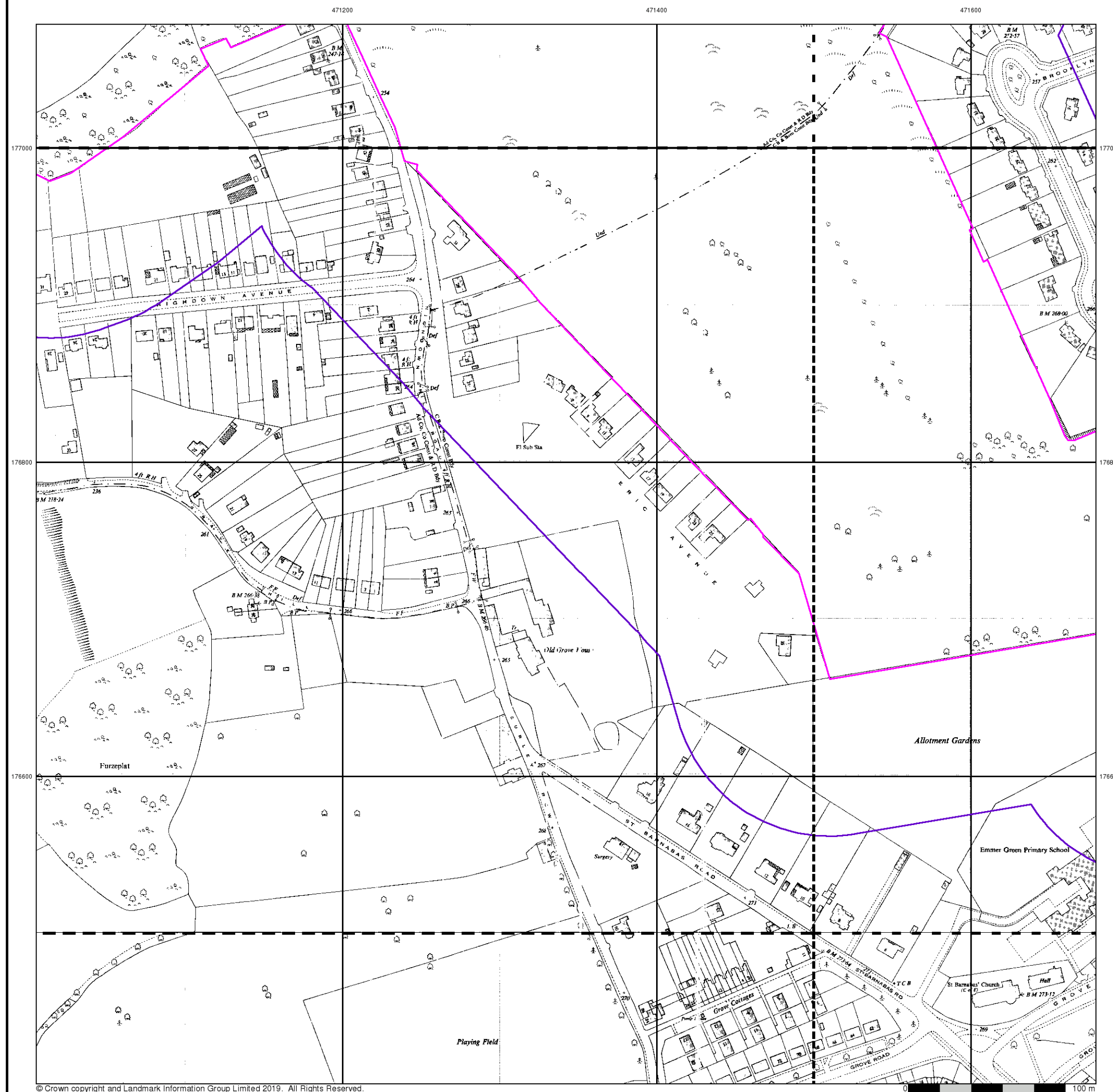
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Ordnance Survey Plan

Published 1956 - 1957

Source map scale - 1:2,500

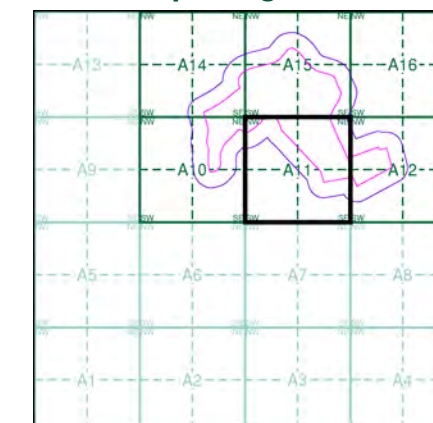
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SU7177
1956
1:2,500

SU7176
1957
1:2,500

Historical Map - Segment A11



Order Details

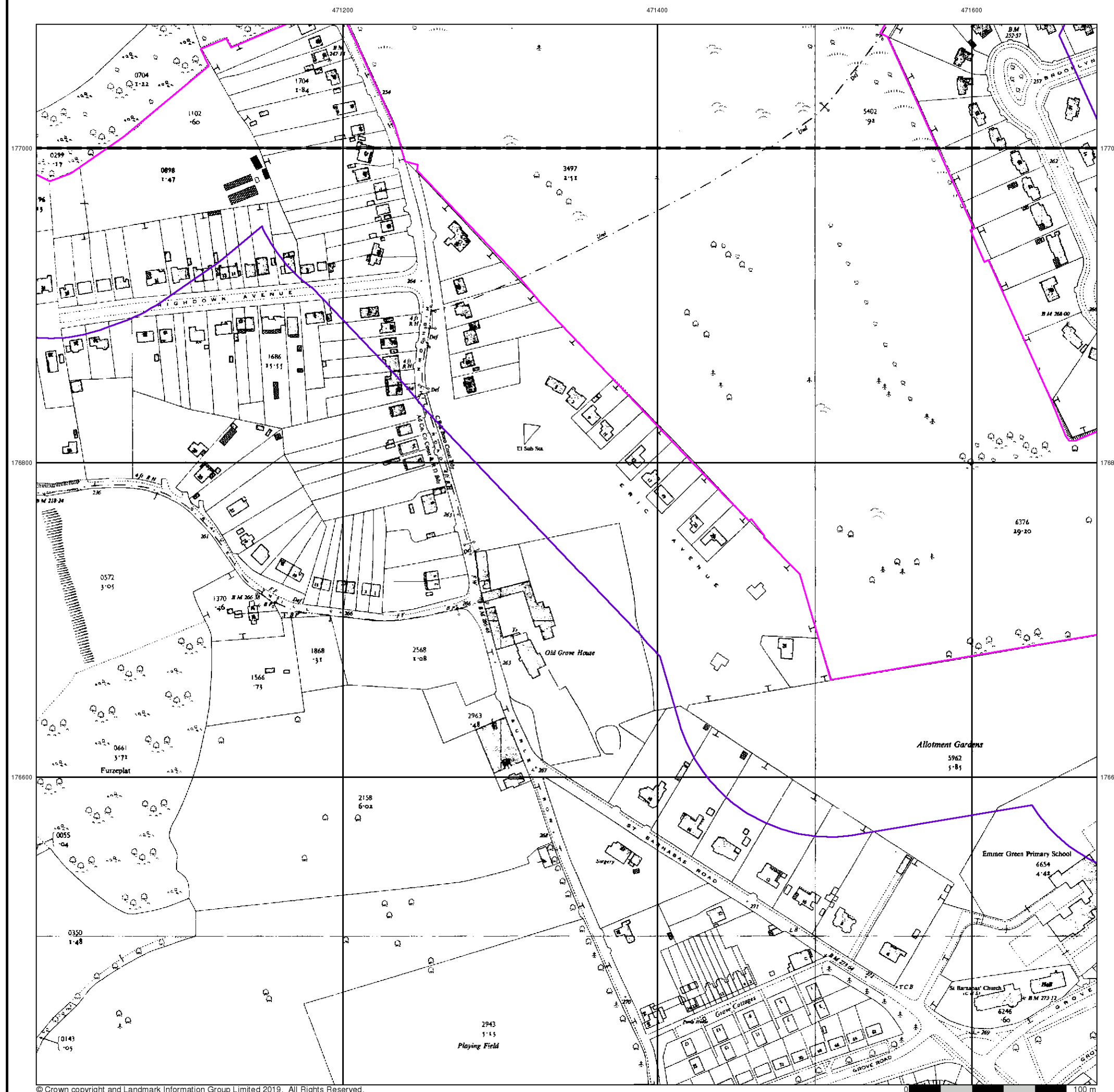
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

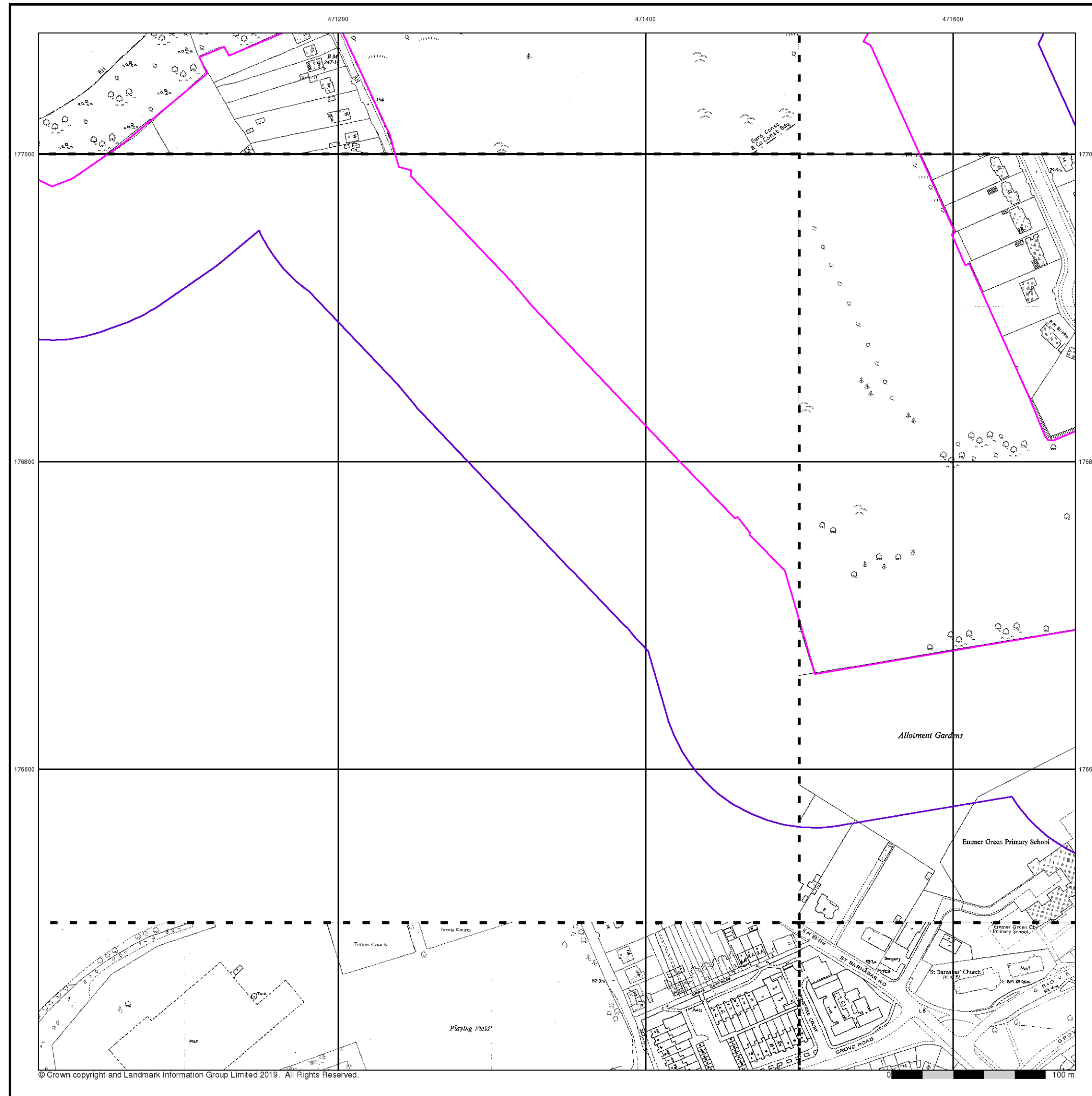
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Additional SIMs

Published 1956 - 1989

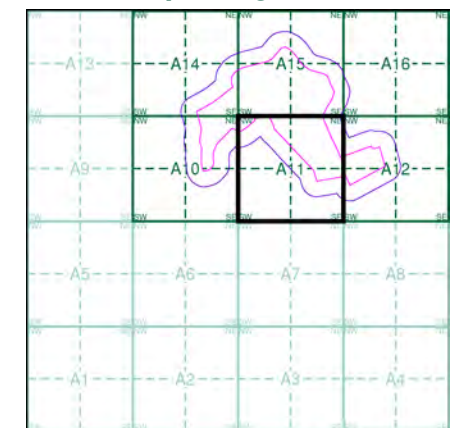
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

BU7177SW	986	1:1,250
BU7176NE	1956	1:1,250
BU7176SW	978	1:1,250
BU7176SE	989	1:1,250

Historical Map - Segment A11



Order Details

Order Number:	191585181_1_1
Customer Ref:	12112
National Grid Reference:	471120, 176760
Slice:	A
Site Area (Ha):	44.51
Search Buffer (m):	100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Ordnance Survey Plan

Published 1967 - 1972

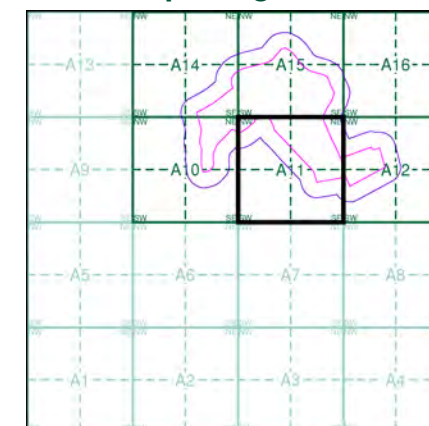
Source map scale - 1:1,250

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)

SU7177SE
1972
1:1,250
SU7176NW
1967
1:1,250
SU7176SW SU7176SE
1970 1970
1:1,250 1:1,250

Historical Map - Segment A11



Order Details

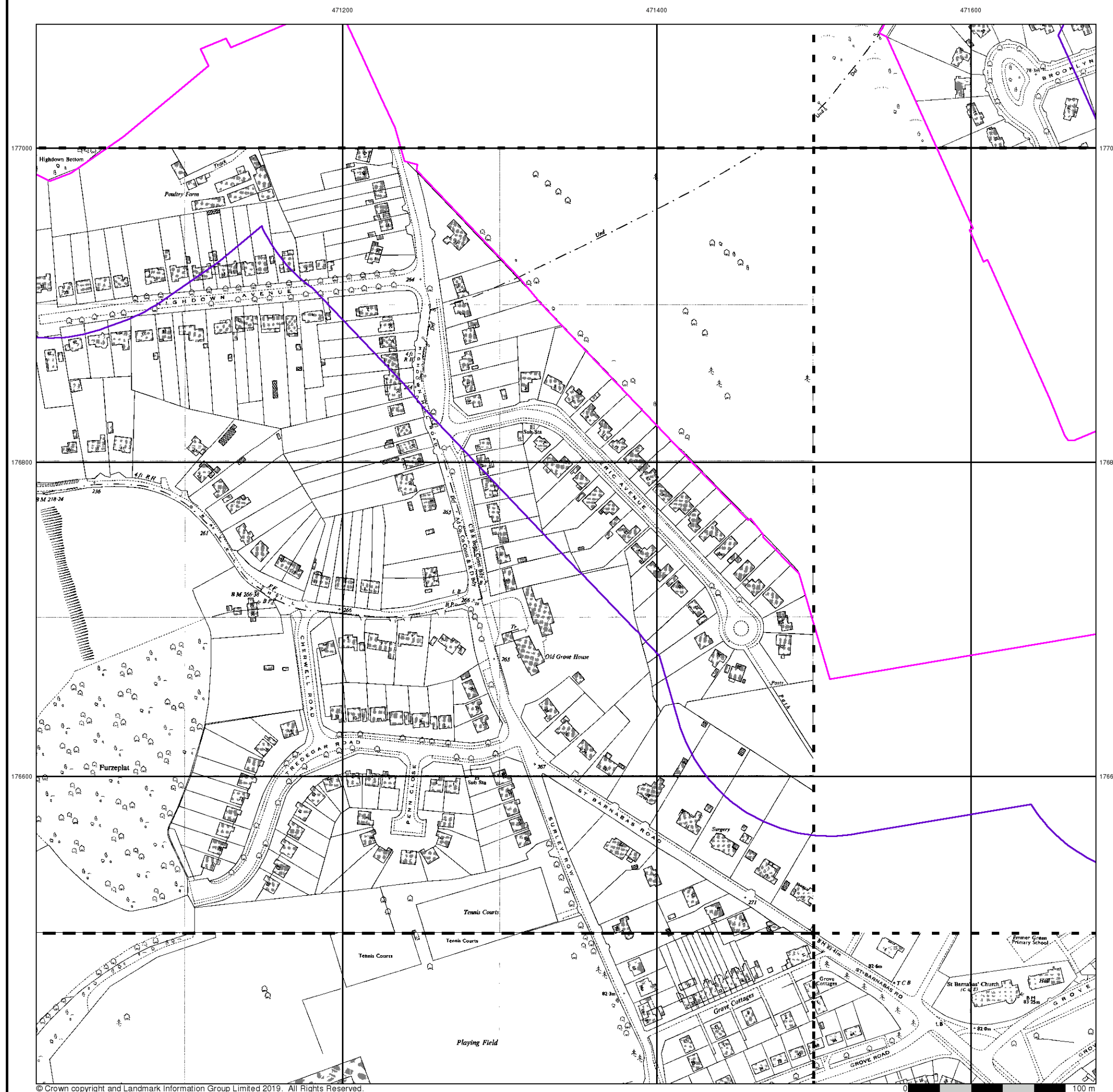
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

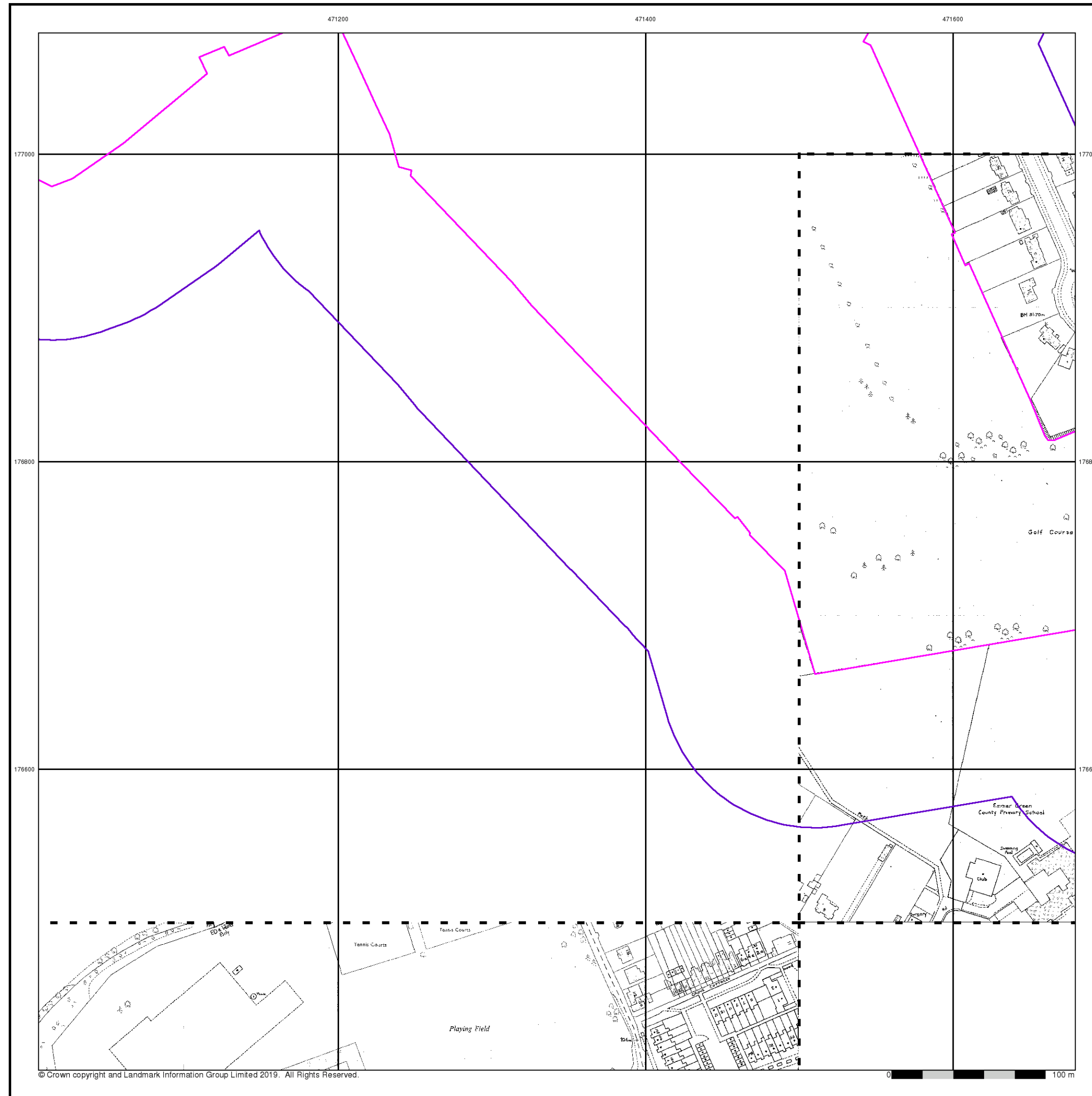
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





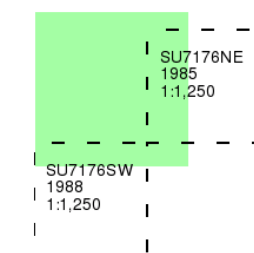
Additional SIMs

Published 1985 - 1988

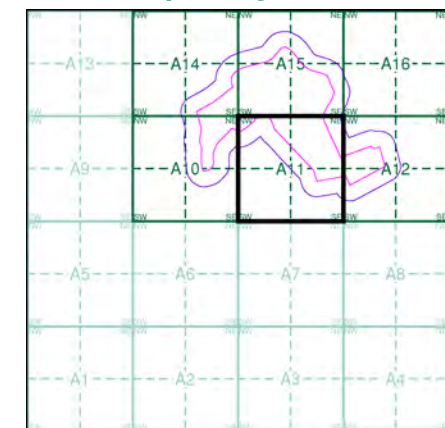
Source map scale - 1:1,250

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 A11



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Large-Scale National Grid Data

Published 1993

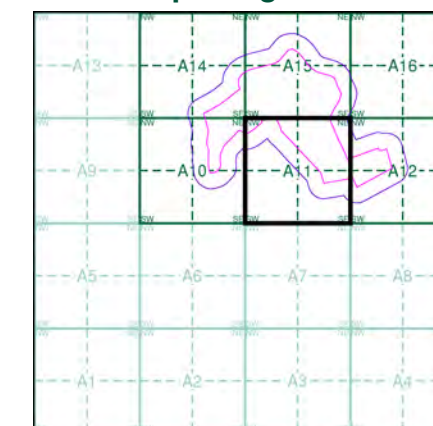
Source map scale - 1:1,250

'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)

BU7177SW	BU7177SE
993	993
1:1,250	1:1,250
BU7176NW	BU7176NE
993	993
1:1,250	1:1,250
BU7176SW	BU7176SE
993	993
1:1,250	1:1,250

Historical Map - Segment A11



Order Details

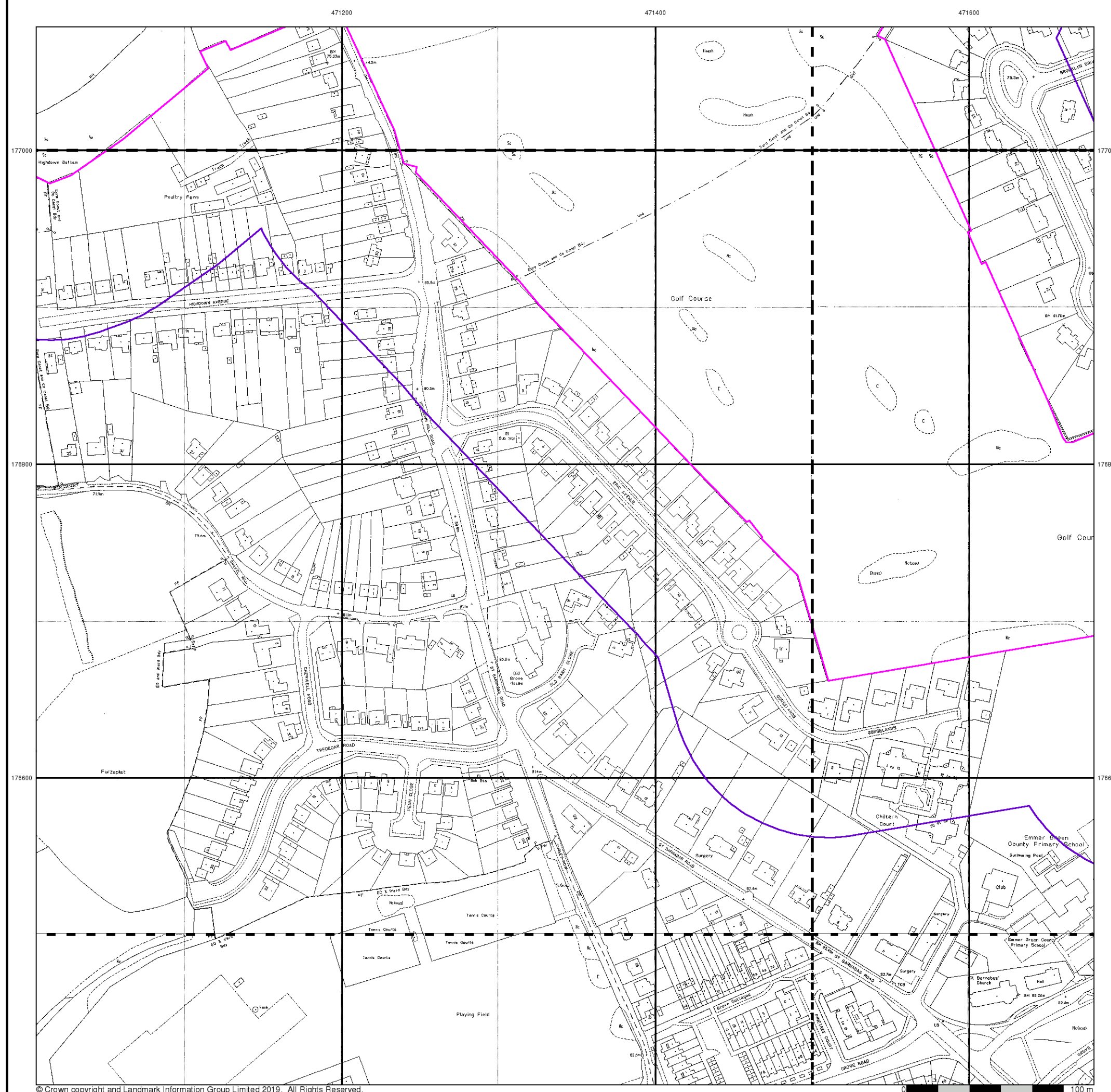
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





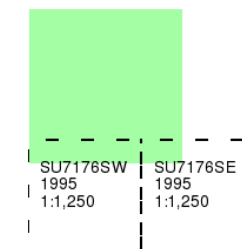
Large-Scale National Grid Data

Published 1995

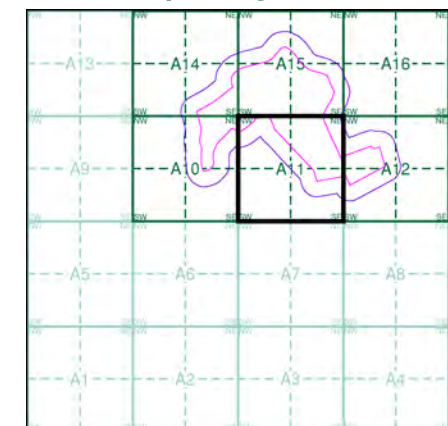
Source map scale - 1:1,250

'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 A11



Order Details

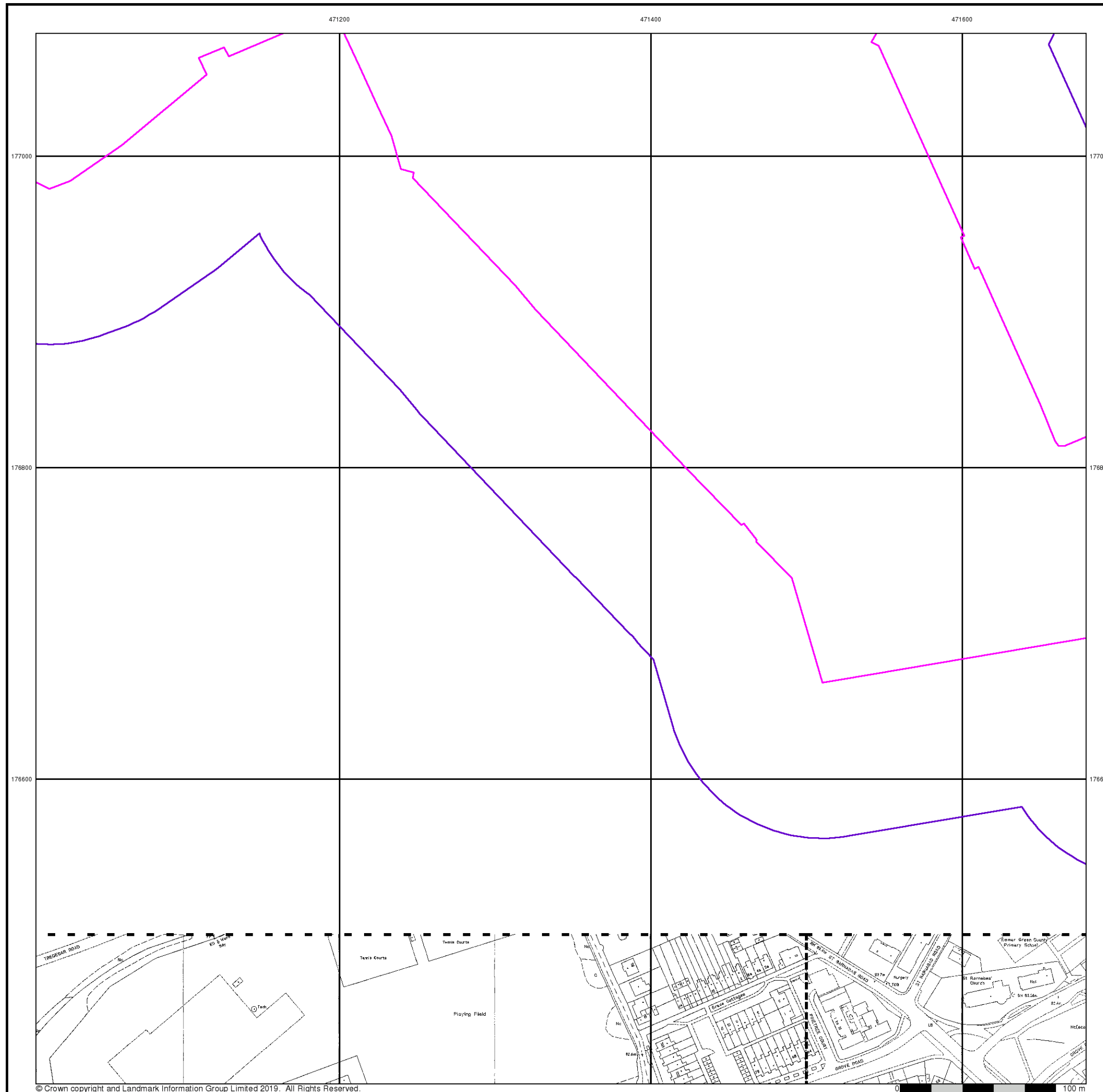
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

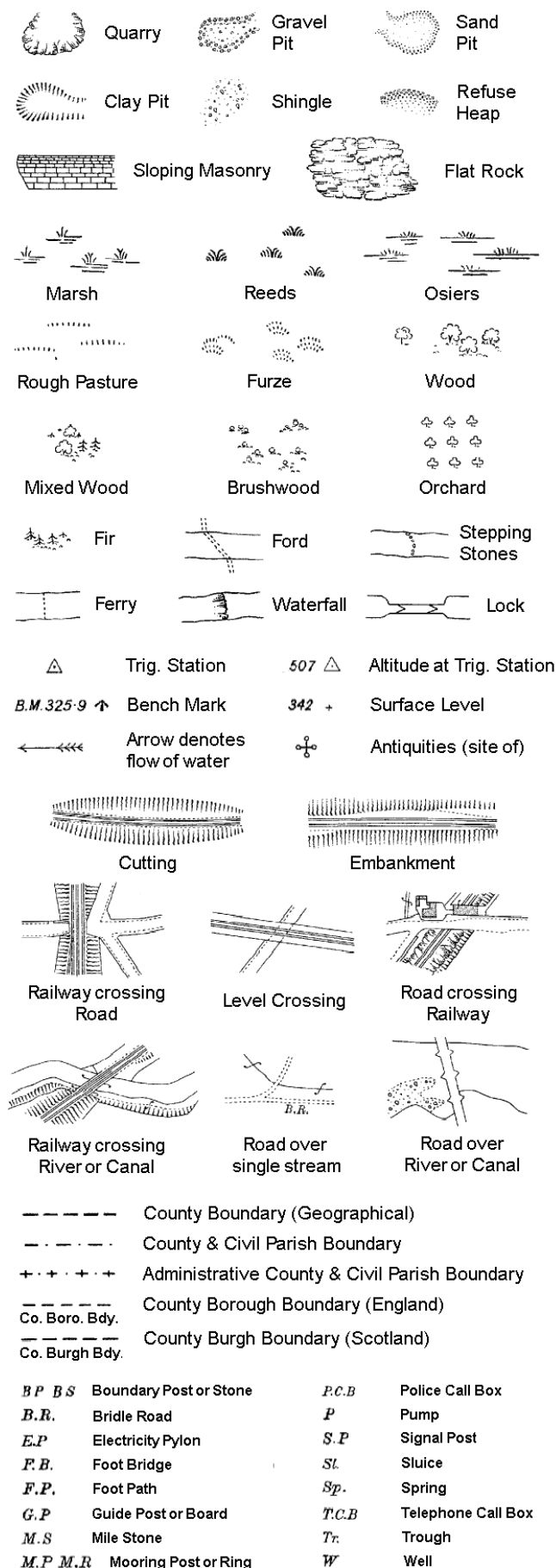


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Historical Mapping Legends

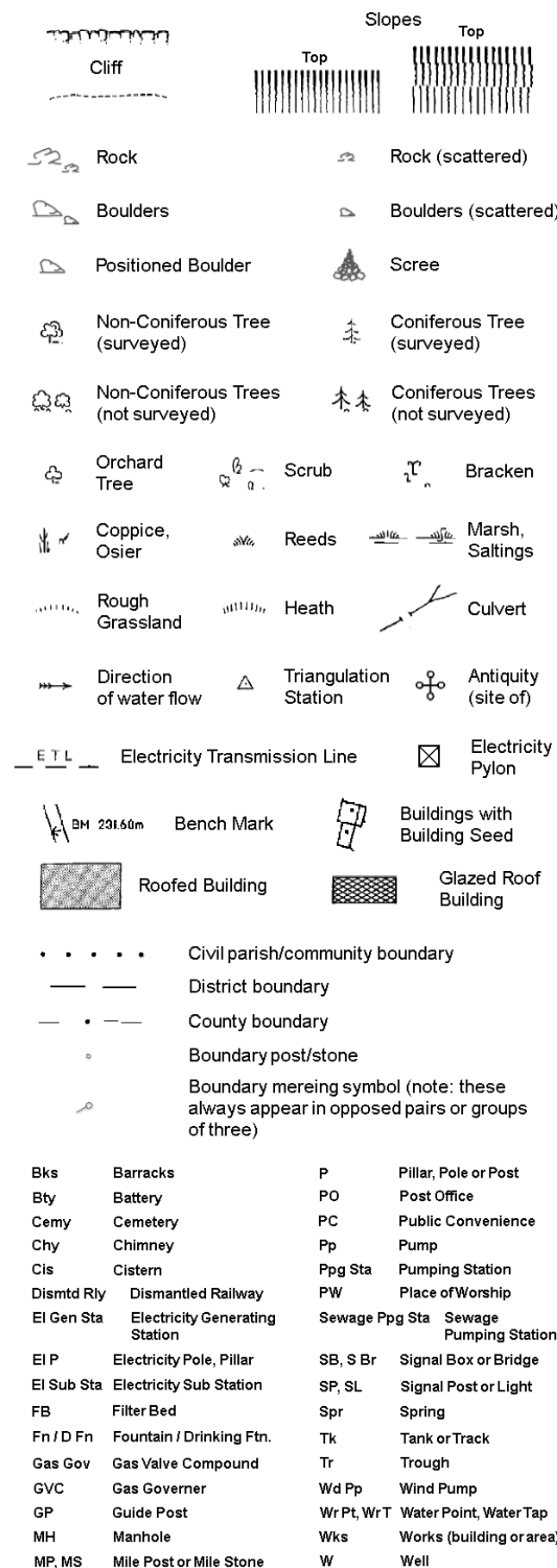
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



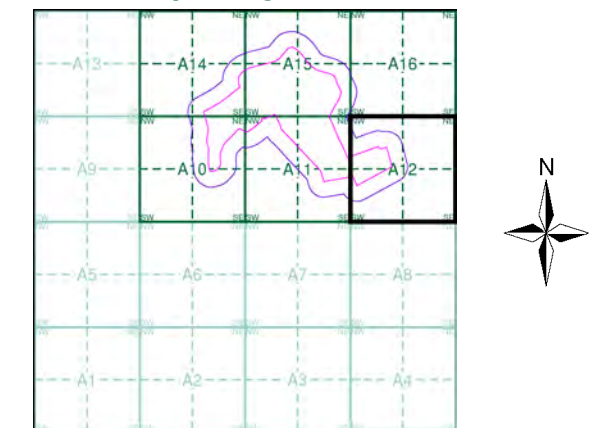
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:2,500	1956 - 1957	6
Ordnance Survey Plan	1:1,250	1956	7
Additional SIMs	1:1,250	1956 - 1990	8
Ordnance Survey Plan	1:2,500	1968 - 1971	9
Ordnance Survey Plan	1:1,250	1968 - 1972	10
Ordnance Survey Plan	1:1,250	1972	11
Additional SIMs	1:1,250	1985	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1995	14
Large-Scale National Grid Data	1:1,250	1996	15

Historical Map - Segment A12



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



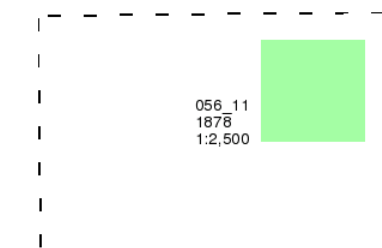
Oxfordshire

Published 1878

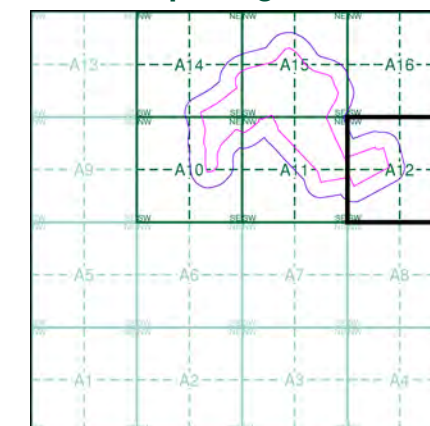
Source map scale - 1:2,500

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 A12



Order Details

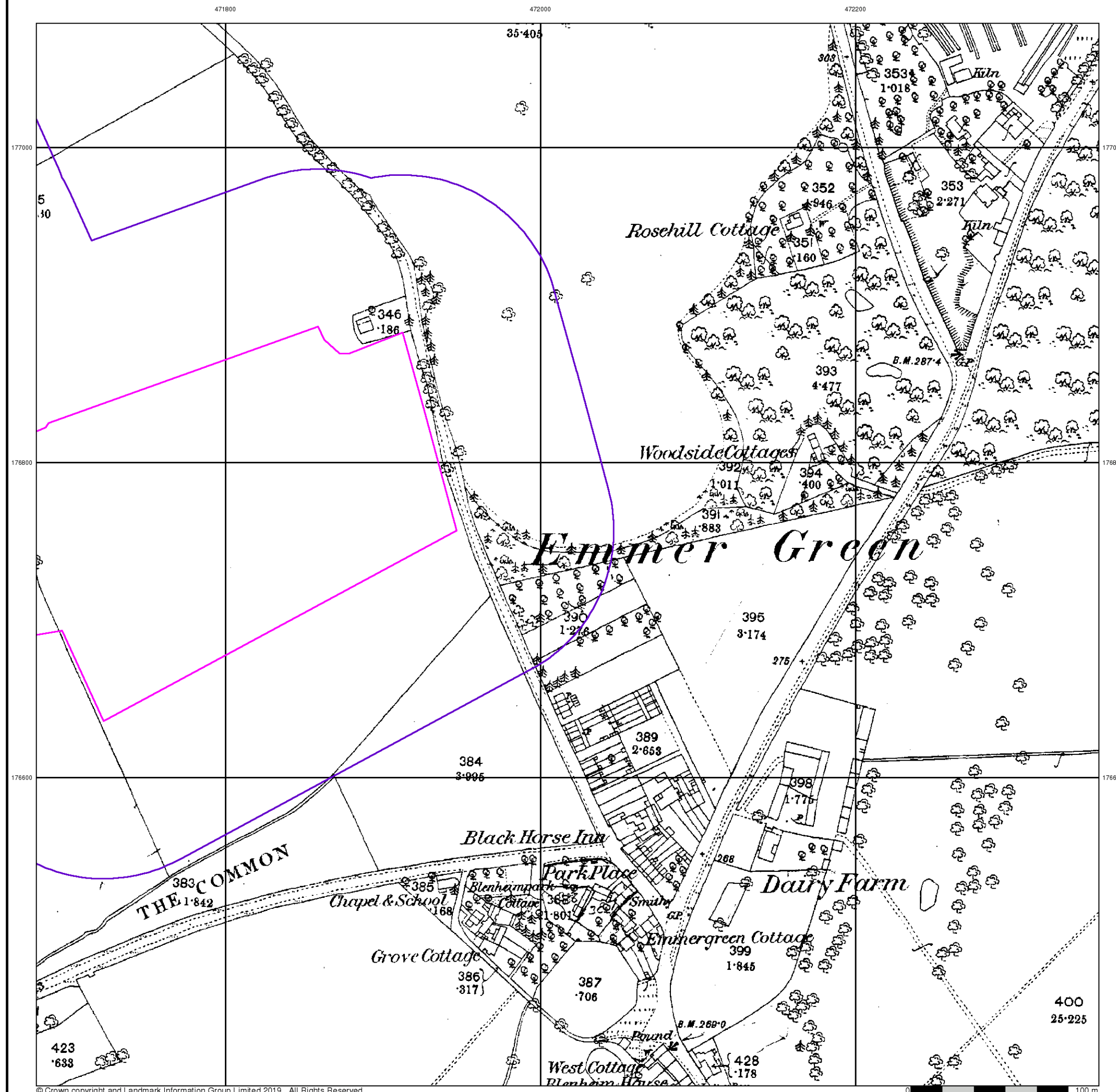
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





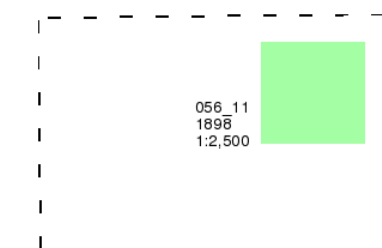
Oxfordshire

Published 1898

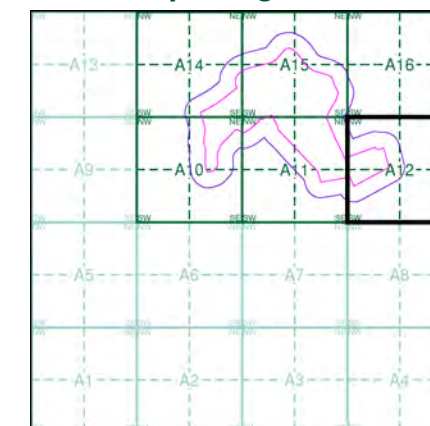
Source map scale - 1:2,500

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 A12



Order Details

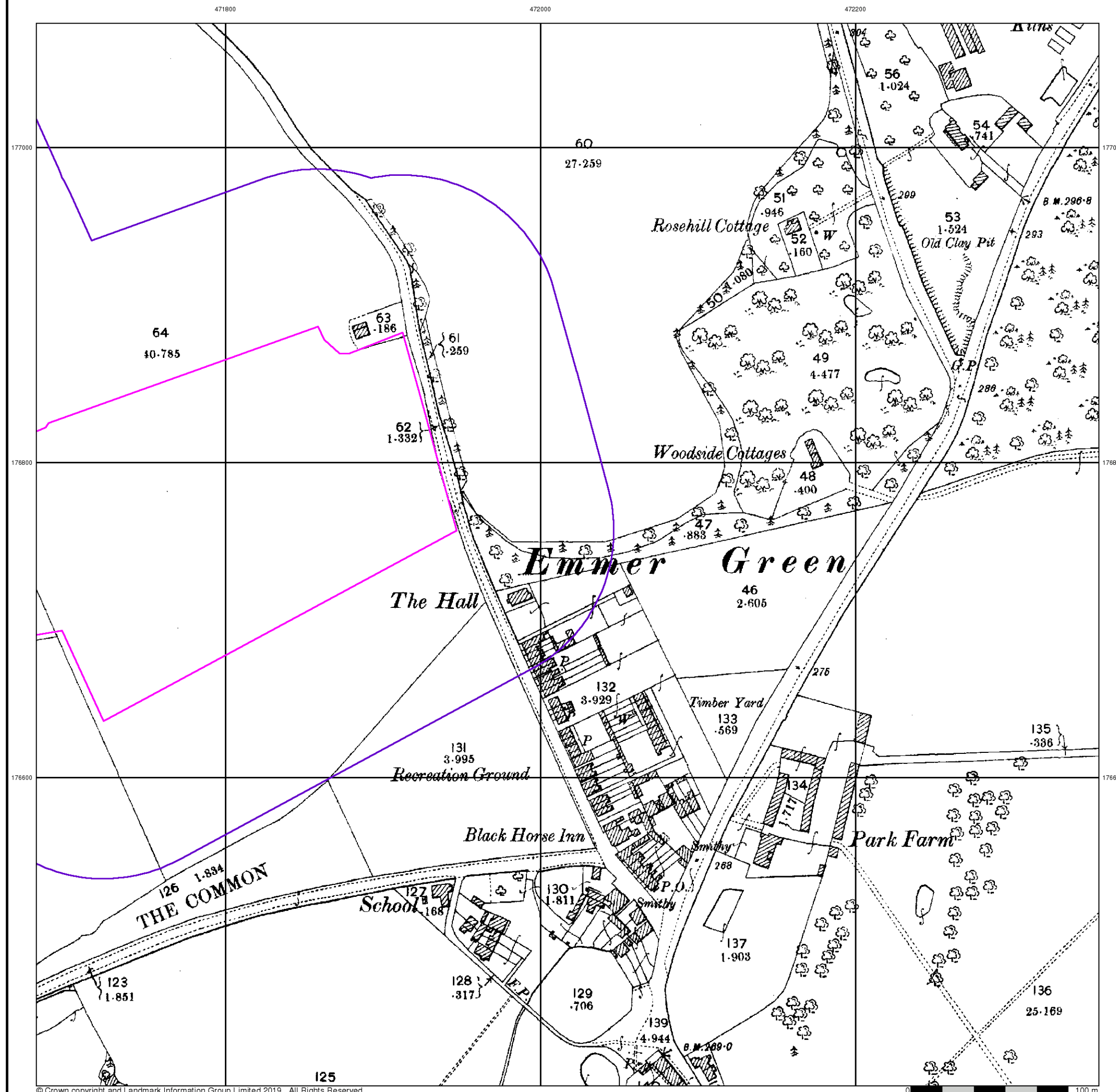
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





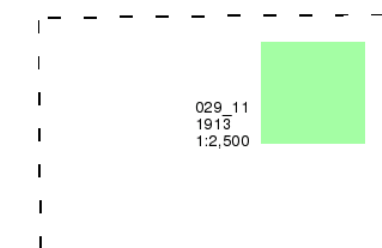
Berkshire

Published 1913

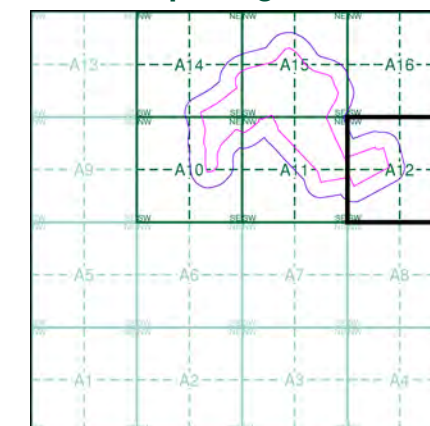
Source map scale - 1:2,500

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 A12



Order Details

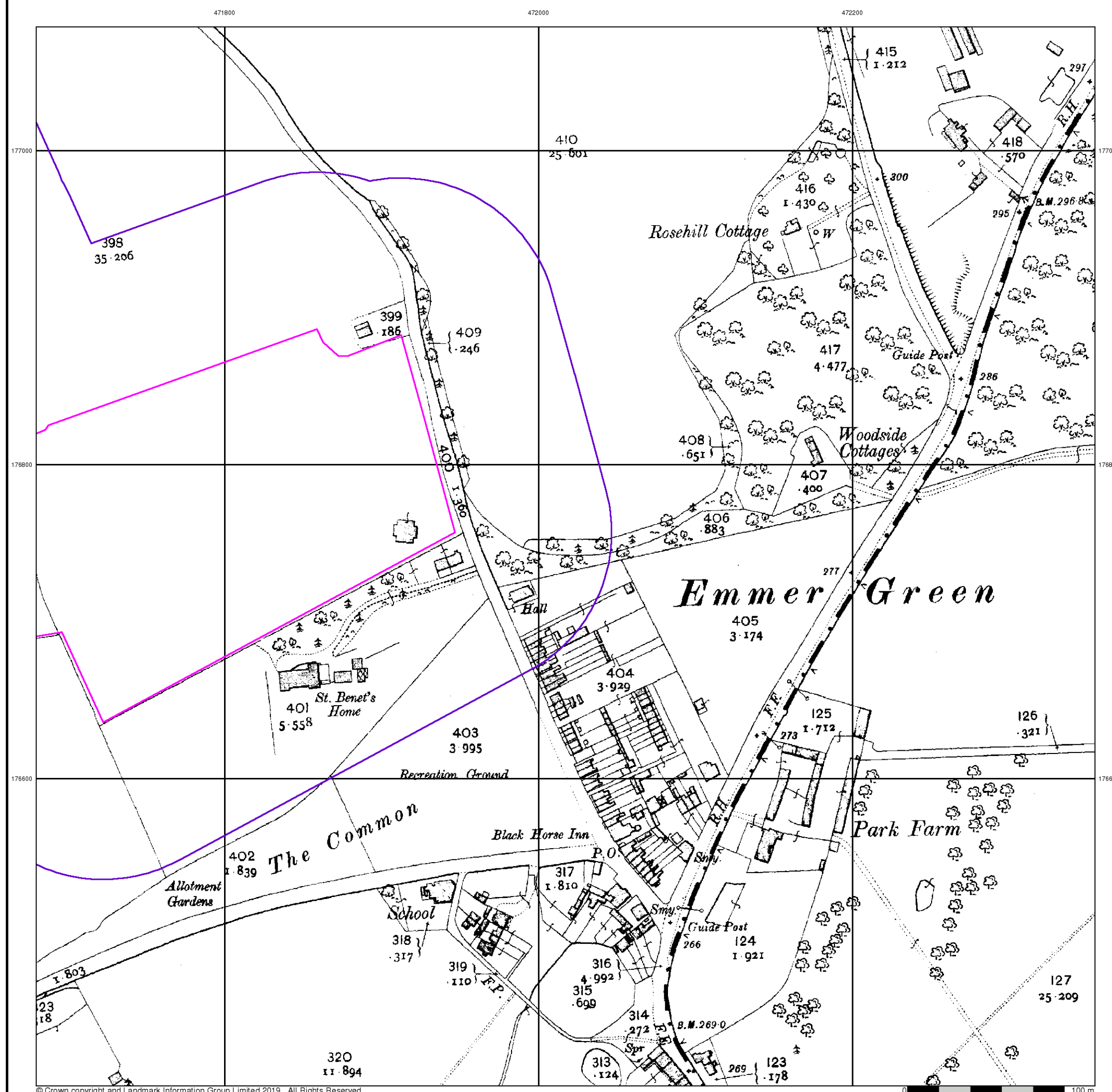
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





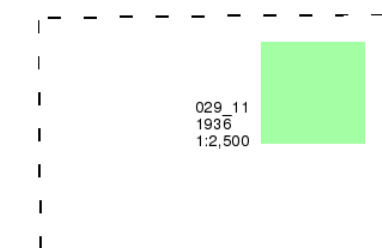
Berkshire

Published 1936

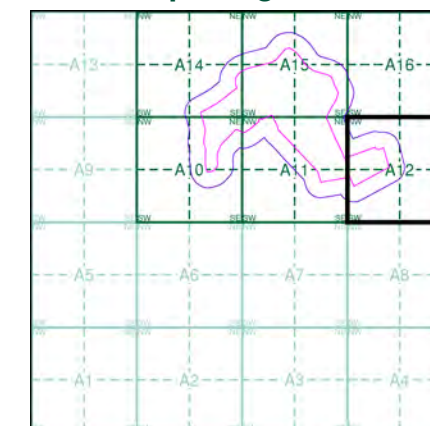
Source map scale - 1:2,500

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 A12



Order Details

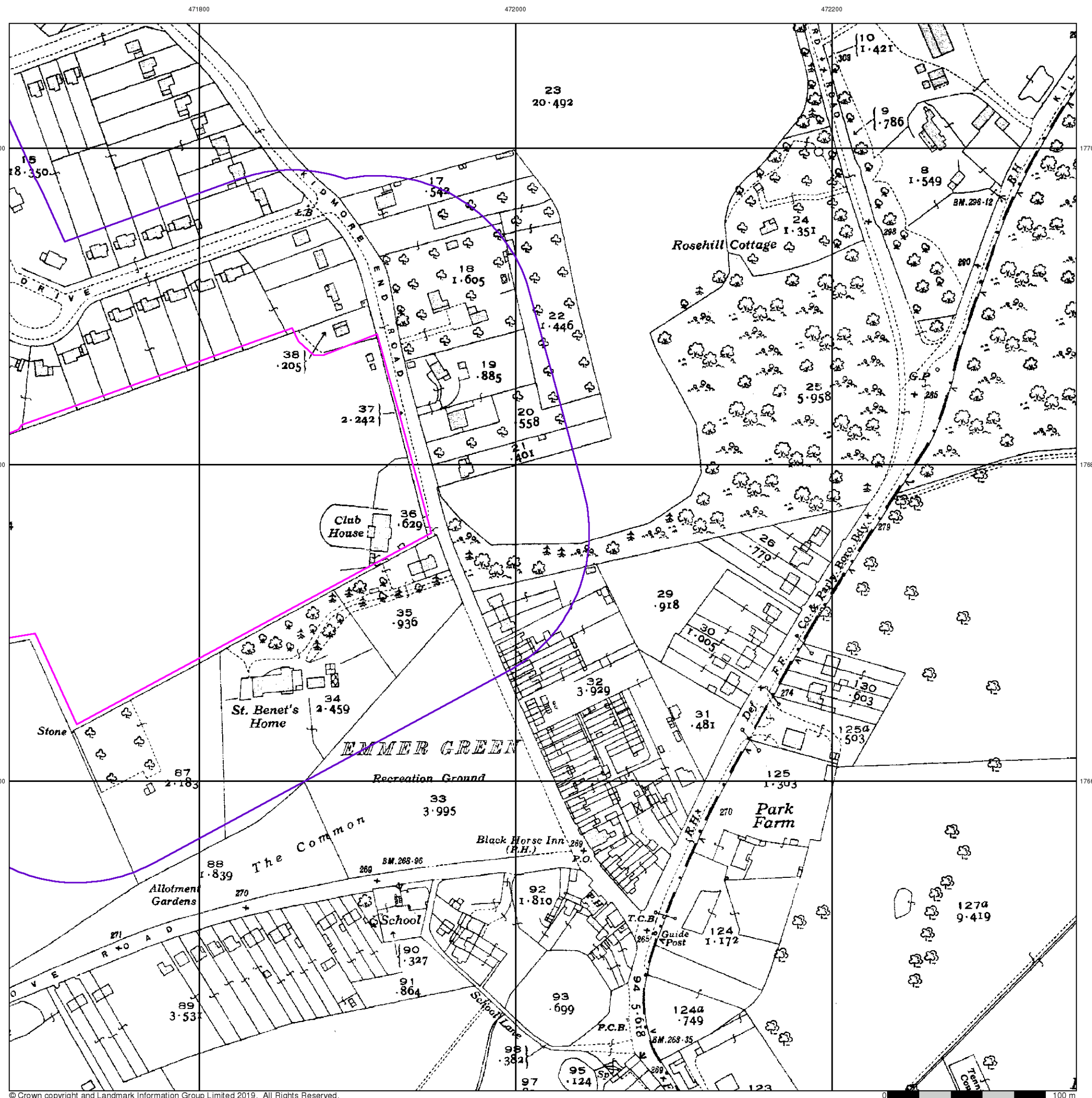
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

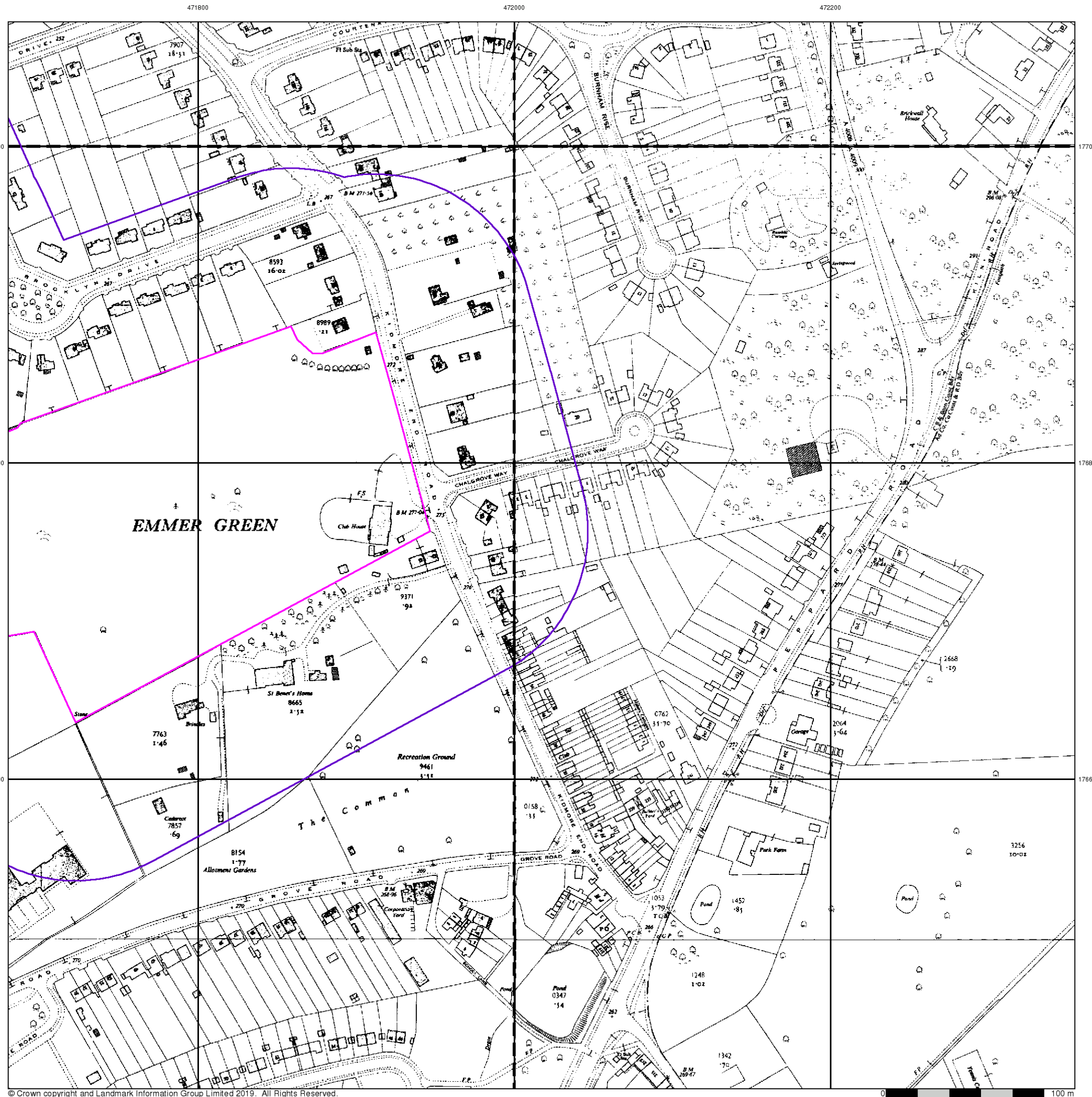
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.



Ordnance Survey Plan

Published 1956 - 1957

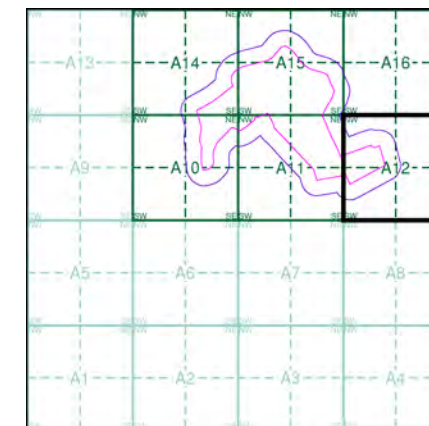
Source map scale - 1:2,500

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)

SU7177 1956 12,500	SU7277 1956 12,500
SU7176 1957 12,500	SU7276 1956 12,500

Historical Map - Segment A12



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



Ordnance Survey Plan

Published 1956

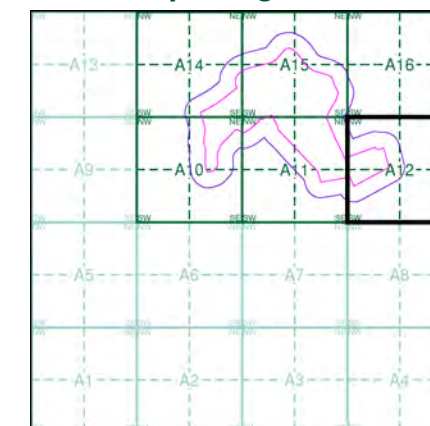
Source map scale - 1:1,250

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)

SU7177SE	SU7277SW
1956	1956
1:1,250	1:1,250
SU7176NE	SU7276NW
1956	1956
1:1,250	1:1,250
SU7176SE	SU7276SW
1956	1956
1:1,250	1:1,250

Historical Map - Segment A12



Order Details

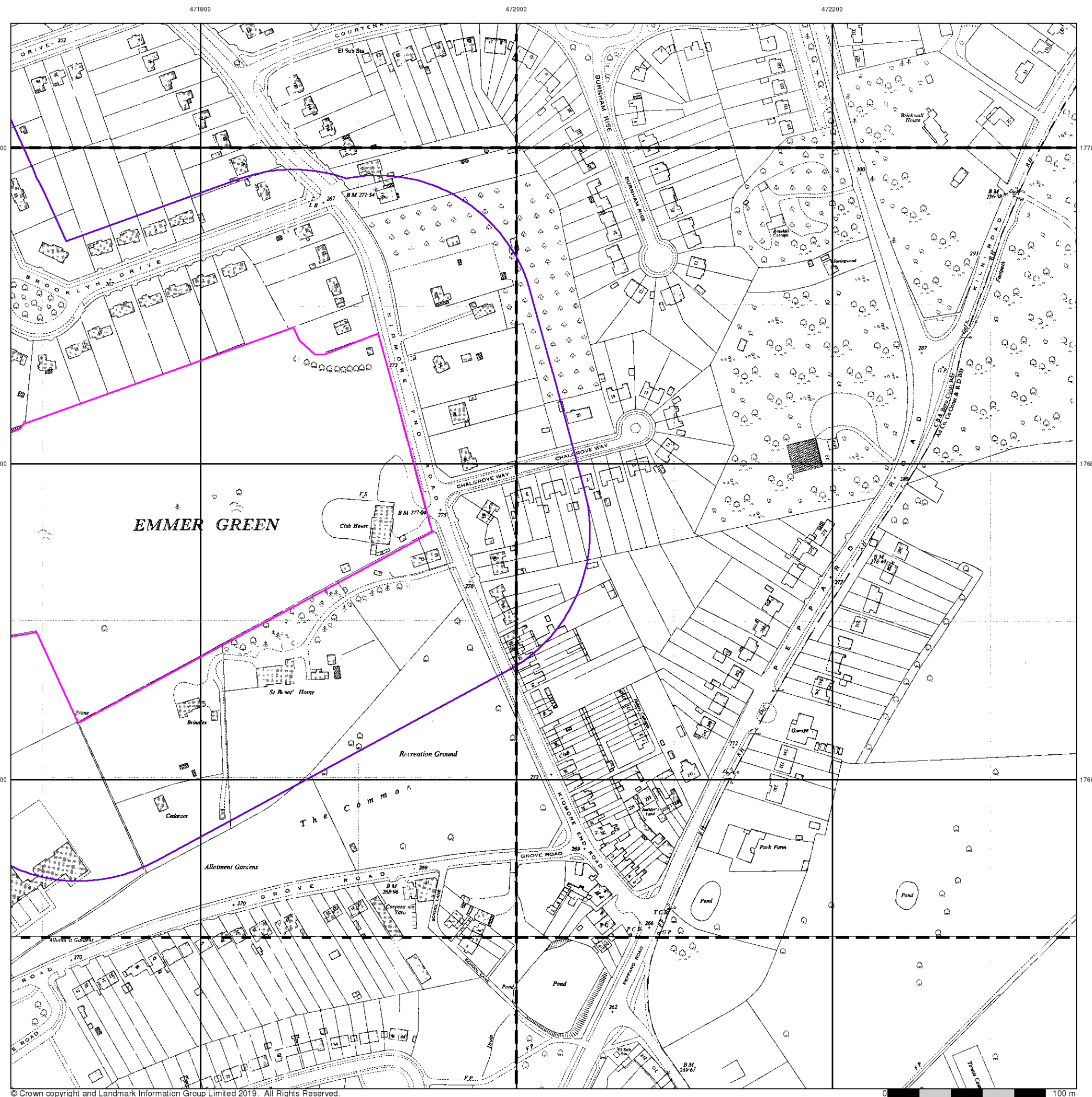
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

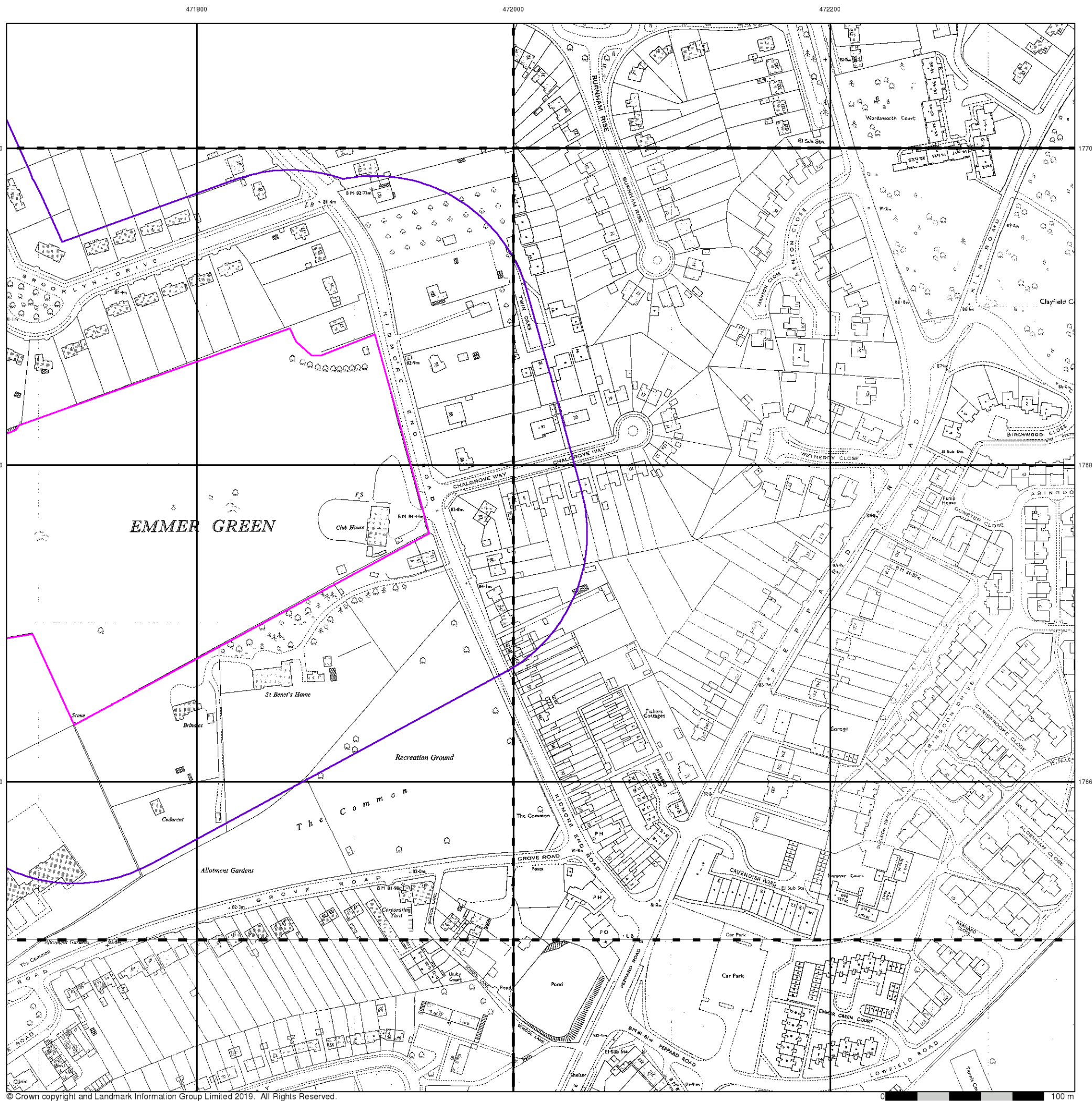
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





Additional SIMs

Published 1956 - 1990

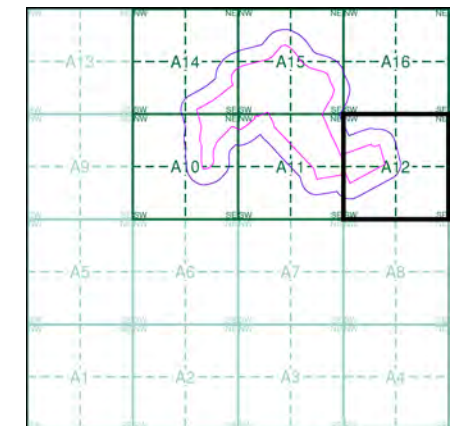
Source map scale - 1:1,250

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)

\$U7277SW	1984	1:1,250
\$U7176NB	1956	1:1,250
\$U7276NW	1990	1:1,250
\$U7176SE	1989	1:1,250
\$U7276SW	1989	1:1,250

Historical Map - Segment A12



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Ordnance Survey Plan

Published 1968 - 1971

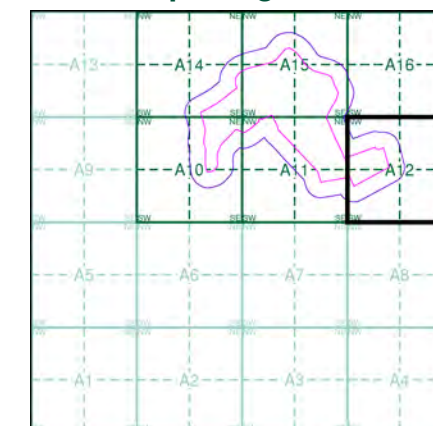
Source map scale - 1:2,500

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)

SU7277
1971
1:2,500
SU7276
1968
1:2,500

Historical Map - Segment A12



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Ordnance Survey Plan

Published 1968 - 1972

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.

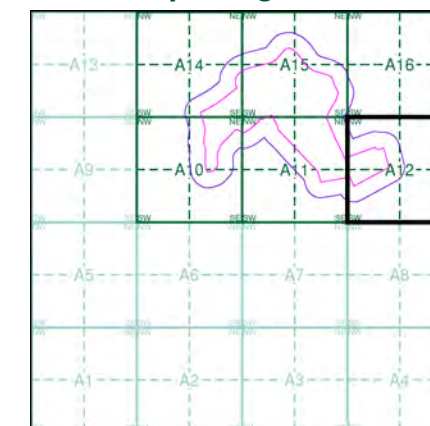
Map Name(s) and Date(s)

SU7177SE	SU7277SW
1972	1969
1:1,250	1:1,250

SU7276NW	
1968	
1:1,250	

SU7176SE	SU7276SW
1970	1972
1:1,250	1:1,250

Historical Map - Segment A12



Order Details

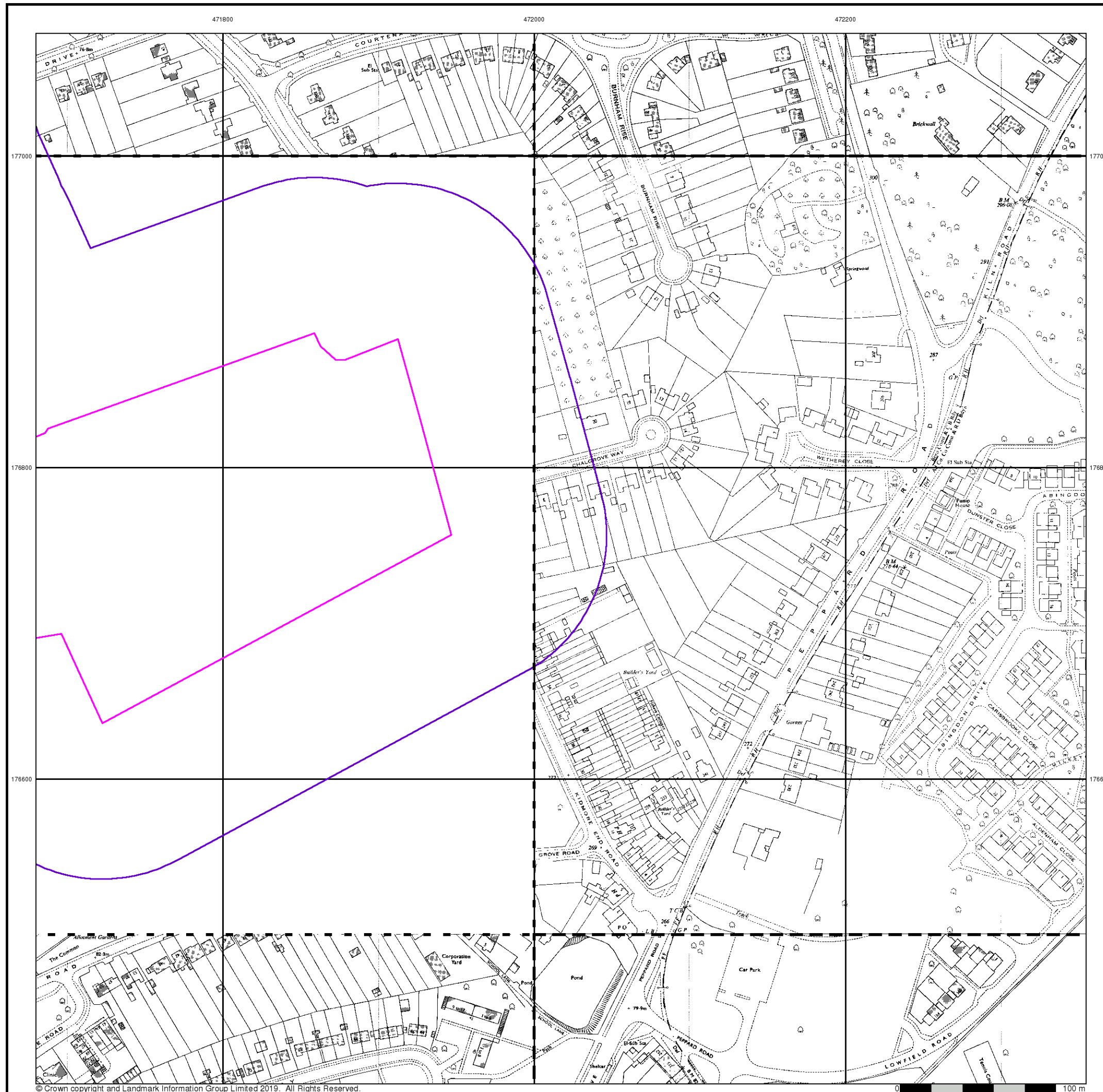
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





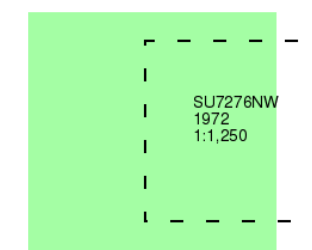
Ordnance Survey Plan

Published 1972

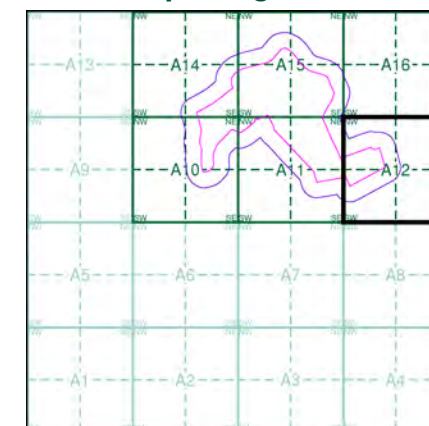
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

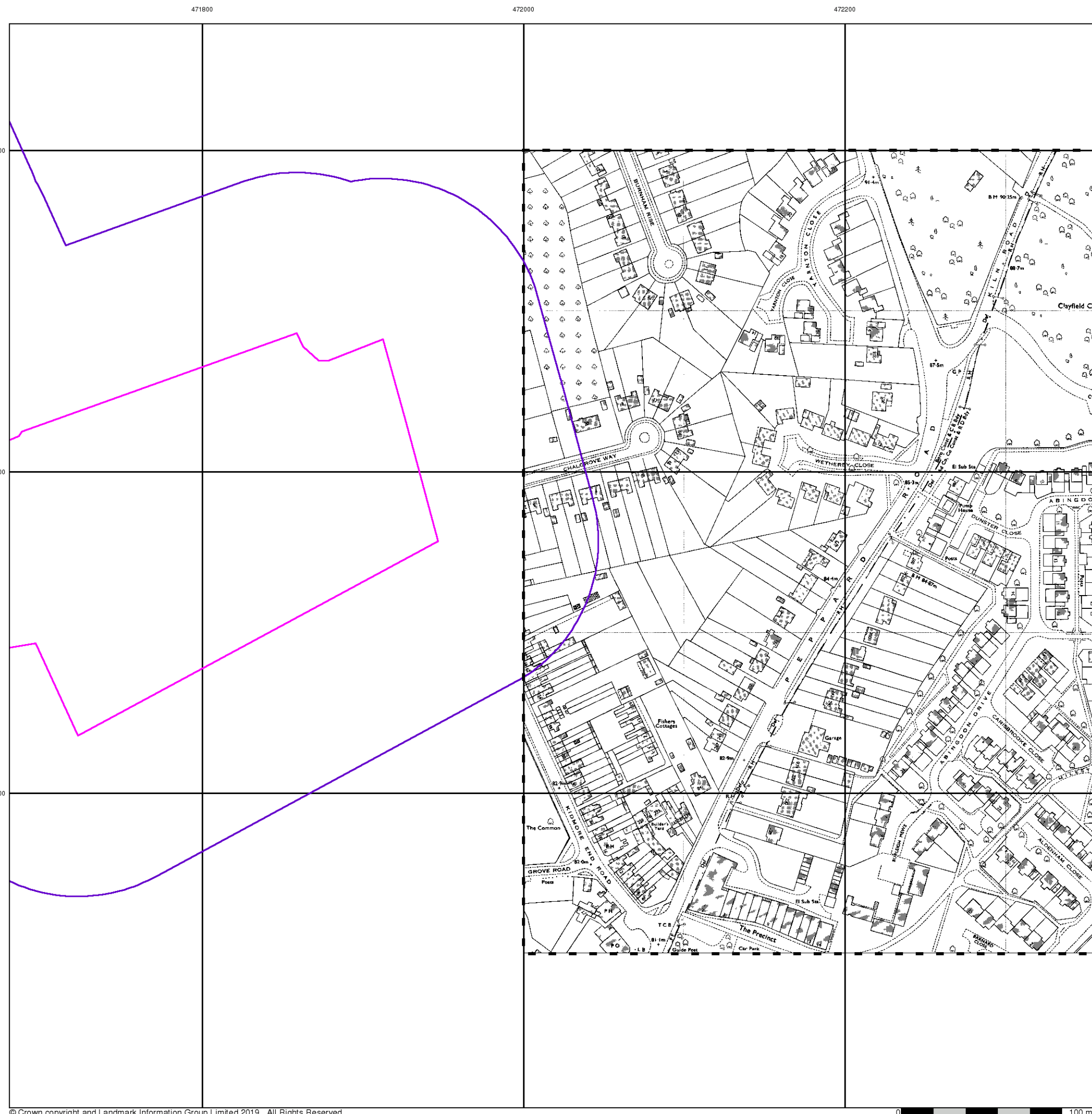
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

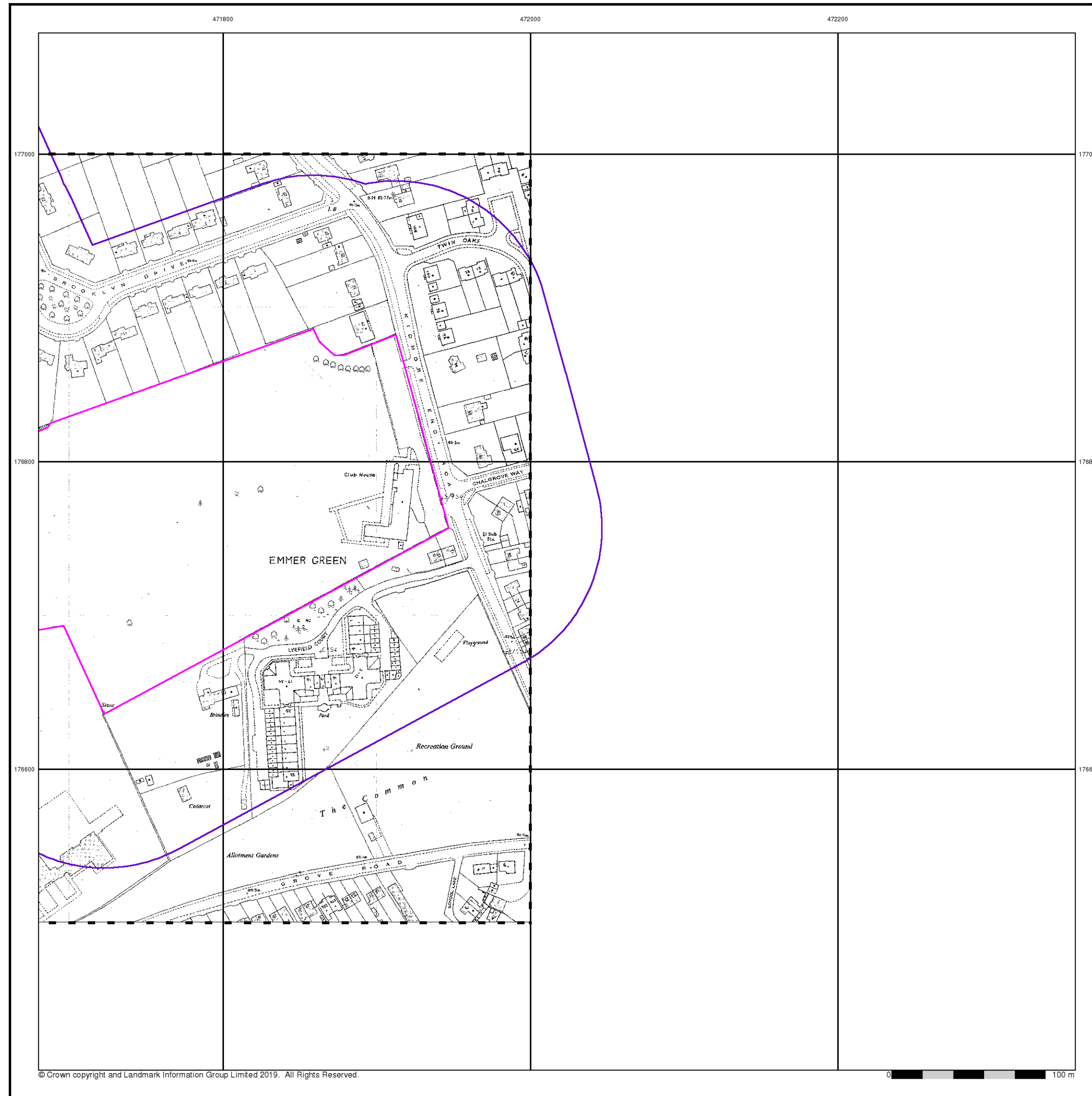
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.



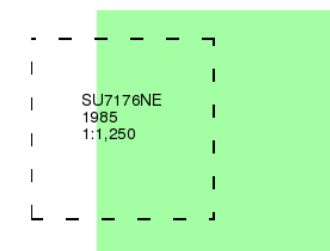
Additional SIMs

Published 1985

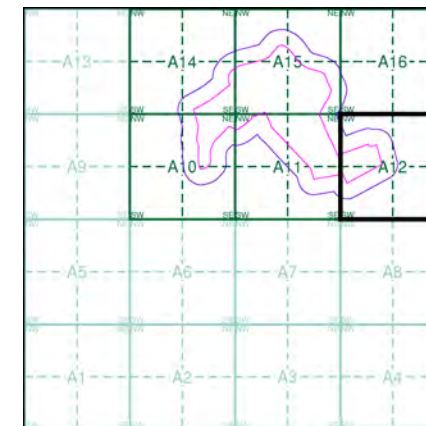
Source map scale - 1:1,250

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 A12



Order Details

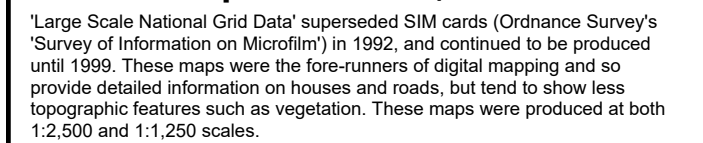
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



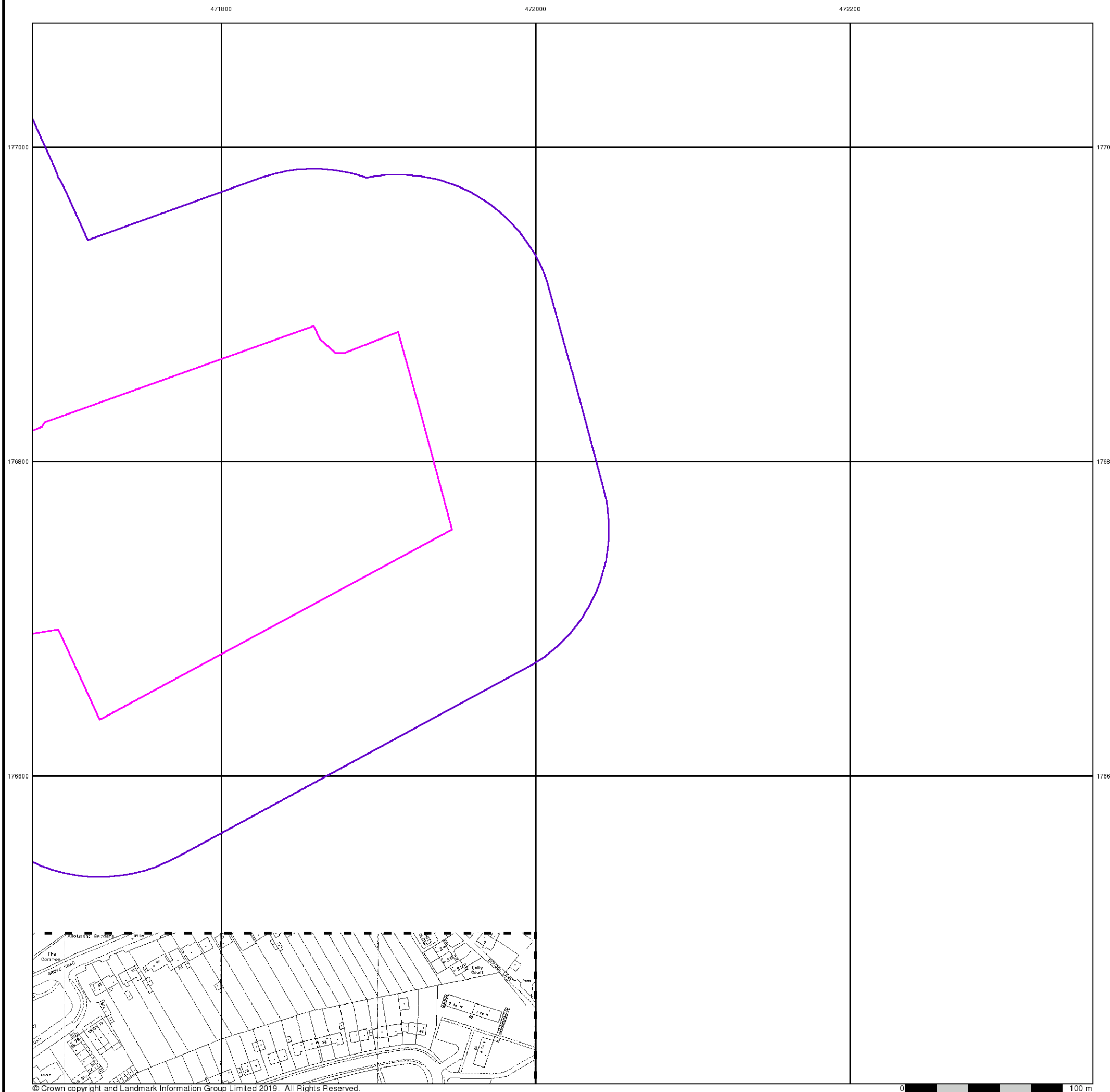
BU7177SE	BU7277SW
1993	1993
1:1,250	1:1,250
BU7176NE	BU7276NW
1993	1993
1:1,250	1:1,250
BU7176SE	BU7276SW
1993	1993
1:1,250	1:1,250



Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

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



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved





Large-Scale National Grid Data

Published 1996

Source map scale - 1:1,250

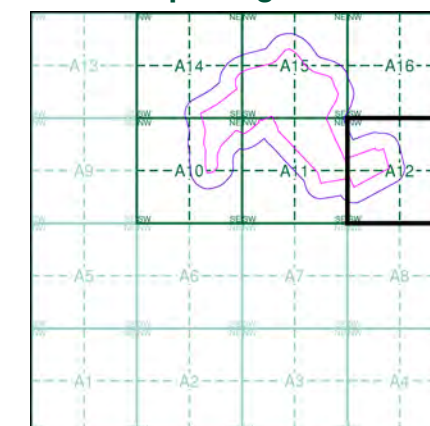
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SU7277SW
1996
1:1,250



Historical Map - Segment A12



Order Details

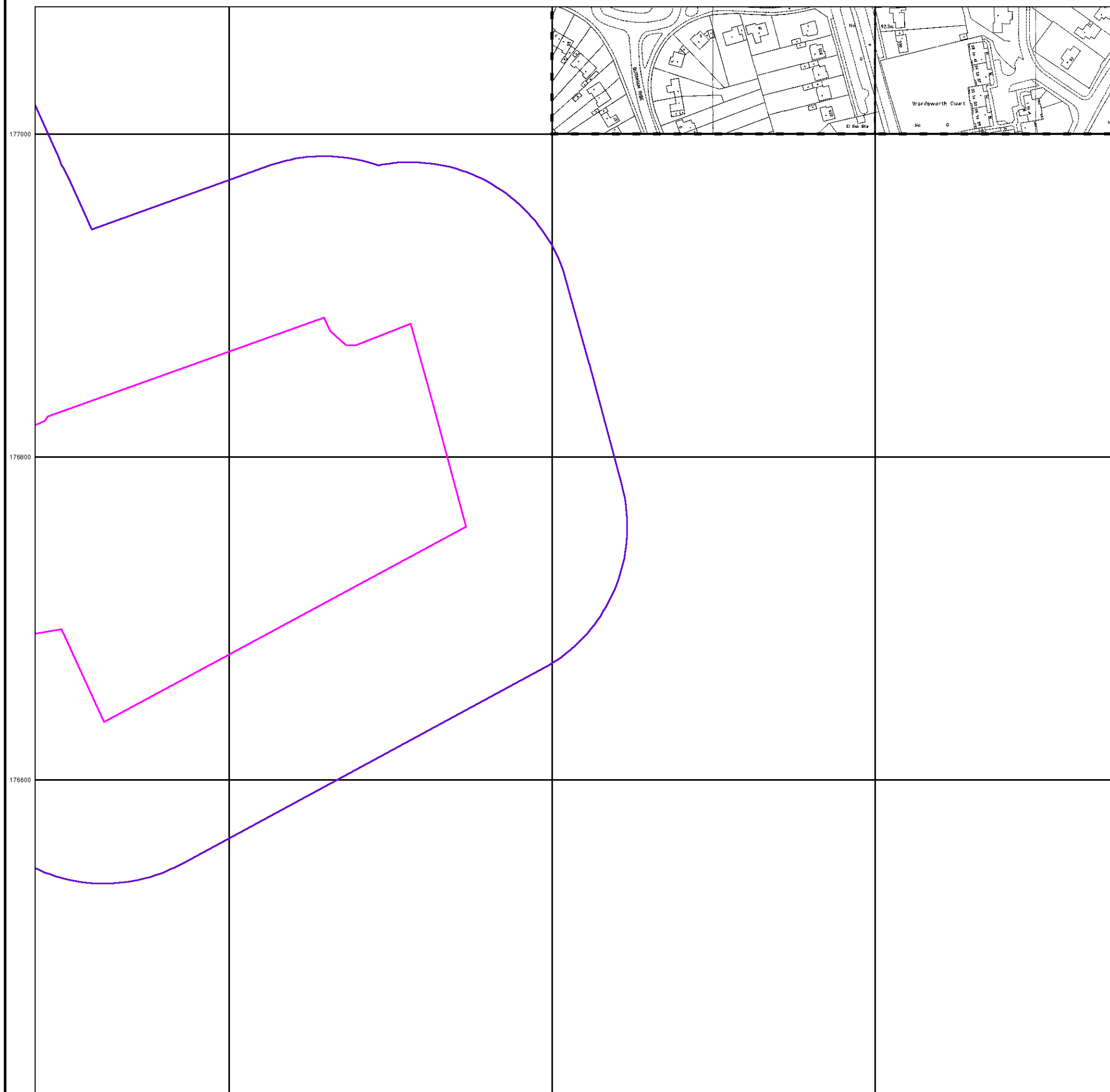
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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

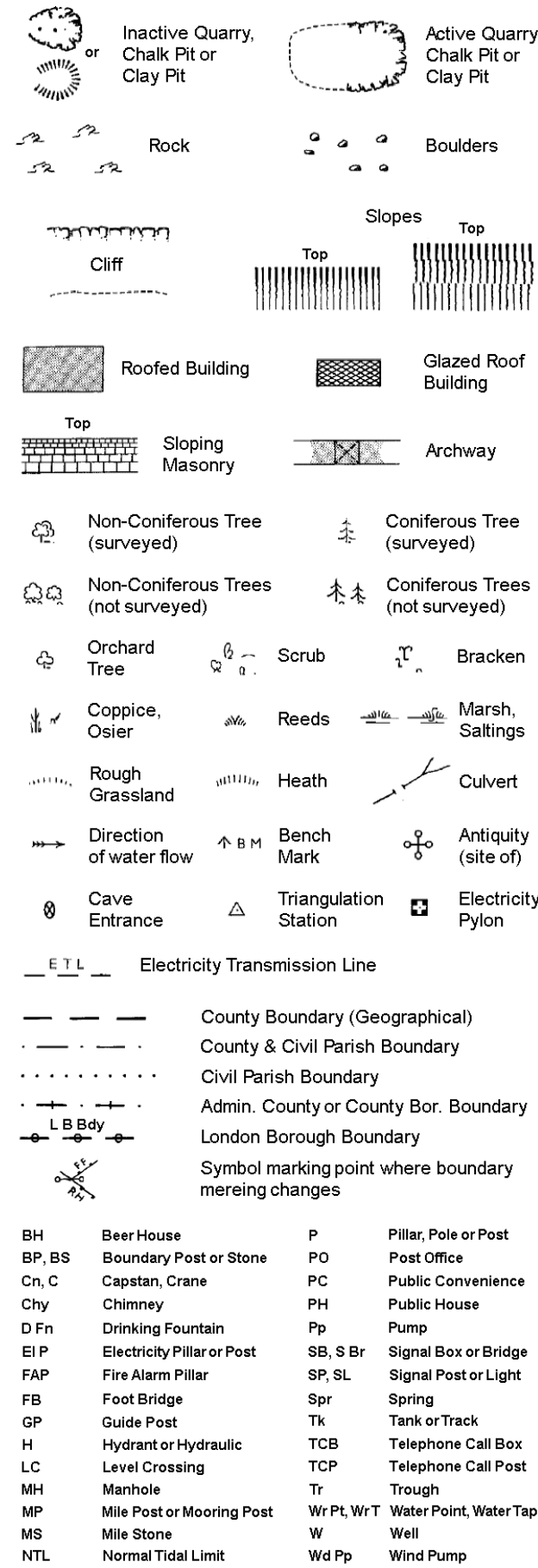


Historical Mapping Legends

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



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



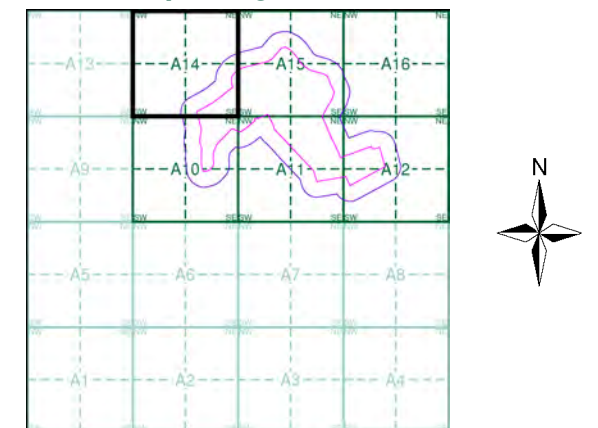
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878 - 1879	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:2,500	1956 - 1964	6
Ordnance Survey Plan	1:1,250	1956	7
Additional SIMs	1:1,250	1956 - 1986	8
Additional SIMs	1:2,500	1964	9
Additional SIMs	1:2,500	1990	10
Large-Scale National Grid Data	1:1,250	1993	11
Large-Scale National Grid Data	1:2,500	1993	12

Historical Map - Segment A14



Order Details

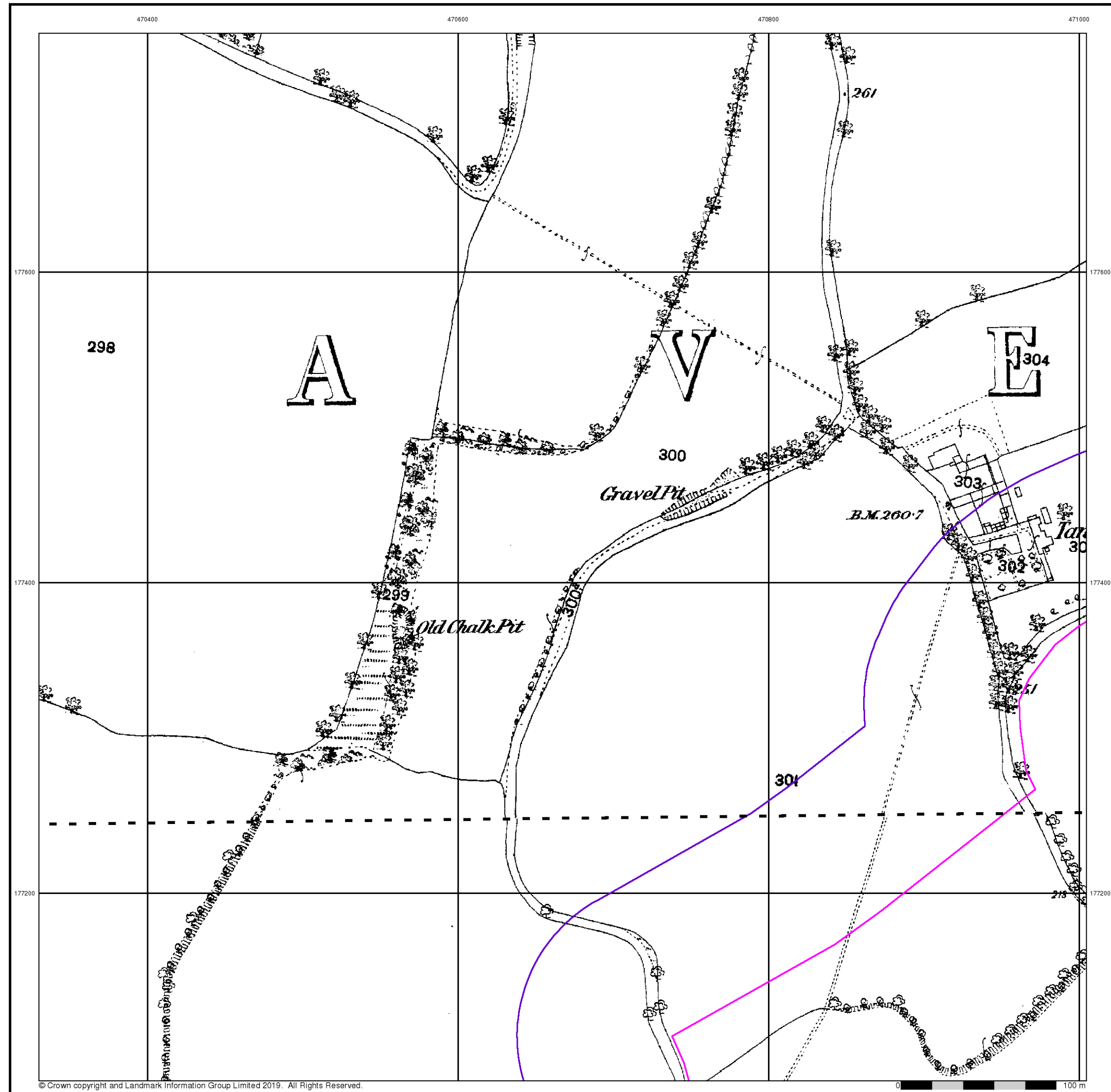
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



Oxfordshire

Published 1878 - 1879

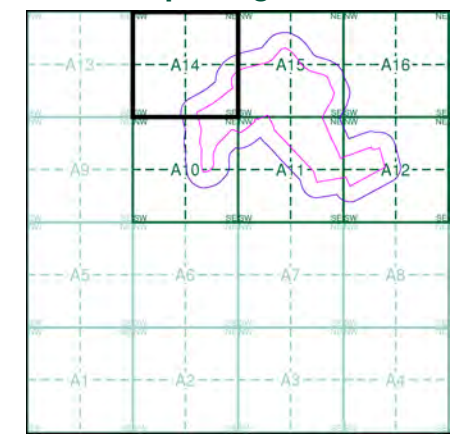
Source map scale - 1:2,500

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)

056_07
1879
1:2,500
056_11
1878
1:2,500

Historical Map - Segment A14



Order Details

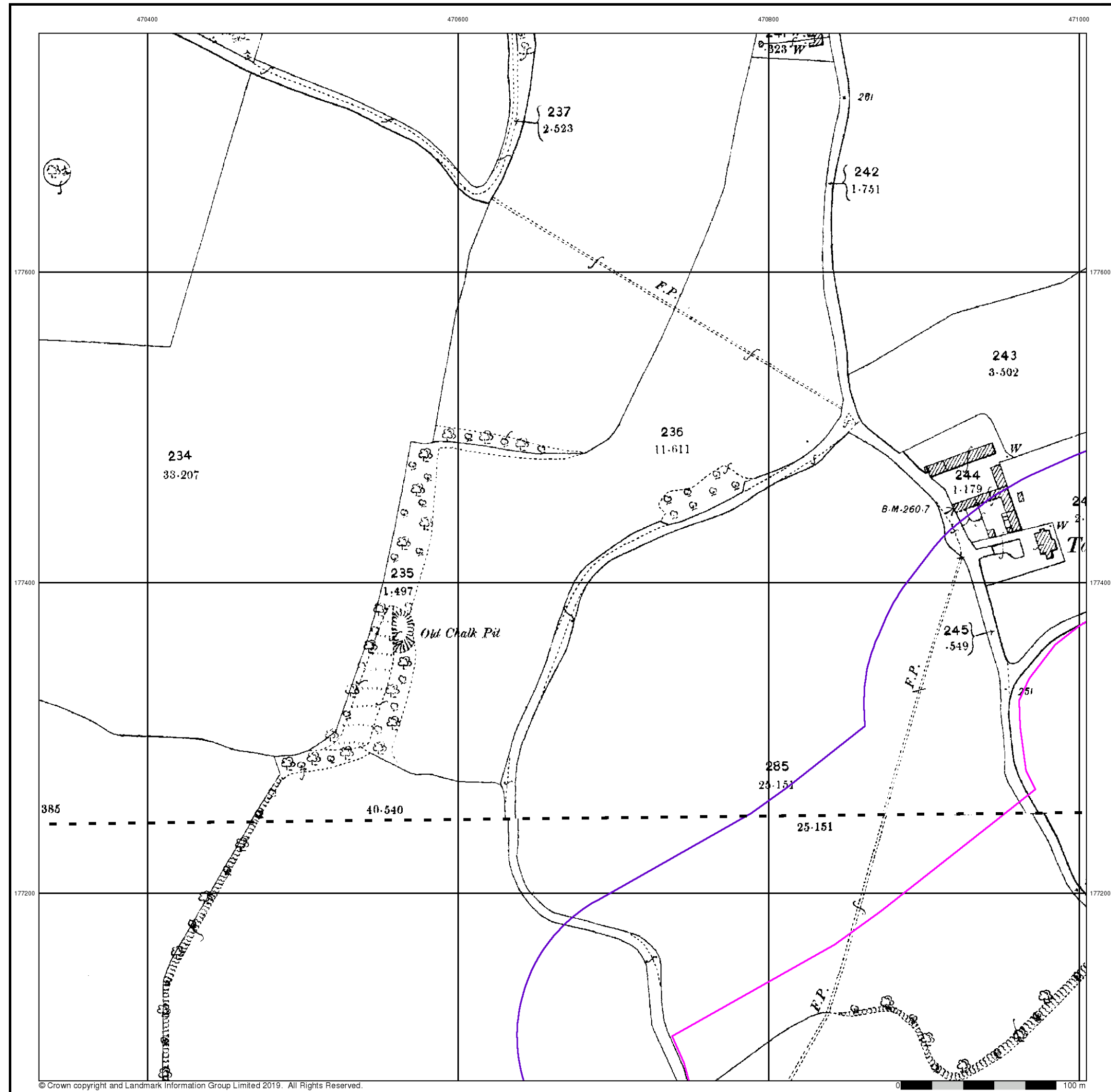
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



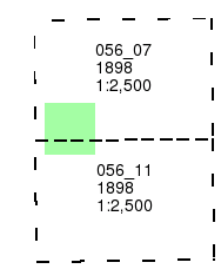
Oxfordshire

Published 1898

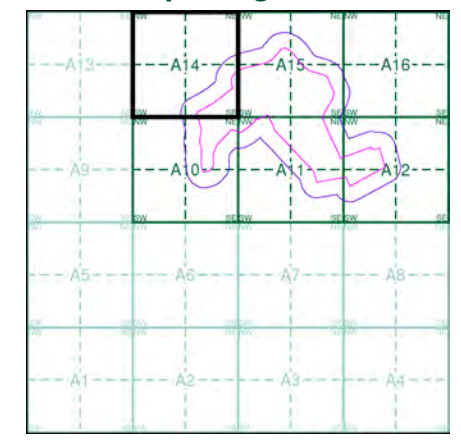
Source map scale - 1:2,500

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 A14



Order Details

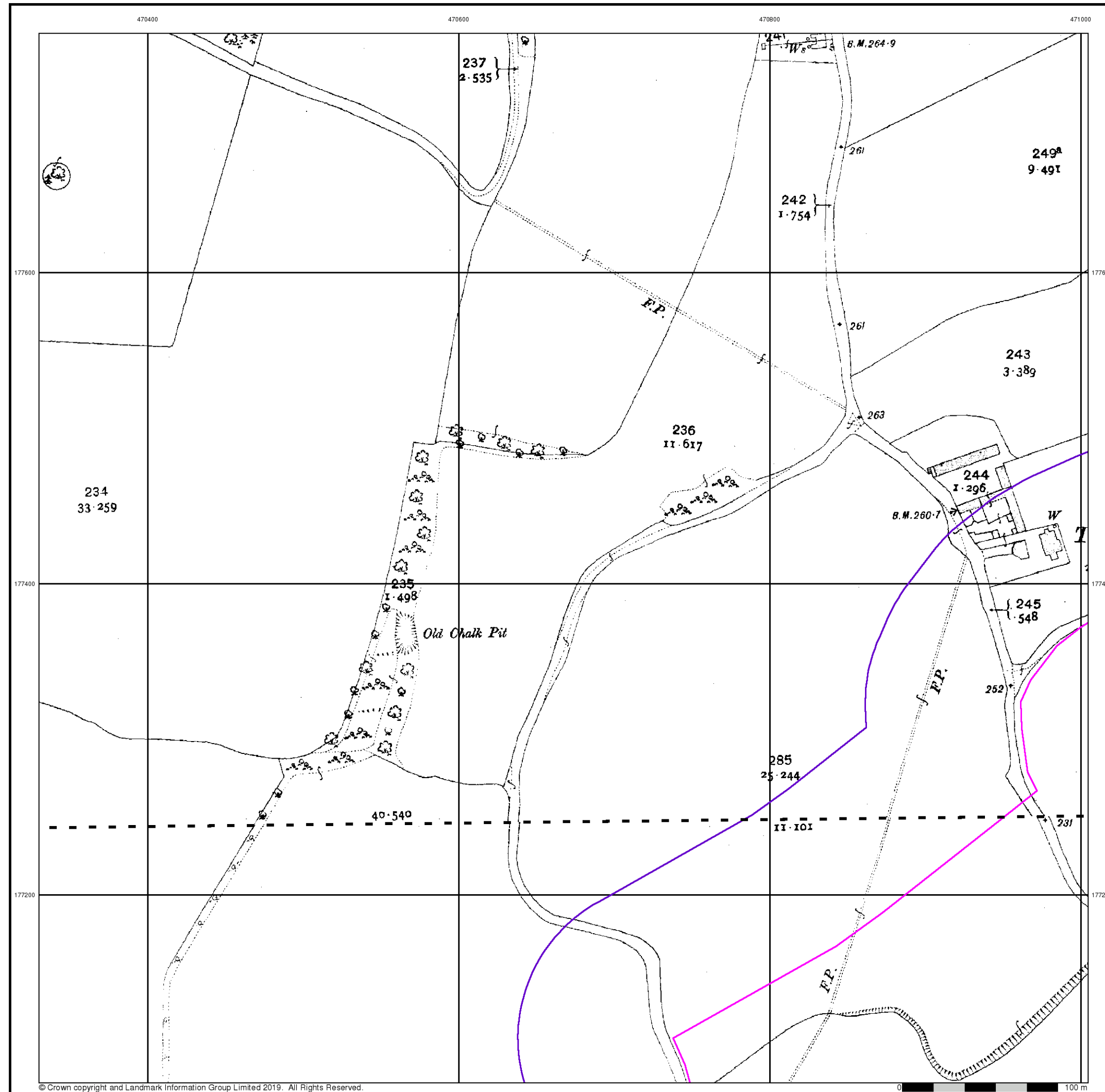
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Berkshire

Published 1913

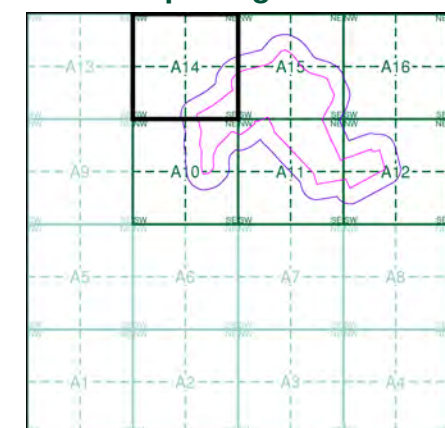
Source map scale - 1:2,500

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)

029_07
1913
1:2,500
029_11
1913
1:2,500

Historical Map - Segment A14



Order Details

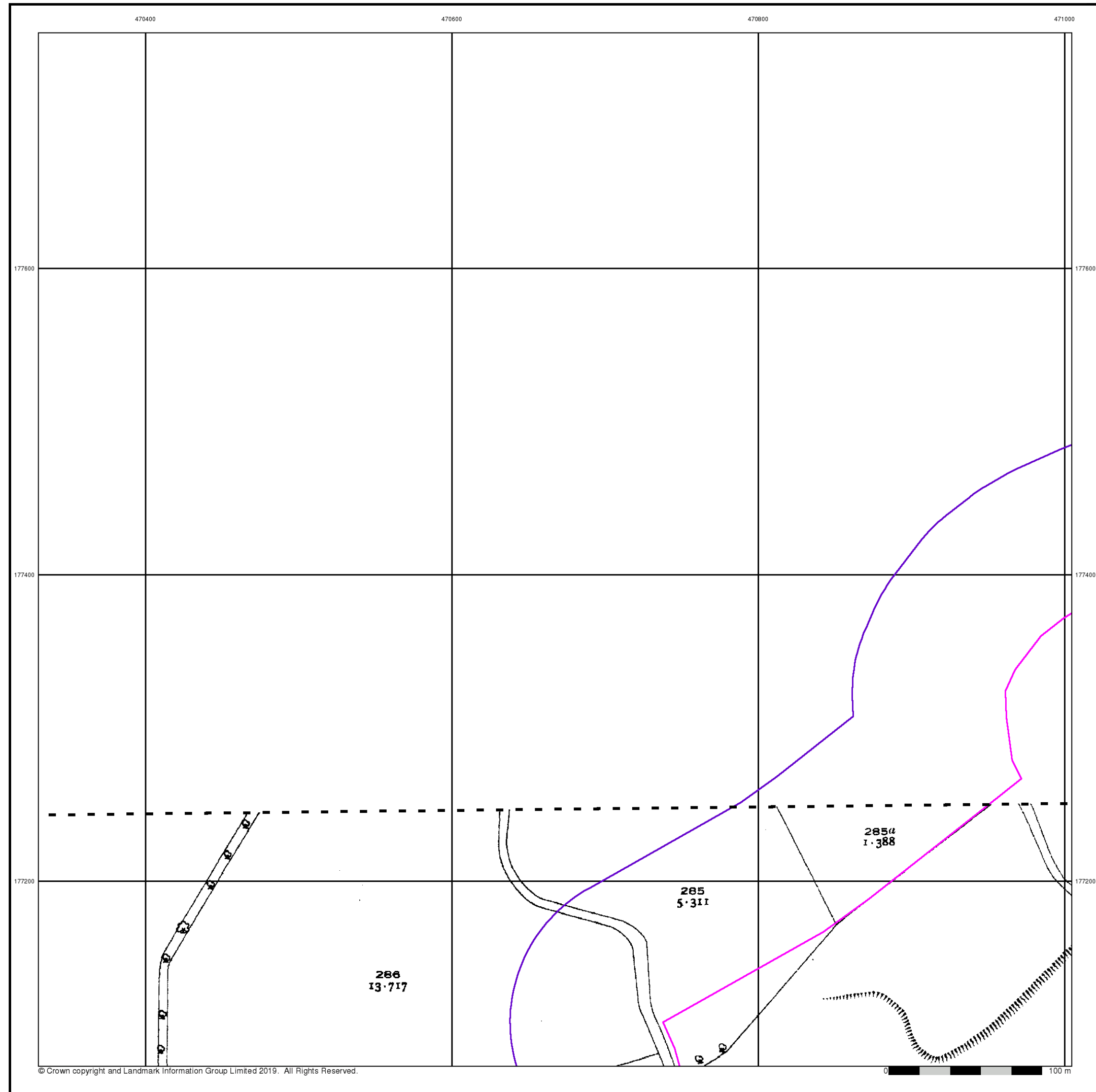
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



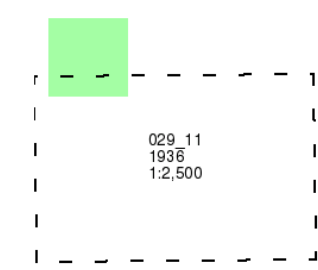
Berkshire

Published 1936

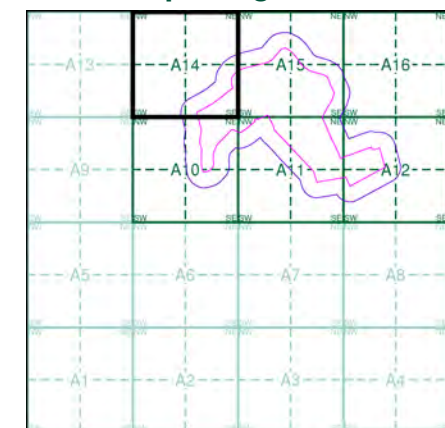
Source map scale - 1:2,500

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 A14



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

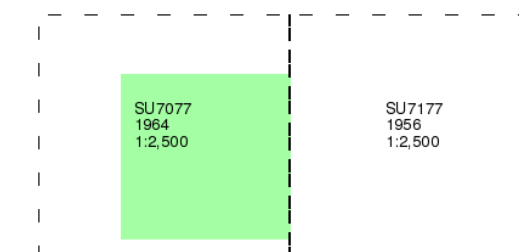


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

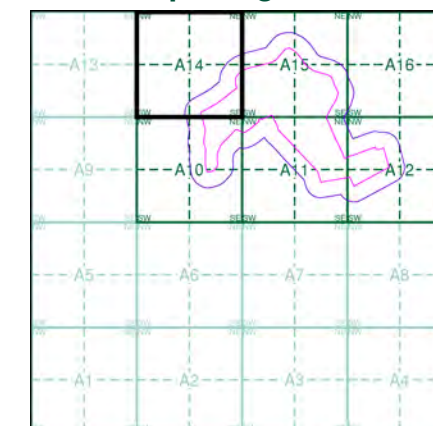


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 A14



Order Details

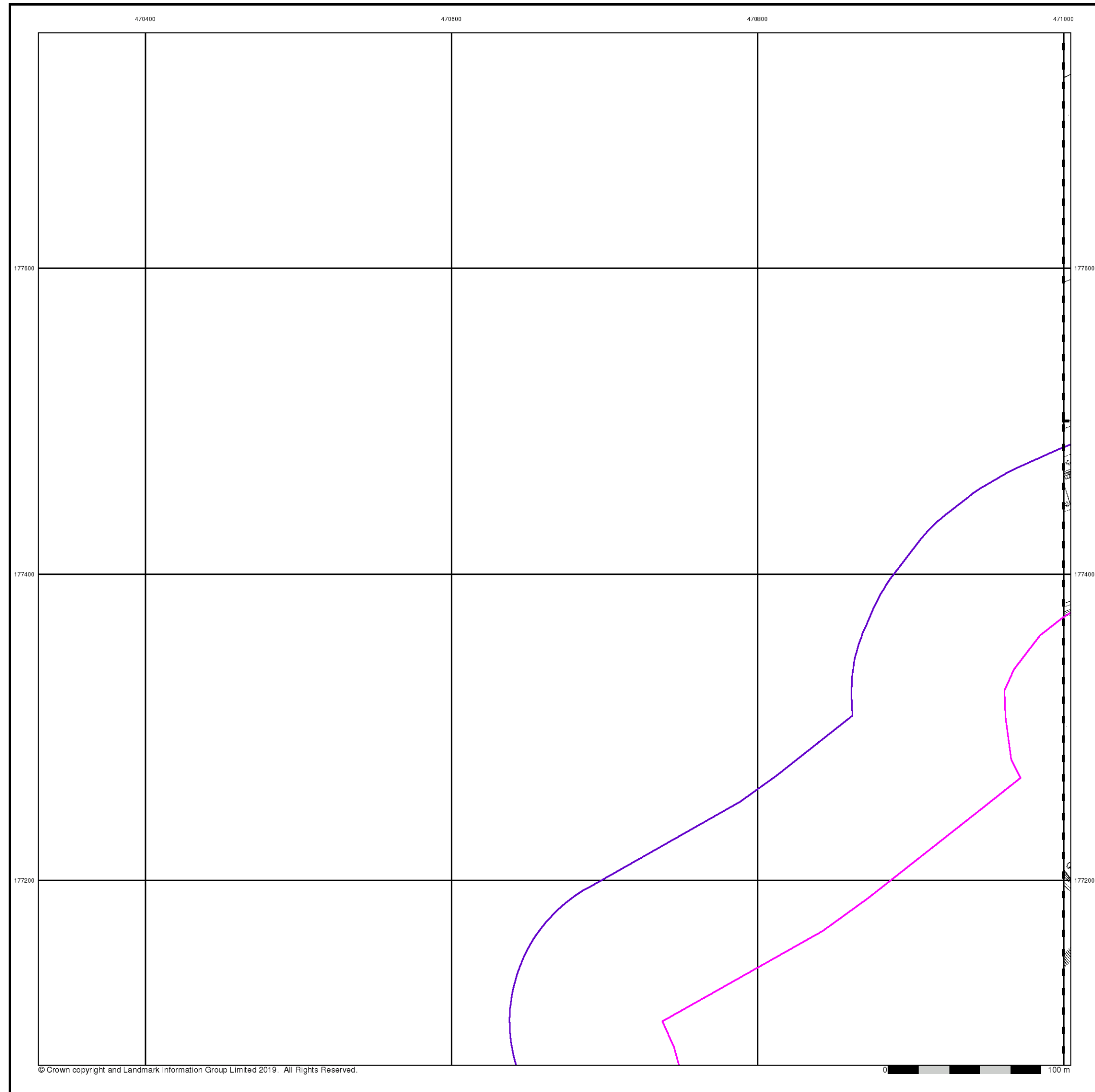
Order Number:	191585181_1_1
Customer Ref:	12112
National Grid Reference:	471120, 176760
Slice:	A
Site Area (Ha):	44.51
Search Buffer (m):	100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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



Ordnance Survey Plan

Published 1956

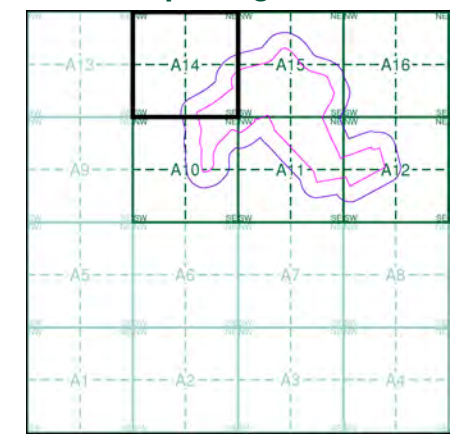
Source map scale - 1:1,250

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)

SU7177NW 1956 1:1,250	SU7177SW 1956 1:1,250

Historical Map - Segment A14



Order Details

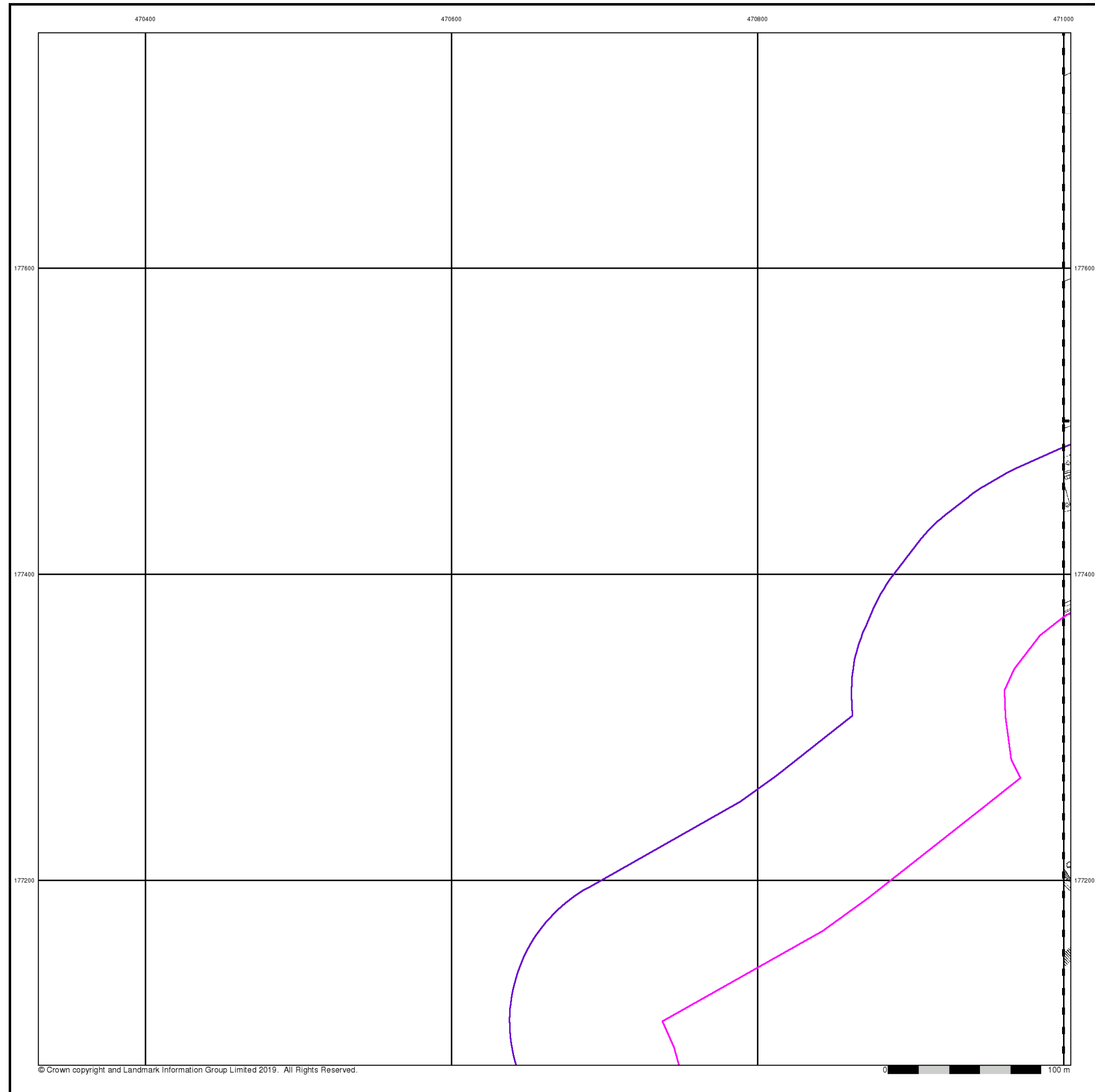
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



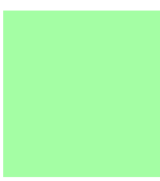
Additional SIMs

Published 1956 - 1986

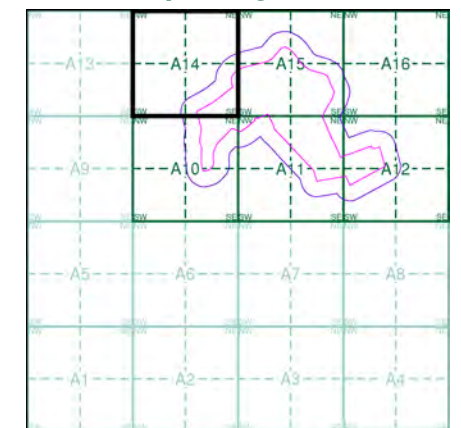
Source map scale - 1:1,250

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)

	SU7177NW 1956 1:1,250
	SU7177SW 1986 1:1,250

Historical Map - Segment A14



Order Details

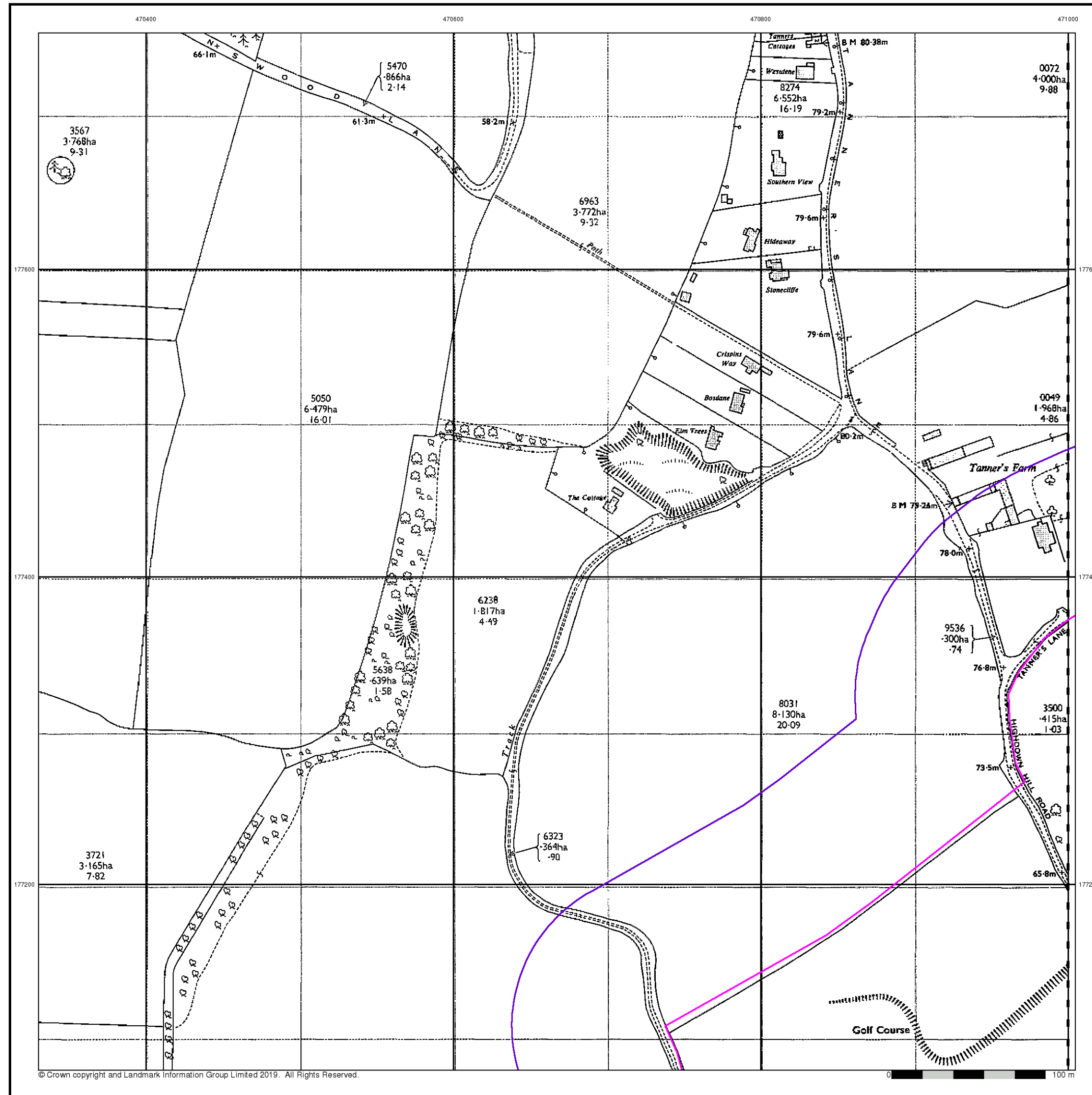
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



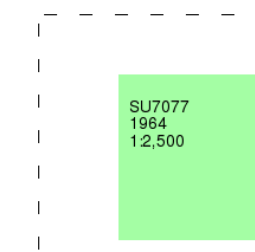
Additional SIMs

Published 1964

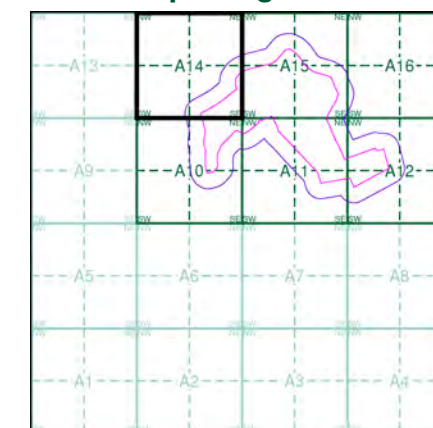
Source map scale - 1:2,500

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 A14



Order Details

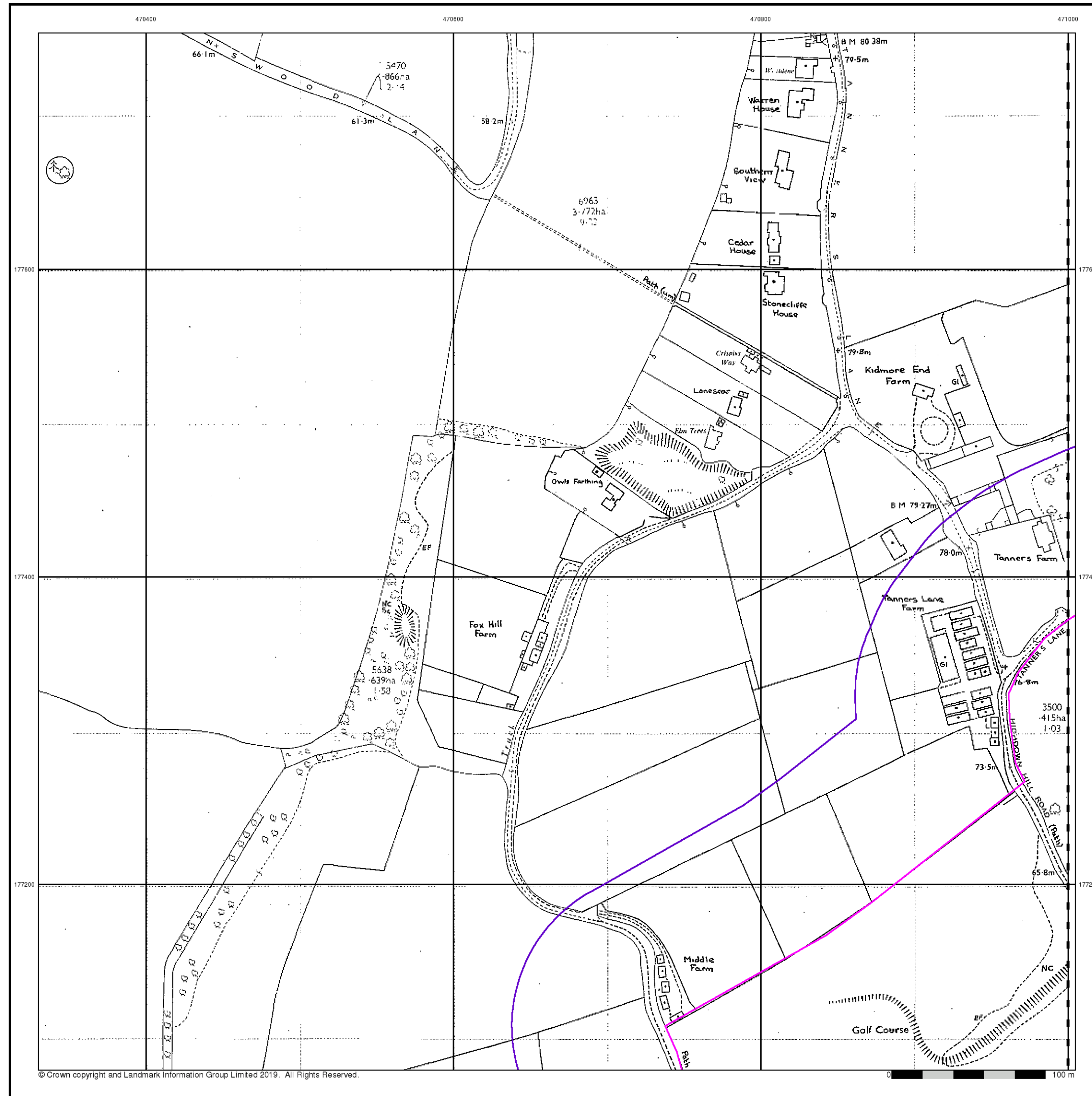
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.



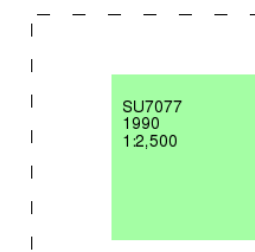
Additional SIMs

Published 1990

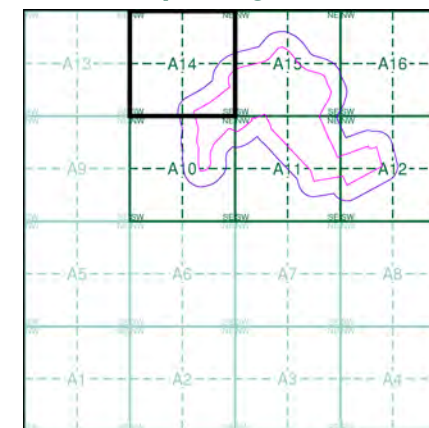
Source map scale - 1:2,500

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 A14



Order Details

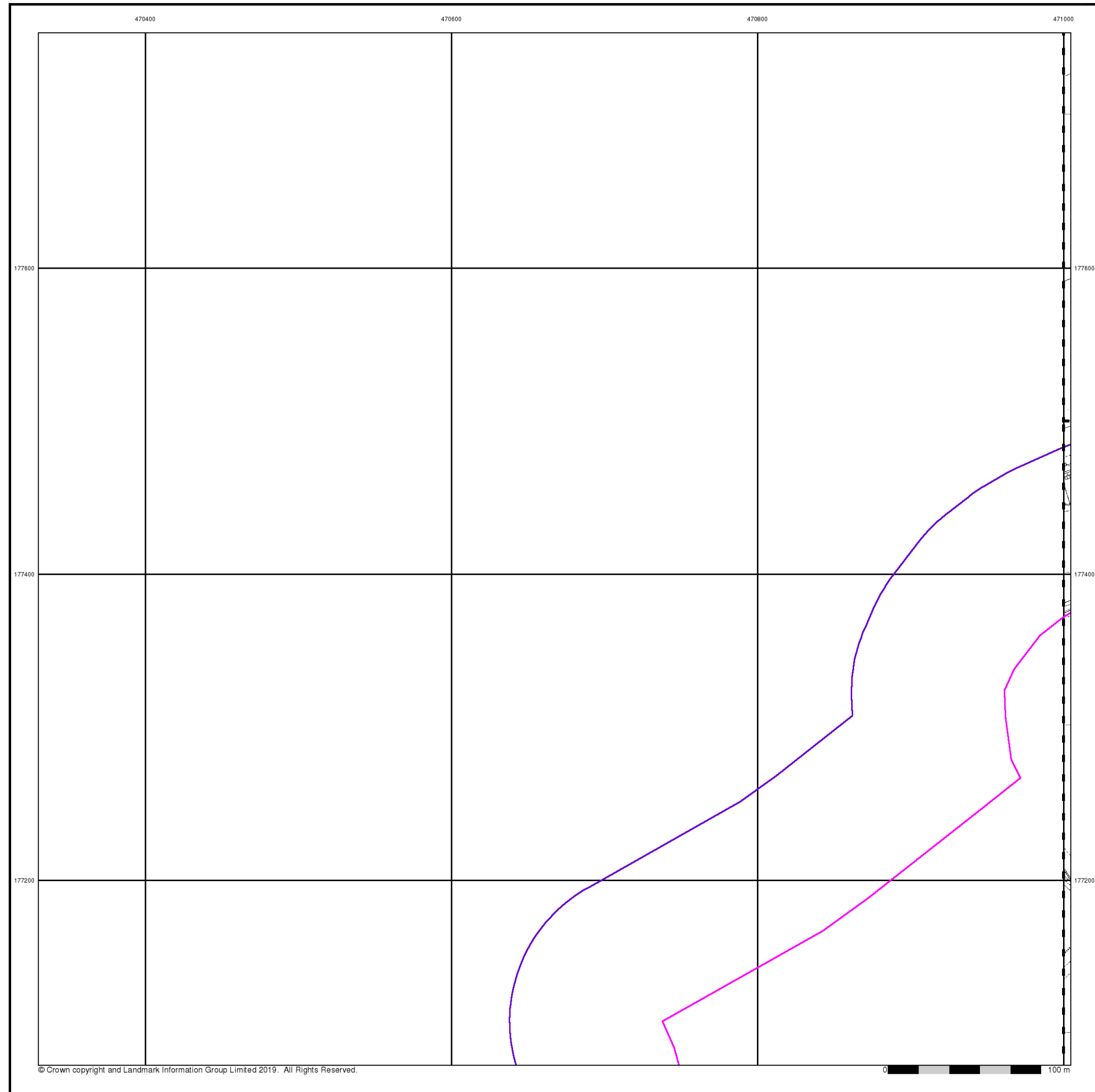
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



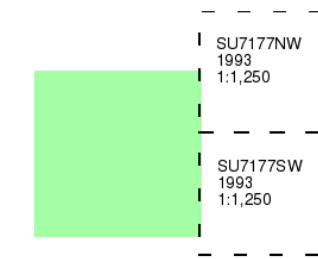
Large-Scale National Grid Data

Published 1993

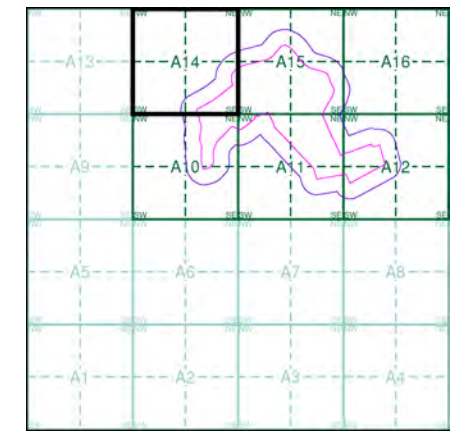
Source map scale - 1:1,250

'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 A14



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



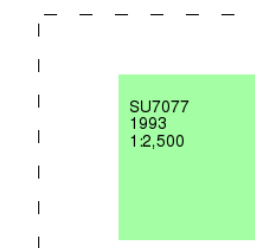
Large-Scale National Grid Data

Published 1993

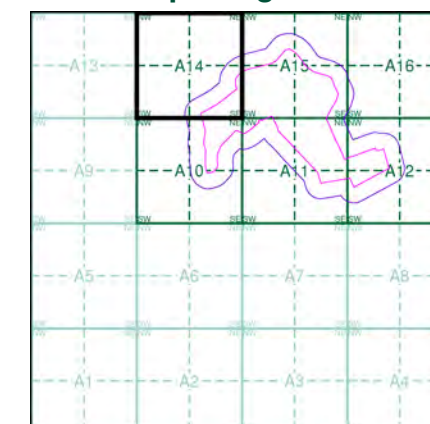
Source map scale - 1:2,500

'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 A14



Order Details

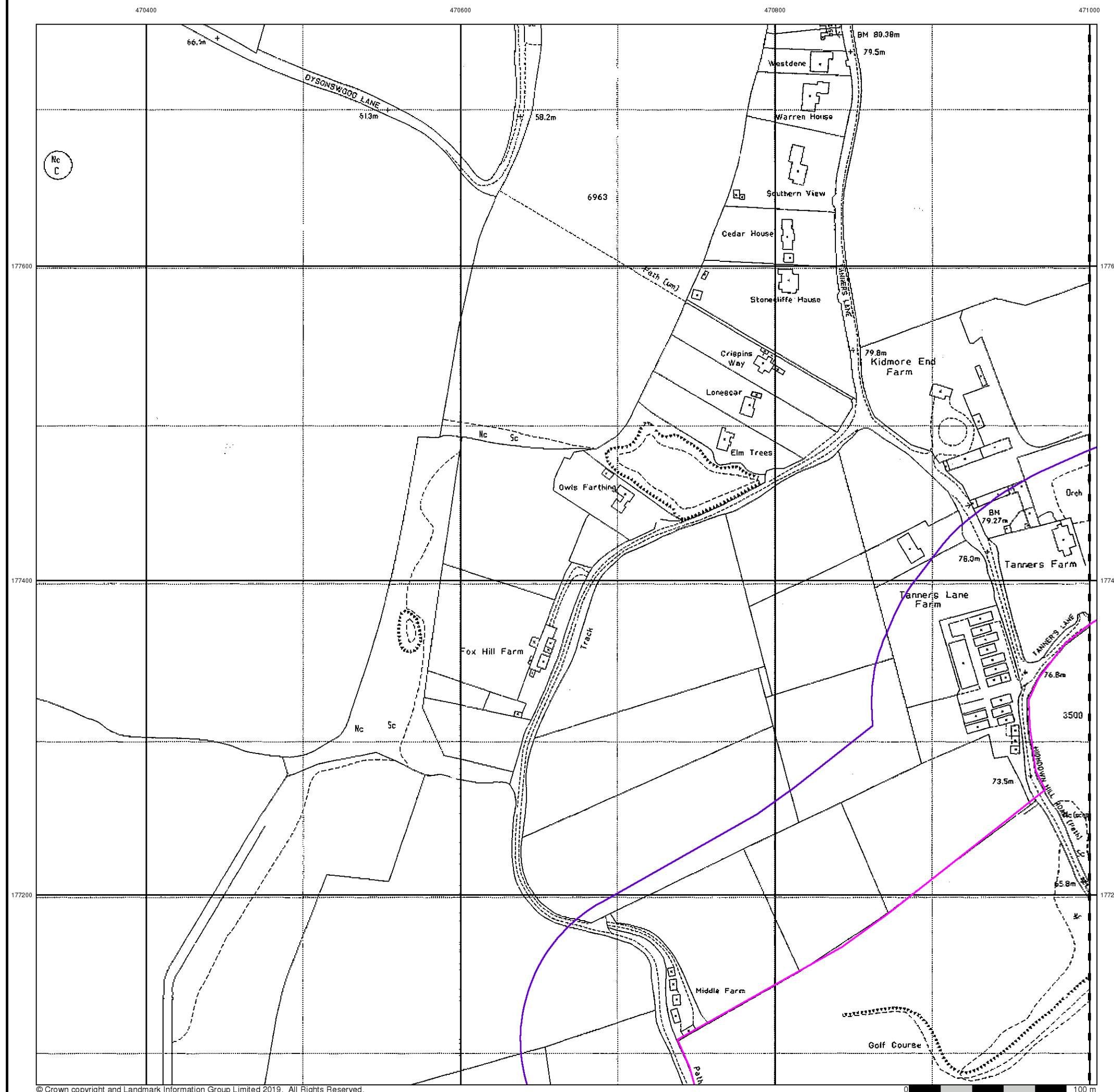
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

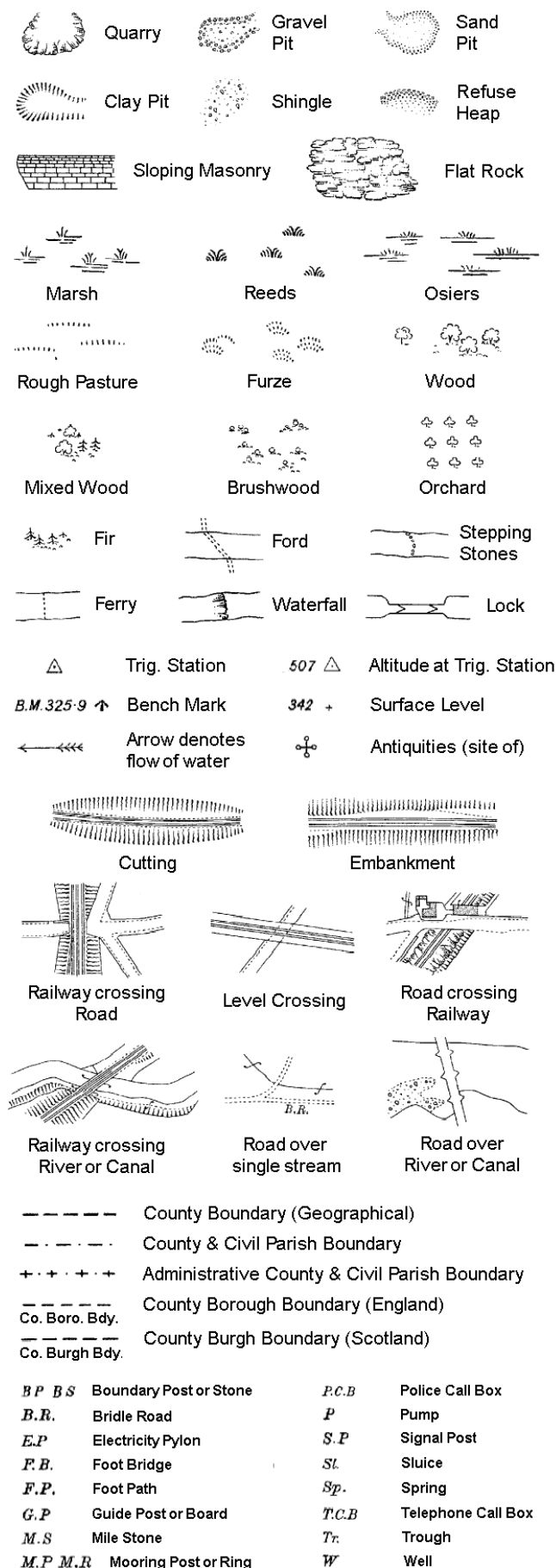


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

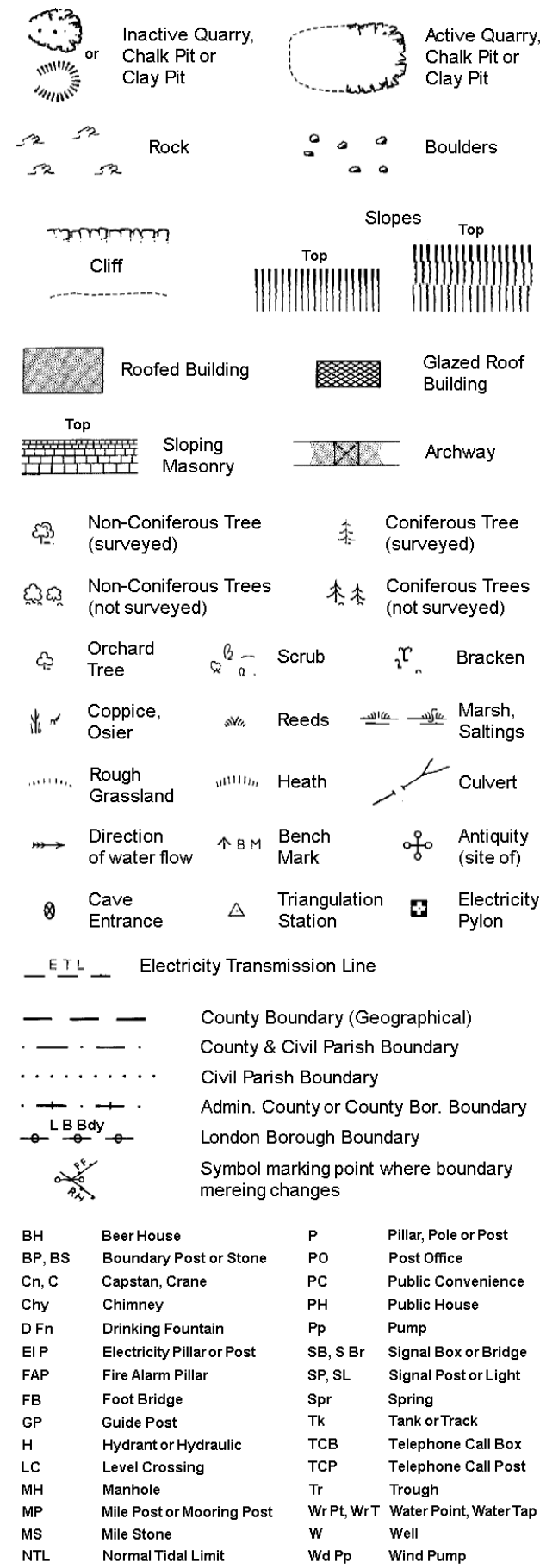


Historical Mapping Legends

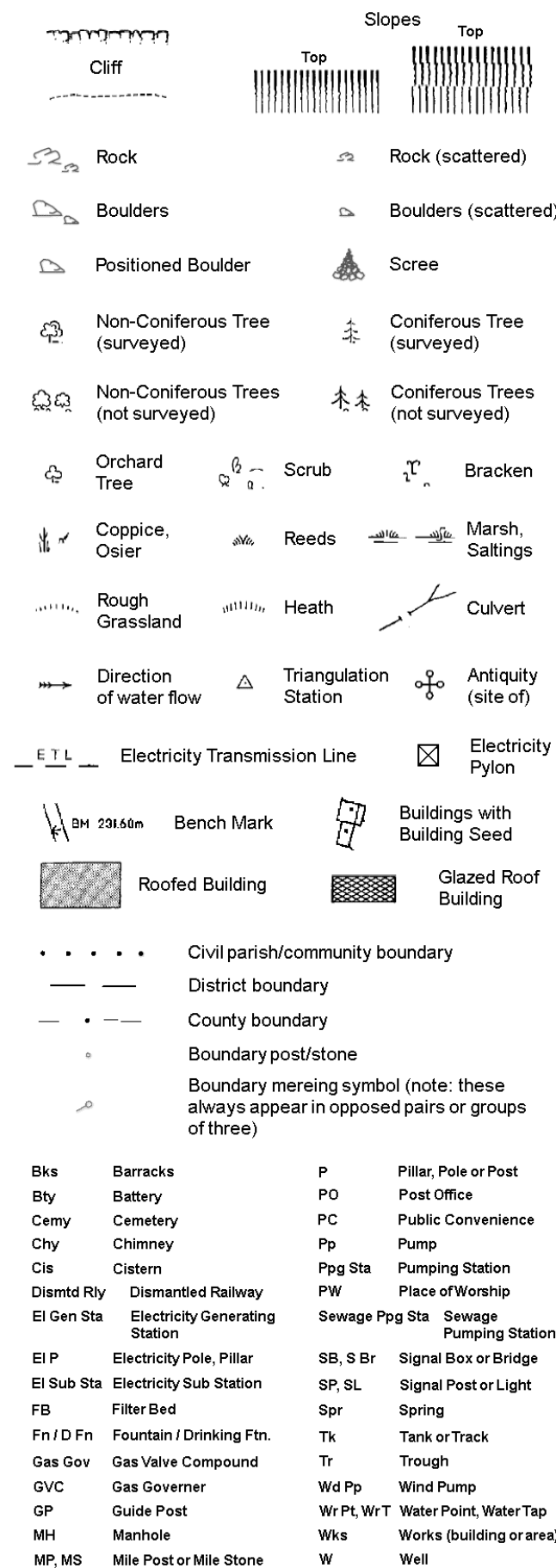
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



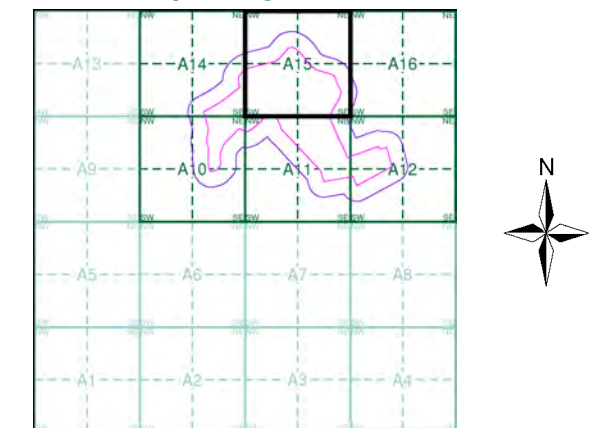
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878 - 1879	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:1,250	1956	6
Ordnance Survey Plan	1:2,500	1956	7
Additional SIMs	1:1,250	1956 - 1986	8
Ordnance Survey Plan	1:1,250	1972	9
Large-Scale National Grid Data	1:1,250	1993	10

Historical Map - Segment A15



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



Oxfordshire

Published 1878 - 1879

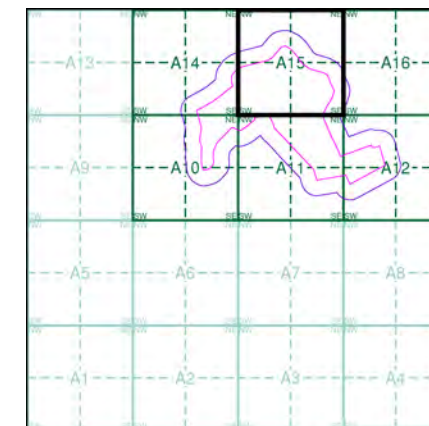
Source map scale - 1:2,500

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)

056_07
1879
1:2,500
056_11
1878
1:2,500

Historical Map - Segment A15



Order Details

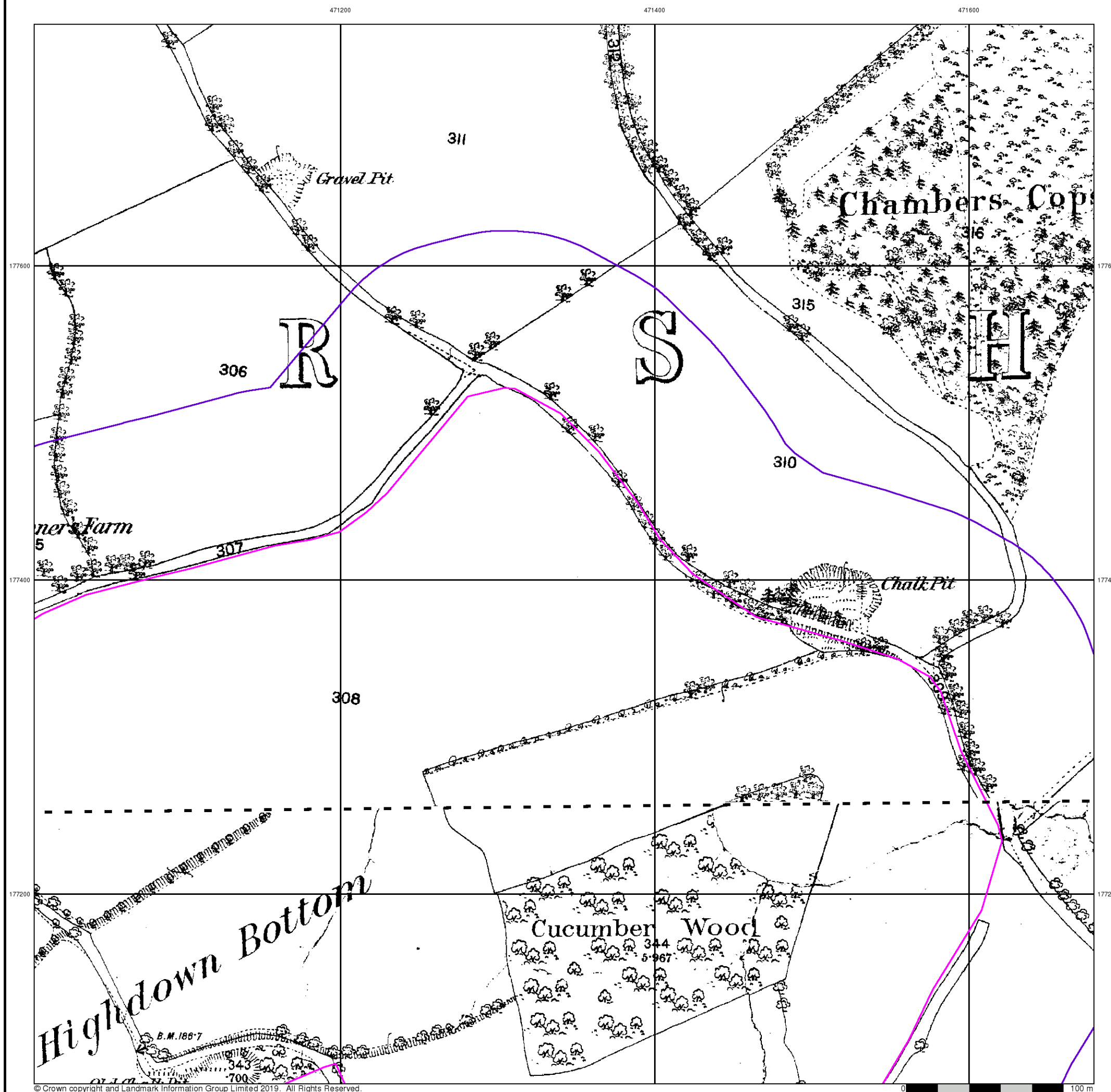
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Oxfordshire

Published 1898

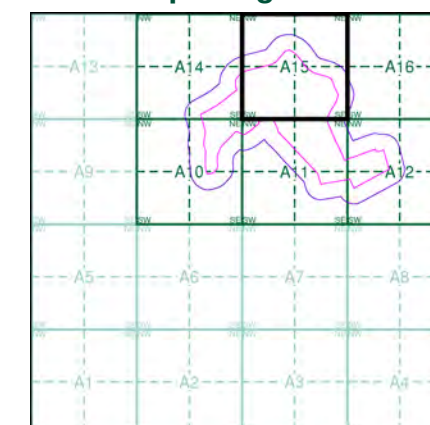
Source map scale - 1:2,500

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)

056_07
1898
1:2,500
056_11
1898
1:2,500

Historical Map - Segment A15



Order Details

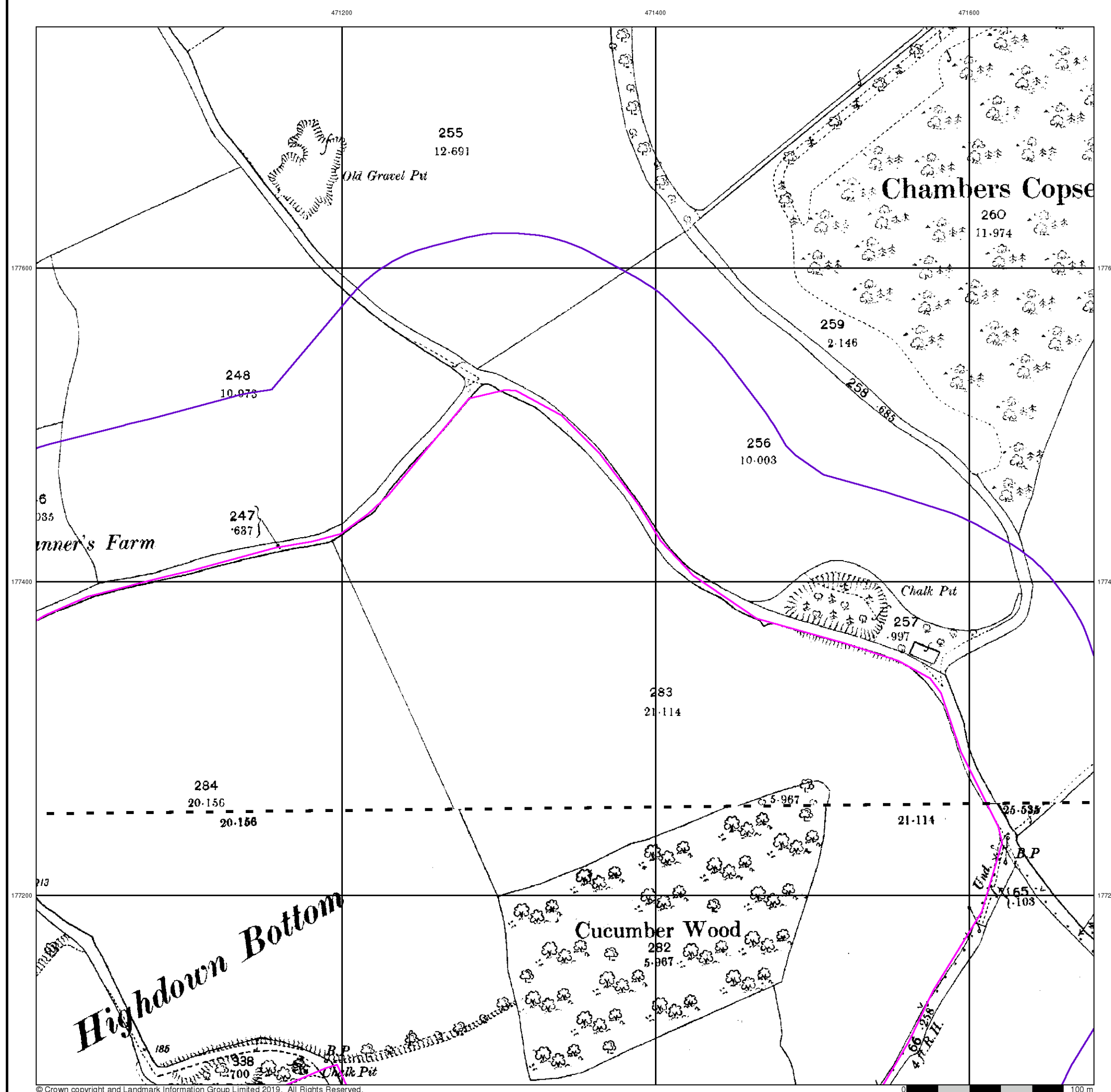
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





Berkshire

Published 1913

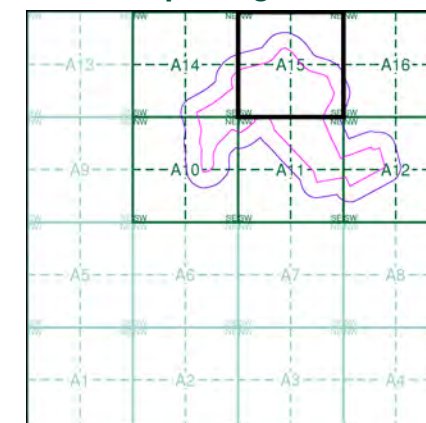
Source map scale - 1:2,500

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)

029_07
1913
1:2,500
029_11
1913
1:2,500

Historical Map - Segment A15



Order Details

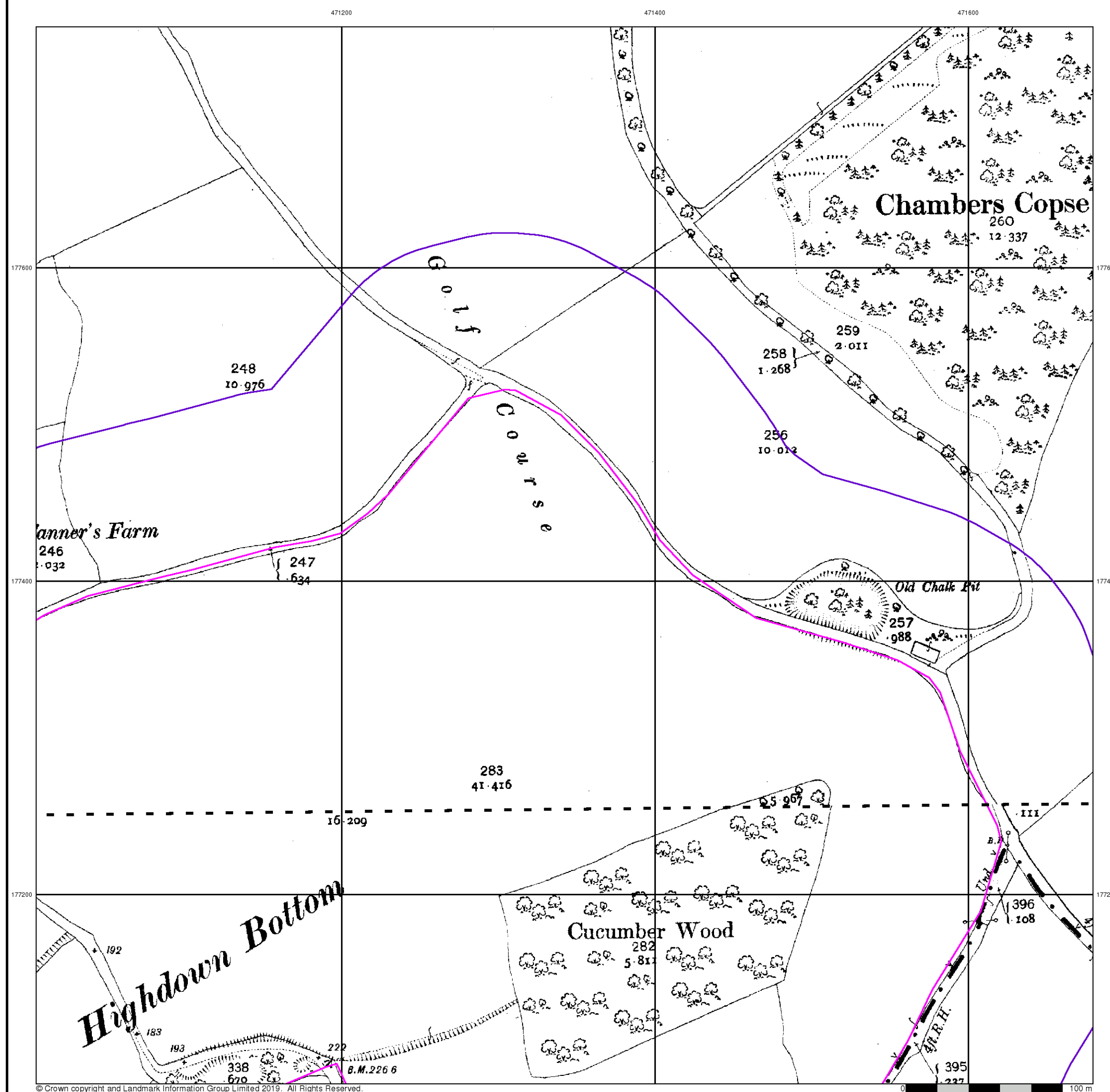
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





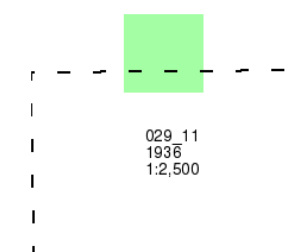
Berkshire

Published 1936

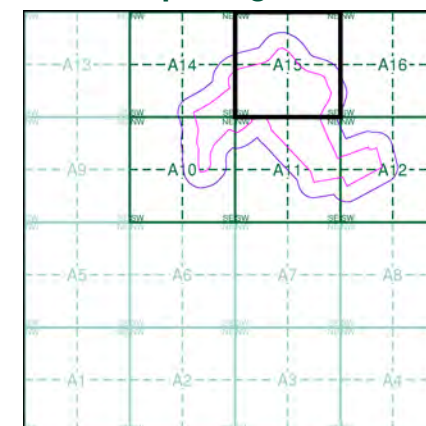
Source map scale - 1:2,500

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 A15



Order Details

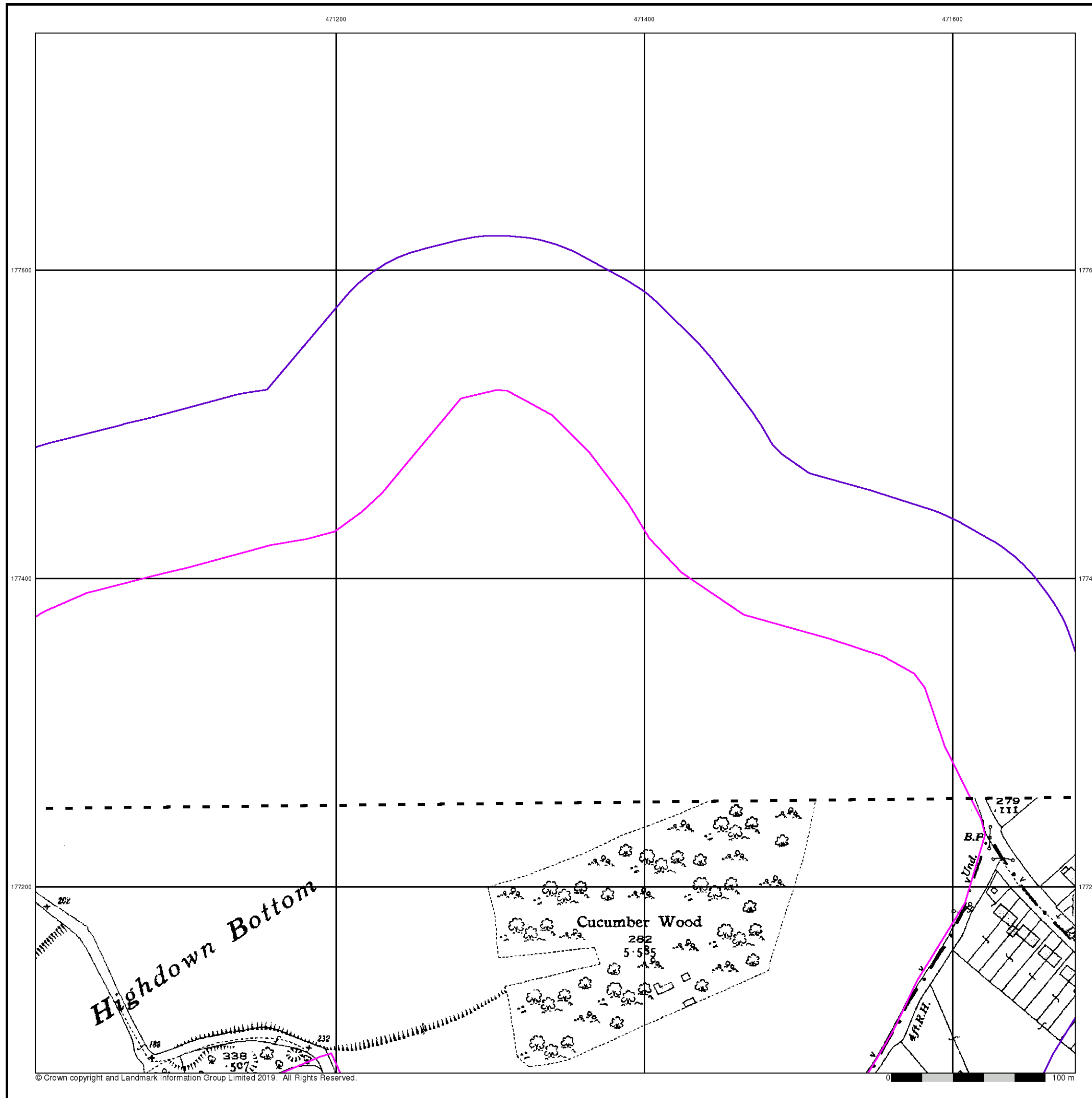
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





Ordnance Survey Plan

Published 1956

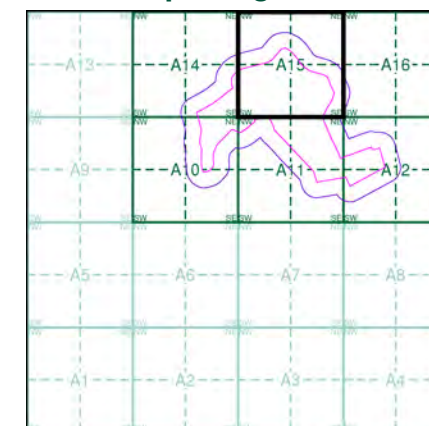
Source map scale - 1:1,250

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)

SU7177NW 1956 1:1,250	SU7177NE 1956 1:1,250
SU7177SW 1956 1:1,250	SU7177SE 1956 1:1,250

Historical Map - Segment A15



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



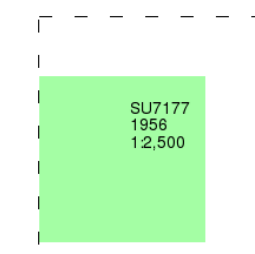
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



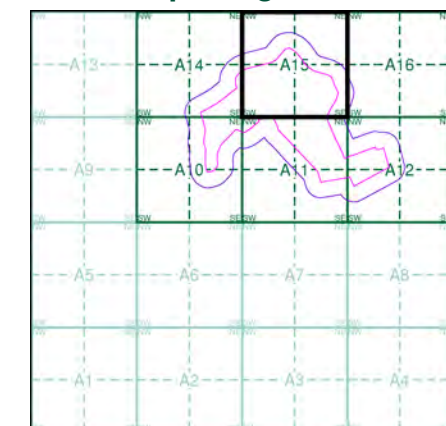


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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 A15



Order Details

Order Number:	191585181_1_1
Customer Ref:	12112
National Grid Reference:	471120, 176760
Slice:	A
Site Area (Ha):	44.51
Search Buffer (m):	100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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



Additional SIMs

Published 1956 - 1986

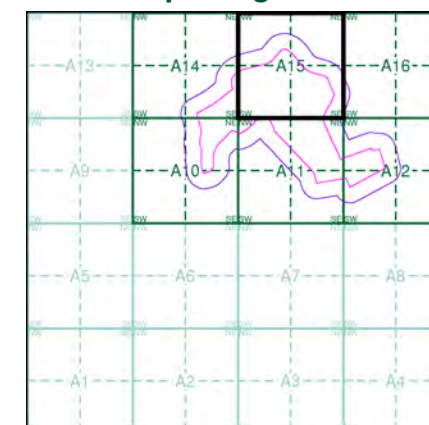
Source map scale - 1:1,250

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)

SU7177NW 1956 1:1,250	SU7177NE 1956 1:1,250
SU7177SW 1986 1:1,250	

Historical Map - Segment A15



Order Details

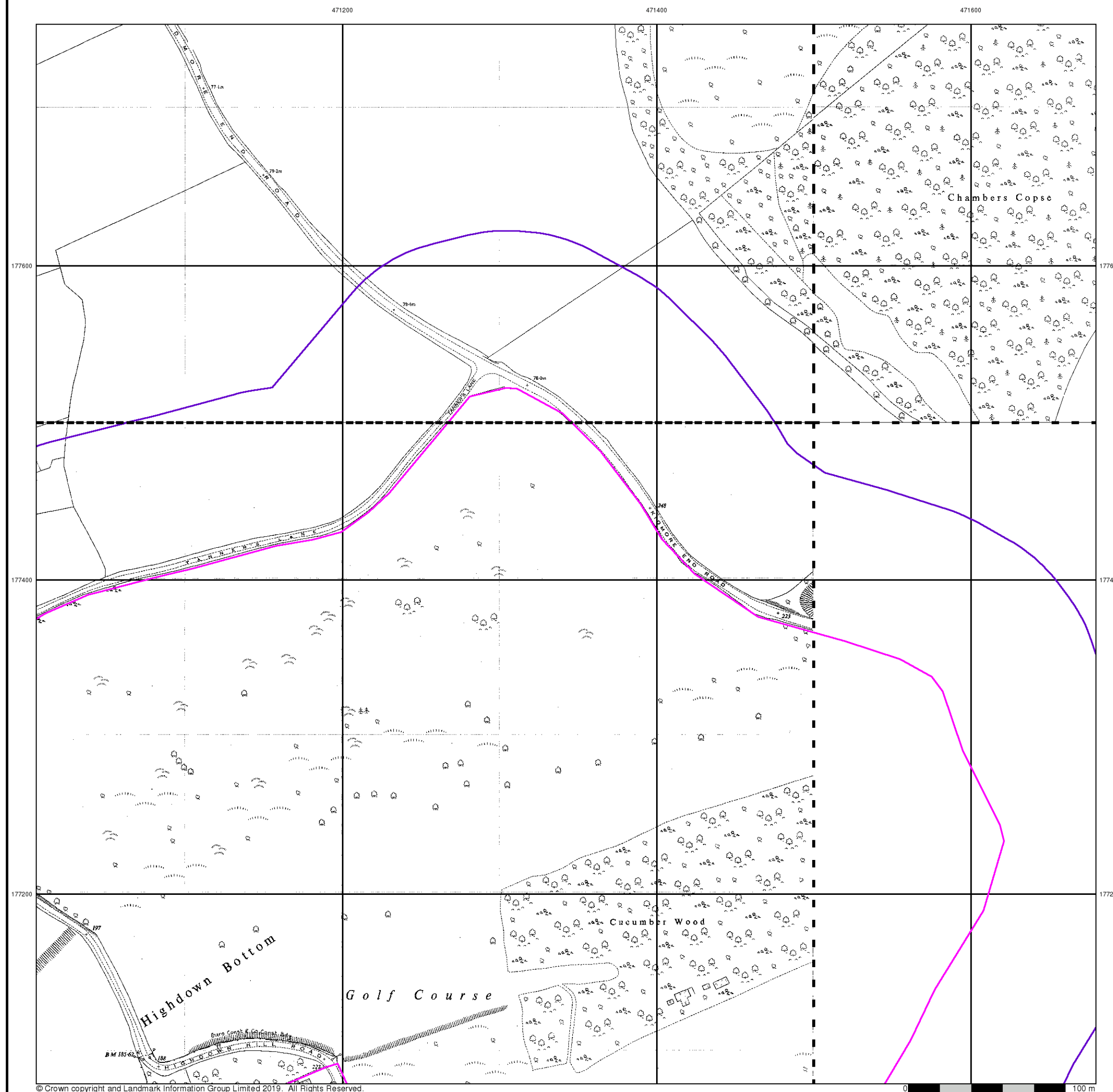
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

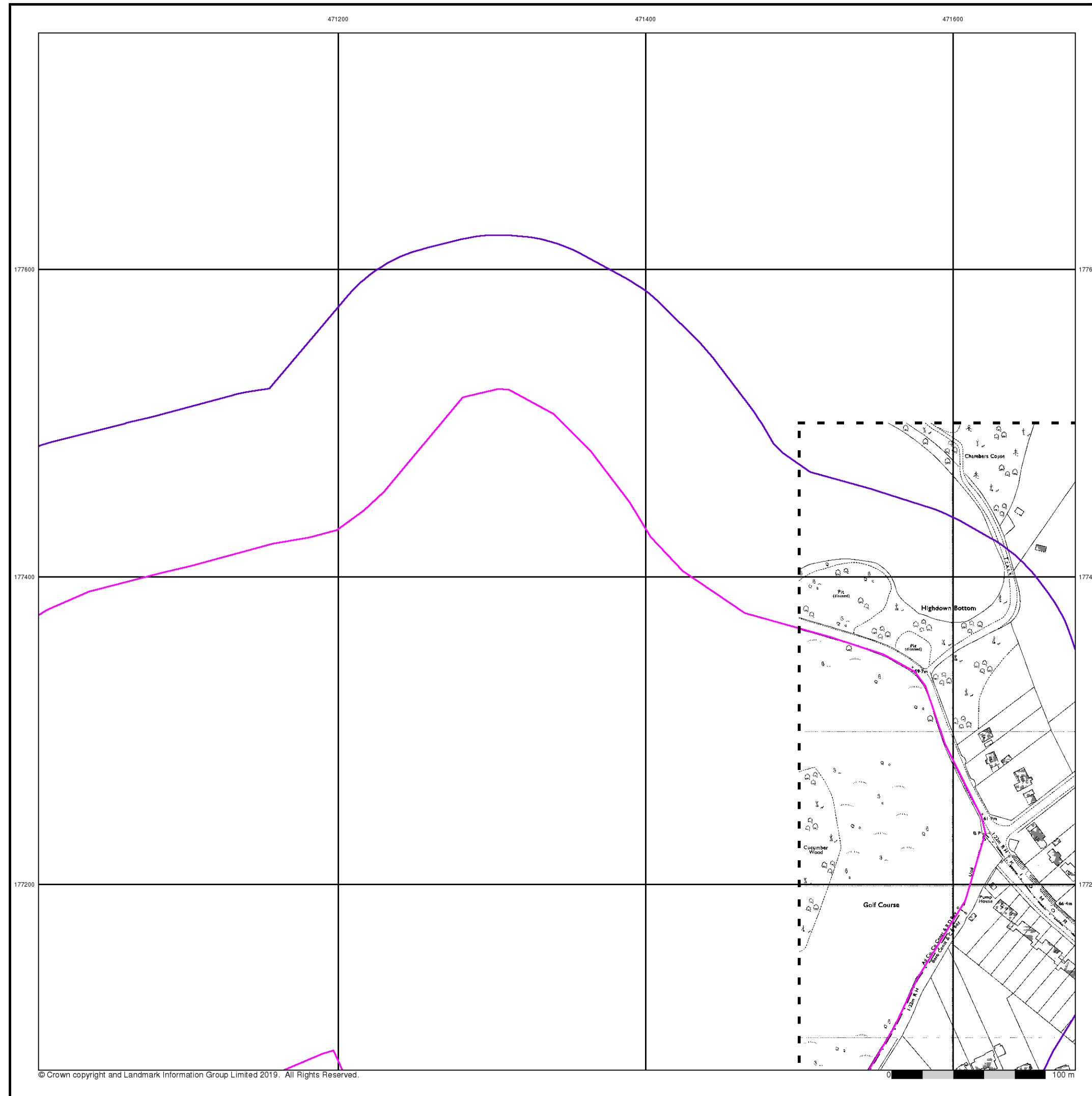
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





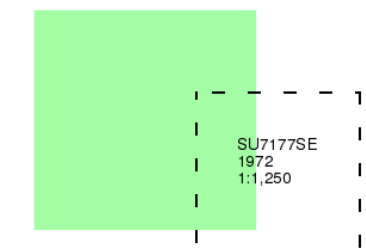
Ordnance Survey Plan

Published 1972

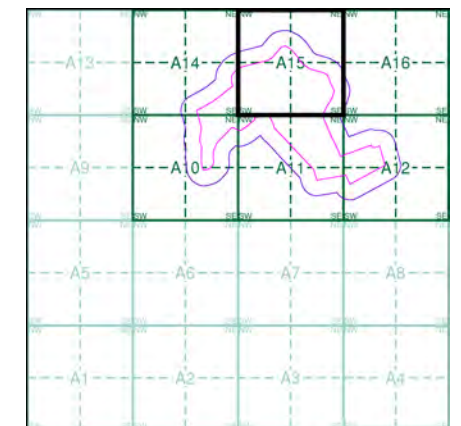
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Large-Scale National Grid Data

Published 1993

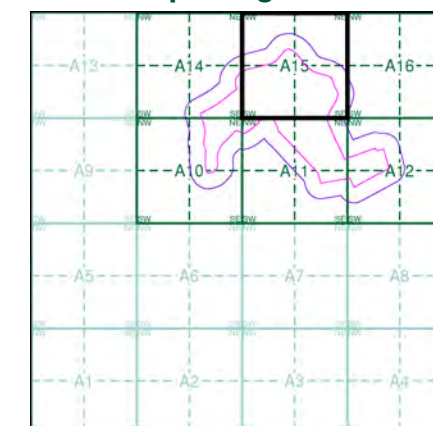
Source map scale - 1:1,250

'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)

SU7177NW 1993 1:1,250	SU7177NE 1993 1:1,250
SU7177SW 1993 1:1,250	SU7177SE 1993 1:1,250

Historical Map - Segment A15



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

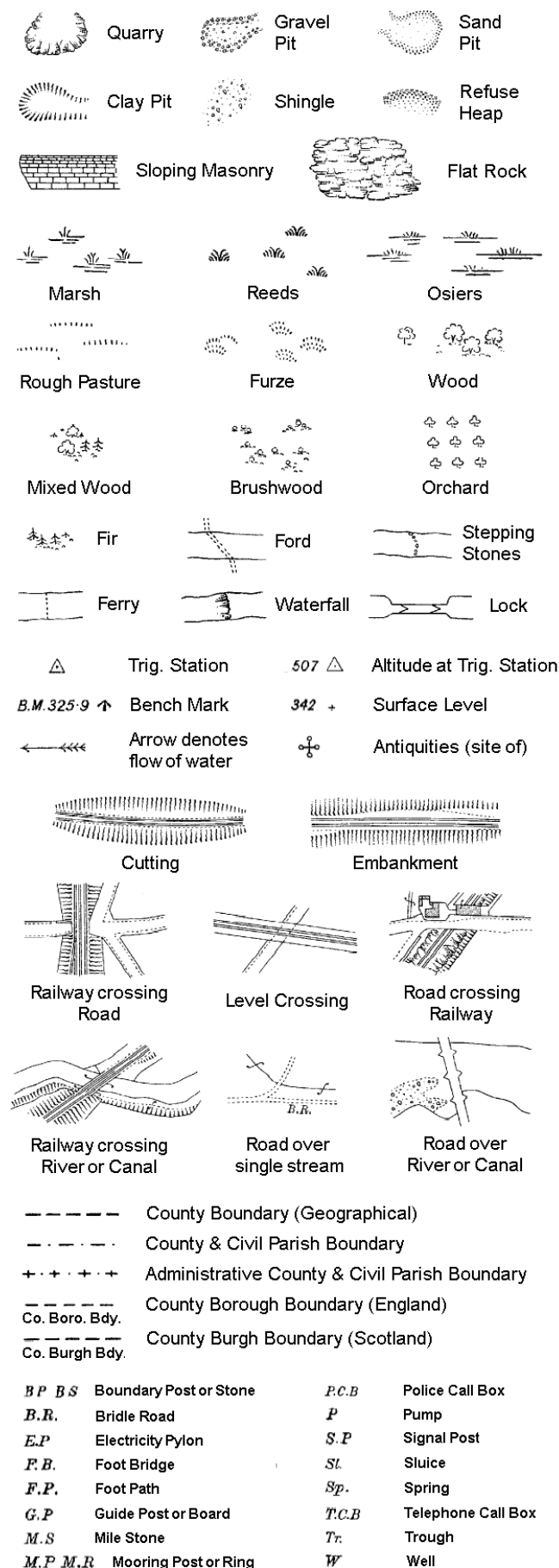


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

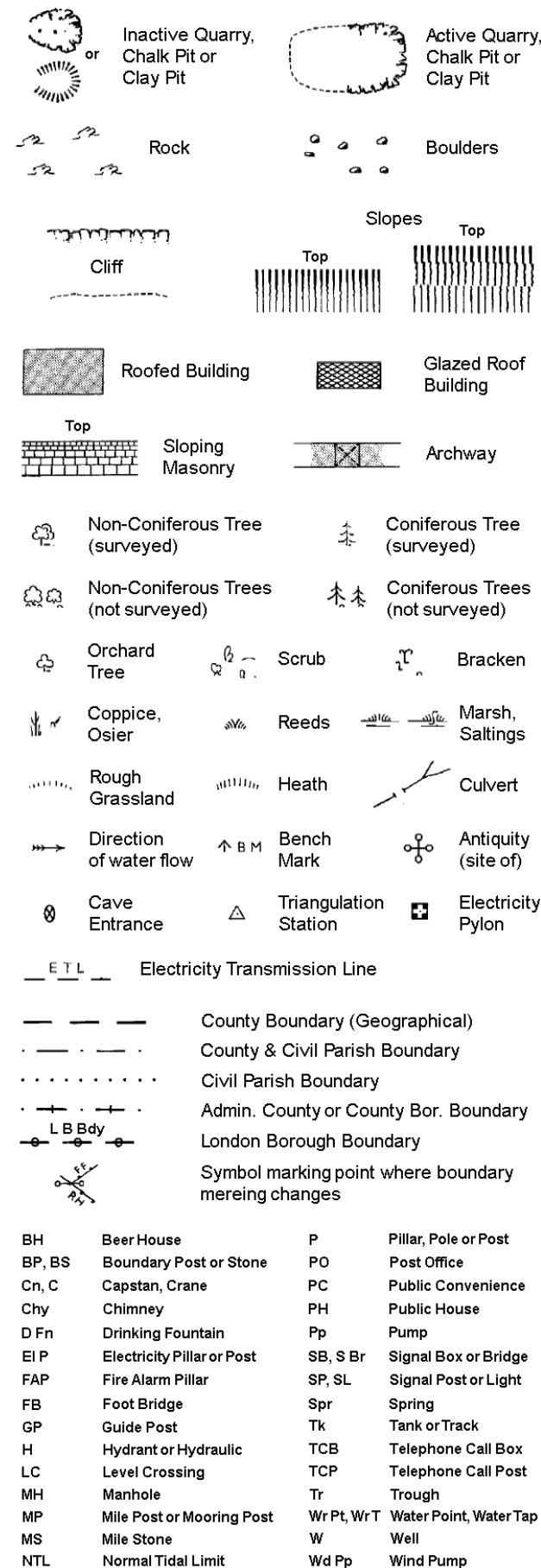


Historical Mapping Legends

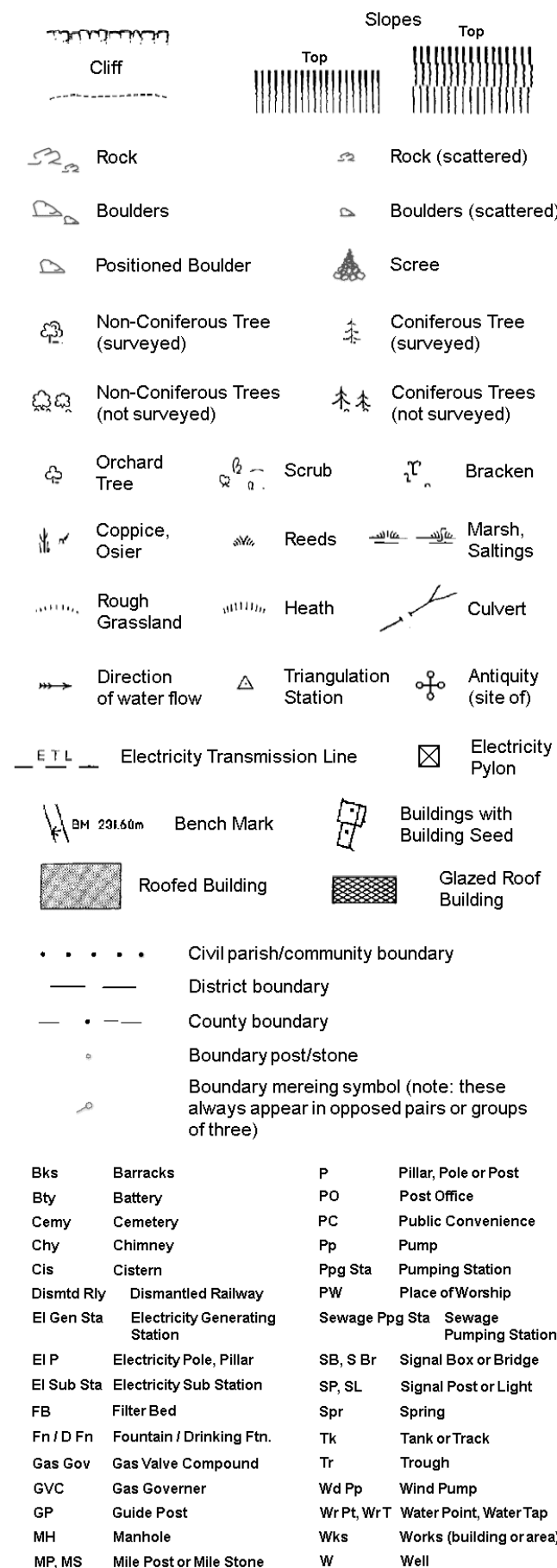
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



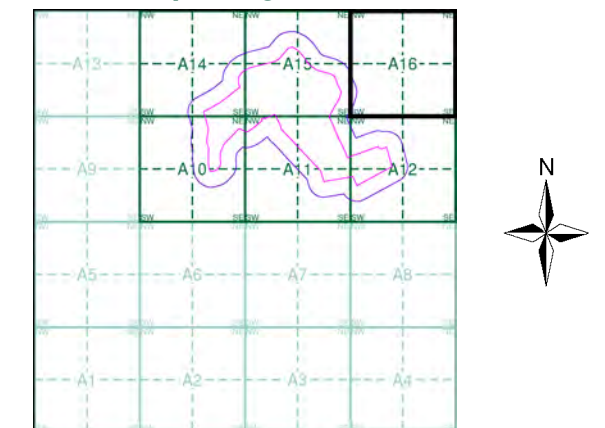
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1878 - 1879	2
Oxfordshire	1:2,500	1898	3
Berkshire	1:2,500	1913	4
Berkshire	1:2,500	1936	5
Ordnance Survey Plan	1:2,500	1956	6
Ordnance Survey Plan	1:1,250	1956	7
Additional SIMs	1:1,250	1956 - 1984	8
Ordnance Survey Plan	1:1,250	1969 - 1972	9
Ordnance Survey Plan	1:2,500	1971	10
Large-Scale National Grid Data	1:1,250	1993	11
Large-Scale National Grid Data	1:1,250	1996	12

Historical Map - Segment A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Oxfordshire

Published 1878 - 1879

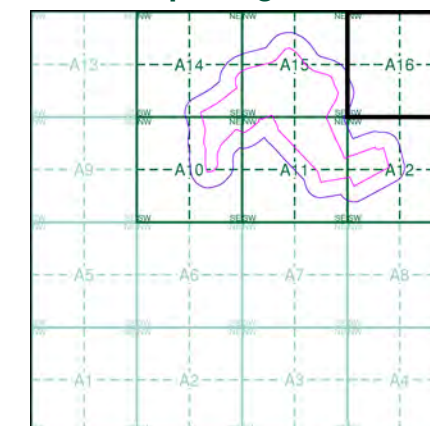
Source map scale - 1:2,500

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)

056_07
1879
1:2,500
056_11
1878
1:2,500

Historical Map - Segment A16



Order Details

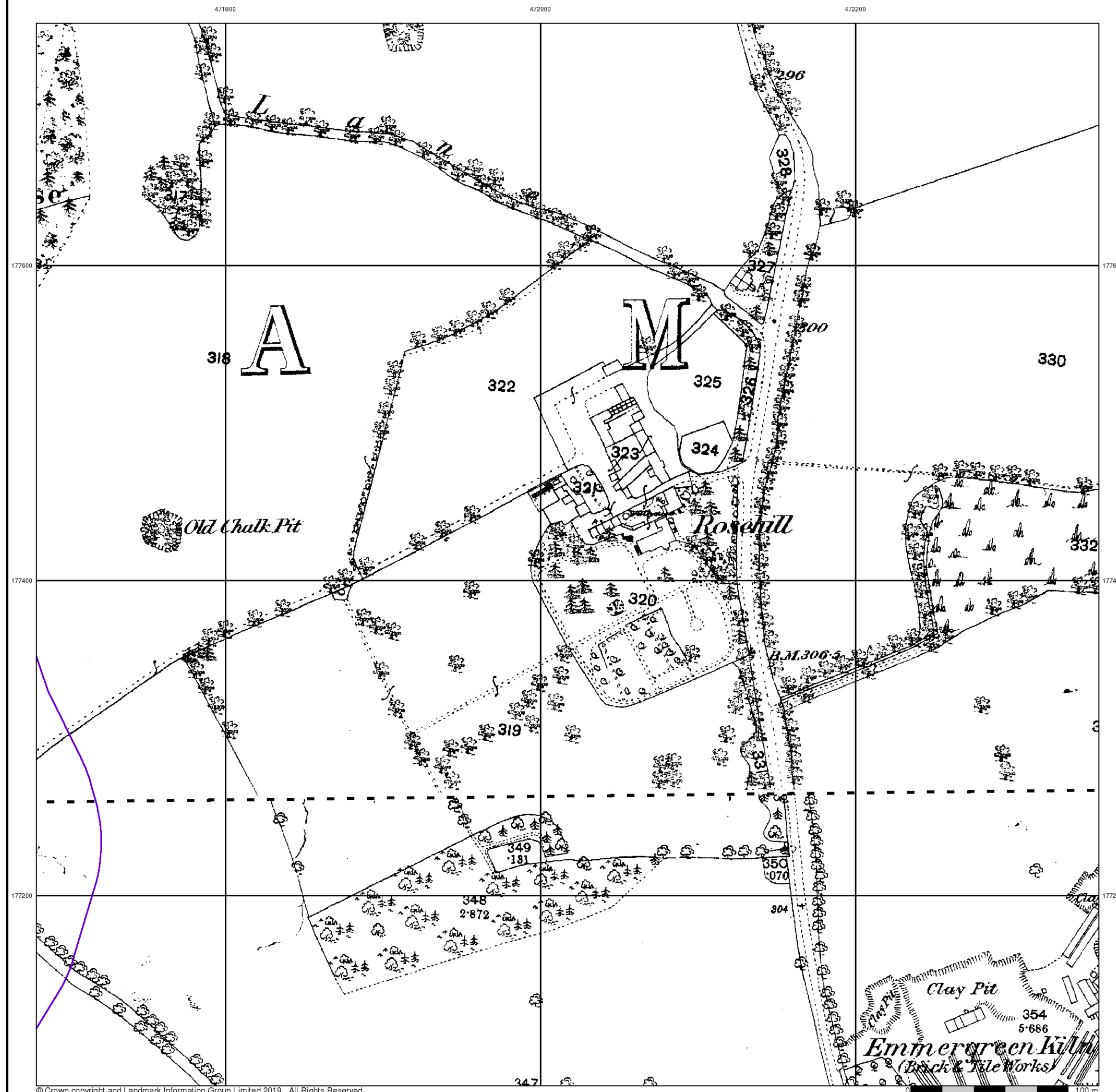
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Oxfordshire

Published 1898

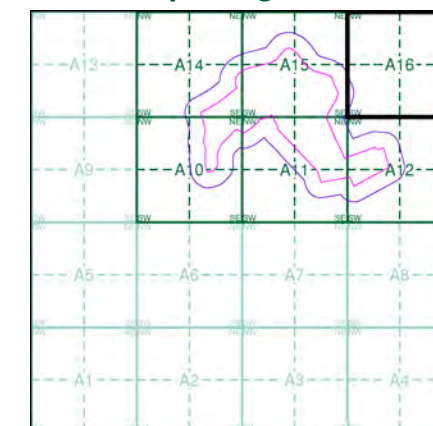
Source map scale - 1:2,500

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)

056_07
1898
1:2,500
056_11
1898
1:2,500

Historical Map - Segment A16



Order Details

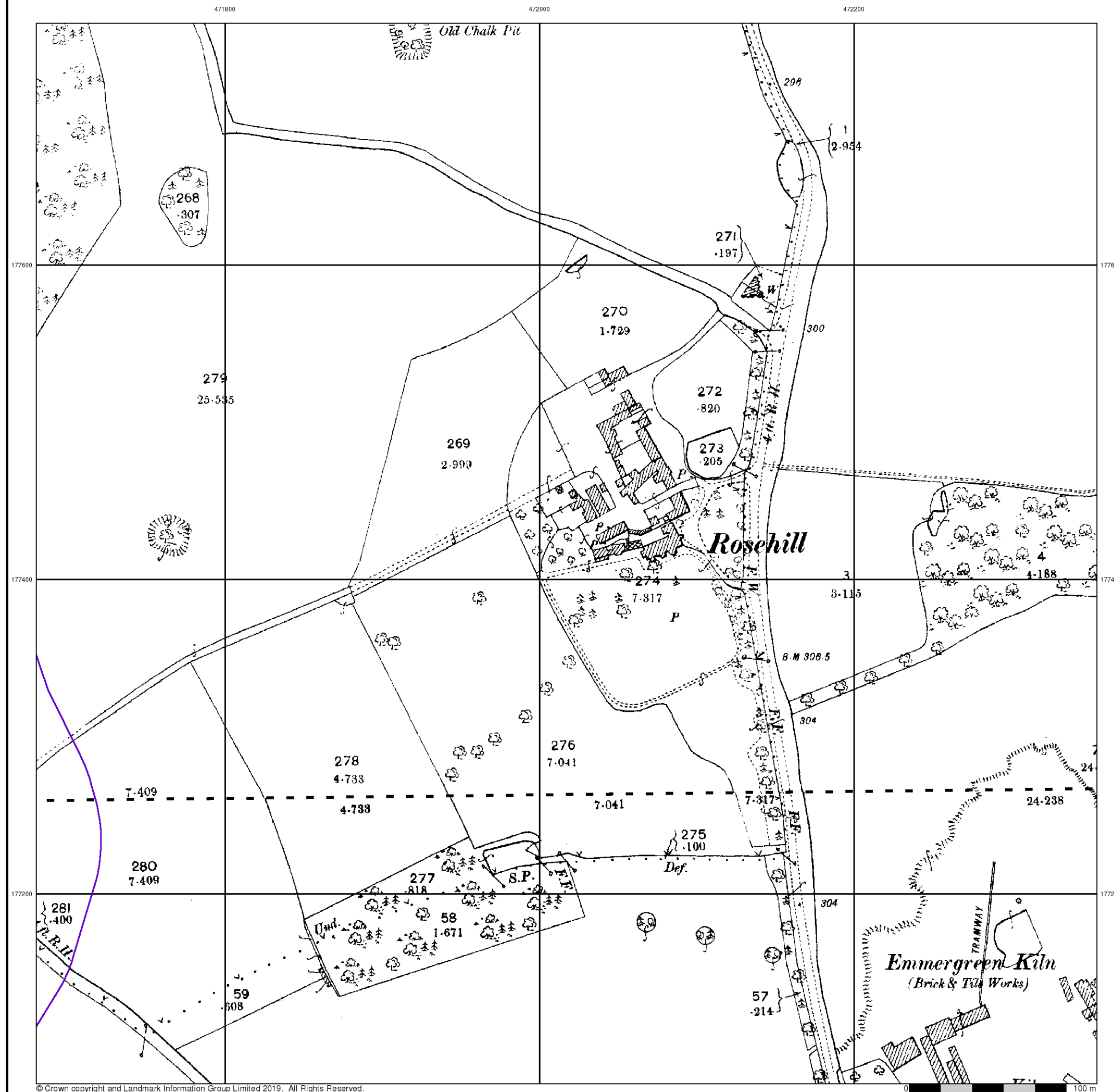
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Berkshire

Published 1913

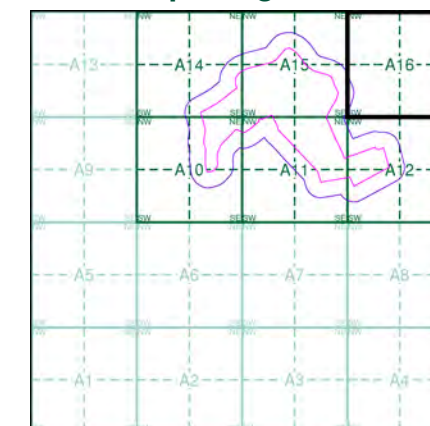
Source map scale - 1:2,500

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)

029 07
1913
1:2,500
029 11
1913
1:2,500

Historical Map - Segment A16



Order Details

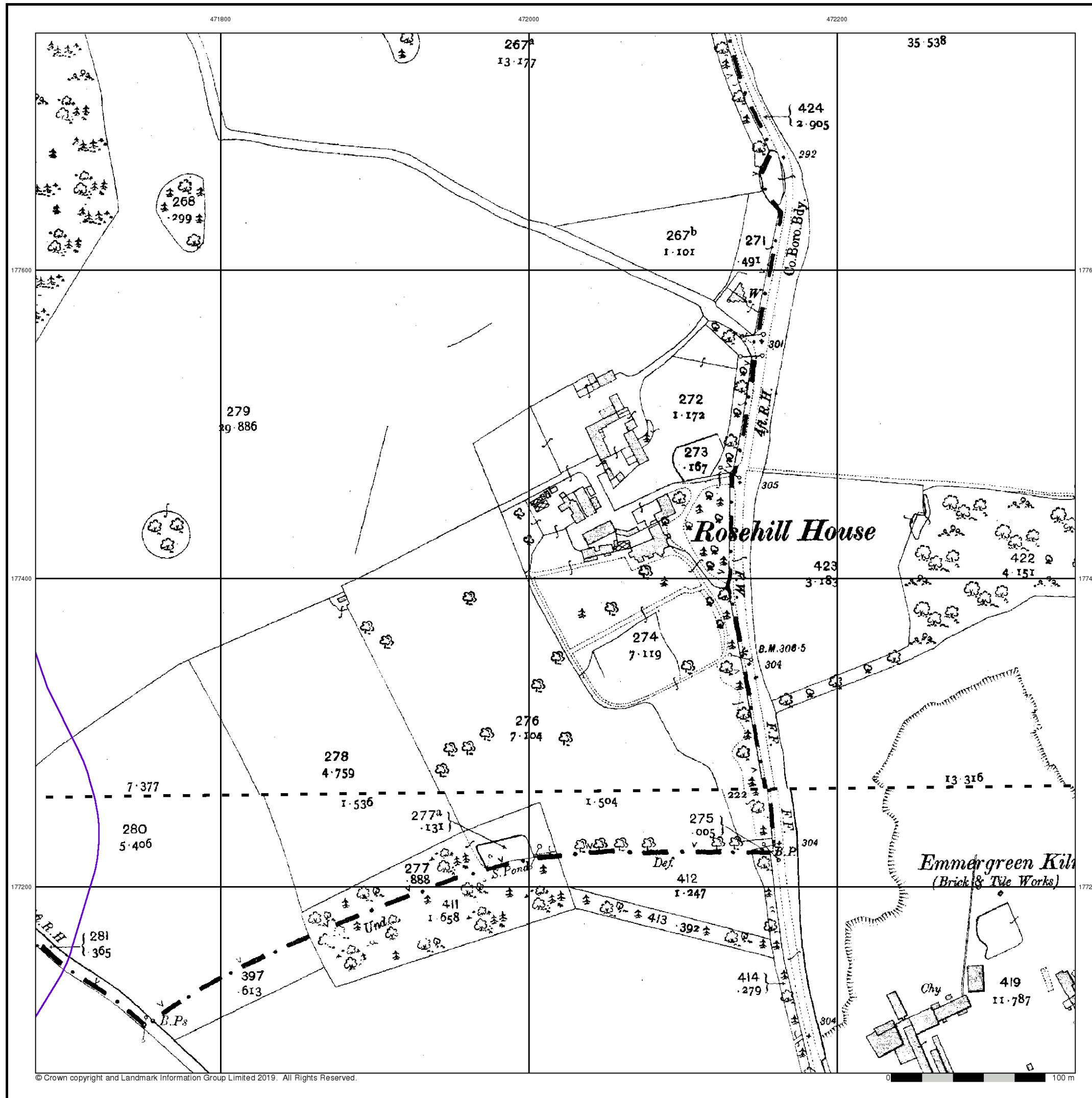
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





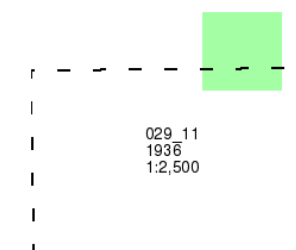
Berkshire

Published 1936

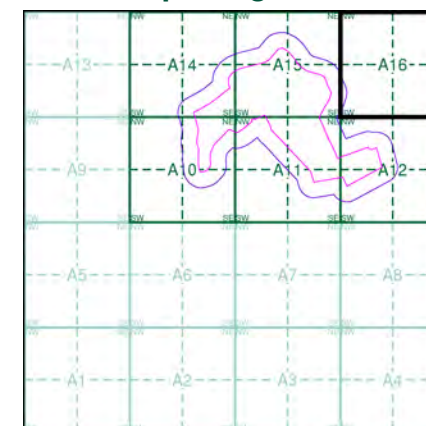
Source map scale - 1:2,500

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 A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





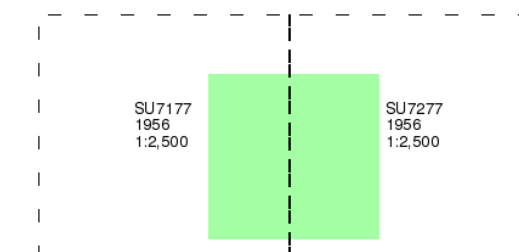
Ordnance Survey Plan

Published 1956

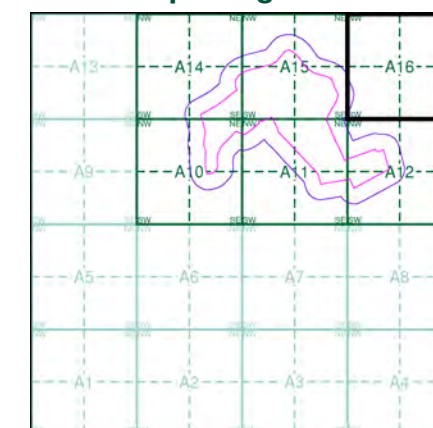
Source map scale - 1:2,500

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 A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Ordnance Survey Plan

Published 1956

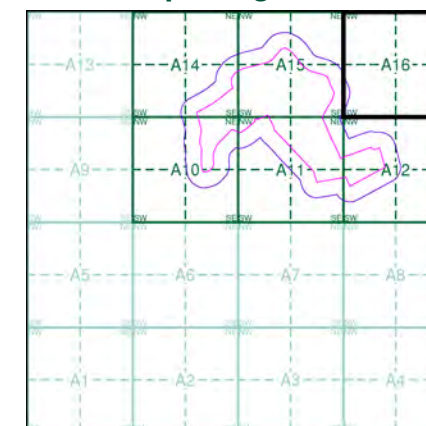
Source map scale - 1:1,250

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)

SU7177NE 1956 1:1,250	SU7277NW 1956 1:1,250
SU7177SE 1956 1:1,250	SU7277SW 1956 1:1,250

Historical Map - Segment A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





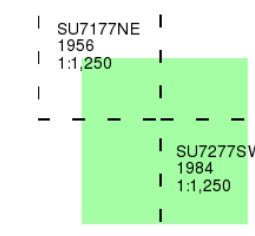
Additional SIMs

Published 1956 - 1984

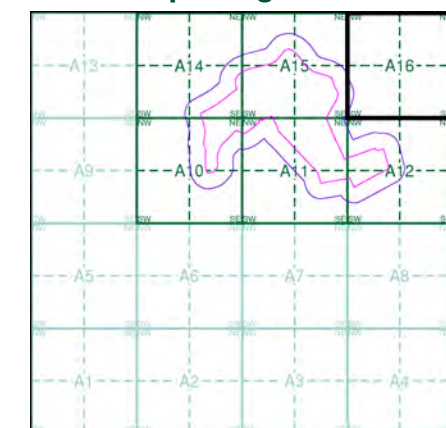
Source map scale - 1:1,250

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 A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





Ordnance Survey Plan

Published 1969 - 1972

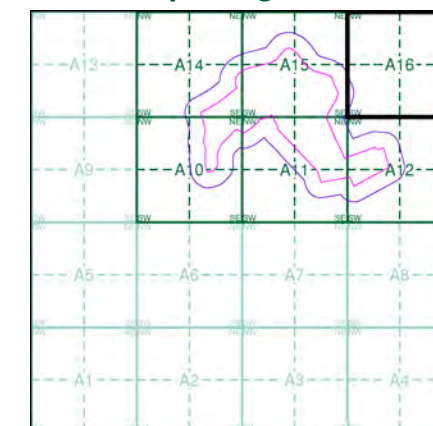
Source map scale - 1:1,250

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)

SU7277NW	1970	1:1,250
SU7177SE	1972	1:1,250
SU7277SW	1969	1:1,250

Historical Map - Segment A16



Order Details

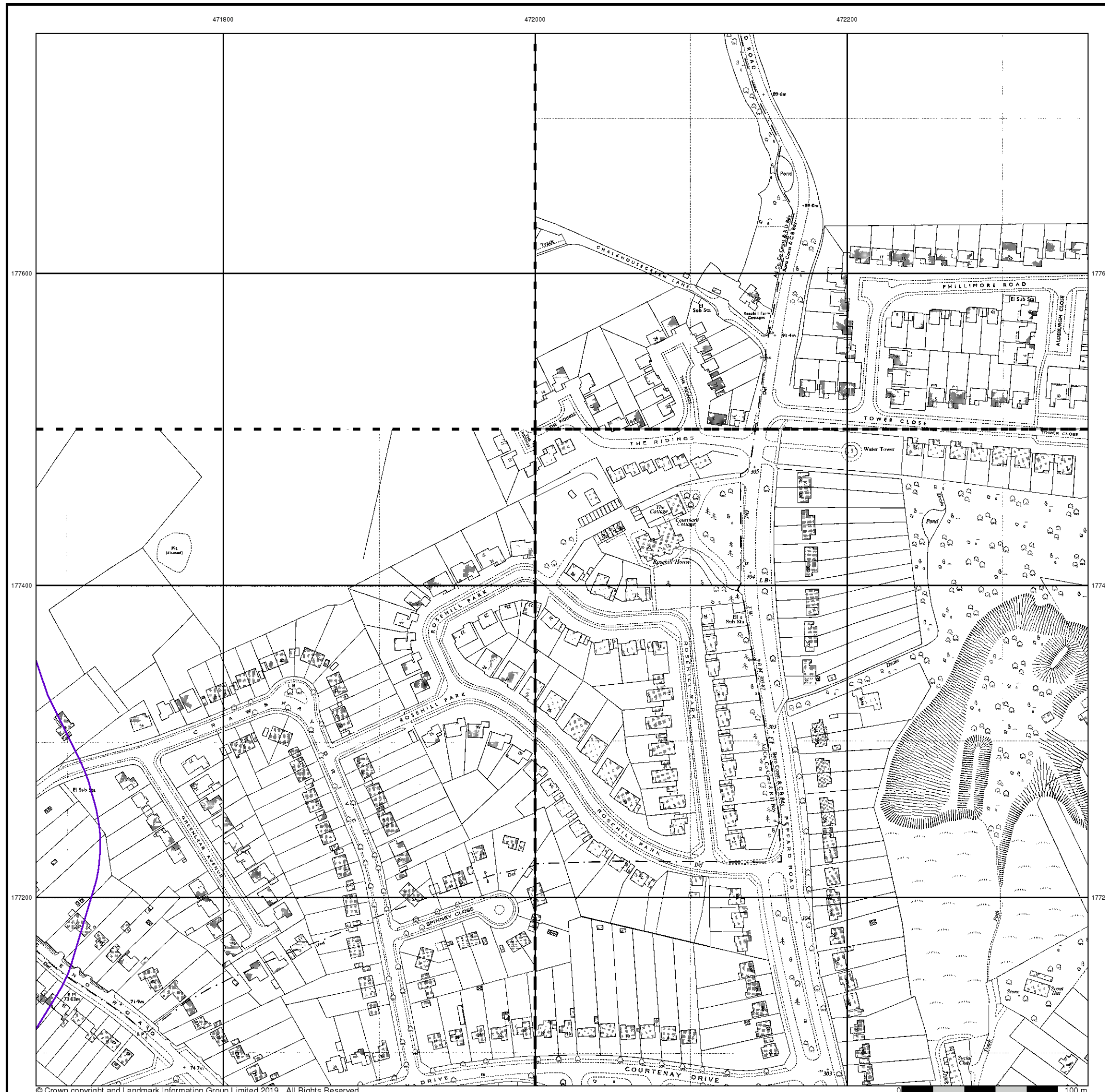
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.



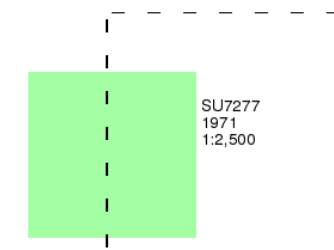
Ordnance Survey Plan

Published 1971

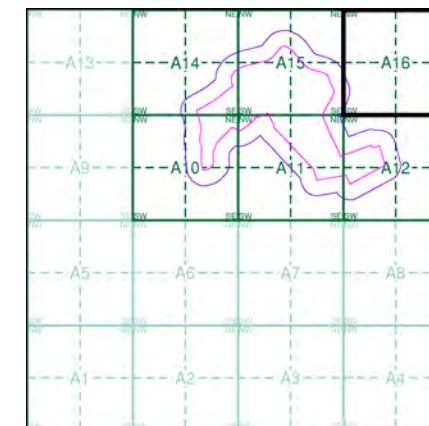
Source map scale - 1:2,500

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 A16



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Large-Scale National Grid Data

Published 1993

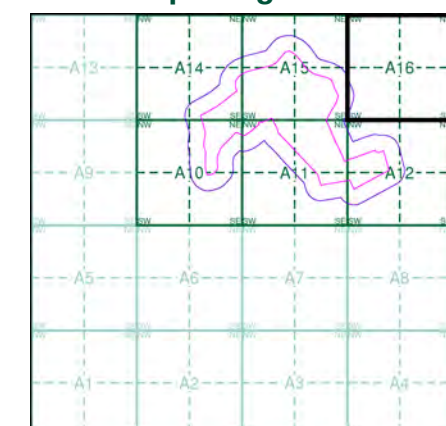
Source map scale - 1:1,250

'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)

SU7177NE 1993 1:1,250	SU7277NW 1993 1:1,250
SU7177SE 1993 1:1,250	SU7277SW 1993 1:1,250

Historical Map - Segment A16



Order Details

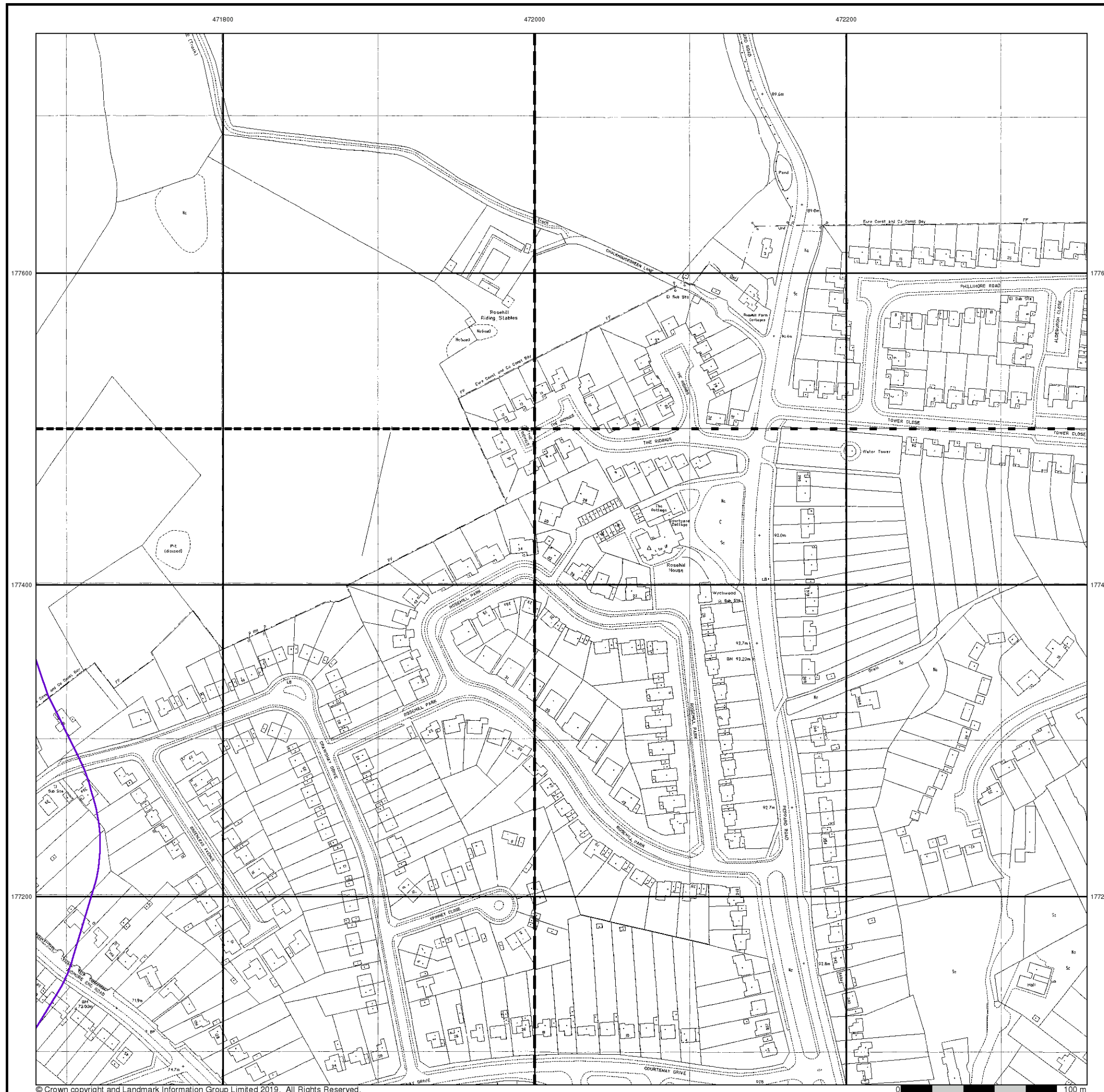
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





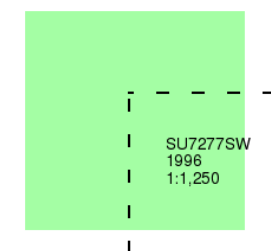
Large-Scale National Grid Data

Published 1996

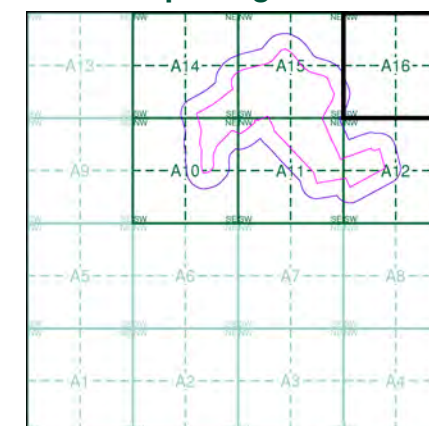
Source map scale - 1:1,250

'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 A16



Order Details

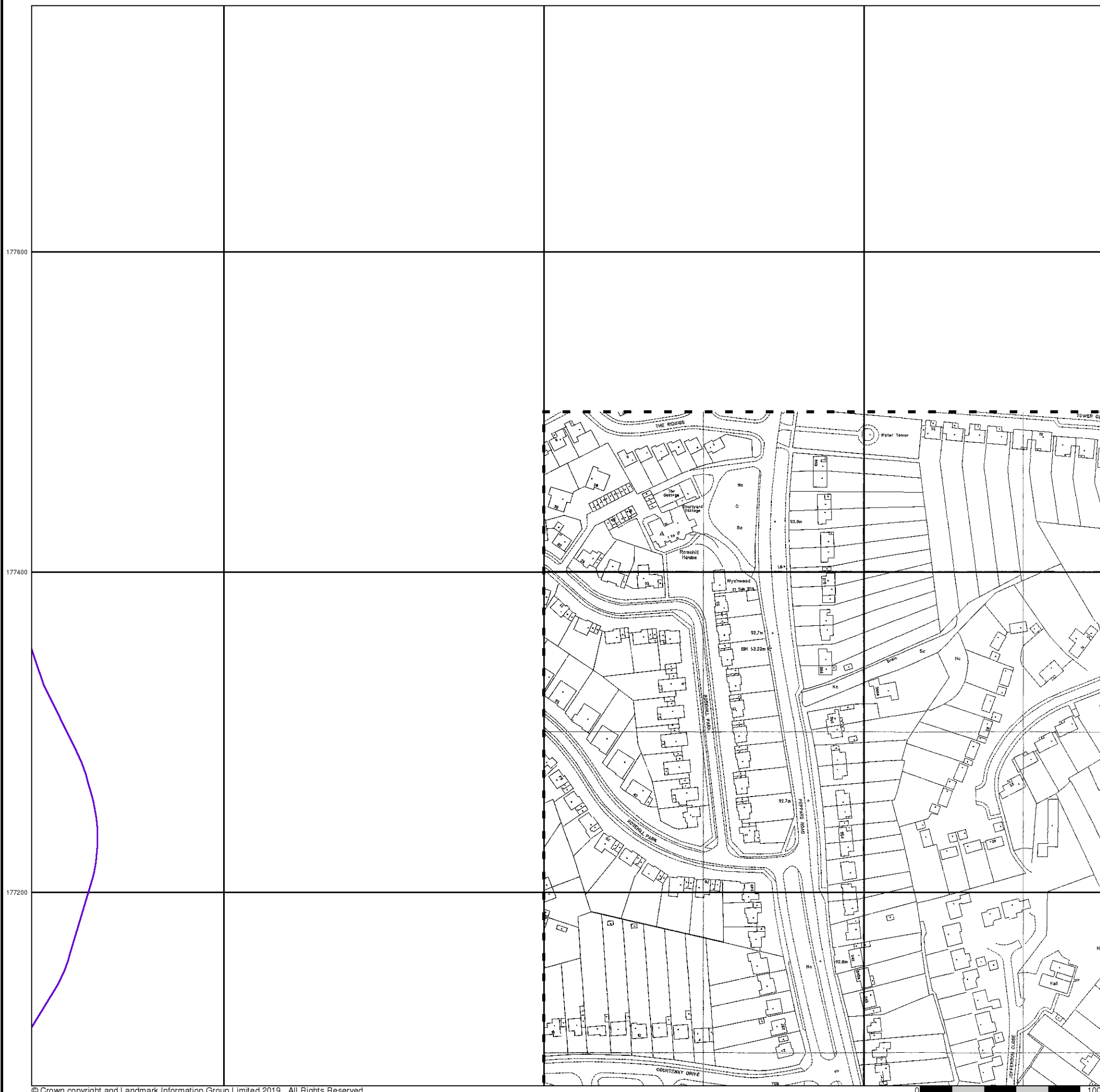
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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





APPENDIX 2
ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

191585181_1_1

Customer Reference:

12112

National Grid Reference:

471120, 176760

Slice:

A

Site Area (Ha):

44.51

Search Buffer (m):

1000

Site Details:

Reading Golf Club, 17

Kidmore End Road

Emmer Green

READING

RG4 8SQ

Client Details:

Mr P Johnson

Ground & Environmental Services Ltd

Unit 2, Montpelier Business Park

Dencora Way

Ashford

Kent

TN23 4FG



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	14
Industrial Land Use	28
Sensitive Land Use	32
Data Currency	33
Data Suppliers	37
Useful Contacts	38

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2019. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Environment Agency & United Kingdom Research and Innovation 2019. © Natural Resources Wales & United Kingdom Research and Innovation 2019.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

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

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2019. Land & Property Services © Crown copyright and database right.



Report Version v53.0

Contents



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4	2	7		1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7		Yes		
Pollution Incidents to Controlled Waters	pg 7		1	2	
Prosecutions Relating to Authorised Processes	pg 8			1	
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 8	1			(*7)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Drift Deposits	pg 10	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones	pg 10	1			1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11			1	



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 12		1		
Historical Landfill Sites	pg 12		2		1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 12	3	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 12		1		
Registered Landfill Sites	pg 13		1		
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 14	1	3	7	16
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 18	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 18		1	2	4
Natural Cavities	pg 20	4	5	1	27
Non Coal Mining Areas of Great Britain	pg 25	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 26	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 26	Yes	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 28		7	9	21
Fuel Station Entries	pg 31			1	1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 32	1	2	2	2
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 32			1	
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 32			1	
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 32	1	1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	0	1	471900 176750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (NW)	0	1	471119 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SE)	0	1	471250 176600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	0	1	470850 176900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	0	1	470800 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	0	1	471119 177150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	0	1	470900 176950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	0	1	471650 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	0	1	471100 177100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	0	1	471000 176700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (N)	0	1	471050 177050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	0	1	470800 176800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	0	1	470850 176800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	3	1	470900 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	19	1	470750 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (W)	26	1	470800 176700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (W)	28	1	470850 176700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (E)	52	1	471900 176600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (E)	69	1	471800 176600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	72	1	470700 176750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (SW)	76	1	470850 176650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	91	1	470900 176650



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	104	1	471000 176750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	126	1	470800 176600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (SW)	132	1	470750 176600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	138	1	472000 177050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	153	1	471000 176650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NW (W)	172	1	470600 176750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10SE (SW)	176	1	470850 176550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SW (W)	180	1	470600 176700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	180	1	470750 176550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (E)	186	1	472100 176900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (SW)	202	1	470950 176550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NW (W)	219	1	470550 176761
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	226	1	470850 176500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (E)	234	1	472150 176900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (E)	235	1	472000 177100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	249	1	471800 176400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	268	1	471850 176400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (NW)	278	1	470500 177250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	286	1	471650 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (NW)	291	1	470450 177150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	296	1	471800 176350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (E)	300	1	472100 176500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	302	1	471900 177350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (NW)	307	1	470550 177350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SE)	313	1	471850 176350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	322	1	471900 177400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (E)	323	1	472100 177150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	328	1	470750 176400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (E)	331	1	472250 176900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	332	1	470900 176400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	336	1	471950 177300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	337	1	471750 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NW (W)	338	1	470400 177050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (NE)	341	1	471900 177450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	343	1	471950 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (E)	344	1	472250 176950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SE)	345	1	471800 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	346	1	472050 177200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	349	1	471950 177350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (E)	363	1	472050 176400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	376	1	470800 176350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6NE (SW)	376	1	470850 176350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	378	1	470750 176350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	381	1	470900 176350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	386	1	471650 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SE)	387	1	471750 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	393	1	471600 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SE)	412	1	471500 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	426	1	470800 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SE)	436	1	471700 176200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (S)	440	1	470950 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (E)	454	1	472350 176550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	455	1	472100 176300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	471	1	471900 176200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	476	1	470800 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	476	1	470850 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SE)	486	1	471700 176150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (S)	489	1	470950 176250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	492	1	471950 176200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	495	1	472050 176250
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Kidmore Endreadingkidmore End Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1773 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 27th January 1997 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Berry'S Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A15SE (NE)	0	2	471600 177200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Reading Golf Club Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Reading Golf Club, 17 Kidmore End Road, Emmer Green, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.1586 Permit Version: 1 Effective Date: 12th May 1987 Issued Date: 12th May 1987 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Plateau Gravils O/L Chalk Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A15SE (NE)	0	2	471430 177140
3	Discharge Consents Operator: C Krzak T/A Charterist Developments Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Kidmore End Game Farm, Tanners Lane, Chalkhouse Green, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Thames - Mill Brook/Pang Reference: Cawm.0045 Permit Version: 3 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15NW (N)	53	2	471020 177440
3	Discharge Consents Operator: C Krzak T/A Charterist Developments Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Kidmore End Game Farm, Tanners Lane, Chalkhouse Green, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Thames - Mill Brook/Pang Reference: CAWM.0045 Permit Version: 1 Effective Date: 17th June 1999 Issued Date: 27th July 1999 Revocation Date: 24th January 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land 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	A15NW (N)	53	2	471020 177440
3	Discharge Consents Operator: C Krzak T/A Charterist Developments Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Kidmore End Game Farm, Tanners Lane, Chalkhouse Green, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Thames - Mill Brook/Pang Reference: Cawm.0045 Permit Version: 2 Effective Date: 25th January 2006 Issued Date: 27th July 1999 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land 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	A15NW (N)	53	2	471020 177440



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: C Krzak, Esq Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: Five House Kidmore Game Farm Tanners Lane Chalkhouse Green Berkshire Rg4 9ab Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.1202 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15NW (N)	54	2	471020 177441
3	Discharge Consents Operator: C Krzak, Esq Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: Five House Kidmore Game Farm Tanners Lane Chalkhouse Green Berkshire Rg4 9ab Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.1202 Permit Version: 1 Effective Date: 20th July 2005 Issued Date: 27th July 2005 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway 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	A15NW (N)	54	2	471020 177441
4	Discharge Consents Operator: Serviceclick Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Barn House, Field View Barn, West Barn, The Old Dairy Tanners Lanereen Chalkhouse Green, Reading Oxfordshire Rg4 9ab Authority: Environment Agency, Thames Region Catchment Area: Thames - Mill Brook/Pang Reference: Npswqd004259 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Land/Soakaway Environment: Receiving Water: Gw Via Borehole Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14NE (N)	125	2	470968 177496
4	Discharge Consents Operator: Serviceclick Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Barn House, Field View Barn, West Barn, The Old Dairy Tanners Lanereen Chalkhouse Green, Reading Oxfordshire Rg4 9ab Authority: Environment Agency, Thames Region Catchment Area: Thames - Mill Brook/Pang Reference: Npswqd004259 Permit Version: 1 Effective Date: 23rd April 2009 Issued Date: 23rd April 2009 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Land/Soakaway Environment: Receiving Water: Gw Via Borehole 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	A14NE (N)	125	2	470968 177496



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Surley Row, Readingsurley Rowreading Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2027 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 27th January 1997 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Thames Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A7NW (S)	600	2	471300 176100
6	Local Authority Pollution Prevention and Controls Name: Vag Autoworks Location: 113a Kidmore Road, Caversham, Rg4 7nh Authority: Reading Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A6NW (SW)	555	3	470501 176251
7	Local Authority Pollution Prevention and Controls Name: Tesco Stores Ltd Location: Buckingham Drive, Emmer Green, READING, Berkshire, RG4 8RZ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/30/98/P3 Dated: 4th March 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A8SW (SE)	664	3	471964 176018
	Nearest Surface Water Feature	A12SW (E)	62	-	471862 176641
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Kidmore End Road, EMMER GREEN Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 7th July 1998 Incident Reference: THWE1998039736 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SE (NE)	8	2	471600 177300
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: EMMER GREEN Authority: Environment Agency, Thames Region Pollutant: General Note: Confirmed incident Incident Date: 10th June 1999 Incident Reference: THWE1999043397 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NW (E)	340	2	472000 176400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: EMMER GREEN Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Confirmed incident Incident Date: 15th June 1999 Incident Reference: THWE1999043454 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	344	2	472000 176395
10	Prosecutions Relating to Authorised Processes Location: Hunters Chase, Caversham, READING, Berkshire, RG4 7X? Prosecution Text: EA Data 02/01/1999, Flytipping soil at Hunters Chase on 28th May 1998. Prosecution Act: EPA90 s33(1a) Hearing Date: 12th January 1999 Verdict: Guilty Fine: 250 Costs: 137.5 Positional Accuracy: Manually positioned to the road within the address or location	A10SW (SW)	320	2	470573 176486
11	Water Abstractions Operator: Reading Golf Club Ltd Licence Number: 28/39/23/0169 Permit Version: 100 Location: Reading Golf Club, Emmer Green Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 227 Yearly Rate (m3): 31823 Details: Reading Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th April 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (NE)	0	2	471460 177140
	Water Abstractions Operator: The Club Company (Uk) Ltd Licence Number: 28/39/23/0174 Permit Version: 106 Location: Mapledurham Golf Club 2010 Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1234	2	469508 177206
	Water Abstractions Operator: The Club Company (Uk) Ltd Licence Number: 28/39/23/0174 Permit Version: 105 Location: Mapledurham Golf Club Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mapledurham Golf Club Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 7th September 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1242	2	469500 177200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Clubhaus Plc Licence Number: 28/39/23/0174 Permit Version: 104 Location: Mapledurham Golf Club Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mapledurham Golf Club Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1242	2	469500 177200
	Water Abstractions Operator: Clubhaus Plc Licence Number: 28/39/23/0174 Permit Version: 103 Location: Mapledurham Golf Club Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 64 Yearly Rate (m3): 8920 Details: Mapledurham Golf Club Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1242	2	469500 177200
	Water Abstractions Operator: Caversham Heath Golf Club Licence Number: Th/039/0023/003/R01 Permit Version: 1 Location: Caversham Heath Golf Course, Mapledurham Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 6th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1521	2	469250 176720
	Water Abstractions Operator: Caversham Heath Golf Limited Licence Number: Th/039/0023/003 Permit Version: 1 Location: Caversham Heath Golf Course, Mapledurham Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 31st March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1521	2	469250 176720



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Caversham Heath Golf Club Ltd Licence Number: 28/39/23/0186 Permit Version: 1 Location: Caversham Heath Golf Course, Mapledurham Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Caversham Heath Golf Course Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 30th July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1521	2	469250 176720
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 39 West London Scale: 1:100,000	A11NW (NW)	0	2	471119 176761
	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 39 West London Scale: 1:100,000	A11SW (SE)	0	2	471323 176539
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 39 West London Scale: 1:100,000	A11SW (SW)	0	2	471062 176731
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11NW (NW)	0	4	471119 176761
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (SE)	0	4	471250 176569
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NW (NW)	0	4	471119 176761
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A14SE (NW)	0	4	470871 177183
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A10SE (SW)	0	4	470987 176684
12	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A11NW (E)	0	2	471258 176789
13	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(E)	518	2	472460 176670
	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				



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (SE)	338	5	471927 176304

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	BGS Recorded Landfill Sites Site Name: Chambers Copse Location: Kidmore End, HENLEY, Oxfordshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A15NE (N)	117	-	471390 177612
16	Historical Landfill Sites Licence Holder: Robert Gaines-Cooper Location: Tokers Green, Oxfordshire Name: Chambers Copse Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13679 First Input Date: 31st December 1969 Last Input Date: 31st December 1981 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3100/0097 BGS Ref: 227 Other Ref: OCC/R/01, OCC/R/10, TP0345, W10029, 13.6.7177	A15NE (N)	80	2	471360 177586
17	Historical Landfill Sites Licence Holder: Not Supplied Location: Emmer Green, Reading Name: Kidmoor End Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD30006 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0345/0046 BGS Ref: Not Supplied Other Ref: TP0686, RDG11	A15NW (N)	165	2	471161 177640
18	Historical Landfill Sites Licence Holder: Not Supplied Location: Reading, Berkshire Name: Silverthorne Drive Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13249 First Input Date: 31st December 1950 Last Input Date: 31st December 1959 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0345/0109 BGS Ref: Not Supplied Other Ref: TP0517, RDG16	A9SE (W)	623	2	470158 176645
	Local Authority Landfill Coverage Name: Reading Unitary Council - Has supplied landfill data		0	7	471119 176761
	Local Authority Landfill Coverage Name: Oxfordshire County Council - Has supplied landfill data		0	8	471020 176786
	Local Authority Landfill Coverage Name: South Oxfordshire District Council - Landfill data has been supplied by another authority		0	6	471020 176786
19	Local Authority Recorded Landfill Sites Location: Chambers Copse, Tokers Green, Kidmore End, South Oxfordshire Reference: 87 Authority: Oxfordshire County Council Last Reported Status: Unknown Types of Waste: Untreated Domestic And Trade Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A15NW (N)	25	8	471293 177545



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Registered Landfill Sites Licence Holder: Oxon C.C. Licence Reference: OCC/R/10 (1) Site Location: Chambers Copse (Ext.), Sonning Common, Reading, Berkshire Licence Easting: 471400 Licence Northing: 177700 Operator Location: As Site Address Authority: Environment Agency - Thames Region, West Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Local Authority Collected Waste	A15NE (N)	200	2	471400 177700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A11SW (SE)	0	1	471279 176651
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A11NW (NW)	0	1	471119 176761
21	BGS Recorded Mineral Sites Site Name: Highdown Bottom Chalk Pit Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137505 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SW (N)	0	1	471119 177082
22	BGS Recorded Mineral Sites Site Name: Chambers Copse Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28018 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SE (NE)	16	1	471510 177380
23	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Pit Location: Emmer Green, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36318 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	146	1	471745 177142
24	BGS Recorded Mineral Sites Site Name: Chamber'S Copse Gravel Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28020 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A15NW (N)	170	1	471170 177645
25	BGS Recorded Mineral Sites Site Name: Tanner'S Farm Location: Toker'S Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58221 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	316	1	470557 177367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	BGS Recorded Mineral Sites Site Name: Hanover Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 187494 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NE (E)	346	1	472254 176944
26	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137506 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (E)	364	1	472268 176960
27	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10910 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (E)	420	1	472280 177085
28	BGS Recorded Mineral Sites Site Name: Bryant'S Farm Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28019 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	487	1	471895 177705
28	BGS Recorded Mineral Sites Site Name: Chambers Copse Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28017 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	530	1	471915 177745
29	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220877 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SE (E)	494	1	472341 177128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220873 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SE (E)	496	1	472330 177149
30	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28021 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (E)	510	1	472285 177230
31	BGS Recorded Mineral Sites Site Name: Springfield Gravel Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28008 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	556	1	471870 176100
32	BGS Recorded Mineral Sites Site Name: Farthingworth Green Gravel Pit Location: Farthingworth Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137483 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SE (W)	574	1	470214 176621
33	BGS Recorded Mineral Sites Site Name: Surley Row Chalk Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28007 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	579	1	471580 176075
34	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 227237 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	596	1	472305 177330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 227237 Type: Opencast Status: Ceased Operator: Individual's Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	596	1	472305 177330
35	BGS Recorded Mineral Sites Site Name: Ashcroft Gravel Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28005 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A6NW (SW)	674	1	470595 176080
36	BGS Recorded Mineral Sites Site Name: Surley Row Clay Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28006 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SE)	694	1	471620 175950
37	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220261 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A7SW (S)	719	1	471309 175972
38	BGS Recorded Mineral Sites Site Name: Farthingworth Green Gravel Pit Location: Farthingworth Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137484 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SE (W)	738	1	470059 176565
39	BGS Recorded Mineral Sites Site Name: Toker's Green Location: Toker's Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58202 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9NW (W)	851	1	469891 177032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	BGS Recorded Mineral Sites Site Name: Ashcroft Gravel Pit Location: Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28004 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	881	1	470370 175950
40	BGS Recorded Mineral Sites Site Name: Ashcroft Chalk Pit Location: Caversham Heights, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137507 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	908	1	470365 175923
41	BGS Recorded Mineral Sites Site Name: Toker'S Green Location: Toker'S Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58197 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9NW (W)	907	1	469841 176975
42	BGS Recorded Mineral Sites Site Name: Balmore Drive Location: Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10911 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SE)	920	1	471565 175730
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11NW (NW)	0	-	471119 176761
	Man-Made Mining Cavities Easting: 471100 Northing: 176800 Distance: 199 Quadrant Reference: A11 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A11NW (NW)	199	9	471100 176800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 472270 Northing: 176940 Distance: 360 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: E Cavity Type: Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Infilled Ground Detail:	A12NE (E)	360	9	472270 176940
	Man-Made Mining Cavities Easting: 472300 Northing: 177050 Distance: 423 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: E Cavity Type: Shaft Entry Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Infilled Ground Detail:	A12NE (E)	423	9	472300 177050
	Man-Made Mining Cavities Easting: 471550 Northing: 176150 Distance: 514 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SE Cavity Type: 2x Adit Entry Chalk Mines Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: No Details Detail:	A7NE (SE)	514	9	471550 176150
	Man-Made Mining Cavities Easting: 471600 Northing: 176100 Distance: 550 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Possible Crown Hole Collapses Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Black Park Gravel Detail:	A7NE (SE)	550	9	471600 176100
	Man-Made Mining Cavities Easting: 471300 Northing: 175950 Distance: 743 Quadrant Reference: A7 Quadrant Reference: SW Bearing Ref: S Cavity Type: Adit and Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Black Park Gravel Detail:	A7SW (S)	743	9	471300 175950
	Man-Made Mining Cavities Easting: 472300 Northing: 177600 Distance: 768 Quadrant Reference: A16 Quadrant Reference: NE Bearing Ref: NE Cavity Type: Chalkwell Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology: No Details Detail:	A16NE (NE)	768	9	472300 177600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471330 Northing: 177120 Distance: 0 Quadrant Reference: A15 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Sinkhole x 3 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A15SW (NE)	0	9	471330 177120
	Natural Cavities Easting: 471141 Northing: 177417 Distance: 0 Quadrant Reference: A15 Quadrant Reference: NW Bearing Ref: N Cavity Type: Solution Pipe x 19 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A15NW (N)	0	9	471141 177417
	Natural Cavities Easting: 470900 Northing: 177080 Distance: 0 Quadrant Reference: A14 Quadrant Reference: SE Bearing Ref: NW Cavity Type: Solution Pipe x 16 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A14SE (NW)	0	9	470900 177080
	Natural Cavities Easting: 470989 Northing: 176685 Distance: 0 Quadrant Reference: A10 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Solution Pipe x 7 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel, Head Detail:	A10SE (SW)	0	9	470989 176685
	Natural Cavities Easting: 471200 Northing: 177000 Distance: 36 Quadrant Reference: A11 Quadrant Reference: NW Bearing Ref: N Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A11NW (N)	36	9	471200 177000
	Natural Cavities Easting: 471800 Northing: 176930 Distance: 61 Quadrant Reference: A12 Quadrant Reference: NW Bearing Ref: E Cavity Type: Solution Pipe x 10 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A12NW (E)	61	9	471800 176930
	Natural Cavities Easting: 471650 Northing: 177360 Distance: 75 Quadrant Reference: A15 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Solution Pipe x 17 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Black Park Gravel, Winter Hill Gravel Detail:	A15SE (NE)	75	9	471650 177360



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471200 Northing: 176700 Distance: 231 Quadrant Reference: A11 Quadrant Reference: SW Bearing Ref: SE Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A11SW (SE)	231	9	471200 176700
	Natural Cavities Easting: 471200 Northing: 176700 Distance: 231 Quadrant Reference: A11 Quadrant Reference: SW Bearing Ref: SE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A11SW (SE)	231	9	471200 176700
	Natural Cavities Easting: 471900 Northing: 177650 Distance: 451 Quadrant Reference: A16 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Sinkhole x 6, Solution Pipe x 6 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A16NW (NE)	451	9	471900 177650
	Natural Cavities Easting: 470290 Northing: 176610 Distance: 503 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	503	9	470290 176610
	Natural Cavities Easting: 470290 Northing: 176590 Distance: 508 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	508	9	470290 176590
	Natural Cavities Easting: 470290 Northing: 176590 Distance: 508 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	508	9	470290 176590
	Natural Cavities Easting: 470280 Northing: 176610 Distance: 512 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	512	9	470280 176610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 470270 Northing: 176600 Distance: 524 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	524	9	470270 176600
	Natural Cavities Easting: 470270 Northing: 176590 Distance: 527 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	527	9	470270 176590
	Natural Cavities Easting: 470270 Northing: 176580 Distance: 530 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	530	9	470270 176580
	Natural Cavities Easting: 470260 Northing: 176590 Distance: 537 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	537	9	470260 176590
	Natural Cavities Easting: 470260 Northing: 176580 Distance: 540 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	540	9	470260 176580
	Natural Cavities Easting: 471800 Northing: 176100 Distance: 542 Quadrant Reference: A8 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Black Park Gravel, Worked Ground Detail:	A8NW (SE)	542	9	471800 176100
	Natural Cavities Easting: 470230 Northing: 176570 Distance: 571 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	571	9	470230 176570



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 470230 Northing: 176570 Distance: 571 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	571	9	470230 176570
	Natural Cavities Easting: 470220 Northing: 176570 Distance: 581 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	581	9	470220 176570
	Natural Cavities Easting: 471560 Northing: 176070 Distance: 589 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A7NE (SE)	589	9	471560 176070
	Natural Cavities Easting: 472200 Northing: 177400 Distance: 592 Quadrant Reference: A16 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Winter Hill Gravel Detail:	A16SE (NE)	592	9	472200 177400
	Natural Cavities Easting: 470770 Northing: 176130 Distance: 596 Quadrant Reference: A6 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A6NE (SW)	596	9	470770 176130
	Natural Cavities Easting: 472250 Northing: 177400 Distance: 618 Quadrant Reference: A16 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Winter Hill Gravel Detail:	A16SE (NE)	618	9	472250 177400
	Natural Cavities Easting: 470200 Northing: 176500 Distance: 623 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe x 4 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	623	9	470200 176500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 470170 Northing: 176550 Distance: 634 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	634	9	470170 176550
	Natural Cavities Easting: 470700 Northing: 176000 Distance: 731 Quadrant Reference: A6 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A6SE (SW)	731	9	470700 176000
	Natural Cavities Easting: 470000 Northing: 176800 Distance: 768 Quadrant Reference: A9 Quadrant Reference: NE Bearing Ref: W Cavity Type: Solution Pipe x 10 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9NE (W)	768	9	470000 176800
	Natural Cavities Easting: 471400 Northing: 175850 Distance: 820 Quadrant Reference: A7 Quadrant Reference: SE Bearing Ref: S Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A7SE (S)	820	9	471400 175850
	Natural Cavities Easting: 469980 Northing: 176350 Distance: 885 Quadrant Reference: A5 Quadrant Reference: NW Bearing Ref: W Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A5NW (W)	885	9	469980 176350
	Natural Cavities Easting: 469950 Northing: 176400 Distance: 892 Quadrant Reference: A5 Quadrant Reference: NW Bearing Ref: W Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A5NW (W)	892	9	469950 176400
	Natural Cavities Easting: 470300 Northing: 175900 Distance: 959 Quadrant Reference: A5 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Sinkhole x 3, Solution Pipe x 6 Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A5SE (SW)	959	9	470300 175900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 469800 Northing: 176600 Distance: 984 Quadrant Reference: A9 Quadrant Reference: SW Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SW (W)	984	9	469800 176600
	Natural Cavities Easting: 469800 Northing: 176600 Distance: 984 Quadrant Reference: A9 Quadrant Reference: SW Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SW (W)	984	9	469800 176600
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	246	1	472153 176934
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	1	471527 176435
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	1	470966 176702
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	470842 176912
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470818 177248
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471189 176636
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	471521 176920
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	1	1	471158 176809
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NW (NW)	195	1	470560 177000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	1	470966 176702
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	470842 176912
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	1	470826 176828
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	64	1	470987 176684
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	203	1	470942 176562
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	470987 176684
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	470987 176684
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471051 176749
	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	A11NW (NW)	0	1	471119 176761



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471051 176749



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Contemporary Trade Directory Entries Name: Gardner Mechanical Services Ltd Location: 6, Soane End, Emmer Green, Reading, RG4 8QW Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (N)	23	-	471071 176987
44	Contemporary Trade Directory Entries Name: Tanners Farm Dairy Location: Tanners Lane, Chalkhouse Green, Reading, RG4 9AB Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (N)	57	-	470983 177428
45	Contemporary Trade Directory Entries Name: The Plant Studio Location: 118, Kidmore End Road, Emmer Green, Reading, RG4 8SL Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (E)	144	-	471868 177029
46	Contemporary Trade Directory Entries Name: Telephone Systems Location: 57, Grove Road, Emmer Green, Reading, RG4 8LJ Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SE)	168	-	471732 176468
46	Contemporary Trade Directory Entries Name: Caversham Supplies Location: 61, Grove Road, Emmer Green, Reading, RG4 8LJ Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SE)	201	-	471729 176435
47	Contemporary Trade Directory Entries Name: M B C Fencing Location: 33, Grove Road, Emmer Green, READING, RG4 8LJ Classification: Gate Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (E)	172	-	471841 176505
48	Contemporary Trade Directory Entries Name: B Dargie Location: 16, Greenleas Avenue, Emmer Green, Reading, Berkshire, RG4 8TA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SW (NE)	204	-	471824 177216
49	Contemporary Trade Directory Entries Name: Emmer Green Garage Location: 236, Peppard Road, Emmer Green, READING, RG4 8UA Classification: Car Customisation & Conversion Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (E)	266	-	472181 176632
50	Contemporary Trade Directory Entries Name: Killpest Location: 22, Crawshay Drive, Emmer Green, Reading, RG4 8SX Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SW (NE)	276	-	471893 177282
51	Contemporary Trade Directory Entries Name: G & S Joint Sealing Specialists Ltd Location: 25, Knights Way, Emmer Green, Reading, Berkshire, RG4 8RJ Classification: Seal & Joint Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SE)	316	-	471897 176371
51	Contemporary Trade Directory Entries Name: C F L Location: 28, Knights Way, Emmer Green, Reading, RG4 8RH Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SE)	339	-	471932 176364
52	Contemporary Trade Directory Entries Name: Bright Electrical Services Location: 48, Rosehill Park, Emmer Green, Reading, Berkshire, RG4 8XE Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SW (NE)	319	-	471919 177347



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Contemporary Trade Directory Entries Name: Caversham Cleaning Contractors Location: 19, Stuart Close, Emmer Green, Reading, RG4 8RF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SE)	377	-	471682 176262
54	Contemporary Trade Directory Entries Name: Chemex Location: 4, Bramblings, Caversham, Reading, RG4 7XB Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	380	-	470441 176556
55	Contemporary Trade Directory Entries Name: Dr Dent Location: 174, Peppard Road, Emmer Green, Reading, RG4 8TU Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (E)	464	-	472163 176347
56	Contemporary Trade Directory Entries Name: Holistic & Beauty Location: 302, Kidmore Road, Caversham, Reading, RG4 7NG Classification: Electrolysis Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	485	-	470303 176630
57	Contemporary Trade Directory Entries Name: Kennett Components Location: 4, The Ridings, Emmer Green, Reading, RG4 8XL Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A16NE (NE)	511	-	472074 177475
58	Contemporary Trade Directory Entries Name: Immaculate Cleaning Location: 1, Chaucer Close, Emmer Green, Reading, RG4 8PA Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (S)	561	-	471386 176116
59	Contemporary Trade Directory Entries Name: Mum & Me Cleaning Services Location: 4, Sandcroft Road, Caversham, Reading, RG4 7NP Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (W)	562	-	470235 176585
60	Contemporary Trade Directory Entries Name: Lantronix Location: 10, Uplands Road, Caversham, Reading, RG4 7JG Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NW (SW)	581	-	470371 176318
61	Contemporary Trade Directory Entries Name: Frozen Animal Foods Location: A, 109, Kidmore Road, Caversham, Reading, RG4 7NH Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NW (SW)	584	-	470522 176206
61	Contemporary Trade Directory Entries Name: Grosvenor Motor Co Ltd Location: 109, Kidmore Road, Caversham, Reading, RG4 7NH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NW (SW)	604	-	470543 176174
62	Contemporary Trade Directory Entries Name: Vag Autoworks Ltd Location: 113a, Kidmore Road, Caversham, Reading, RG4 7NH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NW (SW)	595	-	470458 176230
62	Contemporary Trade Directory Entries Name: V A G Auto Works Location: 113a, Kidmore Road, Caversham, Reading, RG4 7NH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A6NW (SW)	595	-	470458 176230



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Contemporary Trade Directory Entries Name: Esso Location: Buckingham Drive, Emmer Green, Reading, Berkshire, RG4 8RZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NW (SE)	628	-	471987 176067
64	Contemporary Trade Directory Entries Name: Mma Lighting Consultancy Ltd Location: 31, Surley Row, Emmer Green, Reading, RG4 8ND Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SE)	643	-	471619 176002
65	Contemporary Trade Directory Entries Name: Esso Location: Buckingham Drive, Emmer Green, Reading, RG4 8RZ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (SE)	664	-	471964 176018
65	Contemporary Trade Directory Entries Name: Buckingham Drive Esso Service Station Location: Buckingham Drive, Emmer Green, Reading, RG4 8RZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SE)	664	-	471964 176018
66	Contemporary Trade Directory Entries Name: Caversham Cleaning Location: 142, Kidmore Road, Caversham, Reading, RG4 7NB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A6SE (SW)	672	-	470738 176055
67	Contemporary Trade Directory Entries Name: Ta Domestic & Commercial Location: 28, Silverthorne Drive, Caversham, Reading, RG4 7NS Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (W)	750	-	470050 176551
68	Contemporary Trade Directory Entries Name: Turbo Rover Reading Location: 260 Kidmore Road, Kidmore End, Reading, Berkshire, RG4 9ED Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SW (W)	822	-	469916 177110
69	Contemporary Trade Directory Entries Name: Property Preservation Ltd Location: 24, Shepherds Lane, Caversham, Reading, RG4 7JL Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (W)	823	-	469954 176668
70	Contemporary Trade Directory Entries Name: Spraytech Mobile Body Repairs Location: 2, Grove Hill, Emmer Green, Reading, RG4 8PN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (S)	842	-	471287 175851
71	Contemporary Trade Directory Entries Name: Clean Green Living Location: 38, Sheridan Avenue, Caversham, Reading, RG4 7QD Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A6SE (S)	866	-	470997 175885
72	Contemporary Trade Directory Entries Name: G T N Pcb Services Location: 35, Picton Way, Caversham, Reading, RG4 8NJ Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	911	-	471691 175726
73	Contemporary Trade Directory Entries Name: Bobbles Dry Cleaners Location: 326, Hemdean Road, Caversham, Reading, RG4 7QS Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (S)	911	-	471148 175826



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Contemporary Trade Directory Entries Name: Gas Appliance Servicing Location: 71, Peppard Road, Caversham, Reading, RG4 8NH Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	989	-	471783 175649
75	Fuel Station Entries Name: Emmer Green Garage Location: 236, Peppard Road , Emmer Green , Reading, Reading, RG4 8UA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12SE (E)	266	-	472181 176631
76	Fuel Station Entries Name: Emmer Green Express Location: Buckingham Drive , Emmer Green , Reading, Reading, RG4 8RZ Brand: ESSO Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A8SW (SE)	664	-	471964 176018

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Ancient Woodland Name: Cucumber Wood Reference: 1504575 Area(m²): 22589.21 Type: Ancient and Semi-Natural Woodland	A15SW (NE)	0	10	471322 177087
78	Ancient Woodland Name: Chambers Copse Reference: 1504544 Area(m²): 44932.35 Type: Ancient and Semi-Natural Woodland	A15NE (NE)	111	10	471631 177434
79	Ancient Woodland Name: Chambers Copse Reference: 1504574 Area(m²): 10115.3 Type: Ancient and Semi-Natural Woodland	A15NE (NE)	184	10	471486 177620
80	Ancient Woodland Name: Blackhouse Wood Reference: 1475860 Area(m²): 86880.36 Type: Ancient and Semi-Natural Woodland	A12NE (E)	373	10	472292 176905
81	Ancient Woodland Name: Appledons Copse Reference: 1504532 Area(m²): 3501.05 Type: Plantation on Ancient Woodland	(N)	475	10	470729 177761
82	Ancient Woodland Name: Dysons Wood Reference: 1497327 Area(m²): 75357.43 Type: Plantation on Ancient Woodland	(NW)	645	10	470560 177846
83	Ancient Woodland Name: Blackhouse Wood Reference: 1504495 Area(m²): 58448.96 Type: Ancient and Semi-Natural Woodland	(E)	847	10	472707 177175
84	Areas of Outstanding Natural Beauty Name: Chilterns Multiple Areas: Y Total Area (m2): 838304032.53 Designation Date: 30th March 1990 Source: Natural England	A14NW (NW)	471	10	470619 177656
85	Local Nature Reserves Name: Clayfield Copse Multiple Area: N Area (m2): 86481.4 Source: Natural England Designation Date: 11th August 1991	A12NE (E)	373	10	472292 176905
86	Nitrate Vulnerable Zones Name: Thames Wallingford To Caversham Nvz Description: Surface Water Source: Environment Agency, Head Office	A11NW (NW)	0	4	471119 176761
87	Nitrate Vulnerable Zones Name: Sheeplands Description: Groundwater Source: Environment Agency, Head Office	A12NE (E)	195	4	472140 176780



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Reading Borough Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department	April 2014 January 2015 November 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	October 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	October 2018 October 2018	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2015 October 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2015 October 2014	Annual Rolling Update Bi-Annually Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2015 October 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Thames Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	October 2018 October 2018	Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	October 2018	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2018	Quarterly
Flood Defences Environment Agency - Head Office	August 2018	Quarterly
OS Water Network Lines Ordnance Survey	October 2018	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	July 2018 July 2018	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	October 2018 October 2018	Quarterly Quarterly
Local Authority Landfill Coverage Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - West Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Oxfordshire County Council South Oxfordshire District Council - Planning Department (West) West Berkshire Council Reading Borough Council - Planning	February 2016 February 2016 February 2016 May 2016	Variable Variable Variable Variable
Planning Hazardous Substance Consents Oxfordshire County Council South Oxfordshire District Council - Planning Department (West) West Berkshire Council Reading Borough Council - Planning	February 2016 February 2016 February 2016 May 2016	Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

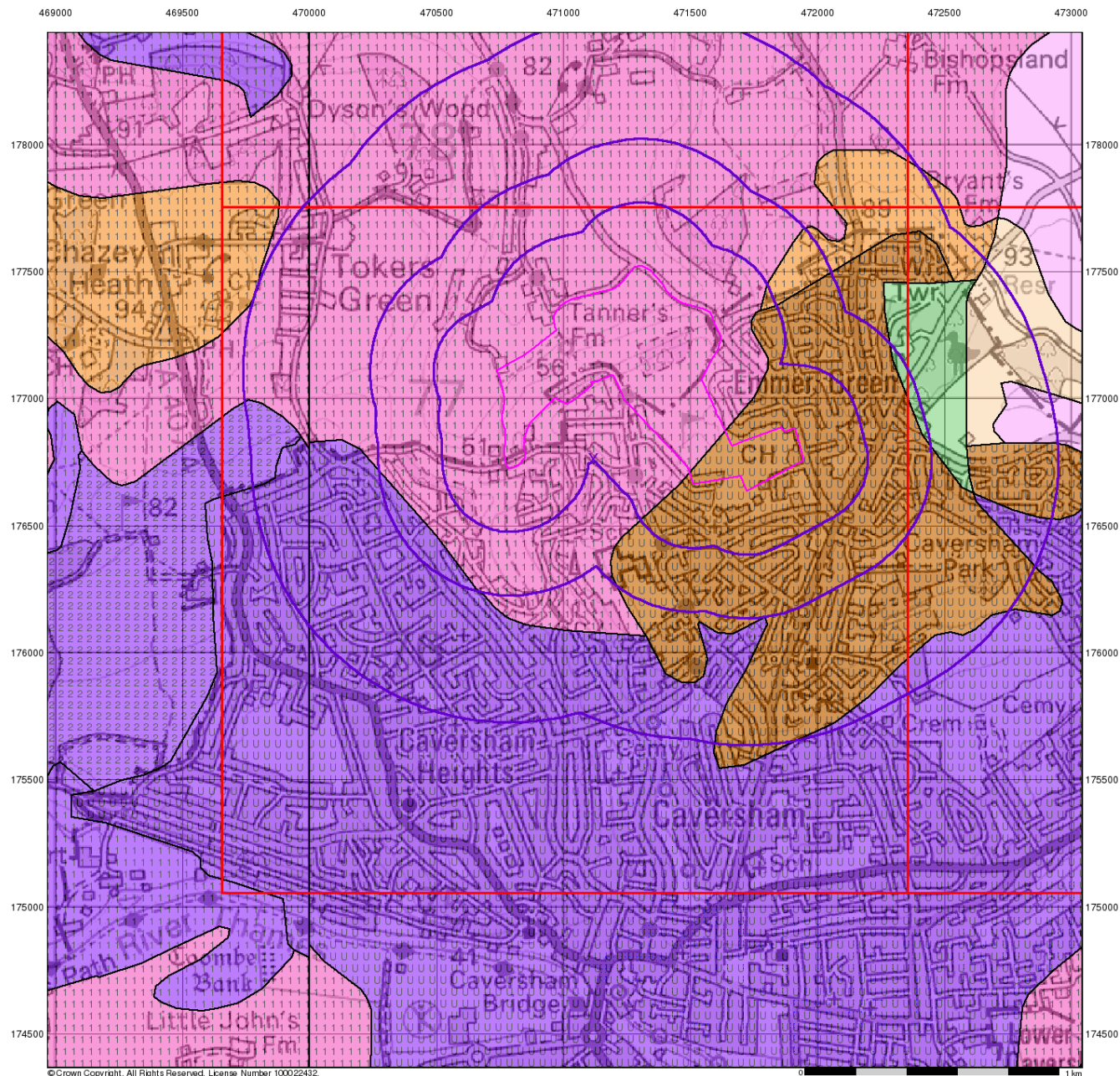
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt South Oxfordshire District Council	August 2018	As notified
Areas of Unadopted Green Belt South Oxfordshire District Council	August 2018	As notified
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	August 2018	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Reading Borough Council - Environmental Health Department Civic Centre, Reading, Hampshire, RG1 7DT	Telephone: 0118 939 9099 Fax: 0118 958 9770 Website: www.reading.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	South Oxfordshire District Council - Environmental Health Department Council Offices, P O Box 92, Crowmarsh, Wallingford, Oxfordshire, OX10 8NY	Telephone: 01491 823000 Fax: 01491 823001 Email: env.health@southoxon.gov.uk Website: www.southoxon.gov.uk
7	Reading Borough Council - Planning Civic Centre, READING, Hampshire, RG1 7TD	Telephone: 0118 939 0900 Fax: 0118 958 9770 Website: www.reading.gov.uk
8	Oxfordshire County Council County Hall, New Road, Oxford, Oxfordshire, OX1 1ND	Telephone: 01865 792422 Fax: 01865 810106 Email: environmental.services@oxfordshire.gov.uk Website: www.oxfordshire.gov.uk
9	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Groundwater Vulnerability

General

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

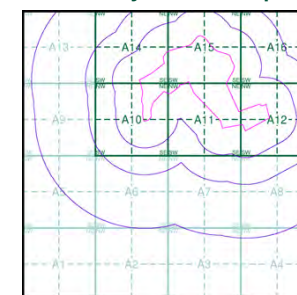
Agency and Hydrological

Geological Classes

- | | |
|---|---|
| Major Aquifer (Highly Permeable) | High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low |
| Minor Aquifer (Variably Permeable) | High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low |
| Non Aquifer (Negligibly Permeable) | |
| Water or Sea | |
| Drift Deposit | |

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

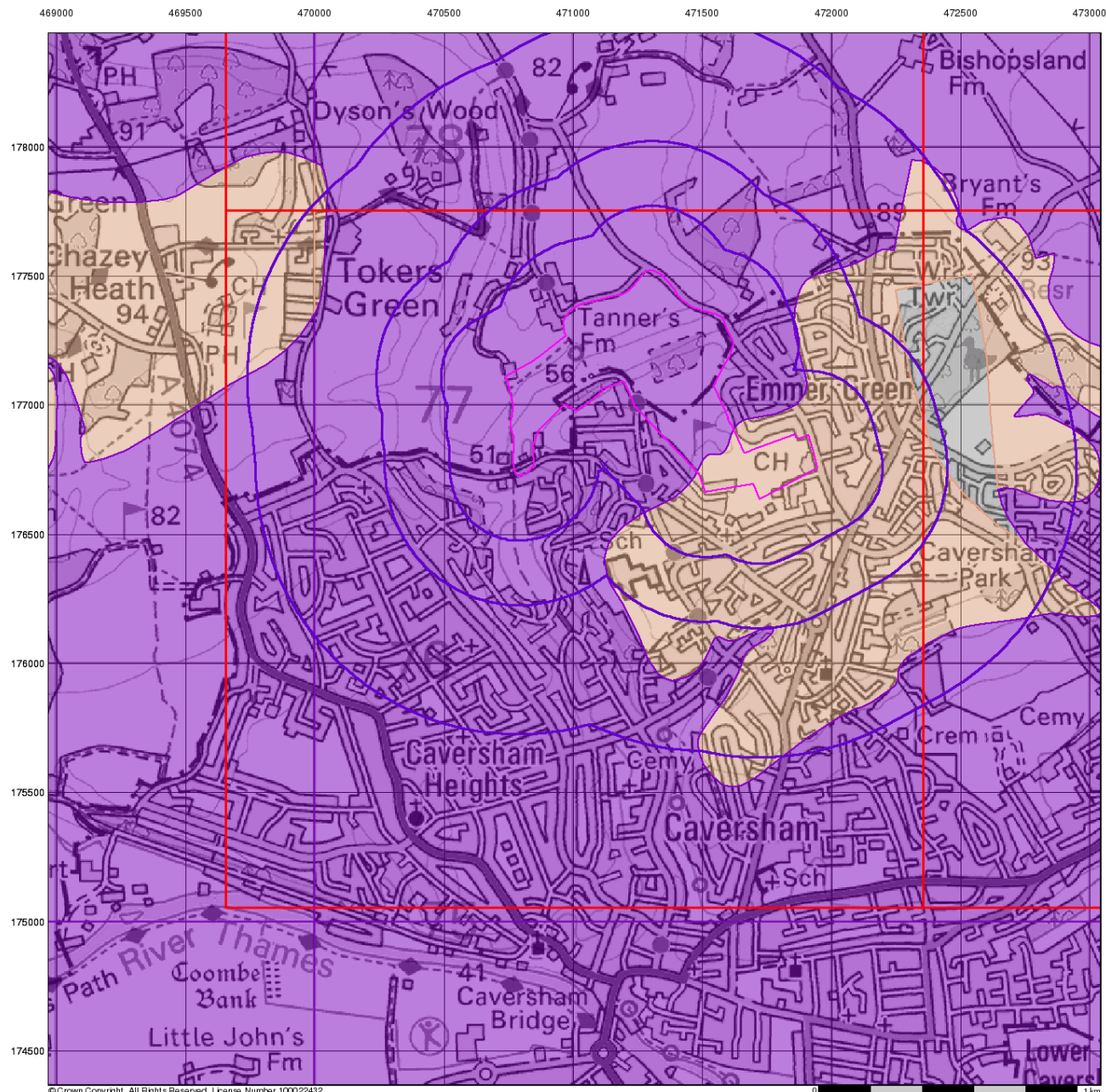
Order Number: 191585181_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



Bedrock Aquifer Designation

General

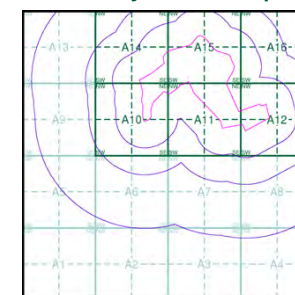
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- 8 Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

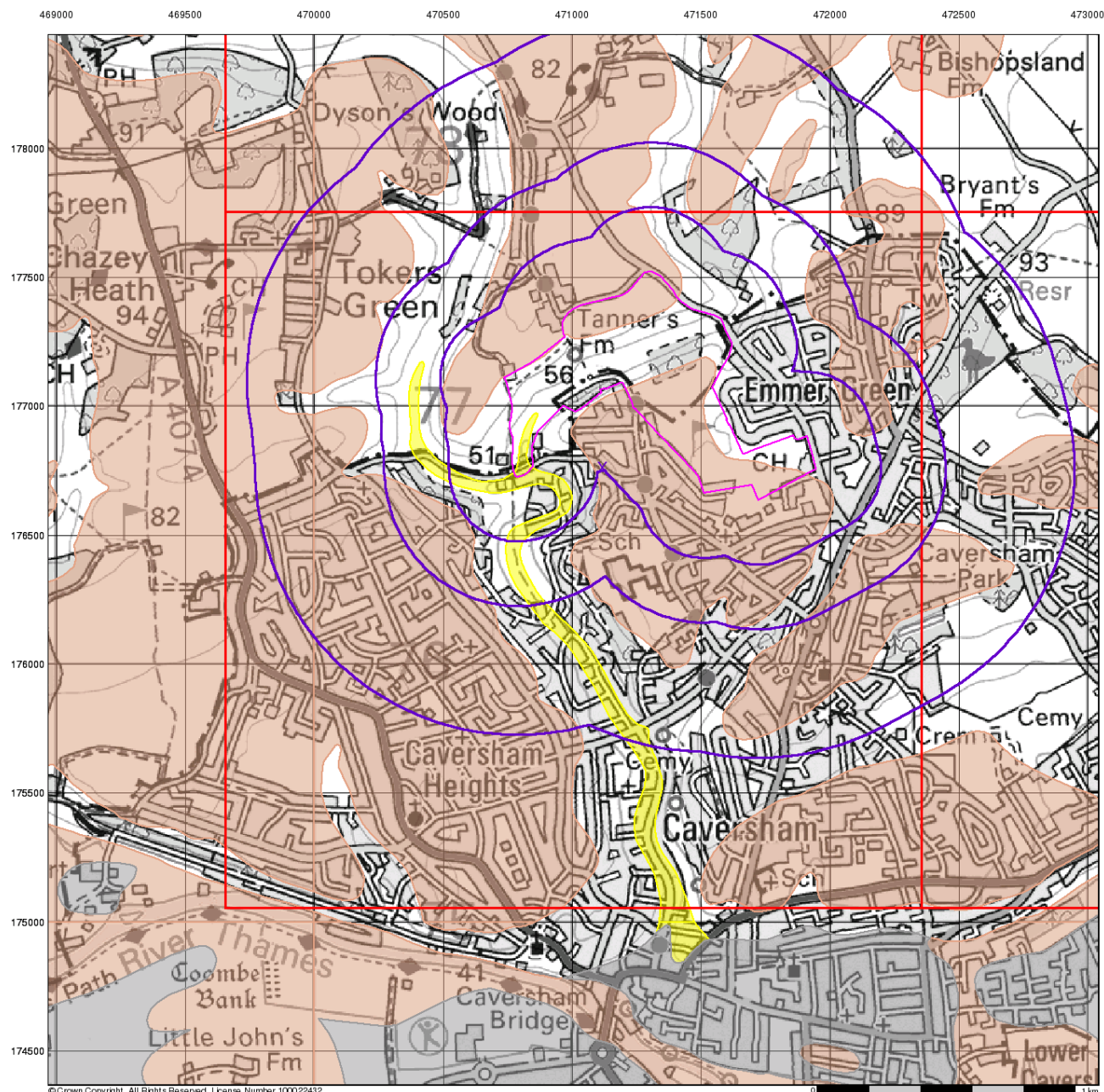
Order Number: 191585181_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Superficial Aquifer Designation

General

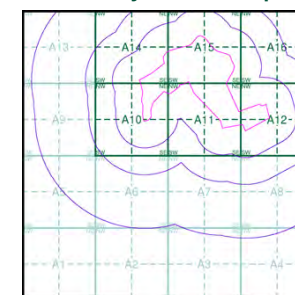
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

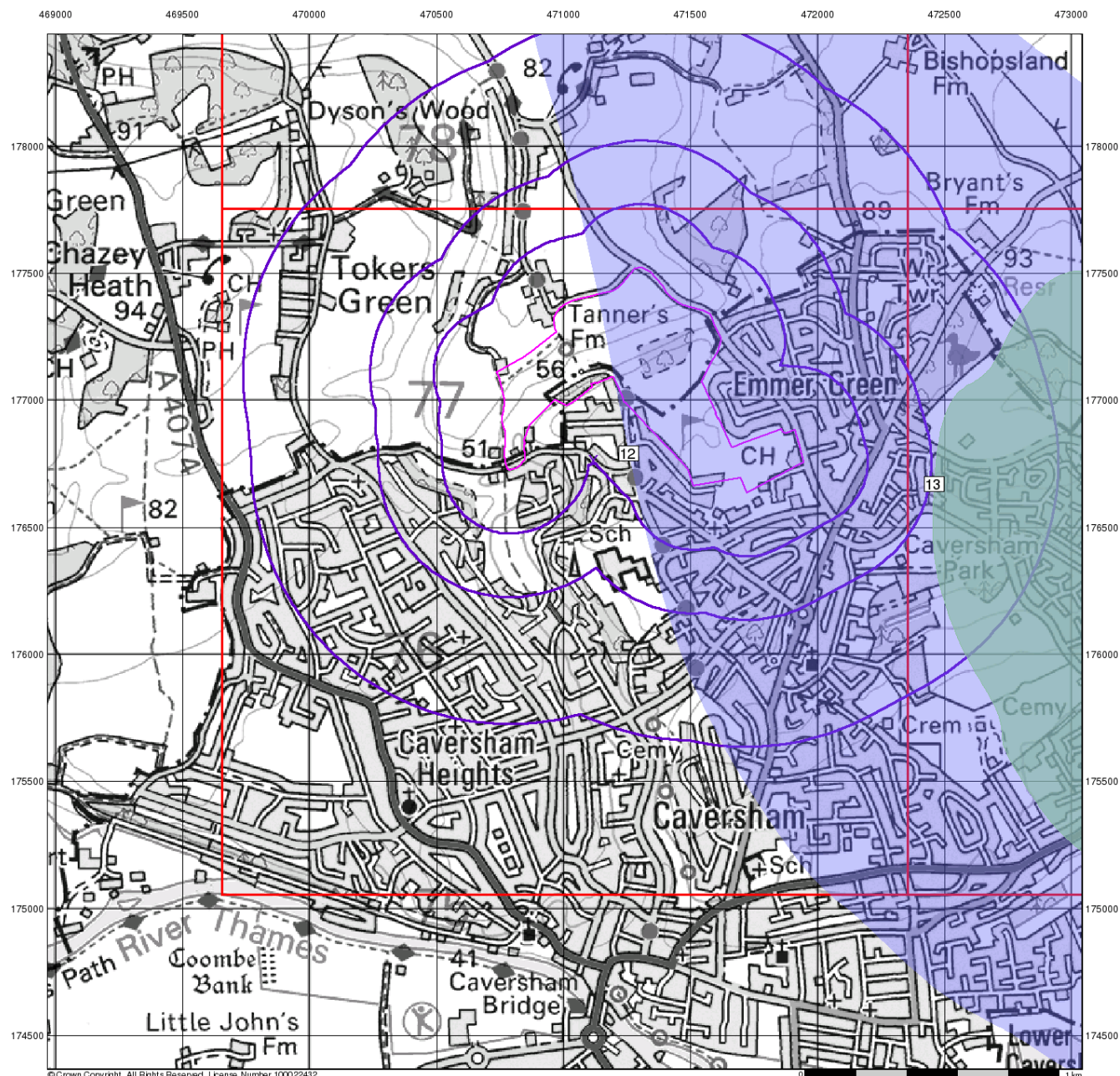
Order Number: 191585181_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Source Protection Zones

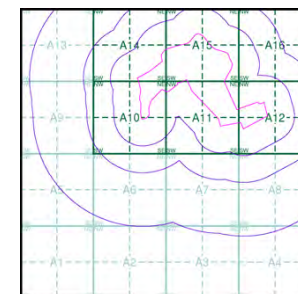
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

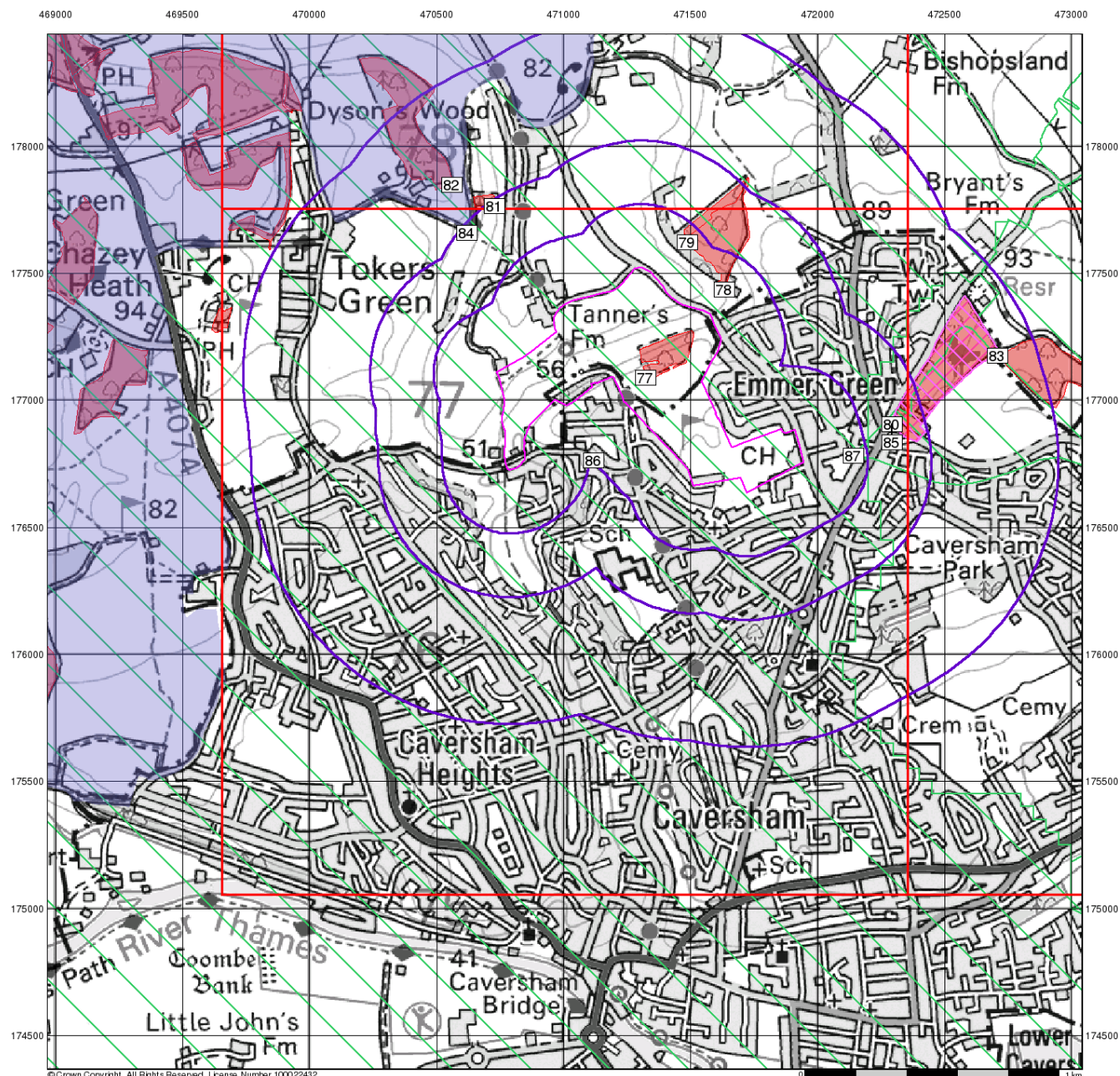
Order Number: 191585181_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Sensitive Land Uses

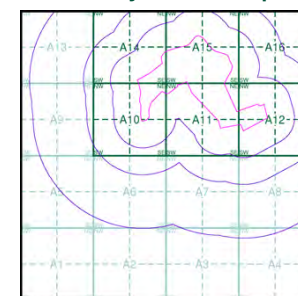
General

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

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

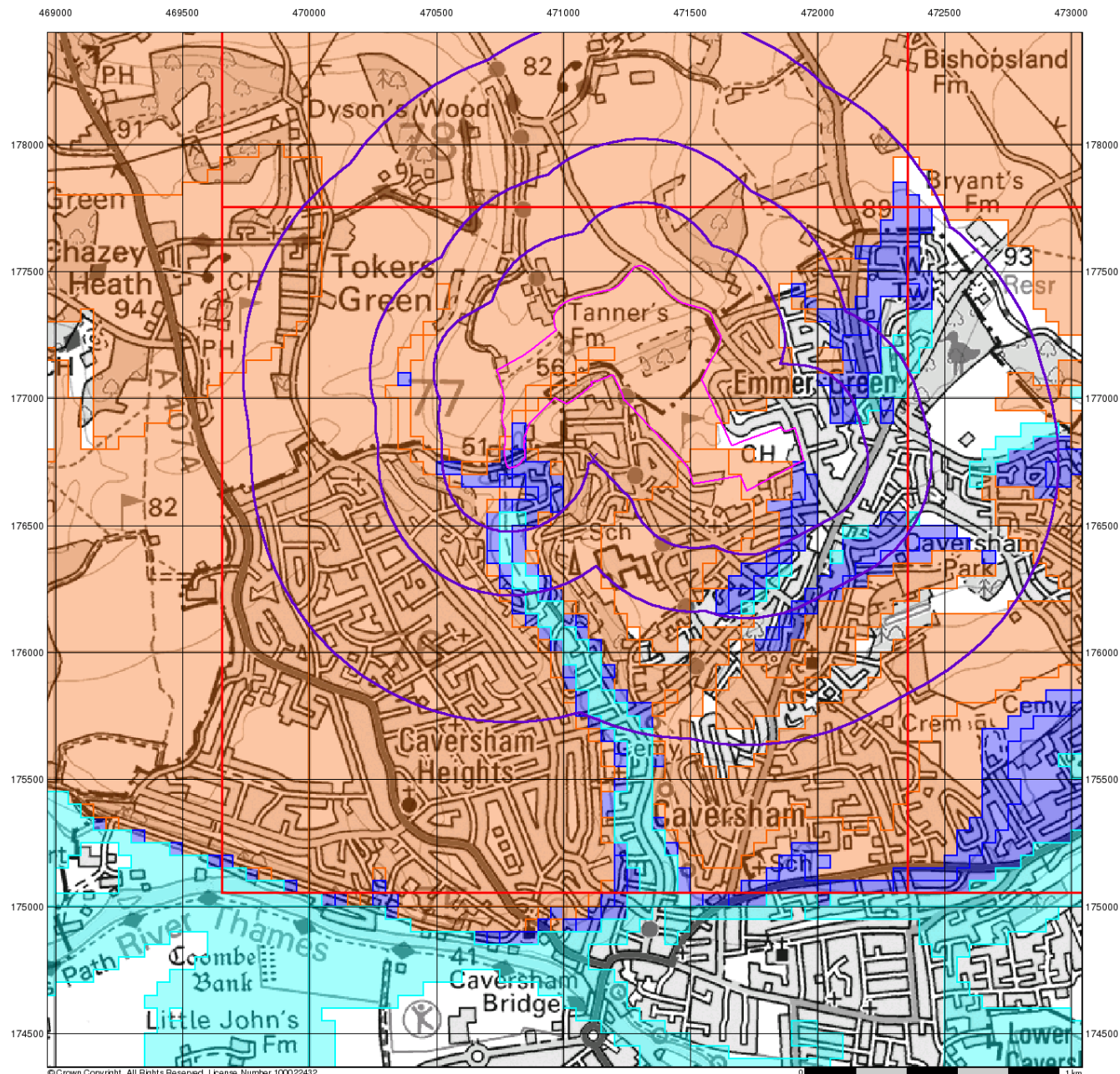
Order Number: 191585181_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.



BGS Flood GFS Data

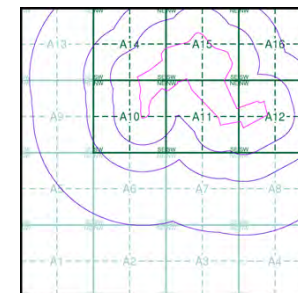
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

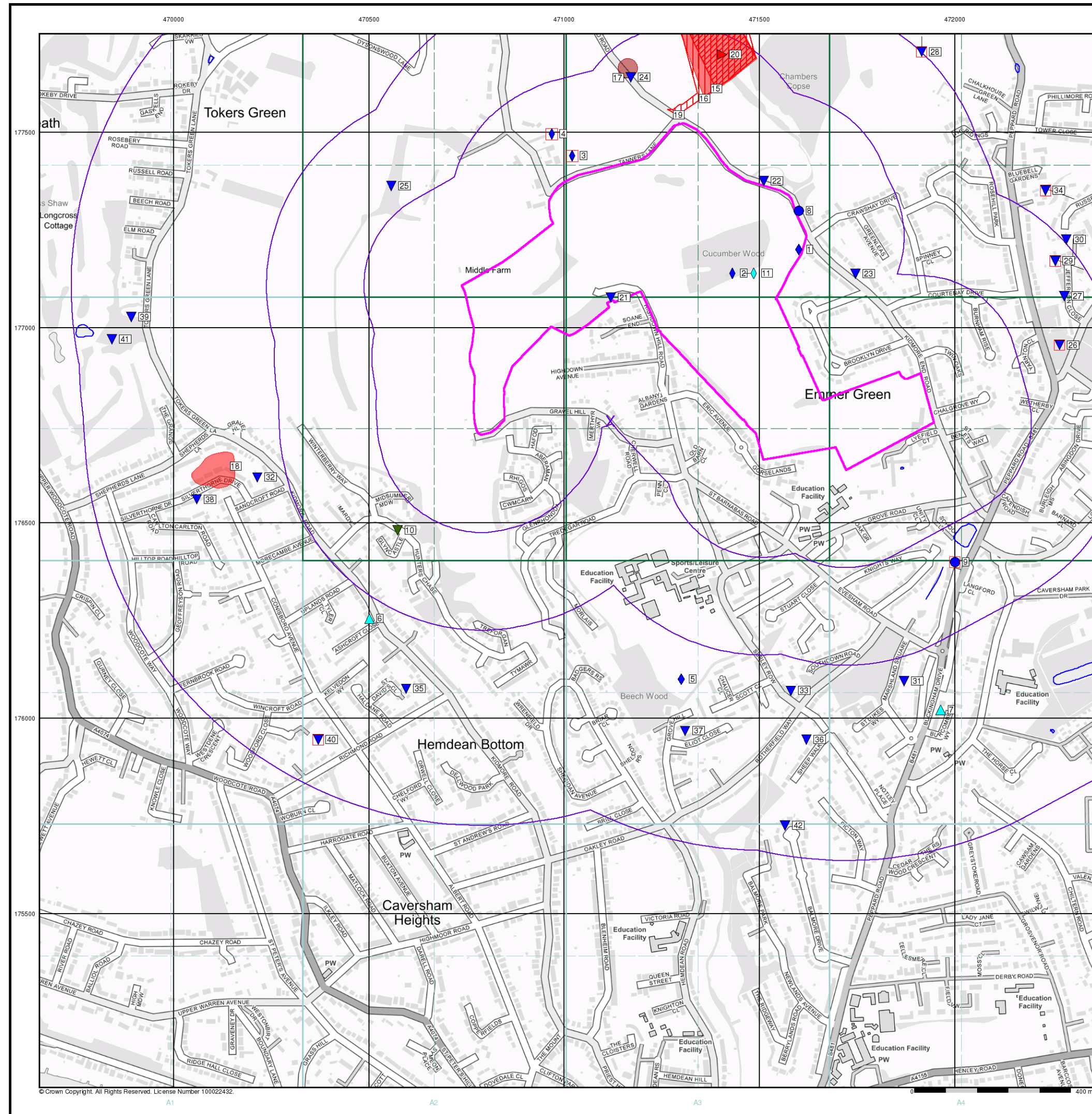
Order Number: 191585181_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

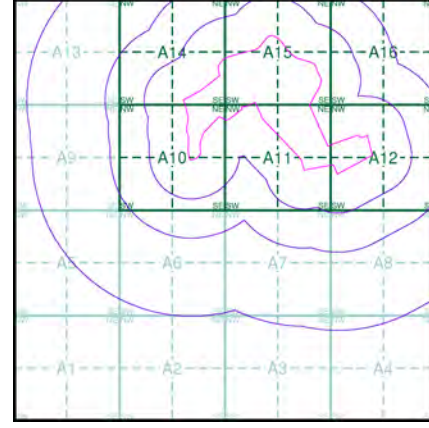
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

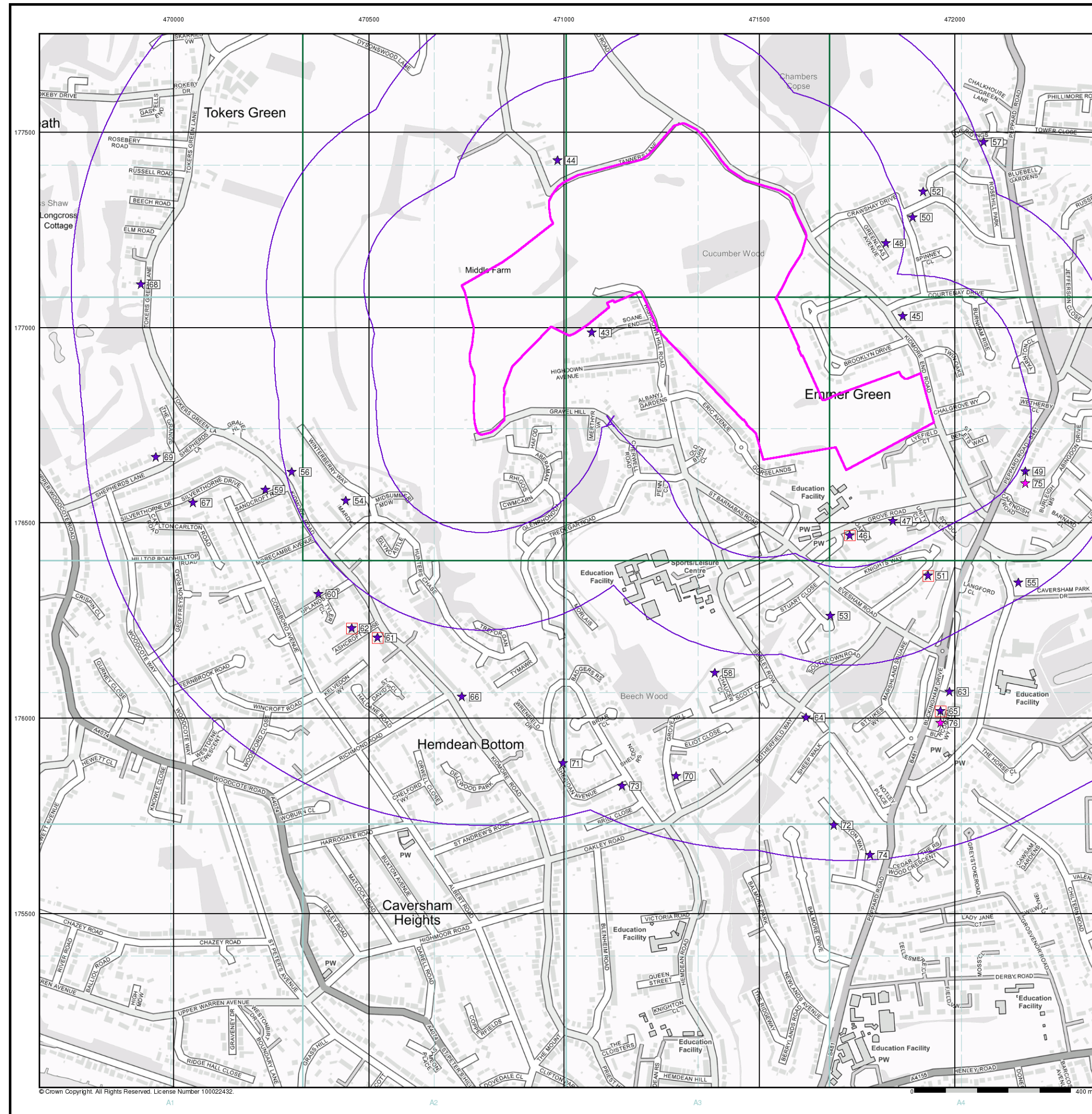
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Industrial Land Use Map

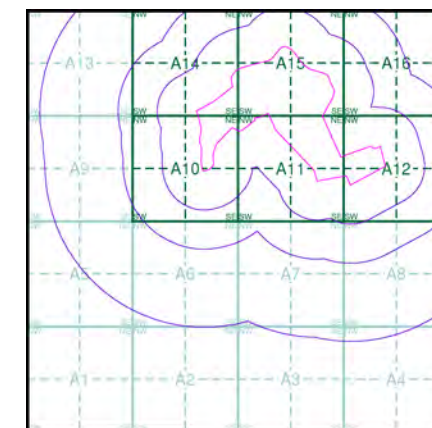
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

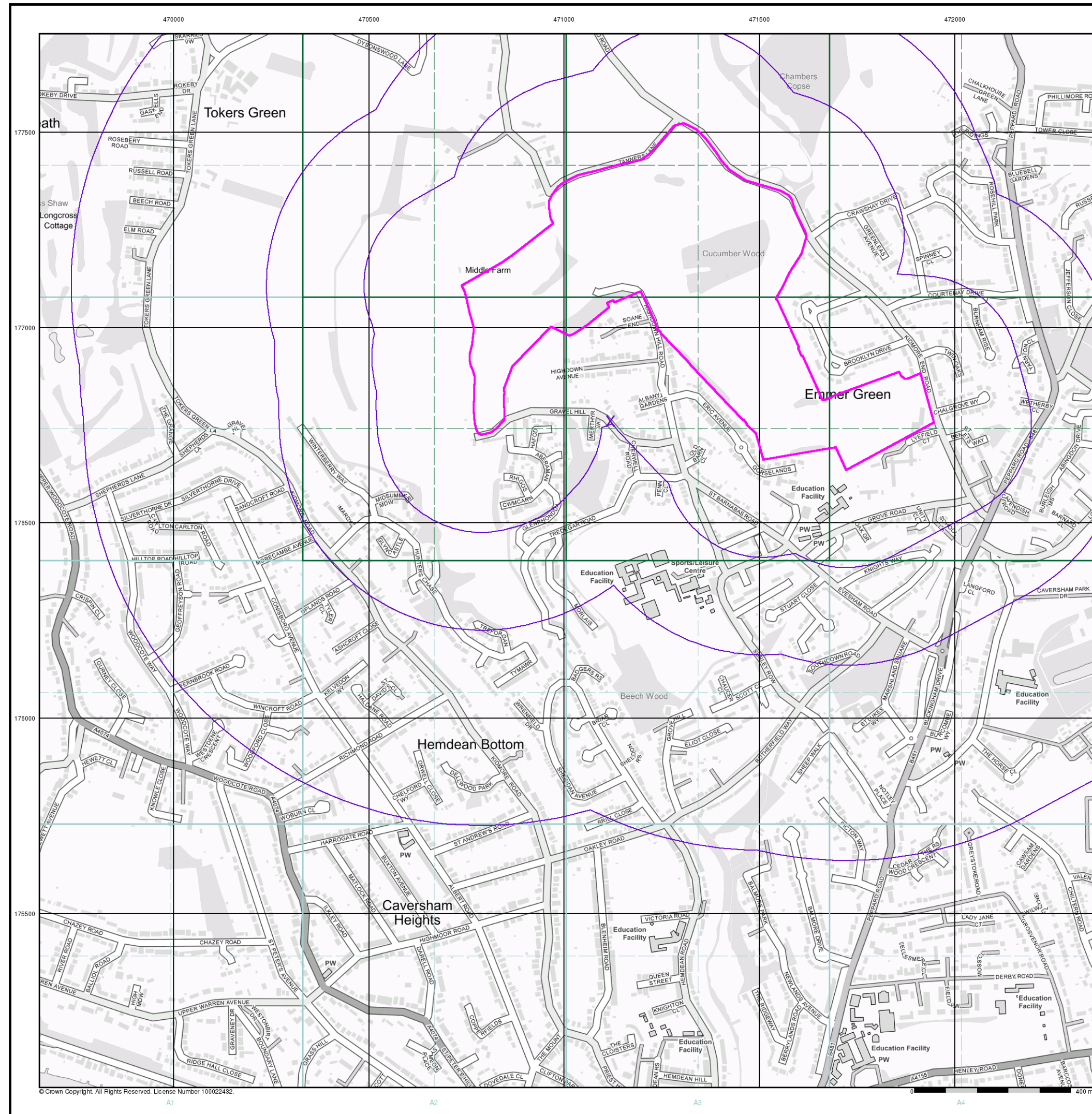
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ



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



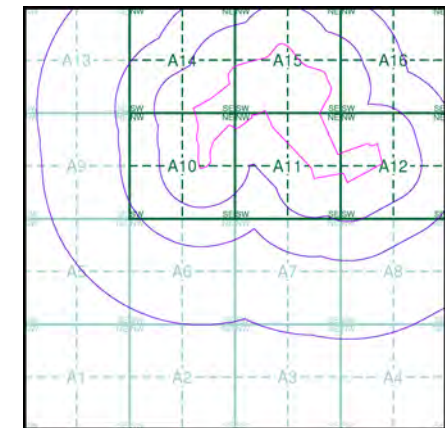
General

- 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: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



General

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

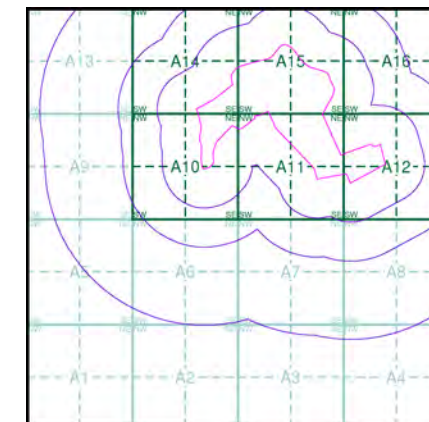
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

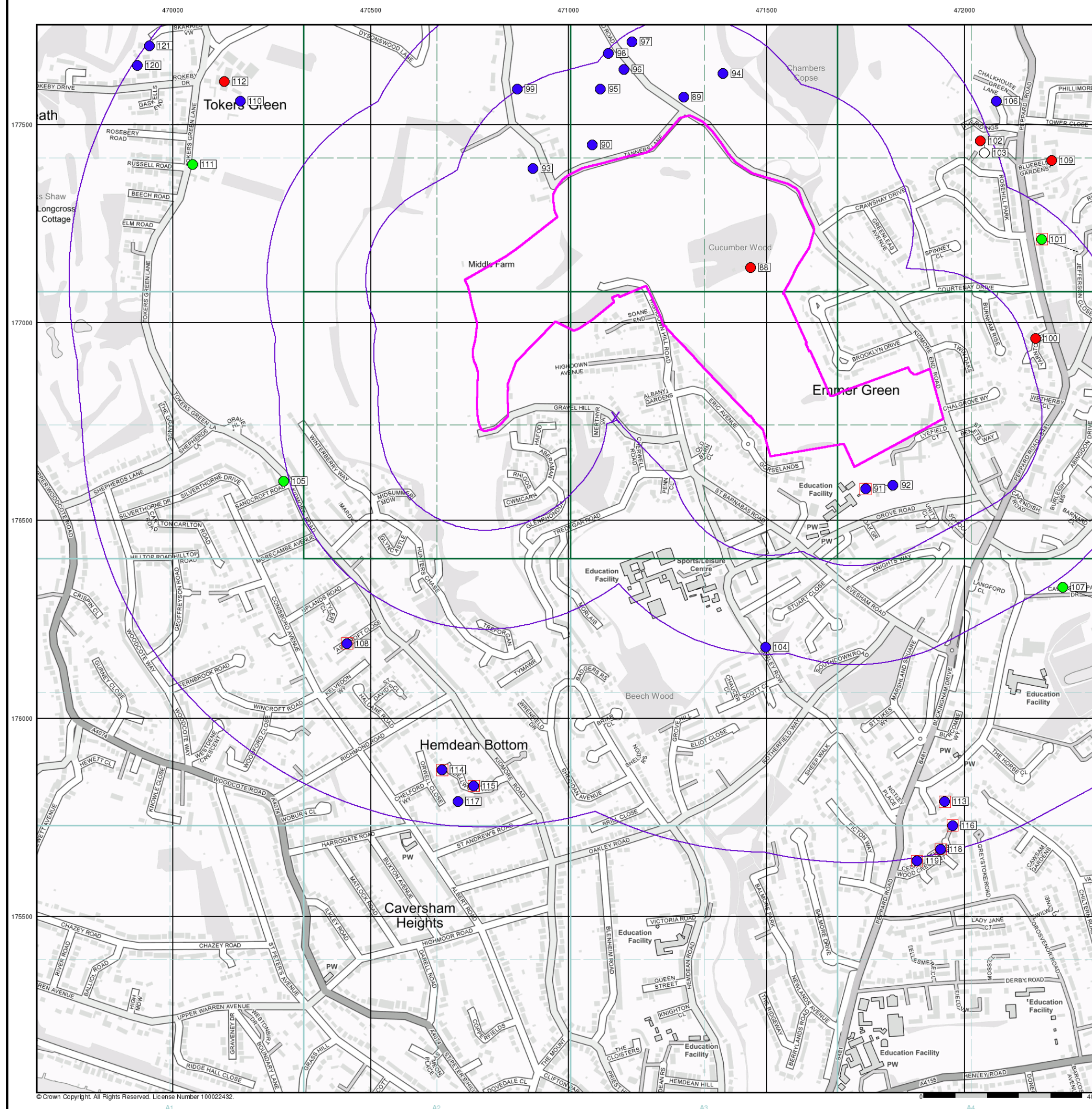
Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

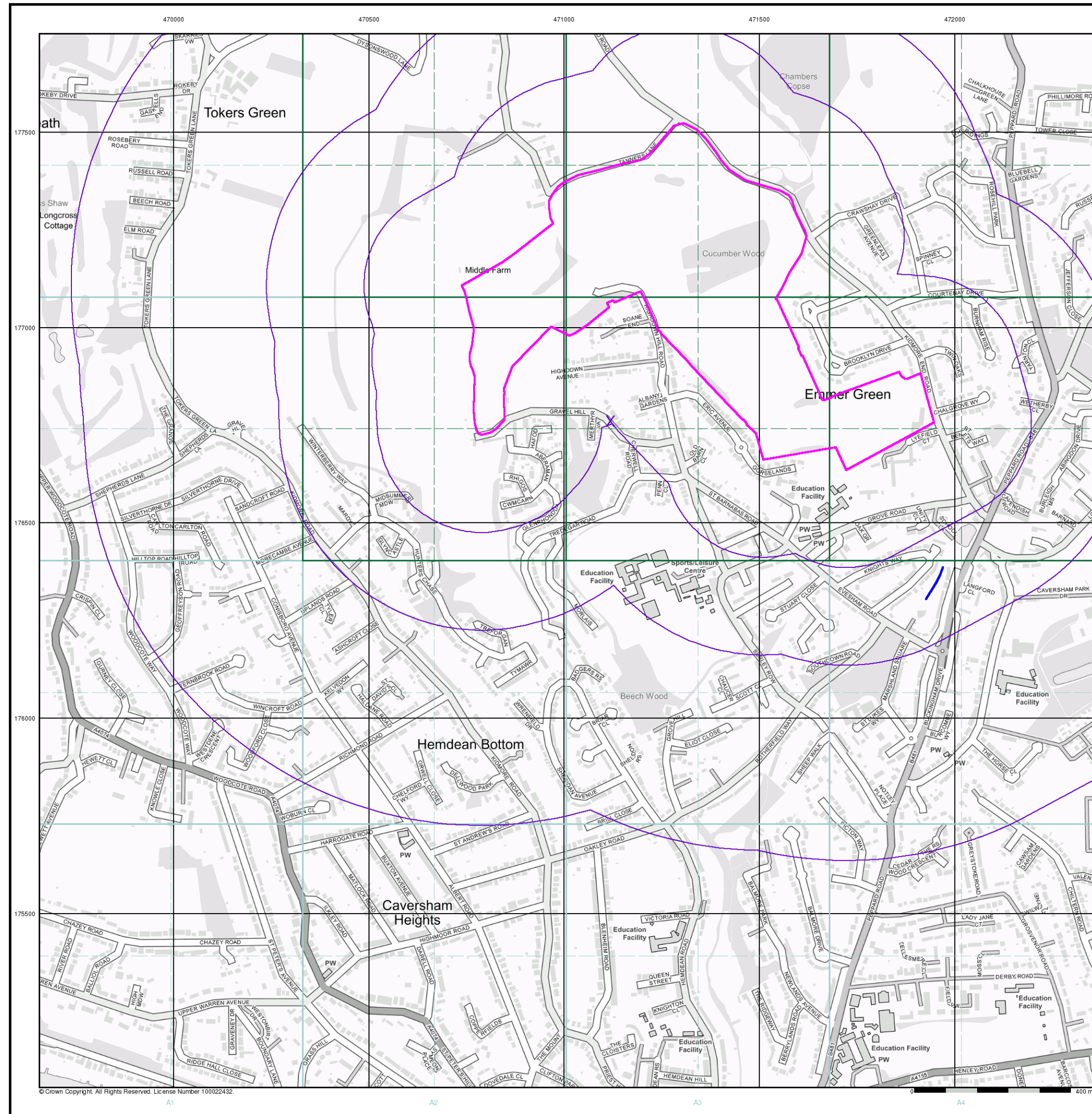
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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





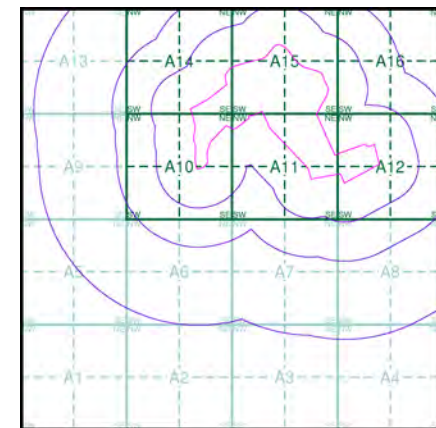
General

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

OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

OS Water Network Map - Slice A



Order Details

Order Number: 191585181_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



APPENDIX 3
MINING AND GROUND STABILITY DATASHEETS



Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

192365557_1_1

Customer Reference:

12112

National Grid Reference:

471120, 176760

Slice:

A

Site Area (Ha):

44.51

Search Buffer (m):

1000

Site Details:

Reading Golf Club, 17

Kidmore End Road

Emmer Green

READING

RG4 8SQ

Client Details:

Mr P Johnson

Ground & Environmental Services Ltd

Unit 2, Montpelier Business Park

Dencora Way

Ashford

Kent

TN23 4FG



Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	10
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	12
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	15
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	18
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	20
Data Suppliers	21
Useful Contacts	22

Copyright Notice

© Landmark Information Group Limited 2019. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Peter Brett Associates LLP & DCLG 2011. All rights reserved.

The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	1	3	7	16
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities	pg 5		1	2	4
Mining Instability	pg 6	Yes	n/a	n/a	n/a
Natural Cavities	pg 6	4	5	1	27
Non Coal Mining Areas of Great Britain	pg 8	Yes	Yes	n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 10	1	2	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 10	2	2	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 10	2	2	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 11		2	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 12	2	4	6	12
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 13	1		5	9
Potentially Infilled Land (Water)	pg 13		3	5	6



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes		n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims	pg 17		2	n/a	n/a
Subsidence Investigations	pg 16		10	n/a	n/a

Report Version v53.0



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Highdown Bottom Chalk Pit Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137505 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SW (N)	0	1	471119 177082
2	BGS Recorded Mineral Sites Site Name: Chambers Copse Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28018 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SE (NE)	16	1	471510 177380
3	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Pit Location: Emmer Green, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36318 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	146	1	471745 177142
4	BGS Recorded Mineral Sites Site Name: Chamber'S Copse Gravel Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28020 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A15NW (N)	170	1	471170 177645
5	BGS Recorded Mineral Sites Site Name: Tanner'S Farm Location: Toker'S Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58221 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	316	1	470557 177367
6	BGS Recorded Mineral Sites Site Name: Hanover Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 187494 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NE (E)	346	1	472254 176944



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137506 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (E)	364	1	472268 176960
7	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10910 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (E)	420	1	472280 177085
8	BGS Recorded Mineral Sites Site Name: Bryant'S Farm Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28019 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	487	1	471895 17705
8	BGS Recorded Mineral Sites Site Name: Chambers Copse Chalk Pit Location: Chalkhouse Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28017 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	530	1	471915 177745
9	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220877 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SE (E)	494	1	472341 177128
9	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220873 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A16SE (E)	496	1	472330 177149



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28021 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (E)	510	1	472285 177230
11	BGS Recorded Mineral Sites Site Name: Springfield Gravel Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28008 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	556	1	471870 176100
12	BGS Recorded Mineral Sites Site Name: Farthingworth Green Gravel Pit Location: Farthingworth Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137483 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SE (W)	574	1	470214 176621
13	BGS Recorded Mineral Sites Site Name: Surley Row Chalk Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28007 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	579	1	471580 176075
14	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 227237 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	596	1	472305 177330
14	BGS Recorded Mineral Sites Site Name: Emmergreen Kiln Location: Emmer Green, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 227237 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	596	1	472305 177330



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	BGS Recorded Mineral Sites Site Name: Ashcroft Gravel Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28005 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A6NW (SW)	674	1	470595 176080
16	BGS Recorded Mineral Sites Site Name: Surley Row Clay Pit Location: Caversham Heights, Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28006 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SE)	694	1	471620 175950
17	BGS Recorded Mineral Sites Site Name: Emmer Green Chalk Mine Location: Emmer Green, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220261 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A7SW (S)	719	1	471309 175972
18	BGS Recorded Mineral Sites Site Name: Farthingworth Green Gravel Pit Location: Farthingworth Green, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137484 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Black Park Gravel Member, Thames Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SE (W)	738	1	470059 176565
19	BGS Recorded Mineral Sites Site Name: Toker'S Green Location: Toker'S Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58202 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9NW (W)	851	1	469891 177032
20	BGS Recorded Mineral Sites Site Name: Ashcroft Gravel Pit Location: Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 28004 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boyn Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	881	1	470370 175950



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	BGS Recorded Mineral Sites Site Name: Ashcroft Chalk Pit Location: Caversham Heights, Caversham, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137507 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	908	1	470365 175923
21	BGS Recorded Mineral Sites Site Name: Toker'S Green Location: Toker'S Green, Henley-On-Thames, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 58197 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9NW (W)	907	1	469841 176975
22	BGS Recorded Mineral Sites Site Name: Balmore Drive Location: Caversham, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10911 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SE)	920	1	471565 175730
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Man Made Mining Cavities Cavity Type: Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A11NW (NW)	199	2	471100 176800
	Man Made Mining Cavities Cavity Type: Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Infilled Ground Detail:	A12NE (E)	360	2	472270 176940
	Man Made Mining Cavities Cavity Type: Shaft Entry Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Infilled Ground Detail:	A12NE (E)	423	2	472300 177050
	Man Made Mining Cavities Cavity Type: 2x Adit Entry Chalk Mines Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: No Details Detail:	A7NE (SE)	514	2	471550 176150
	Man Made Mining Cavities Cavity Type: Possible Crown Hole Collapses Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology: Black Park Gravel Detail:	A7NE (SE)	550	2	471600 176100



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man Made Mining Cavities Cavity Type: Adit and Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Detail: Black Park Gravel	A7SW (S)	743	2	471300 175950
	Man Made Mining Cavities Cavity Type: Chalkwell Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	A16NE (NE)	768	2	472300 177600
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11NW (NW)	0	3	471119 176761
	Natural Cavities Cavity Type: Sinkhole x 3 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A15SW (NE)	0	2	471330 177120
	Natural Cavities Cavity Type: Solution Pipe x 19 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A15NW (N)	0	2	471141 177417
	Natural Cavities Cavity Type: Solution Pipe x 16 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A14SE (NW)	0	2	470900 177080
	Natural Cavities Cavity Type: Solution Pipe x 7 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel, Head	A10SE (SW)	0	2	470989 176685
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A11NW (N)	36	2	471200 177000
	Natural Cavities Cavity Type: Solution Pipe x 10 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NW (E)	61	2	471800 176930
	Natural Cavities Cavity Type: Solution Pipe x 17 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Black Park Gravel, Winter Hill Gravel	A15SE (NE)	75	2	471650 177360
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A11SW (SE)	231	2	471200 176700
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology Detail: Black Park Gravel	A11SW (SE)	231	2	471200 176700
	Natural Cavities Cavity Type: Sinkhole x 6, Solution Pipe x 6 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A16NW (NE)	451	2	471900 177650



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	503	2	470290 176610
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	508	2	470290 176590
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	508	2	470290 176590
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	512	2	470280 176610
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	524	2	470270 176600
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	527	2	470270 176590
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	530	2	470270 176580
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	537	2	470260 176590
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	540	2	470260 176580
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Black Park Gravel, Worked Ground Detail:	A8NW (SE)	542	2	471800 176100
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	571	2	470230 176570
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	571	2	470230 176570
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	581	2	470220 176570
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A7NE (SE)	589	2	471560 176070



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Winter Hill Gravel Detail:	A16SE (NE)	592	2	472200 177400
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A6NE (SW)	596	2	470770 176130
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Winter Hill Gravel Detail:	A16SE (NE)	618	2	472250 177400
	Natural Cavities Cavity Type: Solution Pipe x 4 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	623	2	470200 176500
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SE (W)	634	2	470170 176550
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A6SE (SW)	731	2	470700 176000
	Natural Cavities Cavity Type: Solution Pipe x 10 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9NE (W)	768	2	470000 176800
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A7SE (S)	820	2	471400 175850
	Natural Cavities Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A5NW (W)	885	2	469980 176350
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A5NW (W)	892	2	469950 176400
	Natural Cavities Cavity Type: Sinkhole x 3, Solution Pipe x 6 Solid Geology Detail: Chalk Group Superficial Geology: Boyne Hill Gravel Detail:	A5SE (SW)	959	2	470300 175900
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SW (W)	984	2	469800 176600
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Black Park Gravel Detail:	A9SW (W)	984	2	469800 176600
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569



Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	246	1	472153 176934



Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Extractive Industries or Potential Excavations from 1855-1909 Use: Old Chalk Pit First Map Published 1878 Date: Last Map Published Not Applicable Date:	A11NW (N)	0	-	471103 177066
24	Extractive Industries or Potential Excavations from 1855-1909 Use: Chalk Pit First Map Published 1879 Date: Last Map Published Not Applicable Date:	A15SE (NE)	9	-	471483 177380
25	Extractive Industries or Potential Excavations from 1855-1909 Use: W First Map Published 1878 Date: Last Map Published Not Applicable Date:	A10SE (W)	32	-	470755 176710
26	Extractive Industries or Potential Excavations from 1893-1915 Use: Old Chalk Pit First Map Published 1898 Date: Last Map Published Not Applicable Date:	A11NW (N)	0	-	471107 177063
27	Extractive Industries or Potential Excavations from 1893-1915 Use: Chalk Pit First Map Published 1898 Date: Last Map Published Not Applicable Date:	A15SW (N)	0	-	471173 177091
28	Extractive Industries or Potential Excavations from 1893-1915 Use: Chalk Pit First Map Published 1898 Date: Last Map Published Not Applicable Date:	A15SE (NE)	7	-	471484 177378
29	Extractive Industries or Potential Excavations from 1893-1915 Use: W First Map Published 1898 Date: Last Map Published Not Applicable Date:	A10SE (W)	34	-	470754 176708
30	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Chalk Pits First Map Published 1913 Date: Last Map Published Not Applicable Date:	A15SW (N)	0	-	471173 177087
31	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Chalk Pits First Map Published 1913 Date: Last Map Published Not Applicable Date:	A11NW (N)	0	-	471107 177064
32	Extractive Industries or Potential Excavations from 1906-1937 Use: Old Chalk Pit First Map Published 1913 Date: Last Map Published Not Applicable Date:	A15SE (NE)	7	-	471485 177379
33	Extractive Industries or Potential Excavations from 1906-1937 Use: W First Map Published 1913 Date: Last Map Published Not Applicable Date:	A10SE (W)	32	-	470756 176709



Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Pit First Map Published 1956 Date: Last Map Published 1956 Date:	A15SE (NE)	7	-	471563 177354
35	Extractive Industries or Potential Excavations from 1950-1980 Use: Old Chalk Pit First Map Published 1956 Date: Last Map Published 1956 Date:	A15SE (NE)	8	-	471497 177376



Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A14SE (NW)	0	-	470937 177083
37	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A11NW (N)	0	-	471124 177076
38	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1882 - 1900	A15SE (NE)	26	-	471524 177386
39	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1882 - 1900	A15NW (N)	155	-	471175 177629
40	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1882	A16NW (NE)	212	-	471769 177427
41	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1991	A14NE (NW)	224	-	470777 177459
42	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1915	A14SW (NW)	310	-	470554 177357
43	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1961	A8NW (SE)	410	-	471713 176137
44	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1961	A8NW (SE)	414	-	471869 176249
45	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1991	A8NW (SE)	472	-	471830 176176
46	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900 - 1961	A16SE (NE)	484	-	472224 177253
47	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900 - 1932	A8NW (SE)	487	-	471764 176107
48	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900 - 1932	A9SE (W)	509	-	470287 176596
49	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1882	A16NW (NE)	537	-	471919 177750
50	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A9SE (W)	562	-	470225 176626
51	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1914	A7NE (SE)	582	-	471587 176070
52	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900 - 1914	A6NW (SW)	587	-	470593 176172
53	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A7SE (SE)	700	-	471624 175943
54	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1960	A9SE (W)	758	-	470049 176522
55	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1882 - 1984	A9NW (W)	810	-	469930 177023
56	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900 - 1932	A6SW (SW)	820	-	470388 176010



Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1932	A6SW (SW)	825	-	470562 175933
58	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1932	A7SE (SE)	849	-	471574 175797
59	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A9NW (W)	892	-	469855 176987
60	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A11NW (N)	0	-	471124 177076
61	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12NE (E)	328	-	472207 177028
62	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A8NW (SE)	410	-	471713 176137
63	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A8NW (SE)	414	-	471869 176249
64	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A16SE (NE)	484	-	472224 177253
65	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A8NW (SE)	487	-	471764 176107
66	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9SE (W)	509	-	470287 176596
67	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A16NW (NE)	537	-	471919 177750
68	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A7NE (SE)	582	-	471587 176070
69	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A6NW (SW)	587	-	470593 176172
70	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A7SE (SE)	700	-	471624 175943
71	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9SE (W)	758	-	470053 176513
72	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A6SW (SW)	820	-	470388 176010
73	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A7SE (SE)	849	-	471574 175797
74	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9NW (W)	892	-	469855 176987
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A11SE (SE)	147	-	471369 176621
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A11SW (SE)	191	-	471316 176636
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12SW (E)	198	-	471958 176539



Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A7NW (SE)	288	-	471314 176387
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12SE (E)	295	-	472124 176522
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A16SW (NE)	351	-	471988 177225
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12SE (E)	382	-	472251 176527
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A7NE (SE)	395	-	471591 176264
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A16NE (NE)	549	-	472112 177482
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A16NE (NE)	579	-	472087 177612
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A16NE (NE)	657	-	472256 177442
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A7SE (S)	722	-	471367 175955
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A6SW (SW)	790	-	470464 176005
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A6SE (S)	813	-	470797 175913



Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
89	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
90	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
91	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
92	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	1	470966 176702
93	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569
94	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	470842 176912
95	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470818 177248
96	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471189 176636
97	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	471521 176920
98	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751
99	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	1	1	471158 176809
100	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NW (NW)	195	1	470560 177000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	1	471527 176435
101	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
102	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	1	470966 176702
103	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
104	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	470842 176912
105	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	1	470826 176828



Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	64	1	470987 176684
107	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	203	1	470942 176562
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751
108	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	1	470871 177183
109	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	470987 176684
110	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	471091 176751
111	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	1	470987 176684
112	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	471250 176569
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	471119 176761
	Subsidence Investigations Site Investigation 28th November 2003 Date: Root Survey: No CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 27th October 2008 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 6th October 2003 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 31st January 2014 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	



Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Subsidence Investigations Site Investigation 4th October 2008 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 16th August 2001 Date: Root Survey: Yes CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 2nd December 2014 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation 0.1 Footings: Soil Classification: Clay of Very High Plasticity			-	
	Subsidence Investigations Site Investigation 26th September 2003 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 6th December 2010 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 16th February 2004 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	
	Subsidence Insurance Claims Case Date: 13th November 2007 Movement Trend Not Supplied Indication: Damage Not Supplied Classification:			-	
	Subsidence Insurance Claims Case Date: 11th March 2013 Movement Trend Not Supplied Indication: Damage Not Supplied Classification:			-	



Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Oxfordshire	056_11	1878
Oxfordshire	056_11	1878
Oxfordshire	056_11	1878
Oxfordshire	056_11	1878
Oxfordshire	056_11	1878
Oxfordshire	056_11	1878
Oxfordshire	056_07	1879
Oxfordshire	056_07	1879
Oxfordshire	056_07	1879
Oxfordshire	056_07	1898
Oxfordshire	056_07	1898
Oxfordshire	056_07	1898
Oxfordshire	056_11	1898
Oxfordshire	056_11	1898
Oxfordshire	056_11	1898
Oxfordshire	056_11	1898
Oxfordshire	056_11	1898
Berkshire	029_07	1913
Berkshire	029_07	1913
Berkshire	029_07	1913
Berkshire	029_11	1913
Berkshire	029_11	1913
Berkshire	029_11	1913
Berkshire	029_11	1913
Berkshire	029_11	1913
Berkshire	029_11	1913
Berkshire	029_11	1936
Berkshire	029_11	1936
Berkshire	029_11	1936
Berkshire	029_11	1936
Berkshire	029_11	1936
Berkshire	029_11	1936
Ordnance Survey Plan	SU7177	1956
Ordnance Survey Plan	SU7177	1956
Ordnance Survey Plan	SU7177	1956
Ordnance Survey Plan	SU7177	1956
Ordnance Survey Plan	SU7177	1956



Historical Map List

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SU7177	1956
Ordnance Survey Plan	SU7276	1956
Ordnance Survey Plan	SU7277	1956
Ordnance Survey Plan	SU7277	1956
Ordnance Survey Plan	SU7077	1964
Ordnance Survey Plan	SU7077	1964

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Oxfordshire	056_00	1882
Berkshire	029_NW	1900
Berkshire	029_SE	1900
Berkshire	029_SW	1900
Oxfordshire	056_NE	1900
Oxfordshire	056_NW	1900
Oxfordshire	056_SE	1900
Oxfordshire	056_SW	1900
Berkshire	029_NW	1914
Berkshire	029_SE	1914
Berkshire	029_SW	1914
Oxfordshire	056_NW	1914
Oxfordshire	056_SE	1914
Oxfordshire	056_SW	1914
Berkshire	029_NE	1915
Oxfordshire	056_NE	1915
Berkshire	029_SE	1932
Berkshire	029_SW	1938
Oxfordshire	056_SW	1938
Ordnance Survey Plan	SU67NE	1960
Ordnance Survey Plan	SU77NW	1961
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SU67NE	1984
Ordnance Survey Plan	SU77NW	1991



Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Peter Brett Associates	October 2018	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	October 2018	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	August 2018	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Subsidence Insurance Claims SP Property Services	October 2018	Quarterly
Subsidence Investigations CET Structures Ltd	July 2018	Quarterly
Brine Subsidence Solution Area Johnson Poole & Bloomer	January 2015	Annual Rolling Update

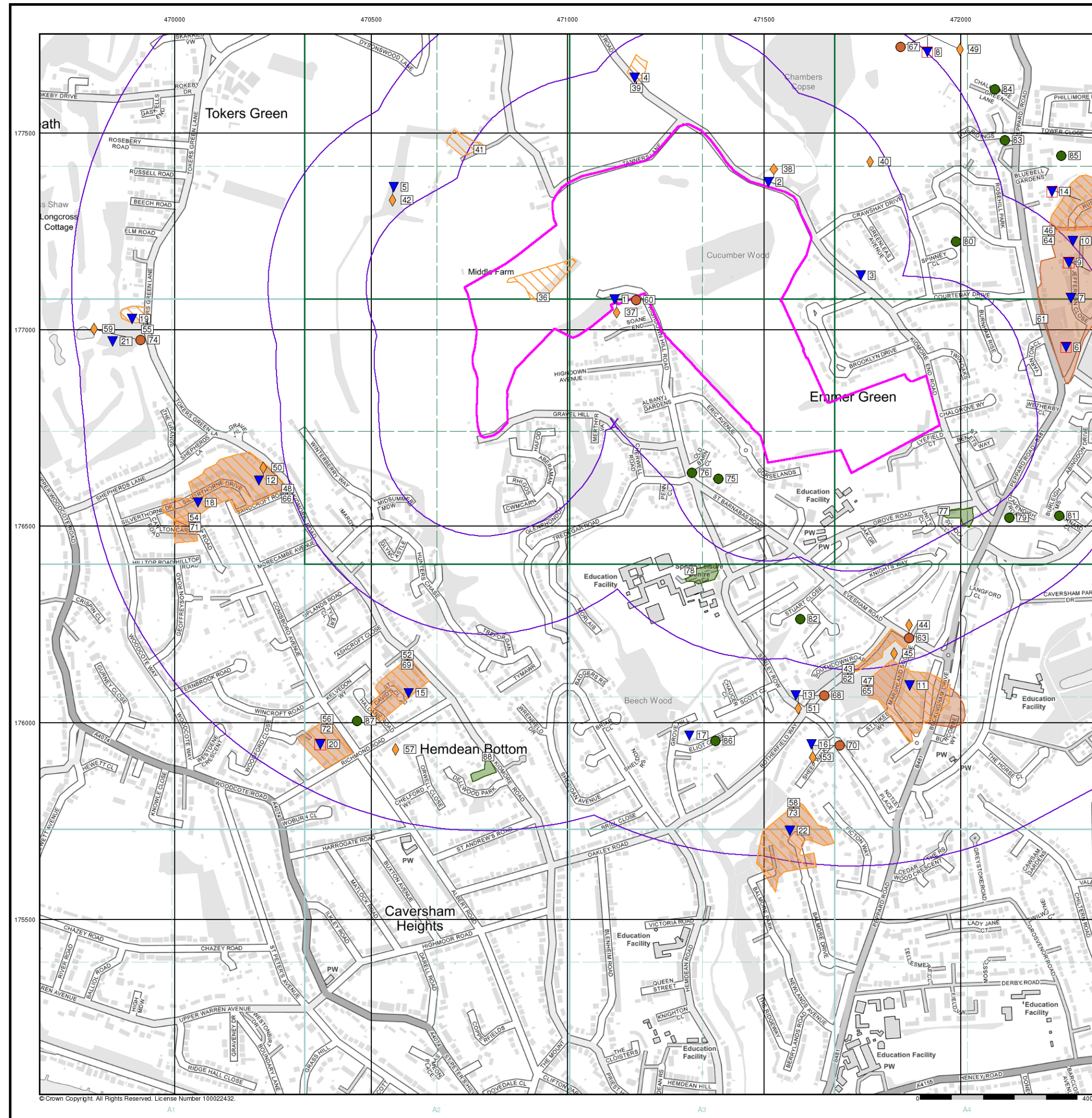
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	



Useful Contacts

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
-	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



Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

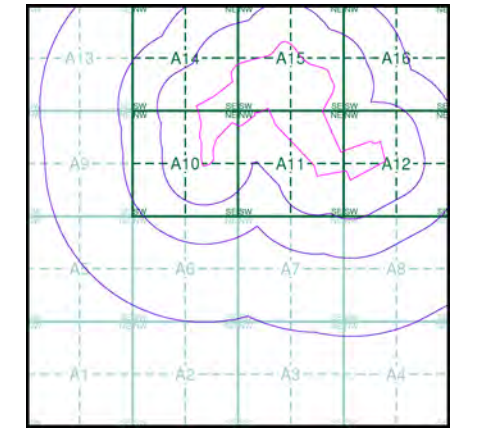
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

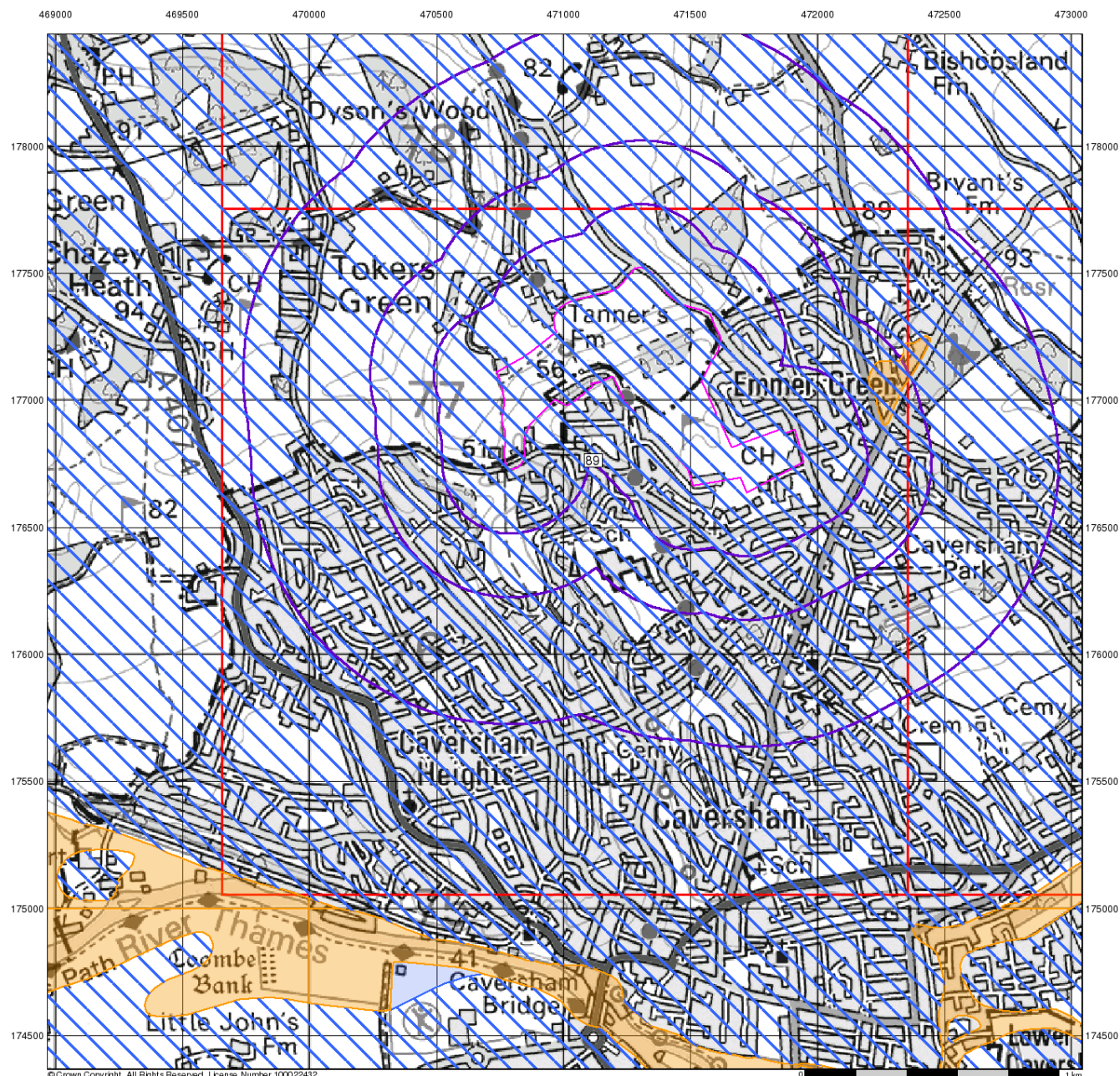
Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

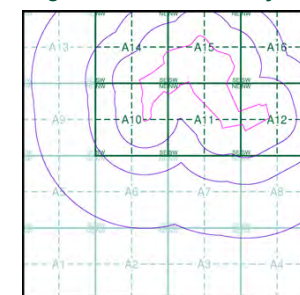
Potential for Collapsible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Brine Pumping and Salt Mining

- | | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | | |
| Salt Mining Related Feature | | |

Mining and Ground Stability - Slice A



Order Details

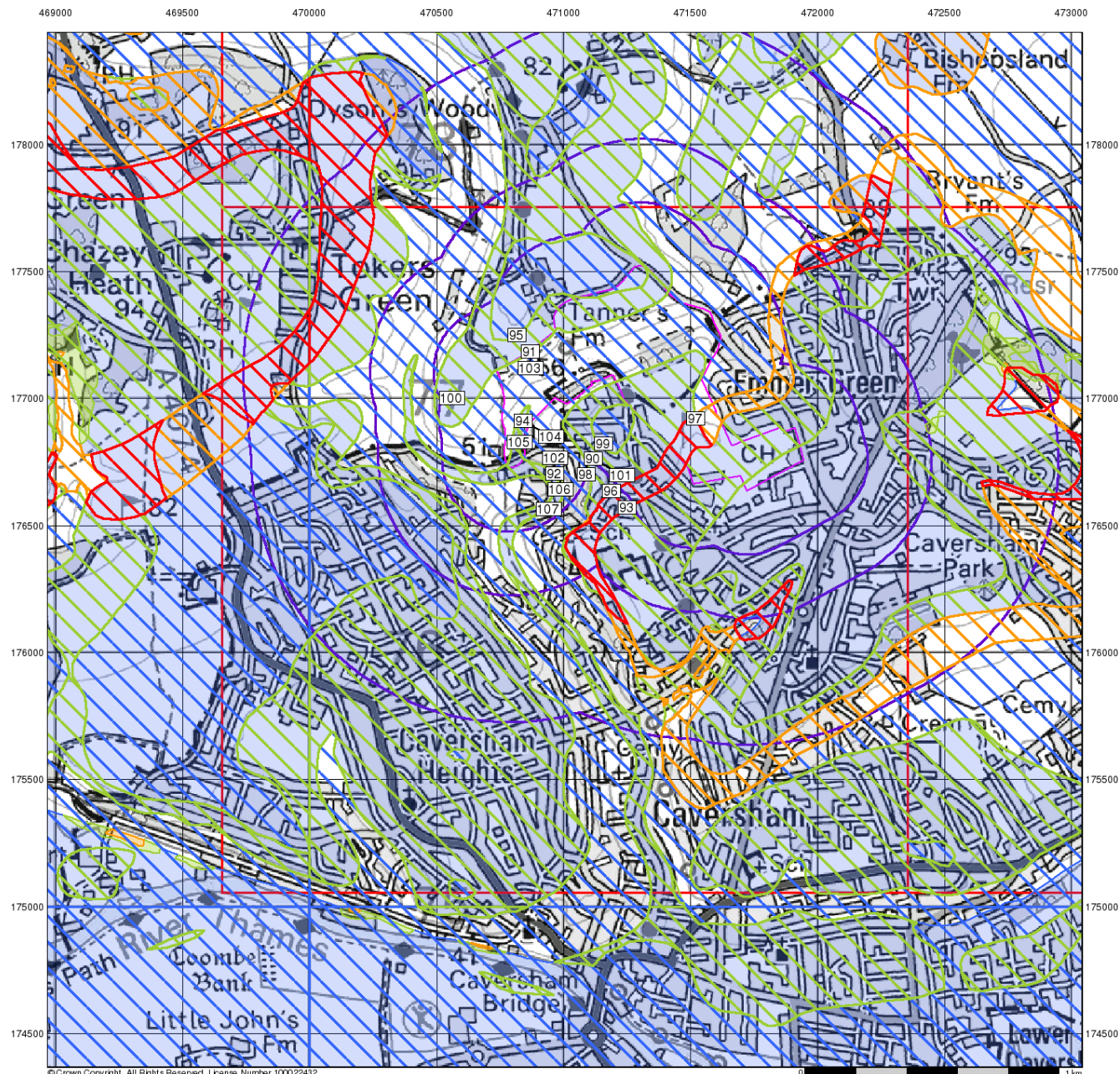
Order Number: 192365557_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



Ground Stability Data (1:50,000)

General

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

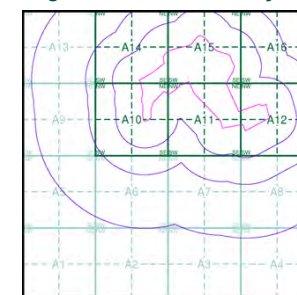
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- ▨ High
- ▨ Moderate
- ▨ Low
- ▨ Very Low

Mining and Ground Stability - Slice A



Order Details

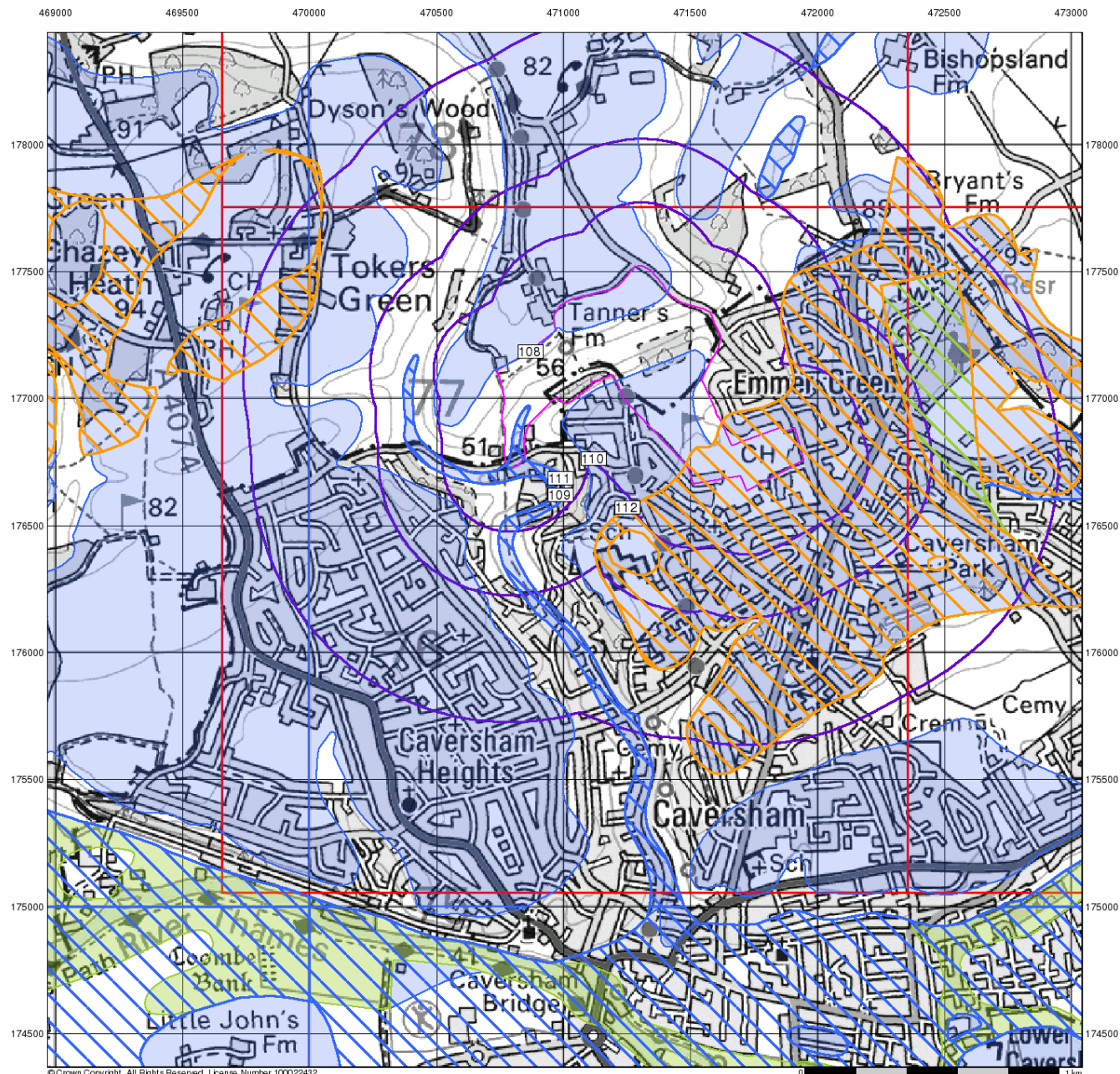
Order Number: 192365557_1_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.



Ground Stability Data (1:50,000)

General

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

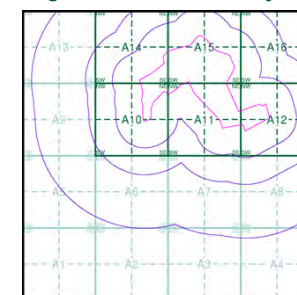
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

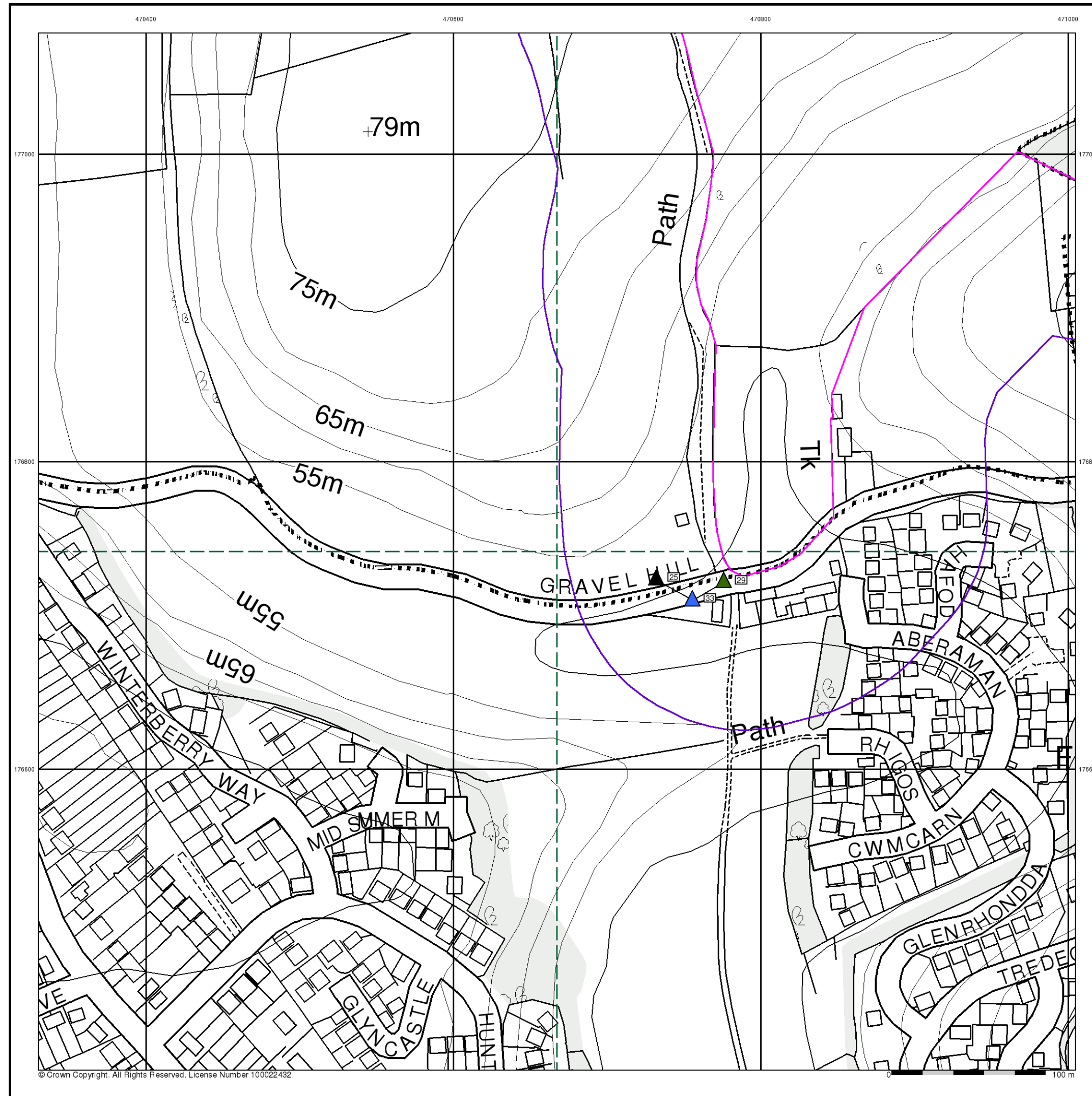
Order Number: 192365557_1
 Customer Ref: 12112
 National Grid Reference: 471120, 176760
 Slice: A
 Site Area (Ha): 44.51
 Search Buffer (m): 1000

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ

Landmark
 INFORMATION GROUP

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



Historical Land Use Information (1:2,500)

General

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

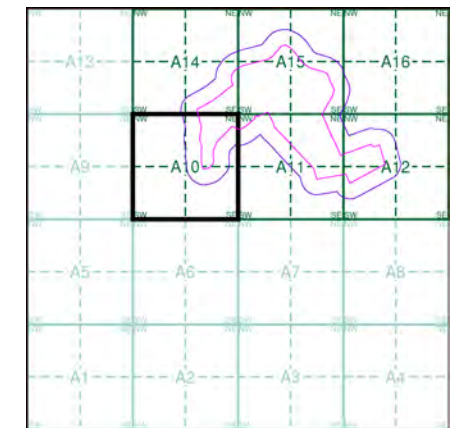
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

Mining and Ground Stability - Segment A10



Order Details

Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Plot Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Historical Land Use Information (1:2,500)

General

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

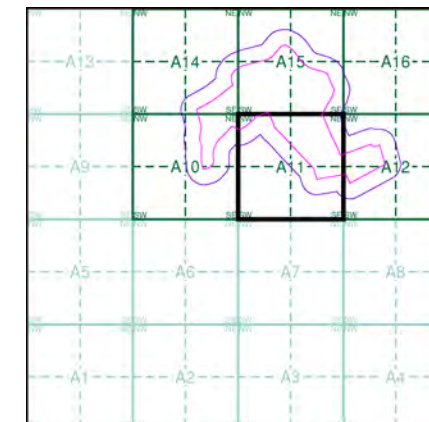
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A11



Order Details

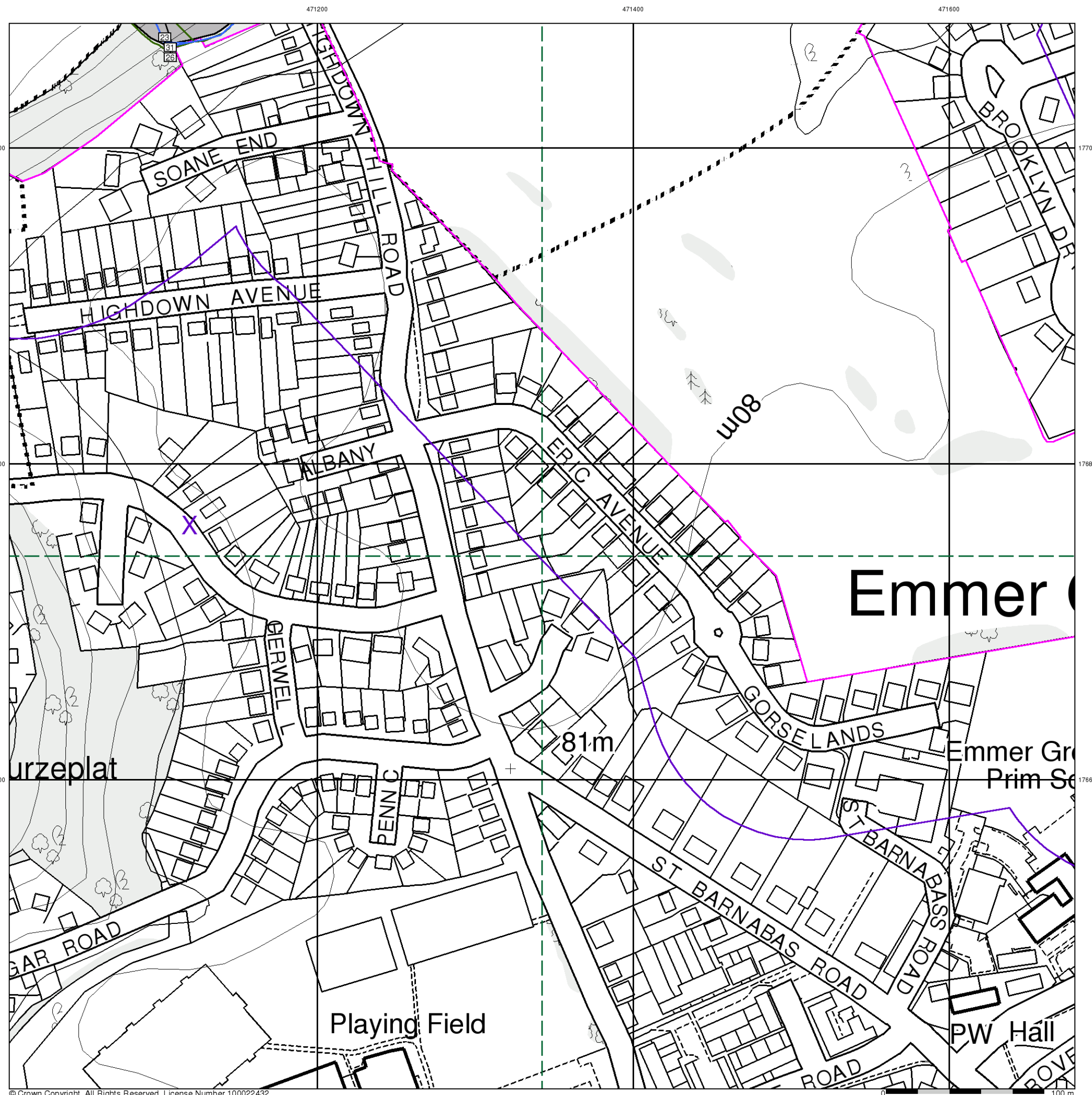
Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Plot Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Historical Land Use Information (1:2,500)

General

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

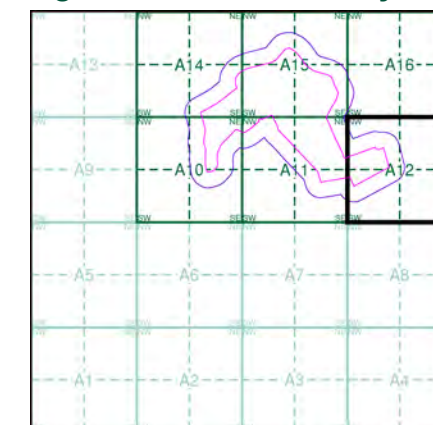
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A12



Order Details

Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Plot Buffer (m): 100

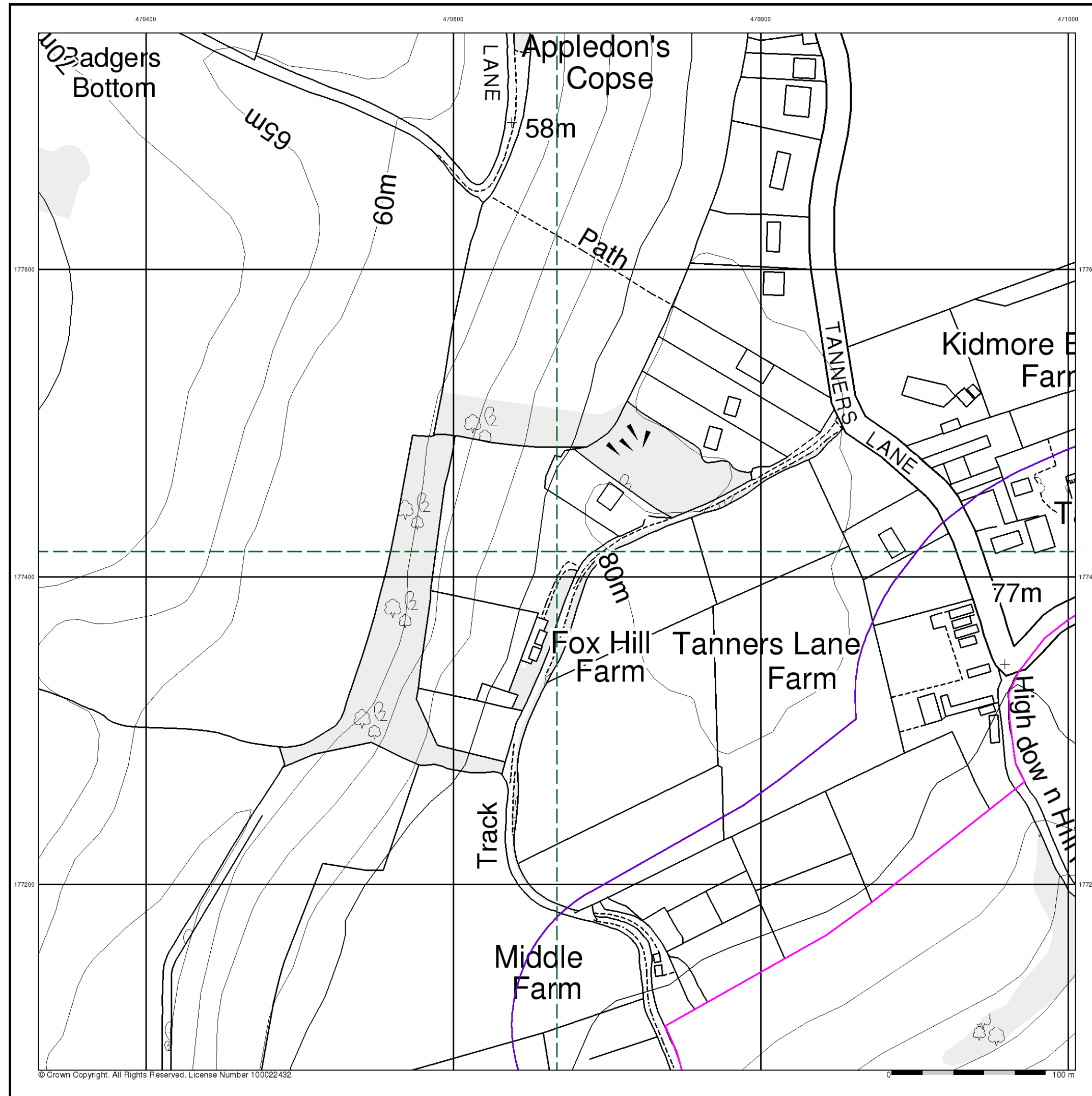
Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





Historical Land Use Information (1:2,500)

General

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

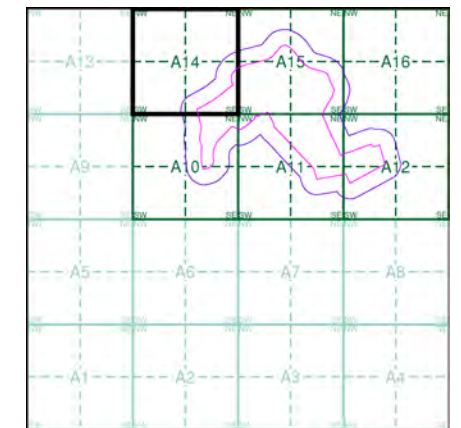
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A14



Order Details

Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Plot Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green, READING, RG4 8SQ



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



Historical Land Use Information (1:2,500)

General

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

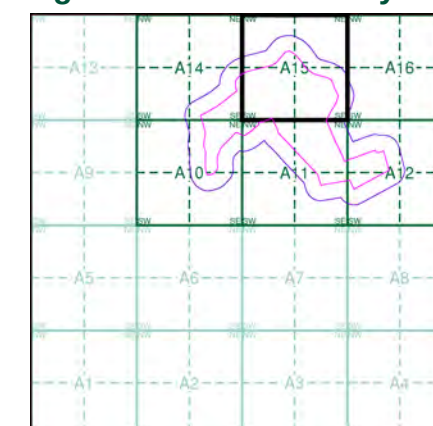
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

Mining and Ground Stability - Segment A15



Order Details

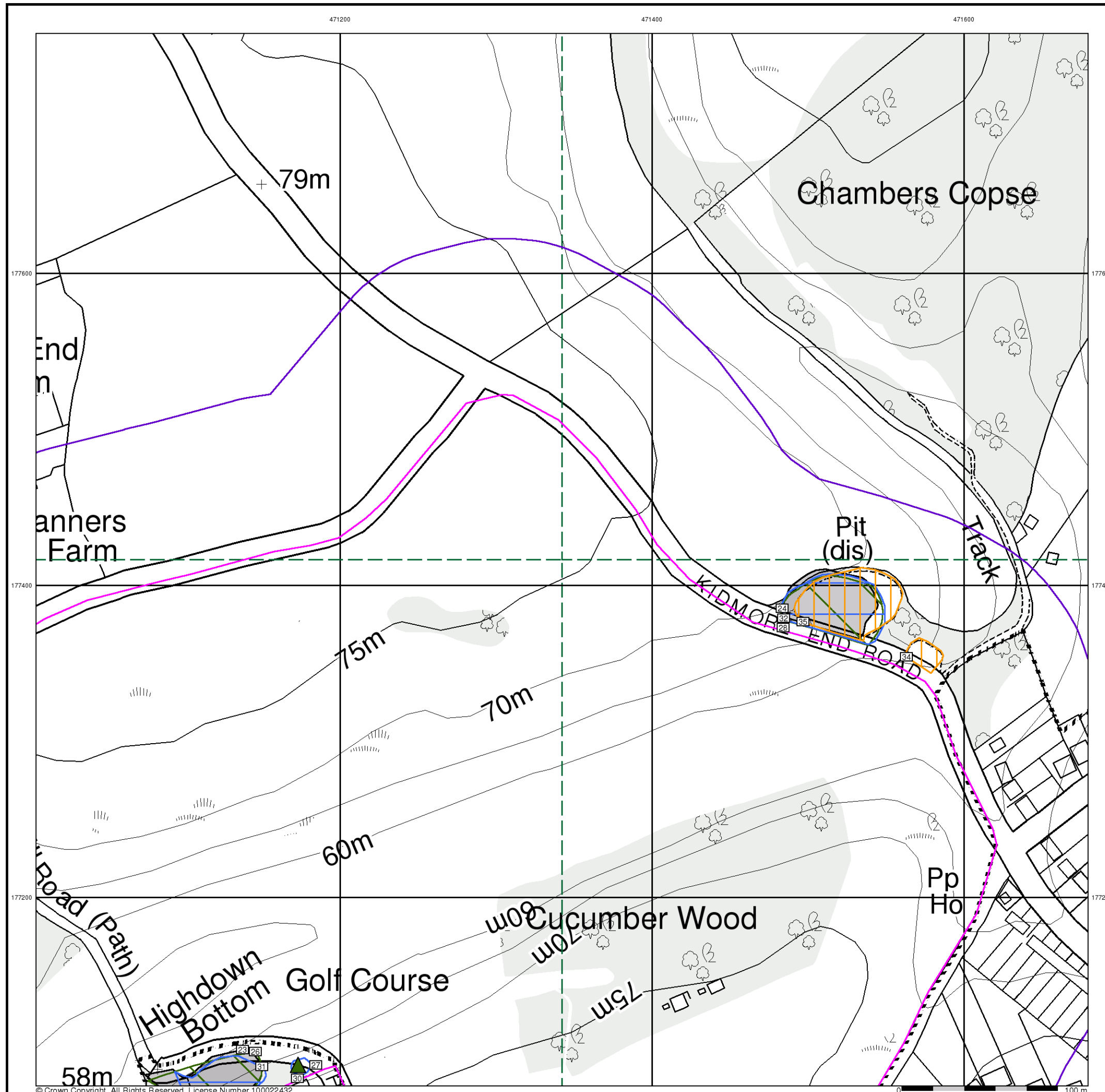
Order Number: 192365557_1_1
Customer Ref: 12112
National Grid Reference: 471120, 176760
Slice: A
Site Area (Ha): 44.51
Plot Buffer (m): 100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





General

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

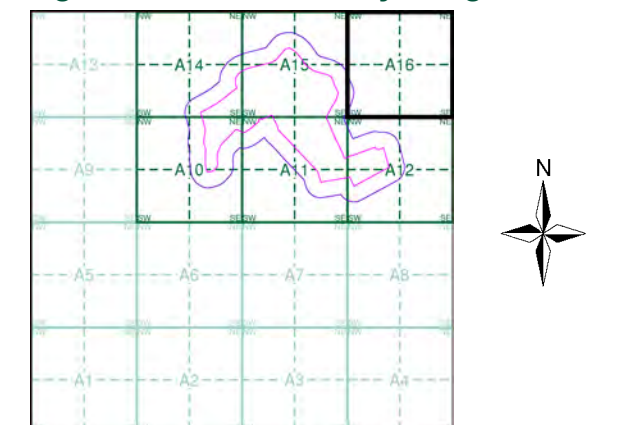
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909			
Extractive Industries Activity from 1893 - 1915			
Extractive Industries Activity from 1906 - 1937			
Extractive Industries Activity from 1924 - 1949			
Extractive Industries Activity from 1950 - 1980			

Subterranean Features

	Point	Line	Polygon
Subterranean Features			

Mining and Ground Stability - Segment A16



Order Details

Order Number:	192365557_1_1
Customer Ref:	12112
National Grid Reference:	471120, 176760
Slice:	A
Site Area (Ha):	44.51
Plot Buffer (m):	100

Site Details

Reading Golf Club, 17, Kidmore End Road, Emmer Green,
READING, RG4 8SQ

Landmark
INFORMATION GROUP

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





APPENDIX 4
SITE INVESTIGATION PROTOCOL



Ground and Environmental Services Limited
Unit 2 Montpelier Business Park
Dencora Way
Ashford
Kent
TN23 4FG
01233 646237

Reading Golf Club, Kidmore End Road, Reading, RG4 8SQ

SITE INVESTIGATION PROTOCOL

Site is an 18-hole golf course. Future development of the site may include residential units with access to private gardens.

The objectives of the ground investigation would be to identify environmental liabilities associated with the site and delineate any areas of contamination resulting from the sites previous and current usage as identified in the Phase 1 Contamination Risk Assessment.

Phase 2 Contamination Assessment

This phase of works includes for contamination only. With reference to the Phase 1 ground conditions of Lambeth Group in the south eastern part, and Seaford Chalk Formation across the remainder of the site. Superficial Black Park Gravel Member, and Head Deposits are present across the site.

Based upon our understanding of the development proposals and upon a review of the available data the following intrusive works are proposed:

Window Sampling

To ensure sufficient site coverage we propose a minimum of 2 day's window sampling using track mounted window sampling equipment concentrating on potential contaminant sources identified at or immediately adjacent to the site.

A suitably qualified and experienced Environmental Scientist would log the window sample holes and select samples for subsequent contamination testing.

Six window sample holes would be completed with 35mm diameter gas/groundwater monitoring standpipes. The standpipes would be capped within gas valves and flush stopcock covers. All remaining window sample holes would be backfilled with arisings and surface coverings made safe.

Dedicated Soil Gas Monitoring Standpipes

Dedicated soil 1m soil gas monitoring standpipes would be installed along the north eastern boundary of the site, and monitored as part of the gas monitoring programme on site, in order to determine the presence of any migrating landfill gases from the nearby historical landfill sites.

Groundwater and Soil Gas Monitoring

A soil vapour survey will be undertaken across the site, in order to identify the presence of any volatile organic compounds such as petroleum products. This involves monitoring the

atmosphere within installed standpipes for volatile hydrocarbons using a portable photo-ionisation detector (PID). Levels of carbon dioxide, methane and oxygen will also be recorded using other portable monitoring equipment, to assess whether or not consideration should be given to the incorporation of gas protection measures in any buildings.

Should groundwater be encountered during the site investigation, samples will be taken and sent for analysis.

We recommend three return visits to monitor both groundwater level (if encountered) and soil gas concentrations in the window sample hole standpipes.

Laboratory Testing – Contamination

All samples collected during the intrusive investigation will be screened in the laboratory to identify the presence of volatile organic compounds using a portable PID and these results will be used to select samples for laboratory analysis. The analytical suite will include total petroleum hydrocarbons, MTBE, BTEXs and mineral oils and will be extended to include metals, polyaromatic hydrocarbons (PAH), water soluble sulphate and pH.

Given the potential contaminant sources on site, we would allow for the testing of between 12 and 16 soil samples/groundwater samples for the general suite as described above. In addition, samples will be analysed for the presence of Asbestos, given the nature of the sites historical use.

Offsite disposal of soils is likely to be required therefore the testing of composite samples Environment Agency's waste acceptance criteria (WAC) testing will be carried out.

Project Management/Reporting

Following completion of the study, a report will be prepared presenting an outline of the works carried out and an interpretation of the results gathered from the site investigation and laboratory testing. The potential liabilities associated with any contamination will be presented within the context of the risk assessment procedures set out in the Statutory Guidance on Contaminated Land.

The report will be presented to gain provisional discharge from any planning conditions stipulated by the statutory authorities relating to contamination. Where necessary, it will make recommendations for further investigation, and outline a remedial strategy to address any contamination.