

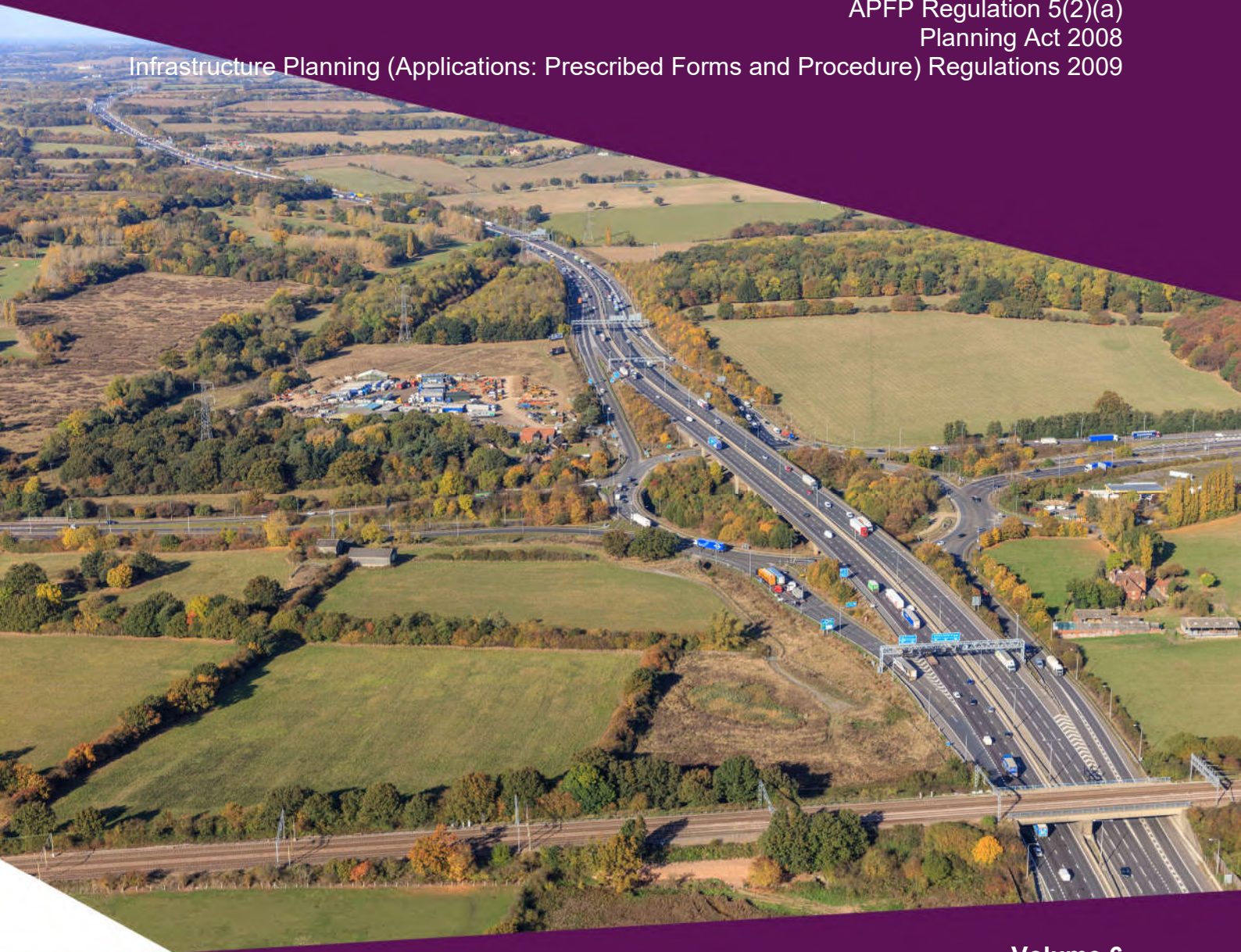
# **M25 junction 28 improvement scheme TR010029**

## **6.3 Environmental Statement**

### **Appendix 10.3: Envirocheck datasheets and 1:10,000K scale historical maps**

APFP Regulation 5(2)(a)  
Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009



## **Infrastructure Planning**

### **Planning Act 2008**

### **The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009**

### **M25 junction 28 scheme Development Consent Order 202[x ]**

---

#### **6.3 ENVIRONMENTAL STATEMENT APPENDIX 10.3: ENVIROCHECK DATASHEETS AND 1:10,000K SCALE HISTORICAL MAPS**

---

<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR010029
<b>Application Document Reference:</b>	TR010029/APP/6.3
<b>Author:</b>	M25 junction 28 improvement scheme project team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
1	May 2020	Application issue



# Table of contents

Chapter	Pages
10. Envirocheck datasheets and 1:10,000K scale historical maps	5

# **Appendix 10.3**

## **Envirocheck datasheets and 1:10,000K scale historical maps**



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

88528679\_1\_1

**Customer Reference:**

RIS M25 J28

**National Grid Reference:**

556800, 191800

**Slice:**

A

**Site Area (Ha):**

98.11

**Search Buffer (m):**

1000

#### Site Details:

Site at  
Brentwood  
Essex

#### Client Details:

Ms T Radford  
Atkins Ltd  
The Wells  
3-13 Church Street  
Epsom  
Surrey  
KT17 4PF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	23
Industrial Land Use	31
Sensitive Land Use	39
Data Currency	40
Data Suppliers	46
Useful Contacts	47

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

#### Copyright Notice

© Landmark Information Group Limited 2016. 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.

#### 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.

#### Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto: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 information and data supplied in the product are 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.

#### Report Version v50.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4	6	1	2	13
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 9	1			1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 10	4	1		2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 11	1		1	
River Quality Biology Sampling Points	pg 11				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12	1			
Water Abstractions	pg 12			2	2
Water Industry Act Referrals					
Groundwater Vulnerability	pg 13	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 14	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 14	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 21		Yes	Yes	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 22	1			
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 22	3	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 22	2		4	
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 25	Yes	Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 28	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 31	7	2		12
Fuel Station Entries	pg 32	1			1
Points of Interest - Commercial Services	pg 33	5	2		3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 33	1		7	26
Points of Interest - Public Infrastructure	pg 36	3		4	8
Points of Interest - Recreational and Environmental					
Gas Pipelines	pg 38	1			
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 39	1			3
Areas of Adopted Green Belt	pg 39	2	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 39				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 39	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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (NW)	0	2	556400 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	0	2	556850 192200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (NE)	0	2	557100 192250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (N)	0	2	556800 192000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NE)	0	2	556900 192000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (N)	0	2	556850 192000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10NE (W)	0	2	556450 191850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	0	2	556600 192600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	2	556600 192950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	2	557300 192950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	2	556400 192700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	2	556650 192900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	2	557250 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	2	557350 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	0	2	556700 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	0	2	556750 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	2	556600 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	2	557300 192250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	0	2	556950 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	0	2	556650 192550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	2	556500 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	2	556550 192750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	2	557350 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (NW)	0	2	556400 192500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	0	2	556800 192300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	0	2	556800 192350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (NE)	0	2	557100 191950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (NE)	0	2	557050 192100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	0	2	556900 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (NE)	0	2	557150 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (N)	0	2	556550 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	5	2	557400 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (NW)	11	2	556450 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (NE)	53	2	557450 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	57	2	556250 192700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (NW)	58	2	556250 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	66	2	556850 191550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	72	2	556250 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	75	2	556800 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	83	2	557550 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	116	2	557250 191700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	116	2	556200 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	145	2	557350 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	179	2	556200 192850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	181	2	557350 191700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	186	2	557400 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	213	2	556800 191400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	219	2	557300 191600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	224	2	557600 193150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	226	2	556350 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	255	2	556200 192950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	262	2	556550 191800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NW (E)	264	2	557500 191800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	287	2	556400 191950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	293	2	556200 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	295	2	556300 192100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	296	2	556800 193250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	309	2	556350 193150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	313	2	556800 191350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	325	2	557500 191650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	331	2	556500 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	363	2	556250 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (E)	366	2	557550 191650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	382	2	556350 191850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SE (NE)	405	2	557800 192250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (W)	406	2	556200 192050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	408	2	556350 191802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	425	2	556750 191250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	435	2	557600 191600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (W)	450	2	556300 191802
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (E)	456	2	557750 191950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (E)	470	2	557700 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NW (W)	475	2	556150 192000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	476	2	556300 191800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	498	2	558000 192750
1	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Brook Street Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0549 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 19th August 2014 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	A15NW (N)	0	3	556900 192400
1	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Brook Street Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0549 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	A15NW (N)	0	3	556900 192400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Nags Head Lane Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1558 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 13th October 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	A11NE (SE)	0	3	557000 191700
2	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Nags Head Lane Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1558 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	A11NE (SE)	0	3	557000 191700
3	<b>Discharge Consents</b> Operator: Shell UK Oil Products Limited Property Type: Retail Filling Stations Location: Brook Street Brentwood Essex Cm14 5na Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CANM.0025 Permit Version: 1 Effective Date: 23rd July 1999 Issued Date: 1st September 1999 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Into Land Environment: Receiving Water: Land Via A Soakaway <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A15NE (N)	0	3	557000 192520
4	<b>Discharge Consents</b> Operator: Trust House Forte Hotels Ltd Property Type: Hotel Trade Location: Hotel, Brook Street, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cexr.0179 Permit Version: 1 Effective Date: 14th January 1974 Issued Date: 14th January 1974 Revocation Date: 18th June 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Manually corrected supplier location	A15NE (N)	0	3	557100 192600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>Discharge Consents</b> Operator: Dogs Trust Property Type: Kennels Location: Putwell Bridge Farm Brook Street Brentwood Essex Cm14 5nd Authority: Environment Agency, Thames Region Catchment Area: Ingrebourne Reference: Canm.1344 Permit Version: 1 Effective Date: 15th January 2008 Issued Date: 15th January 2008 Revocation Date: 18th March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Trib Of Ingrebourne <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A11NW (NW)	116	3	556600 192000
6	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Nags Head Lane Stw ( Brentwood Stw Nags Head Lane Stw Nags Head Lane Brentwood Essex Cm14 5nl Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Celr.0048 Permit Version: 3 Effective Date: 20th December 2000 Issued Date: 20th December 2000 Revocation Date: 7th March 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Manually corrected supplier location	A11SW (S)	290	3	556700 191500
6	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Nags Head Lane Stw ( Brentwood Stw Nags Head Lane Stw Nags Head Lane Brentwood Essex Cm14 5nl Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Celr.0048 Permit Version: 2 Effective Date: 21st October 1985 Issued Date: 8th July 1963 Revocation Date: 19th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Manually corrected supplier location	A11SW (S)	290	3	556700 191500
7	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 6 Effective Date: 19th April 2012 Issued Date: 19th April 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Ingrebourne <b>Status:</b> <b>Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A10SE (W)	642	3	556240 191580



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Nags Head Lane Stw ( Brentwood Stw Nags Head Lane Stw Nags Head Lane Brentwood Essex Cm14 5nl Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Celr.0048 Permit Version: 5 Effective Date: 1st April 2009 Issued Date: 28th January 2009 Revocation Date: 26th February 2014 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Ingrebourne <b>Status:</b> <b>Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A10SW (W)	667	3	556198 191600
7	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Nags Head Lane Stw ( Brentwood Stw Nags Head Lane Stw Nags Head Lane Brentwood Essex Cm14 5nl Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Celr.0048 Permit Version: 4 Effective Date: 8th March 2005 Issued Date: 8th March 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A10SW (W)	667	3	556198 191600
7	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Nags Head Lane Stw ( Brentwood Stw Nags Head Lane Stw Nags Head Lane Brentwood Essex Cm14 5nl Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CELR.0048 Permit Version: 1 Effective Date: 31st October 1979 Issued Date: 8th July 1963 Revocation Date: 20th October 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Into And/Or Watercourse Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Manually corrected supplier location	A10SW (W)	676	3	556200 191580
8	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewage Disposal Works - Water Company Location: Brentwood (Filter) Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2414 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	717	3	556200 191500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Discharge Consents</b> Operator: Mr Keith Pearson Property Type: Fish Farm Location: Tylers Common Fishery, Nags Head Lane, Upminster, Essex Authority: Environment Agency, Thames Region Catchment Area: Ingrebourne Reference: Canm.0563 Permit Version: 1 Effective Date: 10th April 2003 Issued Date: 10th April 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: To River Ingrebourne <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A7SW (S)	859	3	556760 190780
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 6 Effective Date: 19th April 2012 Issued Date: 19th April 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Ingrebourne <b>Status:</b> <b>Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 5 Effective Date: 1st April 2009 Issued Date: 28th January 2009 Revocation Date: 31st March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 4 Effective Date: 1st April 2010 Issued Date: 31st March 2005 Revocation Date: 18th April 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 3 Effective Date: 8th March 2005 Issued Date: 8th March 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0328 Permit Version: 2 Effective Date: 20th December 2000 Issued Date: 20th December 2000 Revocation Date: 7th March 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewage Disposal Works - Water Company Location: Brentwood (Filter) Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2414 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
10	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: Sewage Disposal Works - Water Company Location: Brentwood Stw ( Lagoon ), Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSC.0328 Permit Version: 1 Effective Date: 21st October 1985 Issued Date: 21st October 1985 Revocation Date: 19th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status:</b> <b>Transferred from COPA 1974</b> Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	940	3	556000 191400
11	<b>Local Authority Pollution Prevention and Controls</b> Name: Total South Weald Service Station Location: Brook Street, BRENTWOOD, Essex, CM14 5NA Authority: Brentwood Borough Council, Environmental Health Department Permit Reference: BBC/P/21/08 Dated: 24th December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status:</b> <b>Permitted</b> Positional Accuracy: Manually positioned to the address or location	A15NE (N)	0	4	556918 192446

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Local Authority Pollution Prevention and Controls</b> Name: Harold Park Service Station Location: Colchester Road, Harold Park, ROMFORD, Essex, RM3 0AG Authority: London Borough of Havering, Environmental Health Department Permit Reference: Vr 35 Dated: 9th February 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station <b>Status: Authorised</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	868	5	555815 191844
	<b>Nearest Surface Water Feature</b>	A15SE (NE)	0	-	557218 192073
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: M25, Brook Street Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed incident Incident Date: 14th May 1999 Incident Reference: THNE1999043036 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	A15NW (N)	0	3	556800 192400
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Nags Head Lane, BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Agricultural: Unknown Note: Not Supplied Incident Date: 4th June 1996 Incident Reference: NE960378 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	A16SW (NE)	0	3	557250 192100
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: M25 Junction 28 At Brentwood Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: No Incident Date: 10th May 1990 Incident Reference: NE900171 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A15SW (N)	0	3	556800 192200
16	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 14th April 1989 Incident Reference: NE890157 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	A15NW (N)	0	3	556700 192400
17	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Agricultural: General Note: Confirmed As A Pollution Incident Incident Date: 29th June 1993 Incident Reference: NE930448 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A16SW (NE)	164	3	557500 192200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th July 1991 Incident Reference: NE910352 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	A10SE (SW)	546	3	556400 191500
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Elm Industrial Estate Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 8th April 1991 Incident Reference: NE910159 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	A10SW (W)	974	3	555900 191500
	<b>River Quality</b> Name: Ingrebourne GQA Grade: River Quality A Reach: Bk Street - Brentwood Stw Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A10NE (W)	0	3	556362 191978
	<b>River Quality</b> Name: Ingrebourne GQA Grade: River Quality E Reach: Brentwood Stw - Harold Court Road Estimated Distance (km): .4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A10NE (W)	481	3	556292 191805
20	<b>River Quality Biology Sampling Points</b> Name: Ingrebourne Reach: Brentwood Sewage Treatment Works To Harold Court Road Estimated Distance: 0.40 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A10SW (W)	676	3	556200 191580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - Thames Region, North East Area Incident Date: 28th September 2010 Incident Reference: 826163 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Surfactants And Detergents	A15NW (N)	0	3	556846 192427
22	<b>Water Abstractions</b> Operator: Mr D L Bloomfield Licence Number: 08/37/55/0068 Permit Version: 100 Location: Mascalls Farm, Brentwood - Trib Of River Ingrebourne Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 682 Yearly Rate (m3): 34095 Details: Mascalls Farm, Brentwood, Essex Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 23rd October 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (E)	311	3	557600 192000
23	<b>Water Abstractions</b> Operator: Mr D L Bloomfield Licence Number: 08/37/55/0034 Permit Version: 100 Location: Mascalls Farm, Brentwood - Well 1 Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 45 Details: Mascalls Farm, Brentwood, Essex Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th July 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	430	3	557800 192300
24	<b>Water Abstractions</b> Operator: Mr D L Bloomfield Licence Number: 08/37/55/0034 Permit Version: 100 Location: Mascalls Farm, Brentwood - Well 2 Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mascalls Farm, Brentwood, Essex Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th July 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (E)	551	3	557900 192200
25	<b>Water Abstractions</b> Operator: Mr D L Bloomfield Licence Number: 08/37/55/0034 Permit Version: 100 Location: Mascalls Farm, Brentwood - Well 3 Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mascalls Farm, Brentwood, Essex Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th July 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (E)	576	3	557900 192100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	A11NW (W)	0	3	556800 191802
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	A10NE (W)	0	3	556474 191901
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	(N)	0	3	556631 192885
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A11NE (E)	0	2	557236 191691
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A11NW (W)	0	2	556800 191802
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	2	556601 192811
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A14SE (NW)	0	2	556460 192264
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (NE)	0	2	556936 192006
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A10NE (W)	0	2	556453 191941
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A14SE (NW)	0	3	556508 192133
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A14SE (NW)	124	3	556519 192078
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A10NE (NW)	126	3	556469 191952
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A14SE (NW)	136	3	556532 192071
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10NE (NW)	152	3	556493 191971
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A14SE (NW)	154	3	556453 192158
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A14SE (NW)	158	3	556454 192148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A14SE (NW)	160	3	556467 192081
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NE (NW)	218	3	556399 191980
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NE (NW)	0	3	556487 191998
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
26	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15NW (N)	0	3	556586 192531
27	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	557030 191939
28	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A14SE (NW)	0	3	556498 192243
29	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	556919 192044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	(NW)	0	3	556382 192711
31	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	556982 191931
32	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	556951 192000
33	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A15NW (N)	0	3	556770 192502
34	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A15NE (N)	0	3	556999 192686
35	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	556960 192084

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	557061 192063
37	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	557220 192079
38	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	557188 192012
39	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	557061 192063
40	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SE (NE)	0	3	556960 192084
41	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	557096 191968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SW (N)	0	3	556684 192111
43	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15NE (N)	0	3	556999 192686
44	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A15NW (N)	0	3	556661 192386
45	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	0	3	556956 191993
46	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NE (NW)	34	3	556317 192578
47	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NE (NW)	35	3	556284 192678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NE (NW)	64	3	556310 192579
49	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	A14NE (NW)	66	3	556297 192578
50	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Weald Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	A14NE (NW)	72	3	556248 192662
51	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A15SW (NW)	74	3	556595 192089
52	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	A14SE (NW)	75	3	556458 192213
53	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Ingrebourne Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A14SE (NW)	128	3	556480 192059



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	147	3	557459 191928
55	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A16SW (E)	147	3	557446 192057
56	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A16SW (E)	178	3	557473 192039
57	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A10NE (NW)	188	3	556462 191974
58	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	191	3	557482 192022
59	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	191	3	557482 192022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	193	3	557462 191876
61	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A16SW (E)	203	3	557522 192034
62	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	255	3	557529 191950
63	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (E)	316	3	557584 191920
64	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	(NW)	364	3	555944 192728
65	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NW)	436	3	555876 192641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NW)	436	3	555876 192641
67	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NW)	438	3	555870 192695
68	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A10NE (W)	449	3	556360 191753
69	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NE (E)	458	3	557729 191914
70	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Ingrebourne Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	A10NE (W)	473	3	556324 191765
71	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	A12NW (E)	156	3	557360 191746
72	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	A14NW (NW)	218	3	556167 192518
73	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	A11SW (SW)	404	3	556629 191394

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	<b>Historical Landfill Sites</b> Licence Holder: Not Supplied Location: Grove Farm, Harold Park Name: Brook Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34719 First Input Date: Not Supplied Last Input Date: 1st August 1983 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A15NW (N)	0	3	556640 192455
	<b>Local Authority Landfill Coverage</b> Name: London Borough of Havering - Has supplied landfill data		0	5	556700 191470
	<b>Local Authority Landfill Coverage</b> Name: Brentwood District Council - Has supplied landfill data		0	7	556800 191802
	<b>Local Authority Landfill Coverage</b> Name: Essex County Council - Has supplied landfill data		0	6	556800 191802
75	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A14NE (NW)	0	-	556394 192588
76	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A15NW (N)	0	-	556583 192601
77	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12SW (E)	277	-	557462 191679
78	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14SW (NW)	302	-	556189 192318
79	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A16SE (NE)	335	-	557667 192164
80	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A14SE (NW)	357	-	556284 192056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Thames Group	A11NW (W)	0	2	556800 191802
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (W)	0	2	556800 191802
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10NE (W)	0	2	556453 191941
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (NW)	0	2	556497 192287
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (NW)	0	2	556460 192264
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (NE)	0	2	556936 192006
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NW)	121	2	556418 192006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (NW)	192	2	556391 192021
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SE)	367	2	557120 191278
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	380	2	557793 192283
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SE)	443	2	557323 191332
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (W)	558	2	555944 192150
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (S)	558	2	556824 191073

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (NW)	605	2	555755 192342
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (S)	613	2	556766 191000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	790	2	557715 191211
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (S)	810	2	556746 190835
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	942	2	556000 191396
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556933, 192409 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 11.80 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 108.50 mg/kg Concentration: Lead Measured 83.80 mg/kg Concentration: Nickel Measured 30.60 mg/kg Concentration:	A15NE (N)	0	2	556933 192409



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556893, 191626 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.60 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 118.50 mg/kg Concentration: Lead Measured 56.60 mg/kg Concentration: Nickel Measured 21.30 mg/kg Concentration:	A11SW (SE)	59	2	556893 191626
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556267, 192380 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.40 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 92.70 mg/kg Concentration: Lead Measured 44.60 mg/kg Concentration: Nickel Measured 19.30 mg/kg Concentration:	A14NE (NW)	204	2	556267 192380
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556112, 192556 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.60 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 107.40 mg/kg Concentration: Lead Measured 48.50 mg/kg Concentration: Nickel Measured 21.20 mg/kg Concentration:	A14NW (NW)	245	2	556112 192556
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556725, 191319 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.40 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 121.70 mg/kg Concentration: Lead Measured 59.00 mg/kg Concentration: Nickel Measured 31.90 mg/kg Concentration:	A7NW (S)	383	2	556725 191319
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 557117, 191259 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.30 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 117.80 mg/kg Concentration: Lead Measured 42.30 mg/kg Concentration: Nickel Measured 23.30 mg/kg Concentration:	A7NE (SE)	383	2	557117 191259

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 555729, 192684 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.20 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 93.60 mg/kg Concentration: Lead Measured 58.40 mg/kg Concentration: Nickel Measured 19.50 mg/kg Concentration:	A13NE (NW)	579	2	555729 192684
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556132, 191754 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.20 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 80.40 mg/kg Concentration: Lead Measured 106.40 mg/kg Concentration: Nickel Measured 24.40 mg/kg Concentration:	A10NW (W)	644	2	556132 191754
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556414, 191080 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.40 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 127.90 mg/kg Concentration: Lead Measured 49.30 mg/kg Concentration: Nickel Measured 44.40 mg/kg Concentration:	A6NE (SW)	770	2	556414 191080
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 555674, 192211 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.80 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 86.50 mg/kg Concentration: Lead Measured 75.10 mg/kg Concentration: Nickel Measured 19.30 mg/kg Concentration:	A13SE (W)	798	2	555674 192211
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 555831, 191877 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.10 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 78.00 mg/kg Concentration: Lead Measured 212.20 mg/kg Concentration: Nickel Measured 23.70 mg/kg Concentration:	A9NE (W)	837	2	555831 191877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 557227, 190744 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 13.80 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 128.50 mg/kg Lead Measured Concentration: 48.90 mg/kg Nickel Measured Concentration: 25.00 mg/kg	A7SE (S)	906	2	557227 190744
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556676, 190683 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured Concentration: 12.50 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 99.20 mg/kg Lead Measured Concentration: 40.60 mg/kg Nickel Measured Concentration: 18.60 mg/kg	A7SW (S)	976	2	556676 190683
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A11NW (W)	0	2	556800 191802
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	2	556453 191941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	121	2	556418 192006
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	2	557141 191937
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	2	556825 192002
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SE (NE)	0	2	557039 192124
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	2	557290 192305
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SE (NE)	0	2	556952 192160
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	2	556556 192270
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	68	2	556460 192264
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	121	2	556418 192006
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	141	2	557441 191946
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	142	2	557331 191735
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	165	2	556461 191960
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	206	2	556818 191421
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	222	2	556594 191802
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	2	557104 191718
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	2	556859 192212
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	2	556802 192300
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	2	556717 192375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	2	556649 192481
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	2	556736 192405
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	54	2	557186 191728
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	70	2	556853 191587
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	103	2	556967 191509
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	181	2	557572 192389
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	191	2	557176 191538
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	2	556825 192002
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	2	556556 192270
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	0	2	556497 192287
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	68	2	556460 192264
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	81	2	556865 191549
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	165	2	556461 191960
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	192	2	556391 192021
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	222	2	556594 191802
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	249	2	556907 191361
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	2	556800 191802
	<b>Radon Potential - Radon Protection Measures</b> 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 (W)	0	2	556800 191802

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<b>Contemporary Trade Directory Entries</b> Name: G Jones Location: Grove Farm, Brook Street, Brentwood, Essex, CM14 5NG Classification: Waste Disposal Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A15NW (N)	0	-	556615 192433
81	<b>Contemporary Trade Directory Entries</b> Name: Leecott Motors Location: Grove Farm, Brook Street, Brentwood, Essex, CM14 5NG Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A15NW (N)	0	-	556615 192433
82	<b>Contemporary Trade Directory Entries</b> Name: Shell South Weald Location: Brook Street, Brentwood, Essex, CM14 5LU Classification: Petrol Filling Stations <b>Status:</b> Active Positional Accuracy: Manually positioned to the address or location	A15NE (N)	0	-	556928 192451
83	<b>Contemporary Trade Directory Entries</b> Name: Toomey Vauxhall Brentwood Location: 59, Brook Street, Brentwood, Essex, CM14 5NB Classification: Car Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A16NW (NE)	0	-	557320 192683
84	<b>Contemporary Trade Directory Entries</b> Name: Poolman Leisure Group Ltd Location: Brook St, Brentwood, Essex, CM14 5NF Classification: Swimming Pool Contractors, Repairers & Service <b>Status:</b> Inactive Positional Accuracy: Manually positioned within the geographical locality	A15NE (NE)	0	-	557187 192647
85	<b>Contemporary Trade Directory Entries</b> Name: South Weald Service Station Location: 65, Brook Street, Brentwood, Essex, CM14 5NA Classification: Petrol Filling Stations - 24 Hour <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A15NE (N)	0	-	556996 192489
85	<b>Contemporary Trade Directory Entries</b> Name: New Wave Filtration Ltd Location: Brentwood Garden Centre, Brook St, Brentwood, Essex, CM14 5NF Classification: Filtration Systems & Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A15NE (N)	0	-	557039 192498
86	<b>Contemporary Trade Directory Entries</b> Name: Home Secure Solutions Location: 51, Nags Head Lane, Brentwood, CM14 5NL Classification: Roller Shutter Manufacturers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A11SW (S)	166	-	556763 191635
86	<b>Contemporary Trade Directory Entries</b> Name: Brentwood Car & Commercial Mot Centre Location: 53, Nags Head Lane, Brentwood, Essex, CM14 5NL Classification: Mot Testing Centres <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A11SW (S)	189	-	556749 191613
87	<b>Contemporary Trade Directory Entries</b> Name: Zetech Services Location: San SU, Colchester Road, Romford, RM3 0AN Classification: Air Conditioning & Refrigeration Contractors <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A10NW (W)	752	-	555944 191856
88	<b>Contemporary Trade Directory Entries</b> Name: Capital Calibration Services Ltd Location: 23, The Parade, Colchester Road, Romford, RM3 0AQ Classification: Testing, Inspection & Calibration Equipment Manufacturers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (W)	867	-	555842 191802
89	<b>Contemporary Trade Directory Entries</b> Name: Esso Location: Colchester Road, Romford, RM3 0AG Classification: Petrol Filling Stations <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (W)	868	-	555815 191844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	<b>Contemporary Trade Directory Entries</b> Name: Harold Park Service Station Location: Colchester Road, Romford, RM3 0AG Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	868	-	555815 191844
90	<b>Contemporary Trade Directory Entries</b> Name: The Queen Of Clean Location: 22, Greenway, Romford, RM3 0HH Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A10SW (W)	881	-	555944 191606
91	<b>Contemporary Trade Directory Entries</b> Name: Richbell Technical Services Location: 24, Ingreway, Romford, RM3 0BW Classification: Mechanical Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A10SW (W)	898	-	555980 191515
92	<b>Contemporary Trade Directory Entries</b> Name: Solmedia Ltd Location: 6, The Parade, Colchester Road, Romford, RM3 0AQ Classification: Laboratory Equipment, Instruments & Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	933	-	555789 191762
93	<b>Contemporary Trade Directory Entries</b> Name: Tec Moto Location: 4-5, The Parade, Colchester Road, Romford, Essex, RM3 0AQ Classification: Motor Cycle Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	948	-	555774 191758
93	<b>Contemporary Trade Directory Entries</b> Name: Victoria Office Equipment Location: 3, The Parade, Colchester Road, Romford, RM3 0AQ Classification: Photocopiers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	952	-	555770 191756
93	<b>Contemporary Trade Directory Entries</b> Name: Dynoprop Balancing Location: 1a, Harold Court Road, Romford, RM3 0YU Classification: Engine Component Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	996	-	555734 191732
93	<b>Contemporary Trade Directory Entries</b> Name: Airport Engineering Co Location: 1, Harold Court Road, Romford, RM3 0YU Classification: Engineers - General <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	996	-	555734 191732
94	<b>Contemporary Trade Directory Entries</b> Name: G T Autos Ltd Location: 51, Sheffield Drive, Romford, RM3 9YB Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	999	-	555358 192395
95	<b>Fuel Station Entries</b> Name: Shell South Weald Location: Brook Street, Brentwood, Essex, CM14 5LU Brand: Shell Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A15NE (N)	0	-	556926 192452
96	<b>Fuel Station Entries</b> Name: Mrh Harold Park Location: Colchester Road, Romford, RM3 0AG Brand: ESSO Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Automatically positioned to the address	A9NE (W)	868	-	555815 191844



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<b>Points of Interest - Commercial Services</b> Name: Magnus Vauxhall Location: 59 Brook Street, Brentwood, CM14 5NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A16NW (NE)	0	8	557320 192683
97	<b>Points of Interest - Commercial Services</b> Name: Magnus Vauxhall Location: 59 Brook Street, Brentwood, CM14 5NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A16NW (NE)	0	8	557320 192683
98	<b>Points of Interest - Commercial Services</b> Name: Sk Car Services Location: Brook Street, Brentwood, CM14 5NF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A15NE (NE)	0	8	557187 192647
98	<b>Points of Interest - Commercial Services</b> Name: Sk Car Services Location: Brook Street, Brentwood, CM14 5NF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A15NE (NE)	0	8	557187 192647
99	<b>Points of Interest - Commercial Services</b> Name: Leecotts Motors Location: Grove Farm, Brook Street, Brentwood, CM14 5NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15NW (N)	0	8	556615 192433
100	<b>Points of Interest - Commercial Services</b> Name: Brentwood Car & Commercial MOT Centre Location: 53 Nags Head Lane, Brentwood, CM14 5NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SW (S)	189	8	556749 191613
100	<b>Points of Interest - Commercial Services</b> Name: Brentwood Car & Commercial MOT Centre Location: 53 Nags Head Lane, Brentwood, CM14 5NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11SW (S)	189	8	556749 191613
101	<b>Points of Interest - Commercial Services</b> Name: Tec Moto Location: 4-5 The Parade, Colchester Road, Romford, RM3 0AQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (W)	948	8	555774 191758
101	<b>Points of Interest - Commercial Services</b> Name: Dynoprop Balancing Location: 1a Harold Court Road, Romford, RM3 0YU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (W)	996	8	555734 191732
101	<b>Points of Interest - Commercial Services</b> Name: Dynoprop Balancing Location: 1 Harold Court Road, Romford, RM3 0YU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (W)	996	8	555734 191732
102	<b>Points of Interest - Manufacturing and Production</b> Name: P T M Kingston Location: 44 Brook Street, Brentwood, CM14 5ND Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A15SE (N)	0	8	556965 192286
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	395	8	556484 191654

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: CM14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	404	8	556491 191624
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	414	8	556477 191628
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	418	8	556462 191646
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	422	8	556464 191635
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	447	8	556441 191623
103	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	472	8	556429 191596
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	520	8	556394 191561
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	529	8	556387 191554
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	530	8	556383 191559
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	569	8	556353 191533
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	571	8	556347 191540
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	572	8	556337 191554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	572	8	556342 191547
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	580	8	556339 191535
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	580	8	556335 191543
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	582	8	556329 191549
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	598	8	556337 191505
104	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	600	8	556328 191516
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	604	8	556308 191541
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	614	8	556308 191522
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	615	8	556323 191495
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	616	8	556315 191505
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	621	8	556295 191530
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	634	8	556307 191484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	644	8	556276 191517
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	654	8	556292 191470
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	657	8	556282 191482
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	659	8	556263 191508
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	678	8	556272 191458
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	678	8	556264 191471
105	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: RM3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A10SE (SW)	682	8	556244 191496
106	<b>Points of Interest - Manufacturing and Production</b> Name: J Ps Ducks Location: 17 Johns Terrace, Colchester Road, Romford, RM3 0AW Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A10NW (W)	634	8	556047 191913
107	<b>Points of Interest - Public Infrastructure</b> Name: Total South Weald Location: Brook Street, Brentwood, CM14 5NA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A15NE (N)	0	8	556926 192452
107	<b>Points of Interest - Public Infrastructure</b> Name: Shell South Weald Location: Brook Street, Brentwood, CM14 5LU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A15NE (N)	0	8	556928 192451
107	<b>Points of Interest - Public Infrastructure</b> Name: Shell South Weald Location: Brook Street, Brentwood, CM14 5LU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A15NE (N)	0	8	556926 192452
108	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Disposal Works Location: CM14 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A11SW (SW)	304	8	556669 191524

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: CM14 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A11SW (SW)	409	8	556599 191436
109	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: CM14 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A10SE (SW)	439	8	556535 191484
110	<b>Points of Interest - Public Infrastructure</b> Name: Filter Beds Location: RM3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	463	8	556482 191525
110	<b>Points of Interest - Public Infrastructure</b> Name: Sewage Works Location: RM3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A10SE (SW)	504	8	556434 191526
111	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: RM3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SW (W)	646	8	556218 191607
111	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: RM3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SW (W)	661	8	556206 191598
111	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: RM3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10SW (W)	662	8	556210 191591
112	<b>Points of Interest - Public Infrastructure</b> Name: Harold Park Service Station Location: Colchester Road, Romford, RM3 0AG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (W)	868	8	555815 191844
112	<b>Points of Interest - Public Infrastructure</b> Name: Esso Location: Colchester Road, Romford, RM3 0AG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (W)	868	8	555815 191844
112	<b>Points of Interest - Public Infrastructure</b> Name: Harold Park Service Station Location: Colchester Road, Romford, RM3 0AG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (W)	868	8	555815 191844
112	<b>Points of Interest - Public Infrastructure</b> Name: Harold Park Service Station Location: Colchester Road, Romford, RM3 0AG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (W)	868	8	555815 191844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	<b>Gas Pipelines</b> Name: FM18 - Stapleford Tawney to Tilbury Thames North Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity: 78 Distance (m): Status: Active Pipe Length (m): 34584.4 Pipe Number: Feeder 18	A12NW (E)	0	9	557381 191985

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<b>Ancient Woodland</b> Name: Vicarage Wood Reference: 1119478 Area(m <sup>2</sup> ): 100218.67 Type: Ancient and Semi-Natural Woodland	(N)	0	10	556953 192743
115	<b>Ancient Woodland</b> Name: Jacksons Wood Reference: 1119481 Area(m <sup>2</sup> ): 43682.81 Type: Ancient and Semi-Natural Woodland	A12SW (SE)	538	10	557491 191351
116	<b>Ancient Woodland</b> Name: Duck Wood Reference: 1495698 Area(m <sup>2</sup> ): 94556.87 Type: Ancient and Semi-Natural Woodland	A13SE (W)	617	10	555716 192230
117	<b>Ancient Woodland</b> Name: Not Supplied Reference: 1495704 Area(m <sup>2</sup> ): 34404.52 Type: Ancient and Semi-Natural Woodland	(NW)	728	10	555612 192934
118	<b>Areas of Adopted Green Belt</b> Authority: London Borough of Havering, Planning Department Plan Name: Development Control Policies Status: <b>Adopted</b> Plan Date: 22nd October 2008	A10NE (NW)	0	11	556466 191977
119	<b>Areas of Adopted Green Belt</b> Authority: Brentwood Borough Council Plan Name: Brentwood Replacement Local Plan Status: <b>Adopted</b> Plan Date: 25th August 2005	A11NW (W)	0	7	556800 191802
120	<b>Areas of Adopted Green Belt</b> Authority: London Borough of Havering, Planning Department Plan Name: Development Control Policies Status: <b>Adopted</b> Plan Date: 22nd October 2008	A11SW (S)	195	11	556693 191476
121	<b>Local Nature Reserves</b> Name: The Manor Multiple Area: Y Area (m2): 679579.23 Source: Natural England Designation Date: 28th March 2012	A13NE (NW)	617	10	555765 192371
122	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11NW (W)	0	12	556800 191802



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Brentwood Borough Council - Environmental Health Department London Borough of Havering - Environmental Health Department	March 2014 September 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	September 1999 September 1999	Not Applicable Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region Environment Agency - Thames Region	January 2016 January 2016	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable

<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	March 2016	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	May 2016 May 2016	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Brentwood Borough Council Essex County Council London Borough of Havering - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Brentwood Borough Council London Borough of Havering - Environmental Health Department Essex County Council	June 2003 May 2000 November 2004	Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Anglian Region - Eastern Area	June 2015 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>BGS Urban Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	June 2016	Quarterly
<b>Points of Interest - Education and Health</b> PointX	June 2016	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	June 2016	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	June 2016	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	June 2016	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually

<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Adopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department	May 2016 May 2016	As notified As notified
<b>Areas of Unadopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department	November 201 November 201	As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	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	 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> 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
2	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	<b>Brentwood Borough Council - Environmental Health Department</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200333 Email: Brentwood@cieh.org.uk Website: www.brentwood-council.gov.uk
5	<b>London Borough of Havering - Environmental Health Department</b> Mercury House, Mercury Gardens, Romford, Essex, RM1 3SL	Telephone: 01708 434343 Fax: 01708 772696 Website: www.havering.gov.uk
6	<b>Essex County Council</b> County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: www.essexcc.gov.uk
7	<b>Brentwood Borough Council</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200352 Website: www.brentwood-council.gov.uk
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	<b>London Borough of Havering - Planning Department</b> Mercury House, Mercury Gardens, Romford, Essex, RM1 3RX	Telephone: 01708 434343 Planning Fax: 01708 772696 Website: www.havering.gov.uk
12	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
13	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

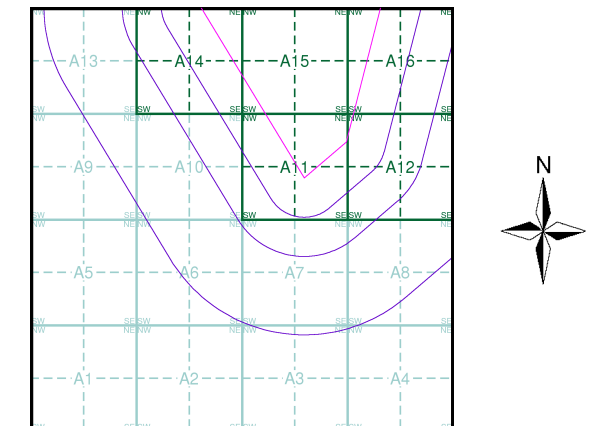
## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Ordnance Survey Plan	1:10,000	1961	8
Ordnance Survey Plan	1:10,000	1967	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Ordnance Survey Plan	1:10,000	1985 - 1989	11
London	1:25,000	1985	12
10K Raster Mapping	1:10,000	1999	13
Historical Aerial Photography	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2016	16

## Historical Map - Slice A



## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

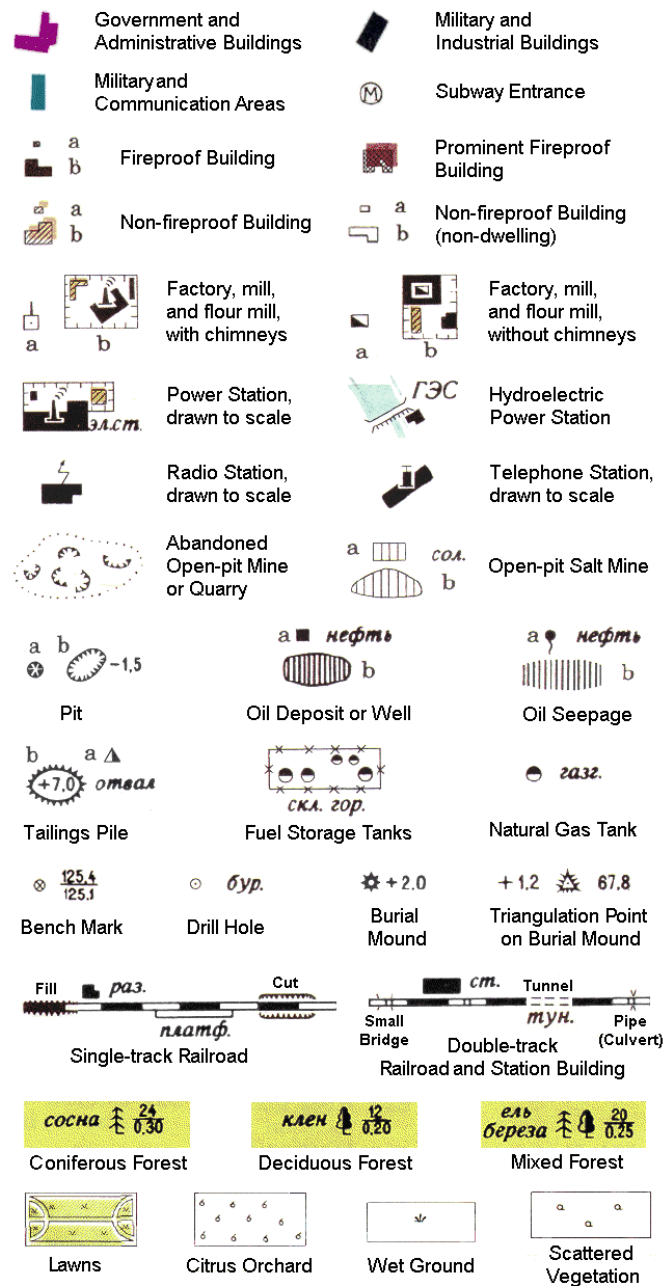
## Site Details

Site at, Brentwood, Essex

# Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



**243.8** Values for prominent elevations

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

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

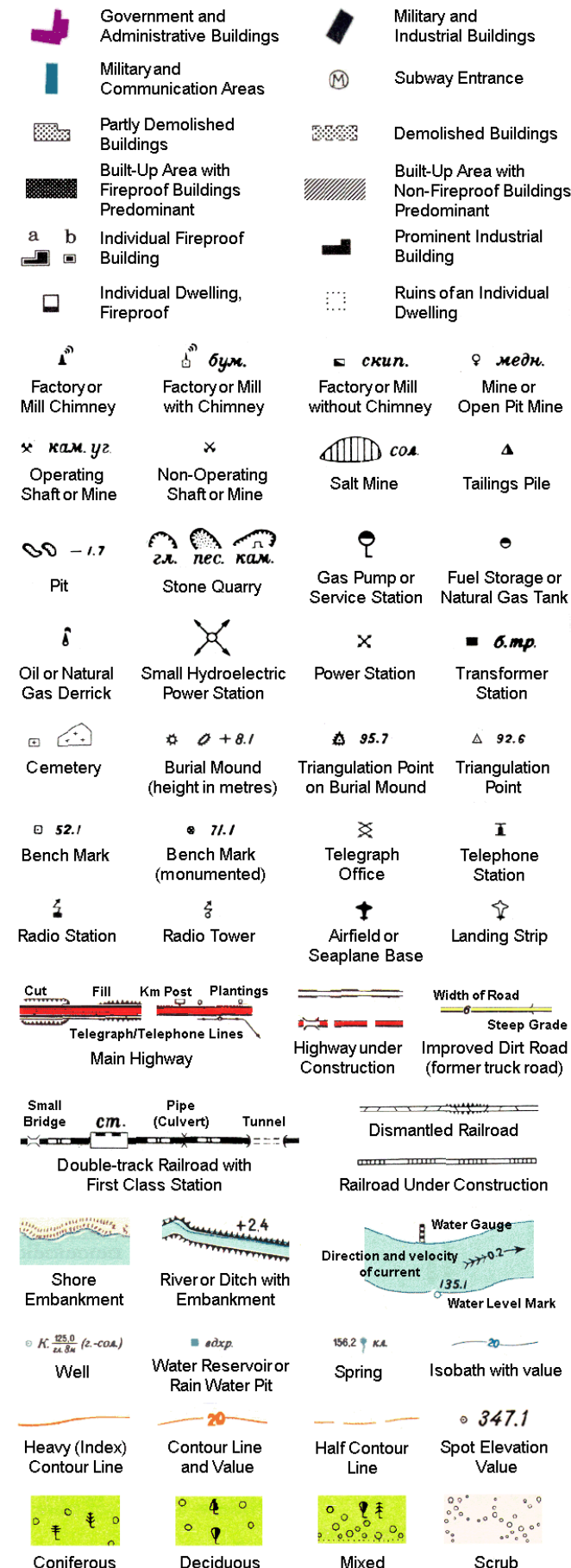
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

<b>А а (A)</b>	<b>З з (Z)</b>	<b>П п (P)</b>	<b>Ч ч (CH)</b>
<b>Б б (B)</b>	<b>И и (I)</b>	<b>Р р (R)</b>	<b>Ш ш (SH)</b>
<b>В в (V)</b>	<b>Й й (Y)</b>	<b>С с (S)</b>	<b>Щ щ (SHCH)</b>
<b>Г г (G)</b>	<b>К к (K)</b>	<b>Т т (T)</b>	<b>Ъ (-)</b>
<b>Д д (D)</b>	<b>Л л (L)</b>	<b>У у (U)</b>	<b>Ы (Y)</b>
<b>Е е (E)</b>	<b>М м (M)</b>	<b>Ф ф (F)</b>	<b>Ь (')</b>
<b>Ё ё (YO)</b>	<b>Н н (N)</b>	<b>Х х (KH)</b>	<b>Э э (E)</b>
<b>Ж ж (ZH)</b>	<b>О о (O)</b>	<b>Ц ц (TS)</b>	<b>Ю ю (YU or IU)</b>
			<b>Я я (YA or IA)</b>

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



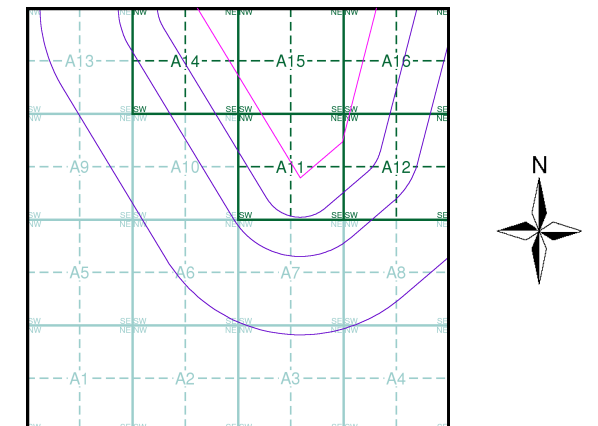
## Key to Numbers on Mapping



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Ordnance Survey Plan	1:10,000	1961	8
Ordnance Survey Plan	1:10,000	1967	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Ordnance Survey Plan	1:10,000	1985 - 1989	11
London	1:25,000	1985	12
10K Raster Mapping	1:10,000	1999	13
Historical Aerial Photography	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2016	16

## Russian Map - Slice A



## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

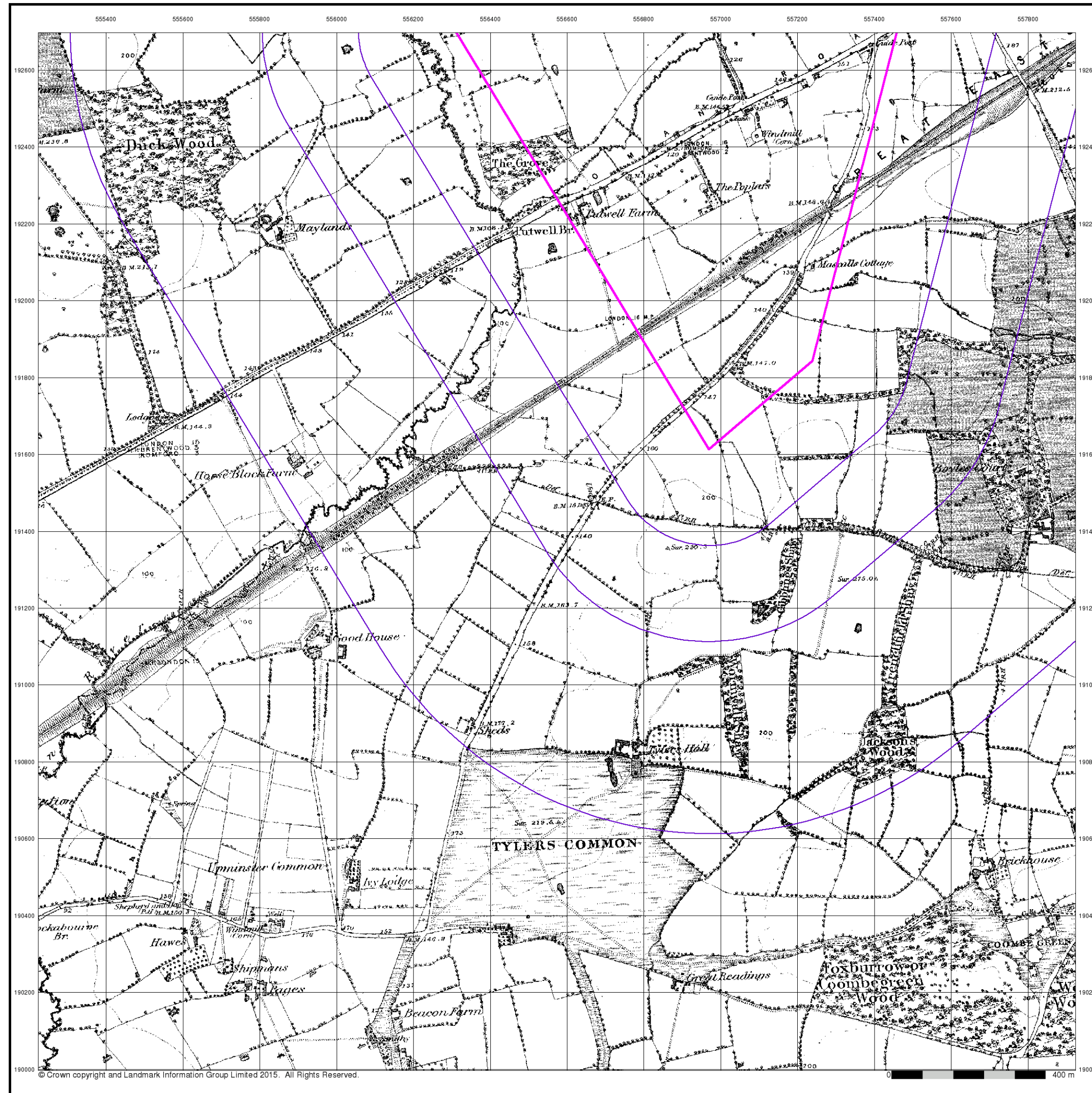
## Site Details

Site at, Brentwood, Essex



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





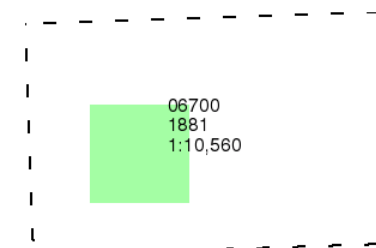
**Essex**

**Published 1881**

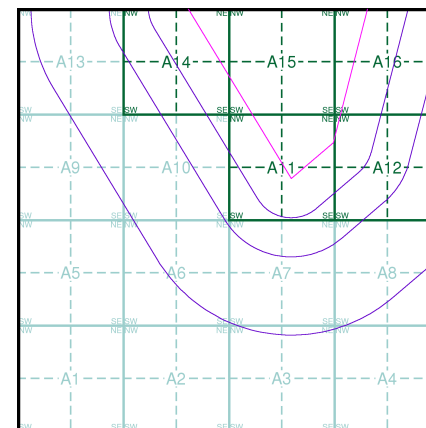
**Source map scale - 1:10,560**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



**Order Details**

Order Number: 88528679\_1\_1

Customer Ref: RIS M25 J28

National Grid Reference: 556800, 191800

Slice: A

Site Area (Ha): 98.11

Search Buffer (m): 1000

**Site Details**

Site at, Brentwood, Essex



## Essex

Published 1898

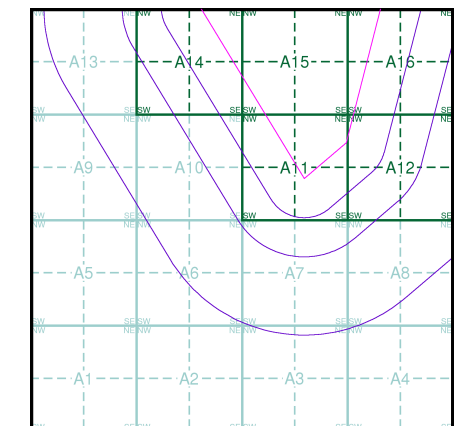
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)

067NW	1898	1:10,560
067SW	1898	1:10,560

## Historical Map - Slice A

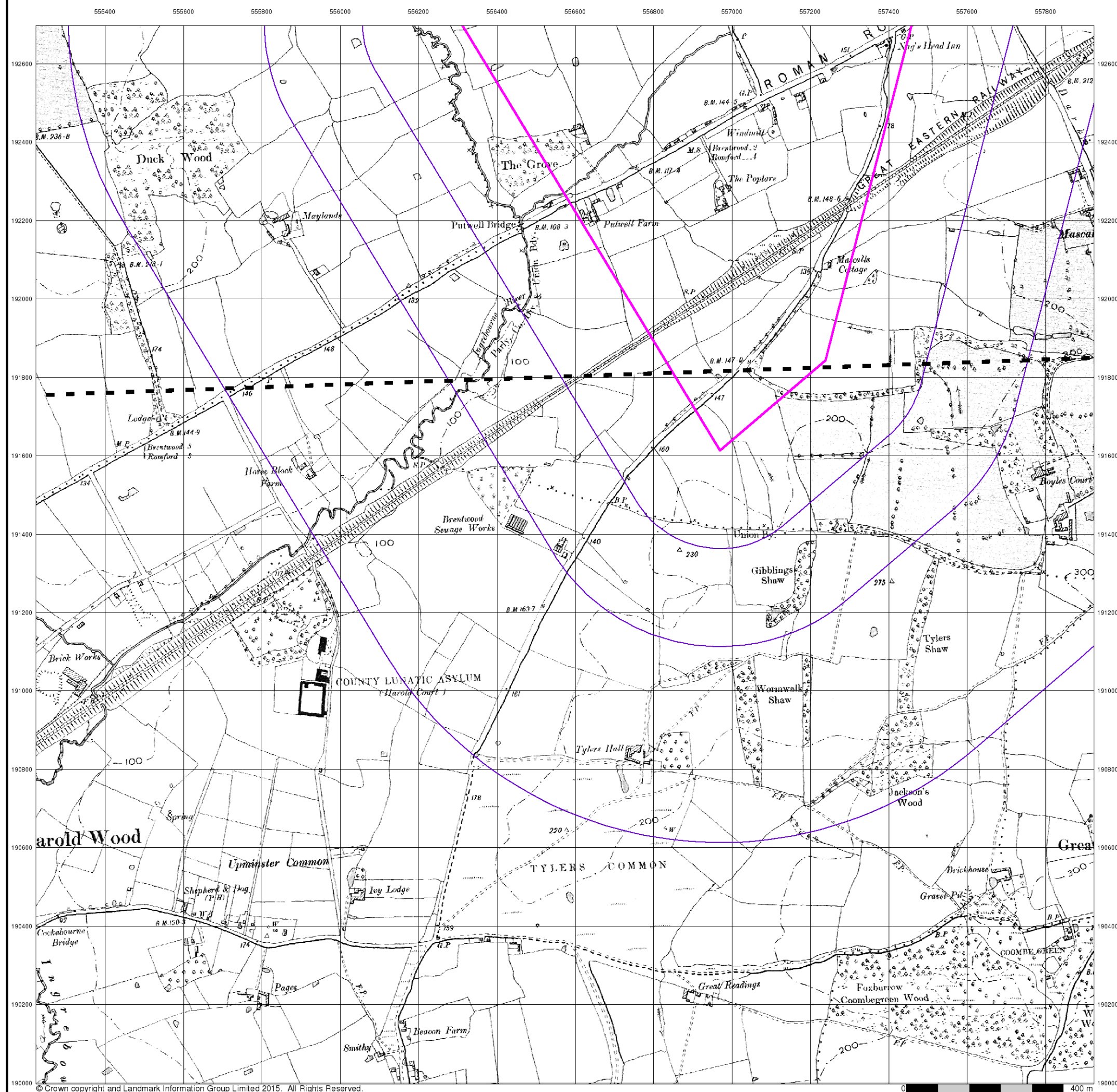


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Essex

**Published 1921**

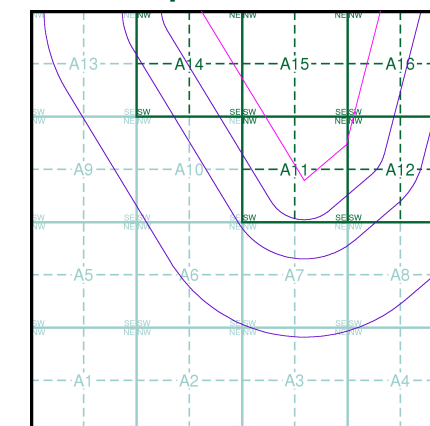
**Source map scale - 1:10,560**

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

### Map Name(s) and Date(s)

070SE 1921 1:10,560	071SW 1921 1:10,560
	080NW 1921 1:10,560

### Historical Map - Slice A

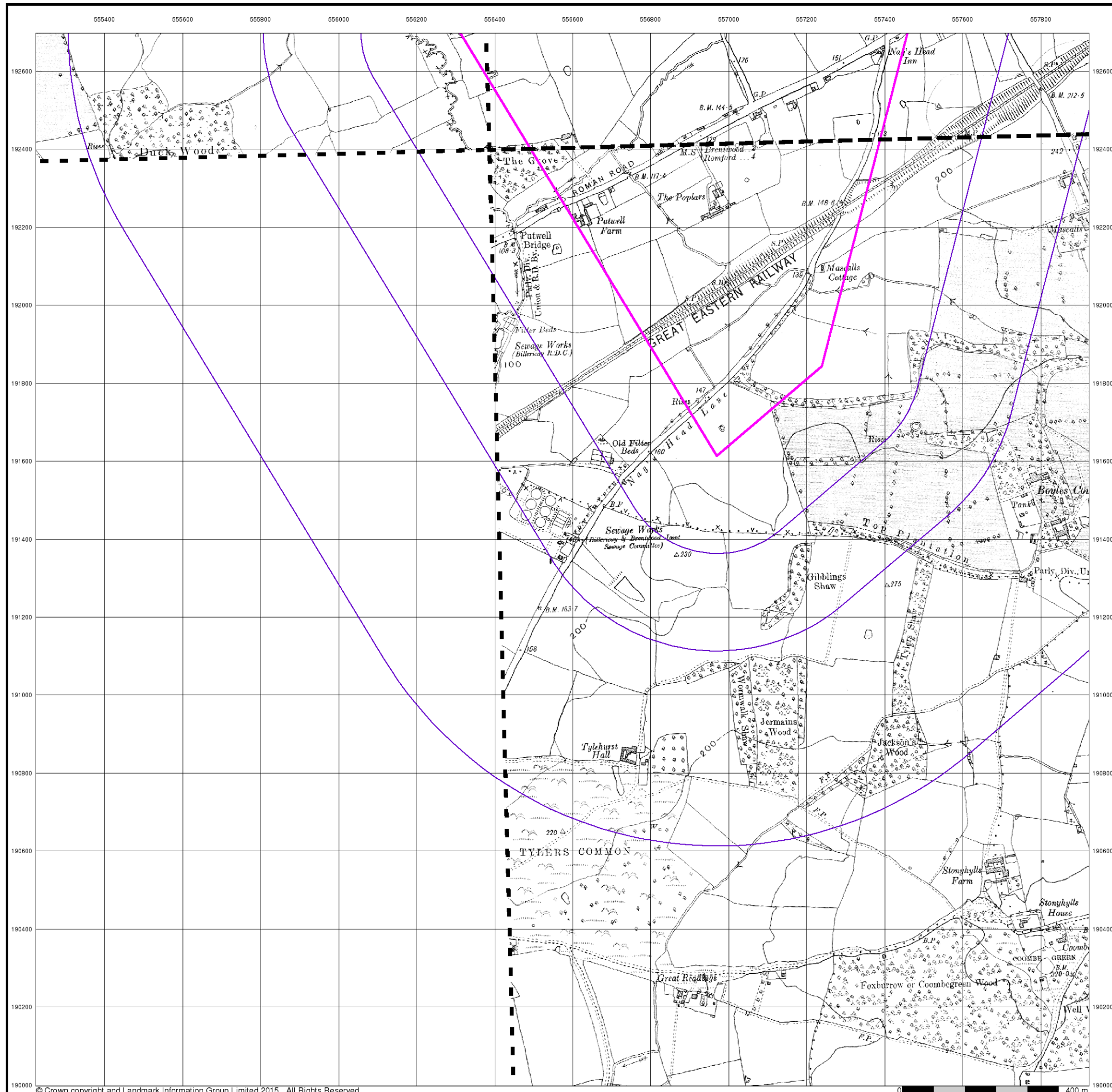


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## Essex

Published 1938

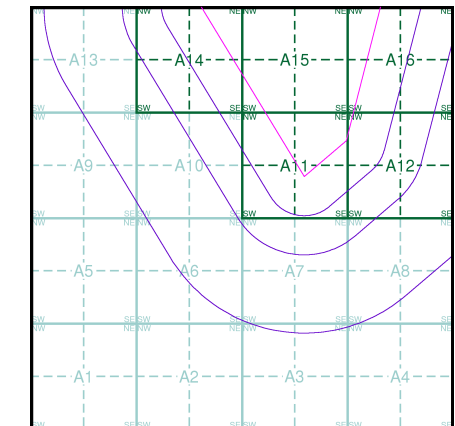
Source map scale - 1:10,560

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

### Map Name(s) and Date(s)

070SE 1938 1:10,560	071SW 1938 1:10,560
079NE 1938 1:10,560	080NW 1938 1:10,560

### Historical Map - Slice A

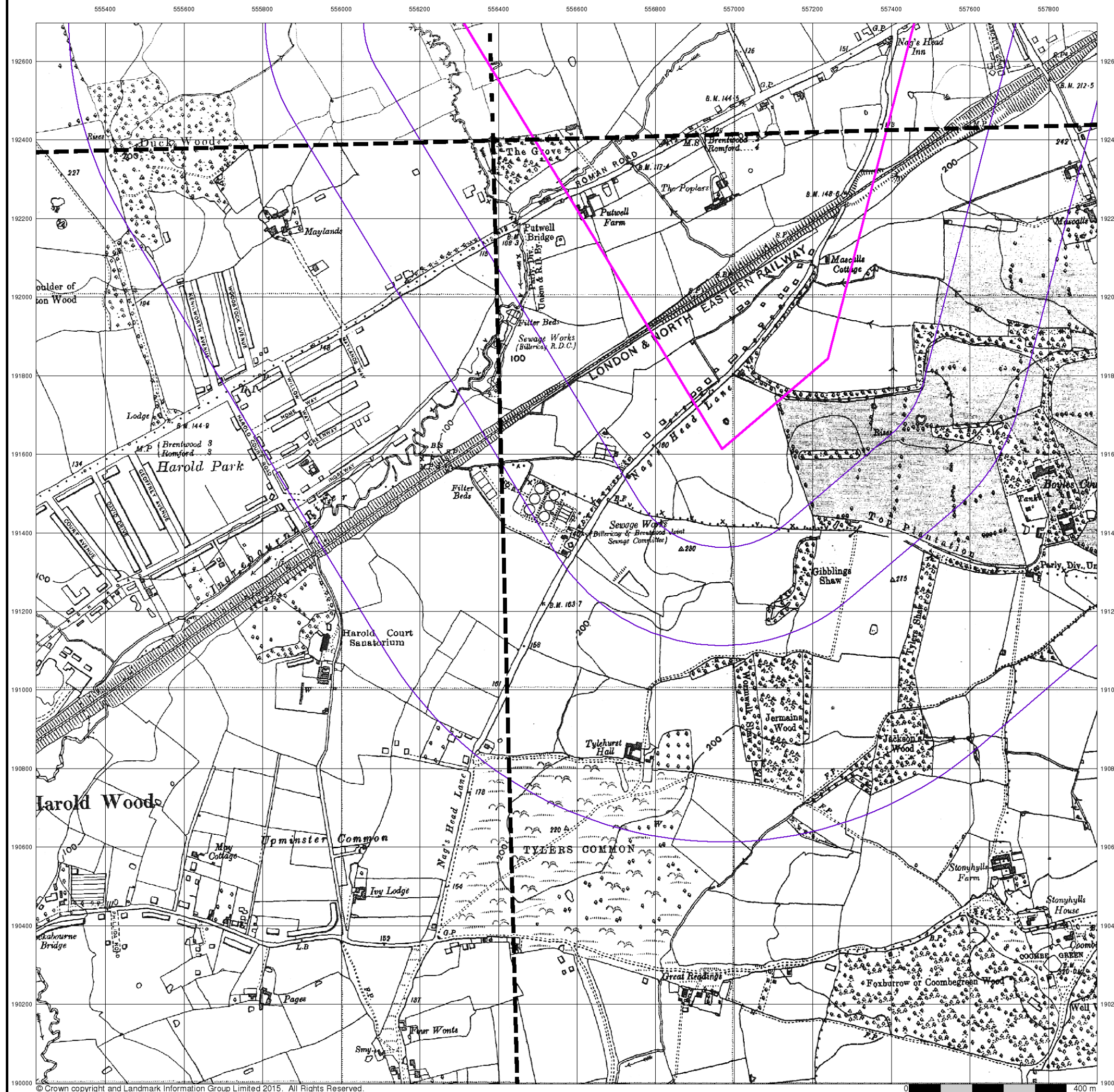


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex







## Historical Aerial Photography

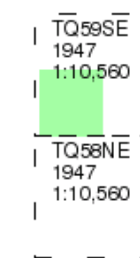
Published 1947

Source map scale - 1:10,560

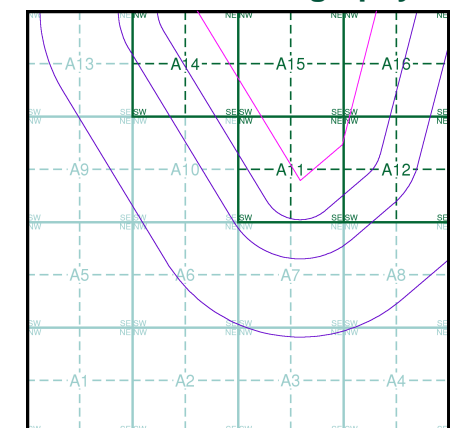
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

### Map Name(s) and Date(s)



### Historical Aerial Photography - Slice A



LIBRARY  
HS111RB

### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex



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



## Ordnance Survey Plan

Published 1961

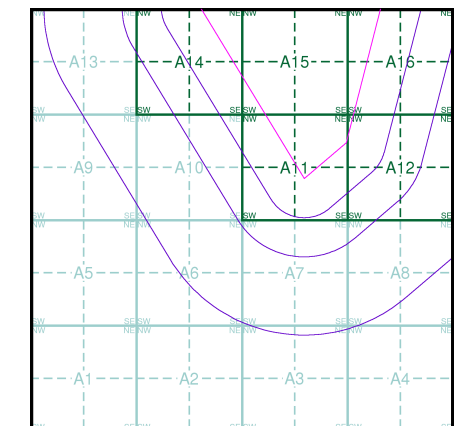
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	1961
1:10,560	
TQ58NE	1961
1:10,560	

## Historical Map - Slice A

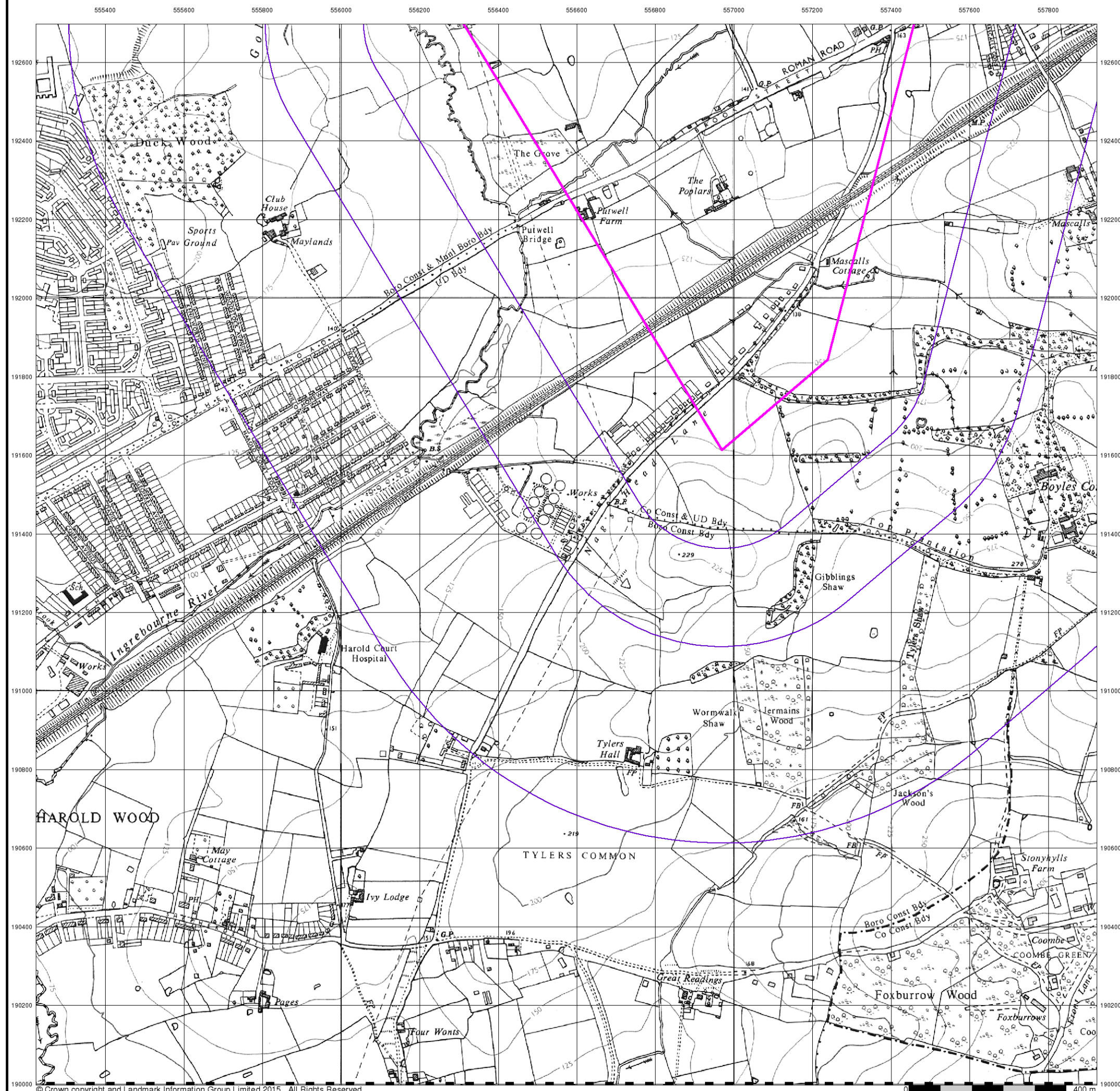


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1967

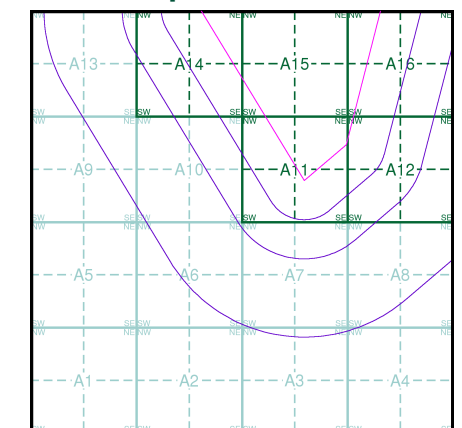
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	1967
1:10,560	
TQ58NE	1967
1:10,560	

## Historical Map - Slice A

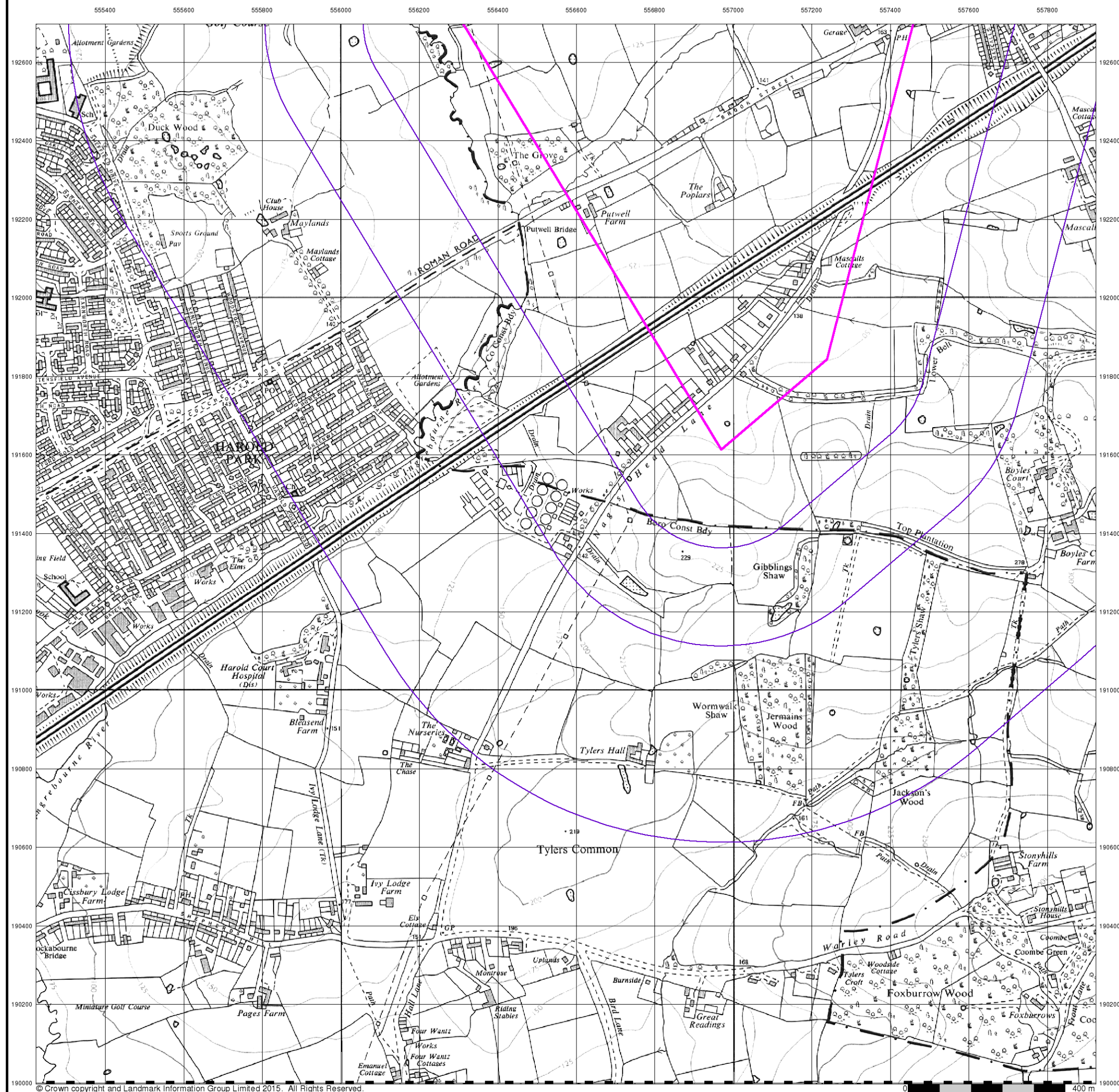


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1974 - 1977

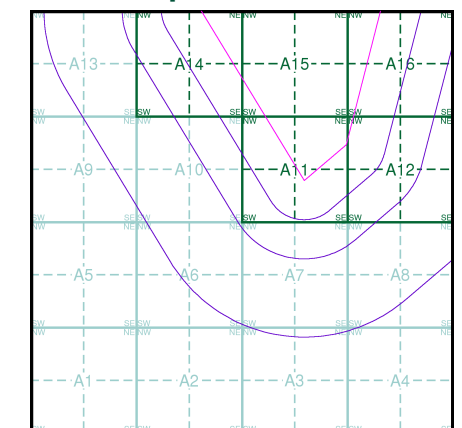
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	1974	1:10,000
TQ58NE	1977	1:10,000

## Historical Map - Slice A

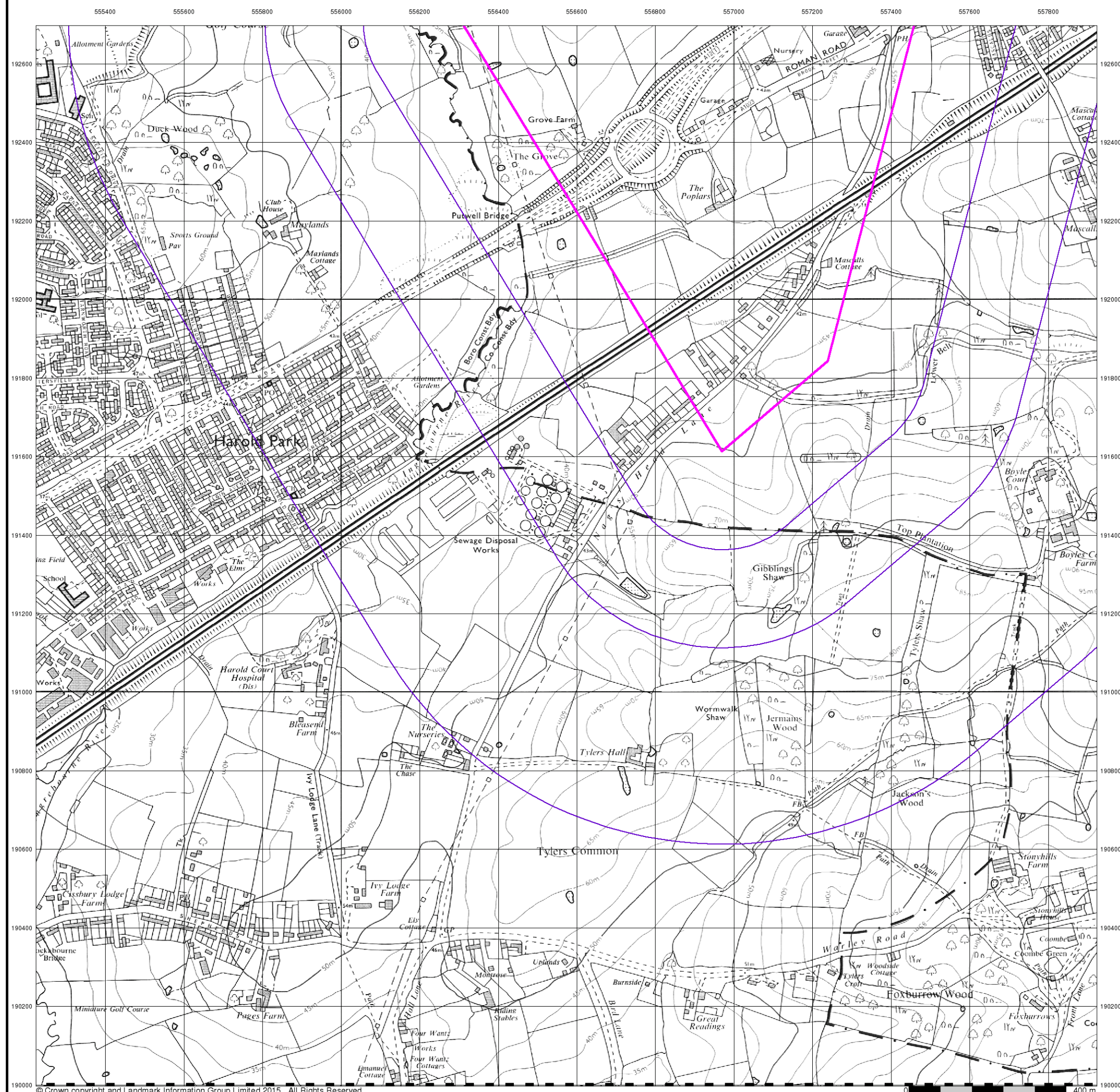


## Order Details

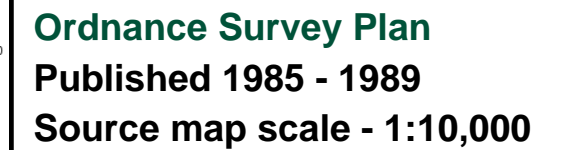
Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex







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

TQ59SE  
1985  
1:10,000

TQ58NE  
1989  
1:10,000



Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

Site at, Brentwood, Essex



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



London

Published 1985

Source map scale - 1:25,000

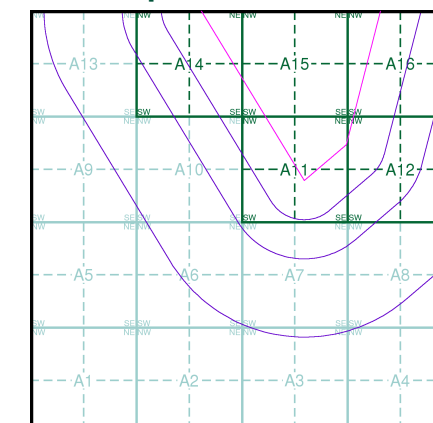
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

### Map Name(s) and Date(s)

TQ59  
1985  
1:25,000  
TQ58  
1985  
1:25,000

### Russian Map - Slice A

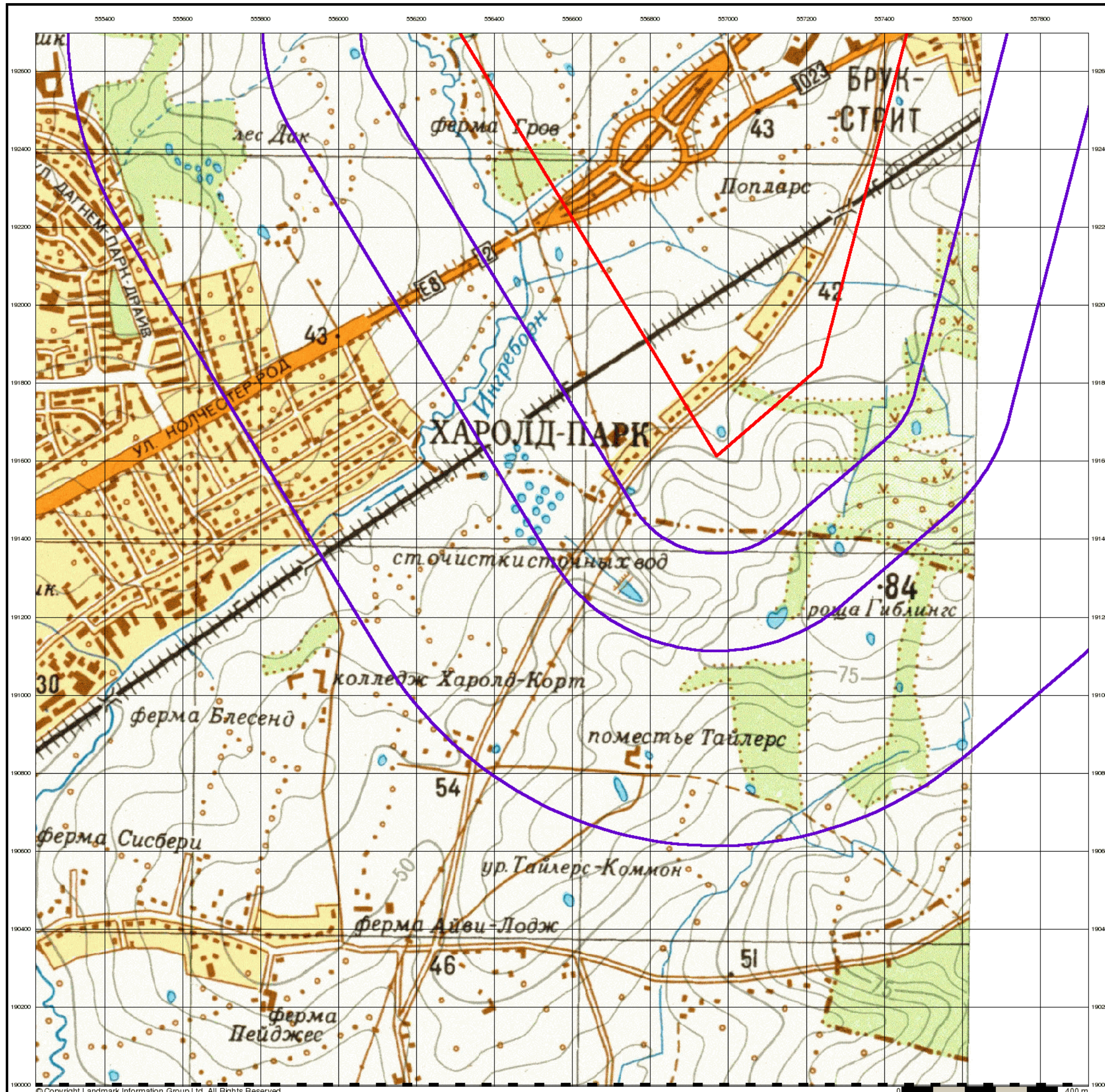


### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 1999

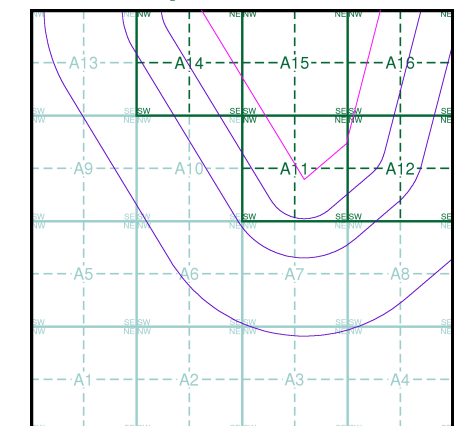
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59SE	1999	1:10,000
TQ58NE	1999	1:10,000

### Historical Map - Slice A

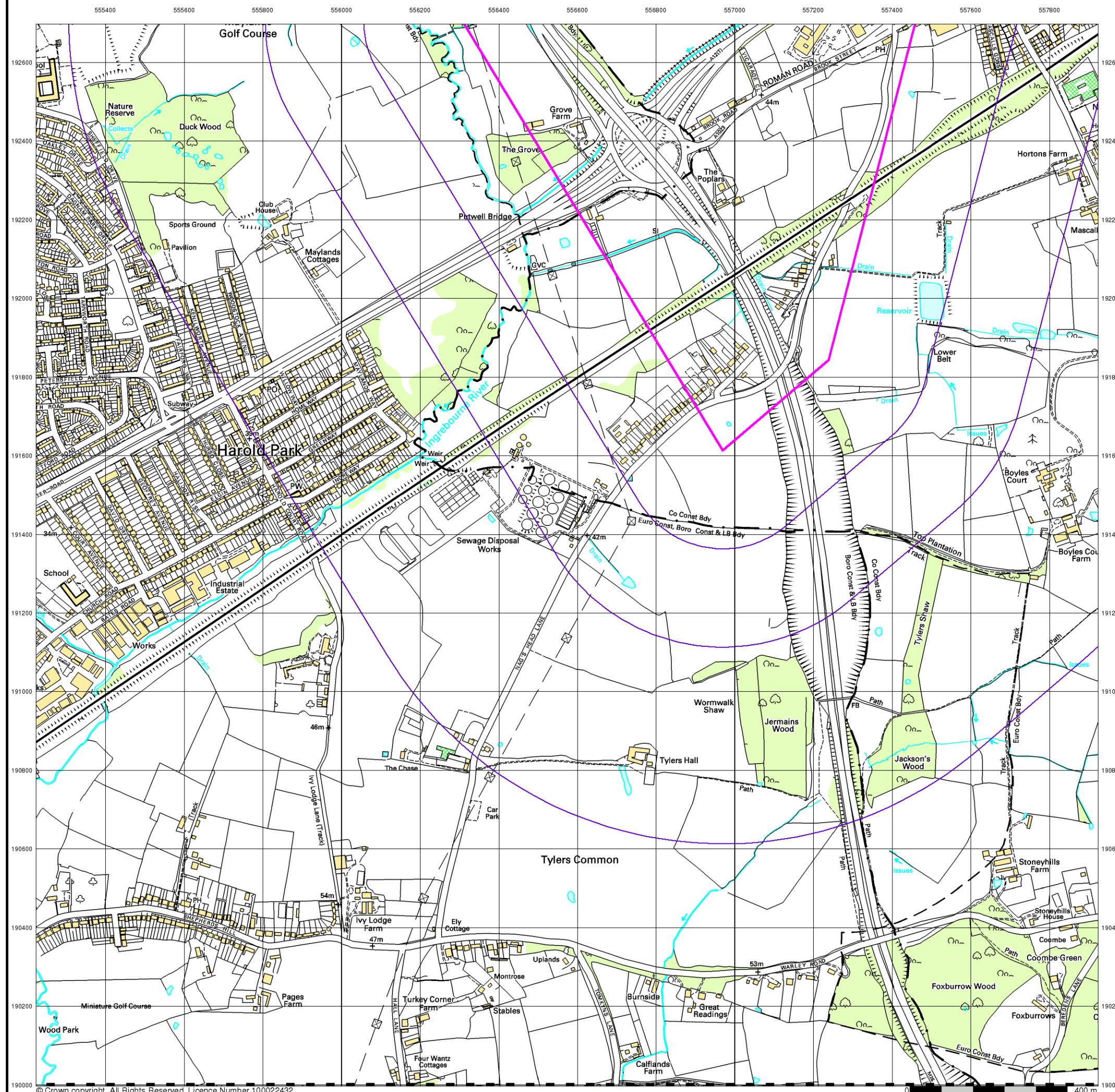


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 2006

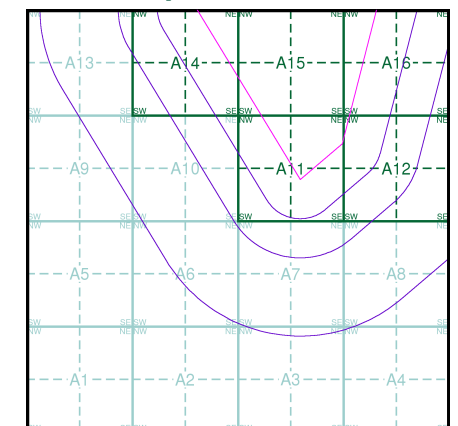
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59SE	2006	1:10,000
TQ58NE	2006	1:10,000

### Historical Map - Slice A

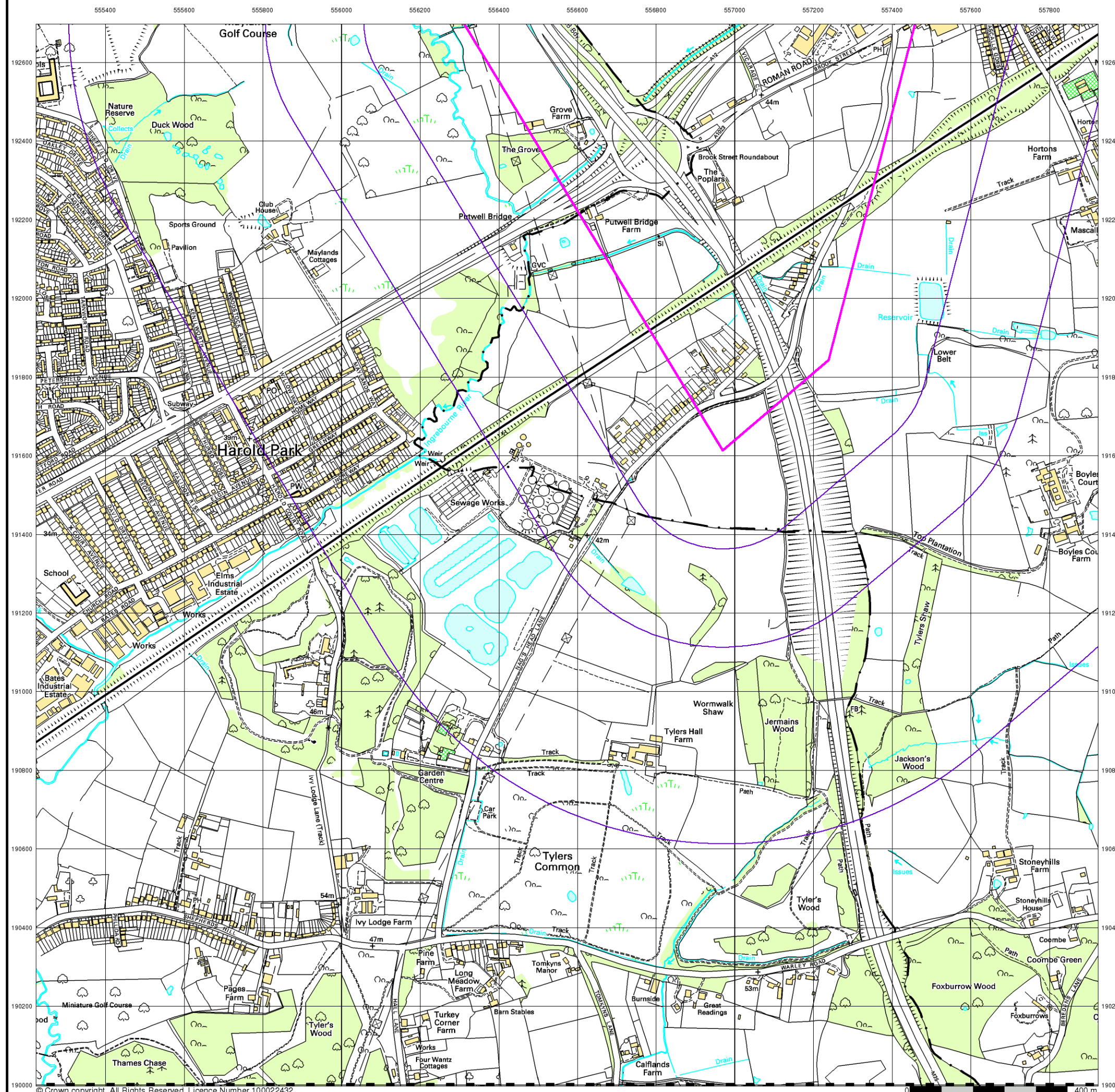


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556800, 191800  
 Slice: A  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## VectorMap Local

Published 2016

Source map scale - 1:10,000

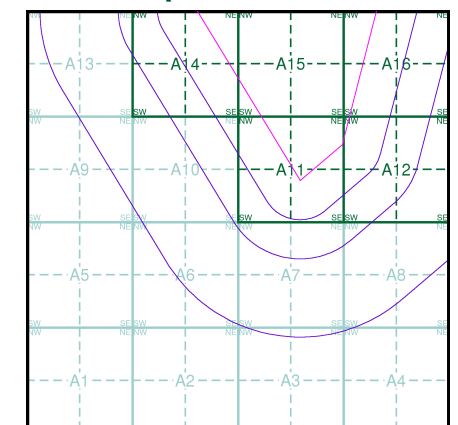
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap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

## Map Name(s) and Date(s)

TQ59SE  
2016  
Variable

TQ58NE  
2016  
Variable

## Historical Map - Slice A

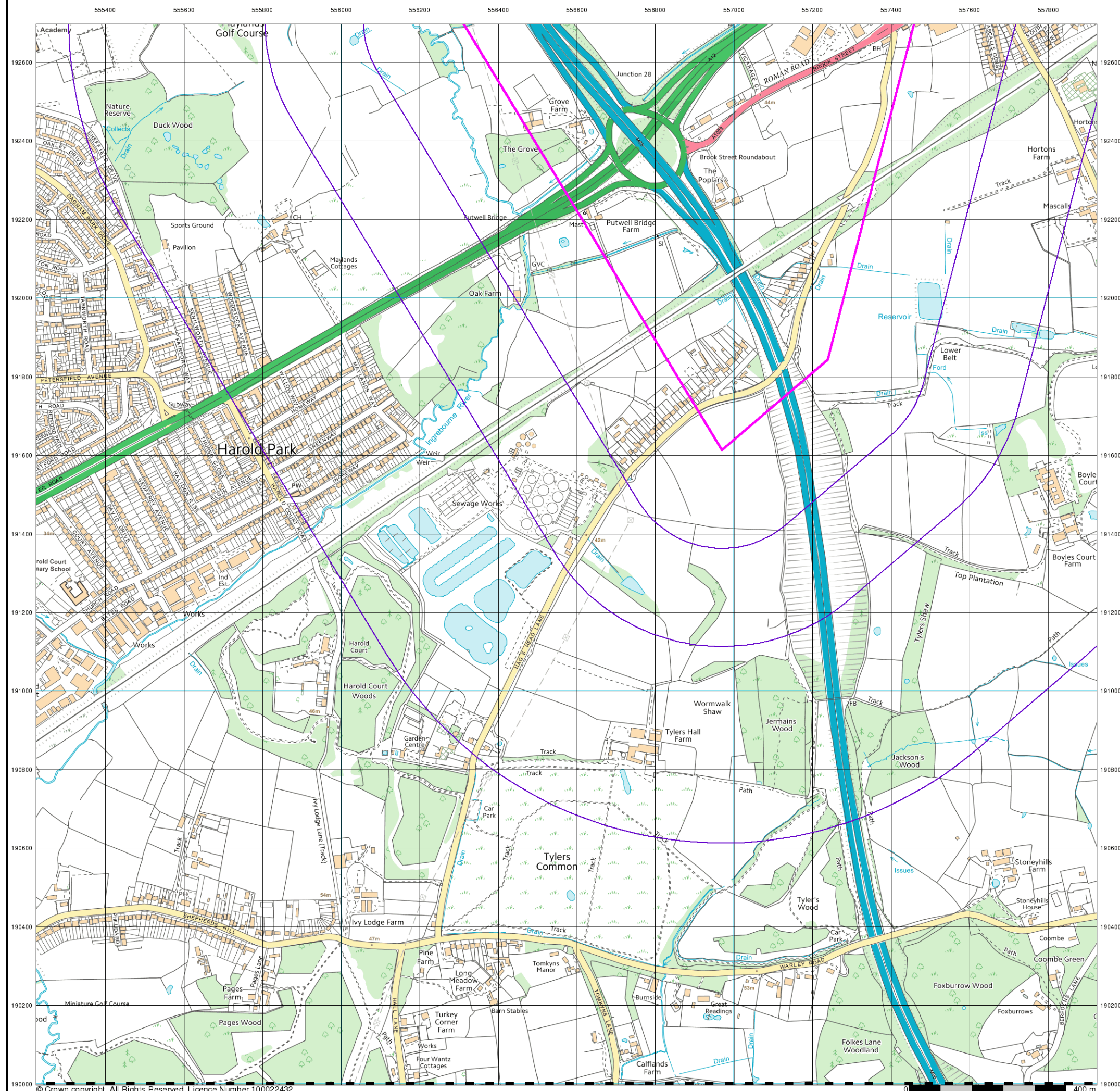


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556800, 191800  
Slice: A  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

88528679\_1\_1

**Customer Reference:**

RIS M25 J28

**National Grid Reference:**

558130, 192090

**Slice:**

B

**Site Area (Ha):**

98.11

**Search Buffer (m):**

1000

#### Site Details:

Site at  
Brentwood  
Essex

#### Client Details:

Ms T Radford  
Atkins Ltd  
The Wells  
3-13 Church Street  
Epsom  
Surrey  
KT17 4PF



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	7
Sensitive Land Use	8
Data Currency	9
Data Suppliers	15
Useful Contacts	16

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

#### Copyright Notice

© Landmark Information Group Limited 2016. 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.

#### 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.

#### Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto: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 information and data supplied in the product are 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.

#### Report Version v50.0

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 4	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 5	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 6	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines	pg 7	1			
Underground Electrical Cables					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 8				1
Areas of Adopted Green Belt	pg 8	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 8	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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	2	557450 192350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	0	2	557400 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	2	557350 192950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	2	557300 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	2	557400 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	2	557350 192250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	2	557400 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	2	557550 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	5	2	557450 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	53	2	557500 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	75	2	558127 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	83	2	558127 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13SW (SW)	116	2	558127 192089
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	145	2	557400 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	181	2	557500 191700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	186	2	557550 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	219	2	557600 191600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	224	2	557650 193150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	264	2	557550 191800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	325	2	557550 191650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	366	2	557600 191650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13SW (NW)	405	2	557950 192200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	435	2	557650 191600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	456	2	557800 192000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	470	2	557750 191750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	498	2	558050 192750
1	<b>Discharge Consents</b> Operator: Essex County Council Property Type: Arable Farming Location: Boyles Court Farm Dark Lane Great Warley Brentwood Essex Cm14 5ll Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Canm.0112 Permit Version: 1 Effective Date: 12th May 2000 Issued Date: 12th May 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ingrebourne Tributary <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	B9SW (S)	795	3	557930 191450
	<b>Nearest Surface Water Feature</b>	B9NW (SW)	589	-	557931 191896
	<b>Water Abstractions</b> Operator: Barking Havering & Brentwood Health Authority Licence Number: 08/37/55/0088 Permit Version: 100 Location: Warley Hospital, Brentwood - Borehole Authority: Environment Agency, Thames Region Abstraction: Hospitals: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 99 Yearly Rate (m3): 34841 Details: Warley Hospital, Warley Hill, Brentwood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th November 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B13SE (E)	1132	3	558500 192200
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	(SW)	0	3	557889 191897
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	(NW)	0	3	557356 193230
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	B13SW (SW)	0	2	558127 192089
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B9NW (SW)	0	2	557941 191879
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	B13SE (NE)	0	2	558311 192348

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
	<b>Detailed River Network Lines</b> None				
	<b>Detailed River Network Offline Drainage</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Brentwood District Council - Has supplied landfill data		0	4	558127 192089
	<b>Local Authority Landfill Coverage</b> Name: Essex County Council - Has supplied landfill data		0	5	558127 192089

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Thames Group	B13SW (SW)	0	2	558127 192089
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13SW (SW)	0	2	558127 192089
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13SE (NE)	0	2	558311 192348
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13SW (NW)	380	2	557944 192203
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13NW (N)	631	2	558148 192654
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	(SW)	790	2	557749 191215
	<b>BGS Measured Urban Soil Chemistry</b> No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	B13SW (E)	0	2	558200 192100
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SW (S)	0	2	558143 192036
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	0	2	557941 191879
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B13SW (S)	0	2	558143 192036
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B13SW (SW)	0	2	558127 192089



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<b>Gas Pipelines</b> Name: FM18 - Stapleford Tawney to Tilbury Thames North Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity: 78 Distance (m): Status: Active Pipe Length (m): 34584.4 Pipe Number: Feeder 18	(W)	0	7	557456 192225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<b>Ancient Woodland</b> Name: Jacksons Wood Reference: 1119481 Area(m <sup>2</sup> ): 43682.81 Type: Ancient and Semi-Natural Woodland	(SW)	538	8	557531 191334
4	<b>Areas of Adopted Green Belt</b> Authority: Brentwood Borough Council Plan Name: Brentwood Replacement Local Plan <b>Status:</b> <b>Adopted</b> Plan Date: 25th August 2005	B13SW (SW)	0	4	558127 192089
5	<b>Areas of Adopted Green Belt</b> Authority: London Borough of Havering, Planning Department Plan Name: Development Control Policies <b>Status:</b> <b>Adopted</b> Plan Date: 22nd October 2008	(SW)	195	9	557307 191405
6	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B13SW (SW)	0	10	558127 192089

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Brentwood Borough Council - Environmental Health Department Thurrock Borough Council - Environmental Health Department London Borough of Havering - Environmental Health Department	March 2014 November 2013 September 2013	Annual Rolling Update Annually Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 February 2015 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 February 2015 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 February 2015 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	September 1999 September 1999	Not Applicable Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region Environment Agency - Thames Region	January 2016 January 2016	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	May 2016 May 2016	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Brentwood Borough Council Essex County Council London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Brentwood Borough Council London Borough of Havering - Environmental Health Department Thurrock Borough Council - Environmental Health Department Essex County Council	June 2003 May 2000 May 2000 November 2004	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Anglian Region - Eastern Area	June 2015 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Thurrock Borough Council - Development Control Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	December 2015 February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Thurrock Borough Council - Development Control Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	December 2015 February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	June 2016	Quarterly
<b>Points of Interest - Education and Health</b> PointX	June 2016	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	June 2016	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	June 2016	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	June 2016	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually

<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Adopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department Thurrock Borough Council - Development Control	May 2016 May 2016 May 2016	As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department Thurrock Borough Council - Development Control	November 201 November 201 November 201	As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	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	 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> 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
2	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	<b>Brentwood Borough Council</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200352 Website: www.brentwood-council.gov.uk
5	<b>Essex County Council</b> County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: www.essexcc.gov.uk
6	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	<b>London Borough of Havering - Planning Department</b> Mercury House, Mercury Gardens, Romford, Essex, RM1 3RX	Telephone: 01708 434343 Planning Fax: 01708 772696 Website: www.havering.gov.uk
10	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
11	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

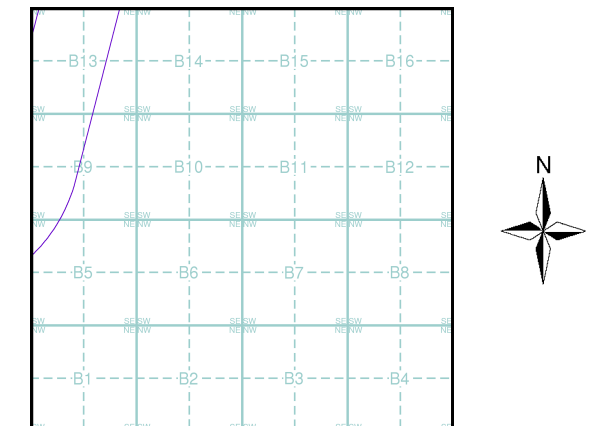
## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Ordnance Survey Plan	1:10,000	1960 - 1961	8
Ordnance Survey Plan	1:10,000	1967 - 1969	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Ordnance Survey Plan	1:10,000	1985 - 1989	11
London	1:25,000	1985	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	1999	14
Historical Aerial Photography	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2016	17

## Historical Map - Slice B



## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex

Russian Military Mapping Legends

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

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings    Military and Industrial Buildings

Military and Communication Areas    Subway Entrance

Fireproof Building    Prominent Fireproof Building

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

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

Power Station, drawn to scale    Hydroelectric Power Station

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

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

Pit    Oil Deposit or Well    Oil Seepage

Tailings Pile    Fuel Storage Tanks    Natural Gas Tank

Bench Mark    Drill Hole    Burial Mound    Triangulation Point on Burial Mound

Single-track Railroad    Double-track Railroad and Station Building

Coniferous Forest    Deciduous Forest    Mixed Forest

Lawns    Citrus Orchard    Wet Ground    Scattered Vegetation

243.8    Values for prominent elevations

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

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

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

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

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings    Military and Industrial Buildings

Military and Communication Areas    Subway Entrance

Partly Demolished Buildings    Demolished Buildings

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

Individual Fireproof Building    Prominent Industrial Building

Individual Dwelling, Fireproof    Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark    Bench Mark (monumented)    Telegraph Office    Telephone Station

Radio Station    Radio Tower    Airfield or Seaplane Base    Landing Strip

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

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

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

Well    Water Reservoir or Rain Water Pit    Spring    Isobath with value

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

Coniferous    Deciduous    Mixed    Scrub

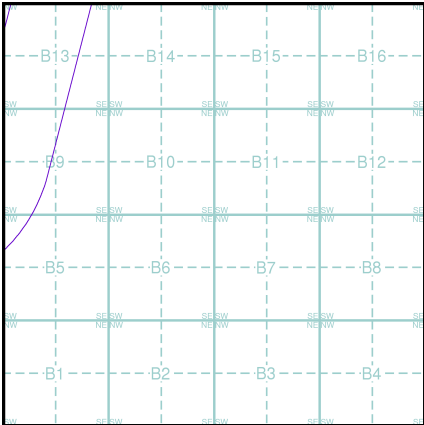
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1947	7
Ordnance Survey Plan	1:10,000	1960 - 1961	8
Ordnance Survey Plan	1:10,000	1967 - 1969	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Ordnance Survey Plan	1:10,000	1985 - 1989	11
London	1:25,000	1985	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	1999	14
Historical Aerial Photography	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2016	17

Russian Map - Slice B



Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

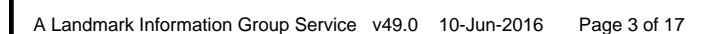
Site Details

Site at, Brentwood, Essex

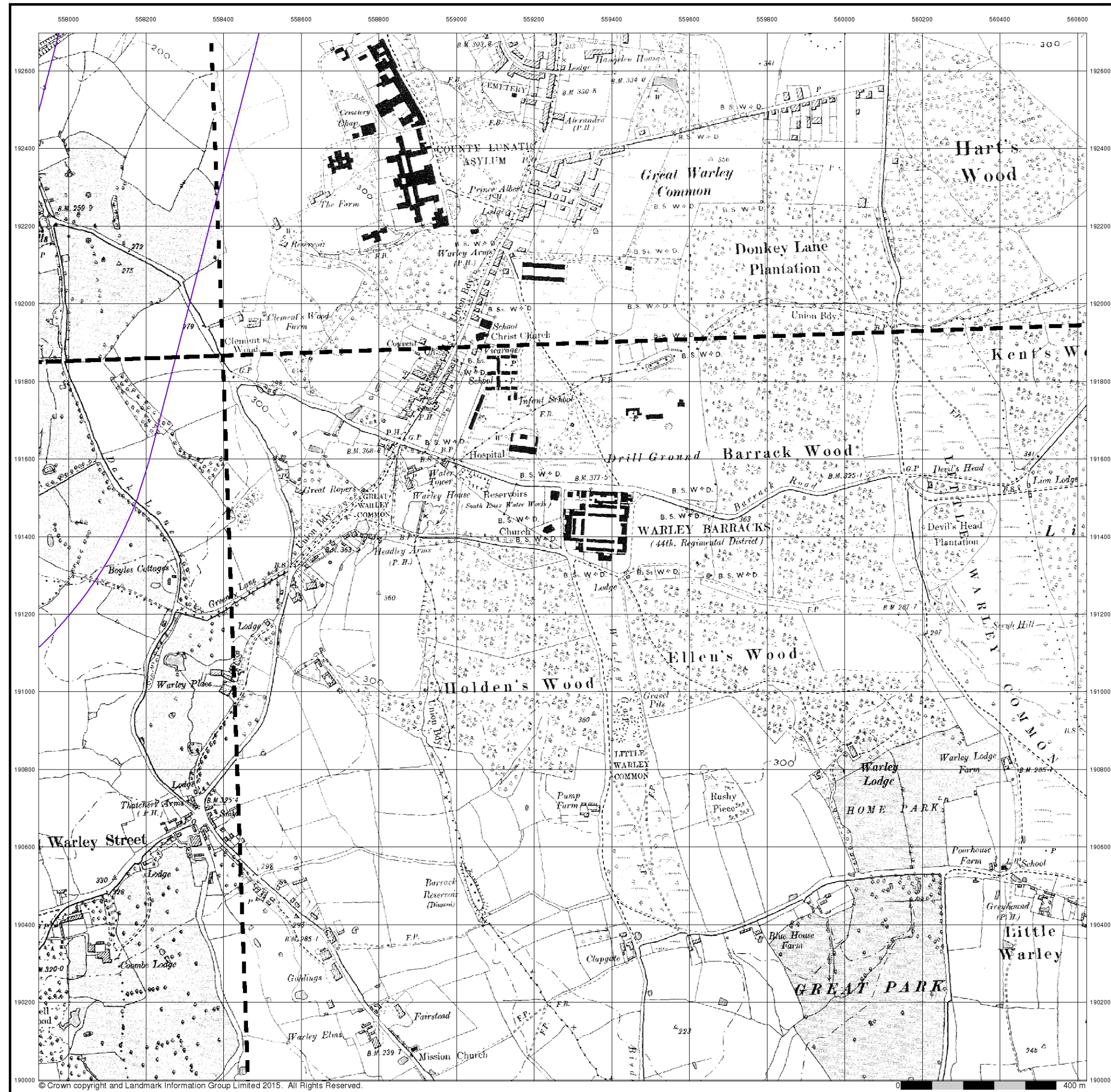


Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk





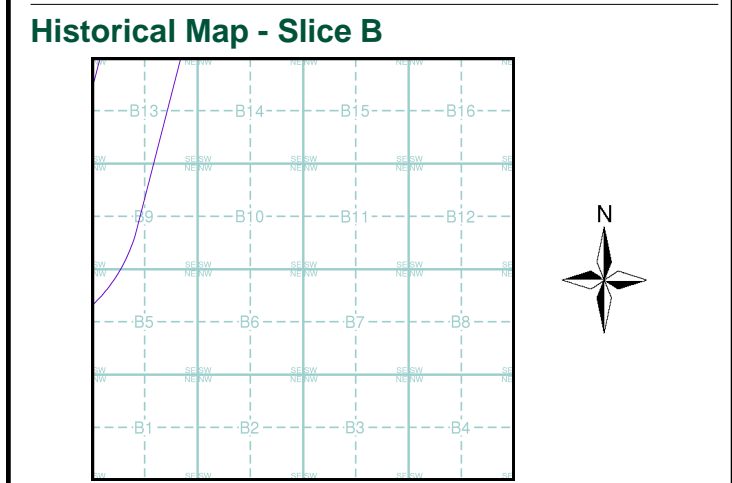




**Essex**  
**Published 1898**  
**Source map scale - 1:10,560**

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

Map Name(s) and Date(s)			
067NW 1898 1:10,560	067NE 1898 1:10,560		
067SW 1898 1:10,560	067SE 1898 1:10,560		

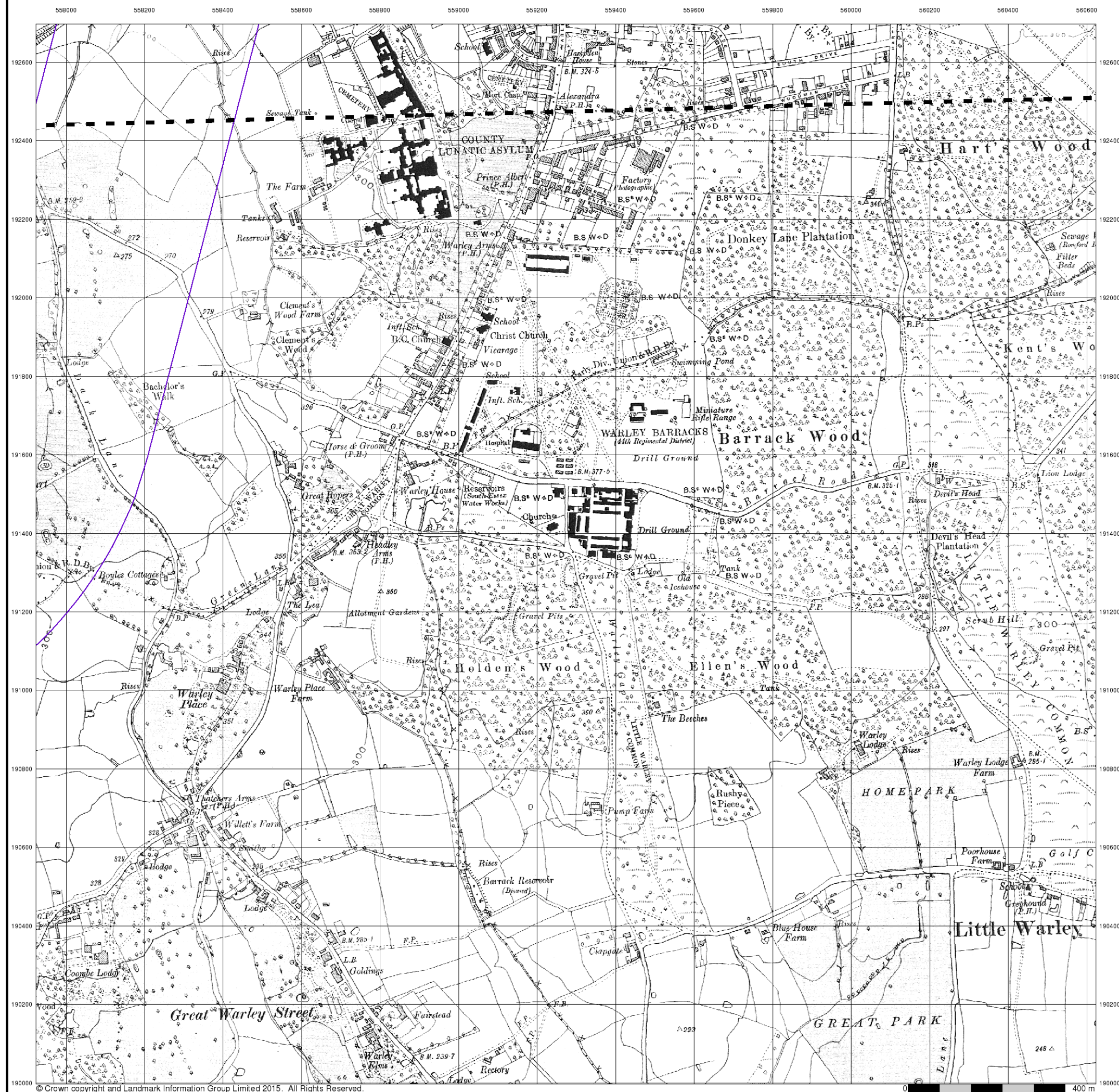
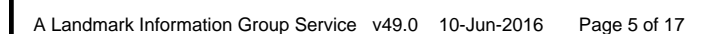


**Order Details**  
Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

**Site Details**  
Site at, Brentwood, Essex









## Essex

Published 1938

Source map scale - 1:10,560

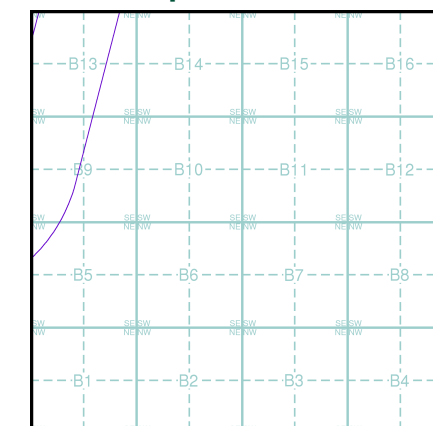
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

## Map Name(s) and Date(s)

071SW  
1938  
1:10,560

080NW  
1938  
1:10,560

## Historical Map - Slice B

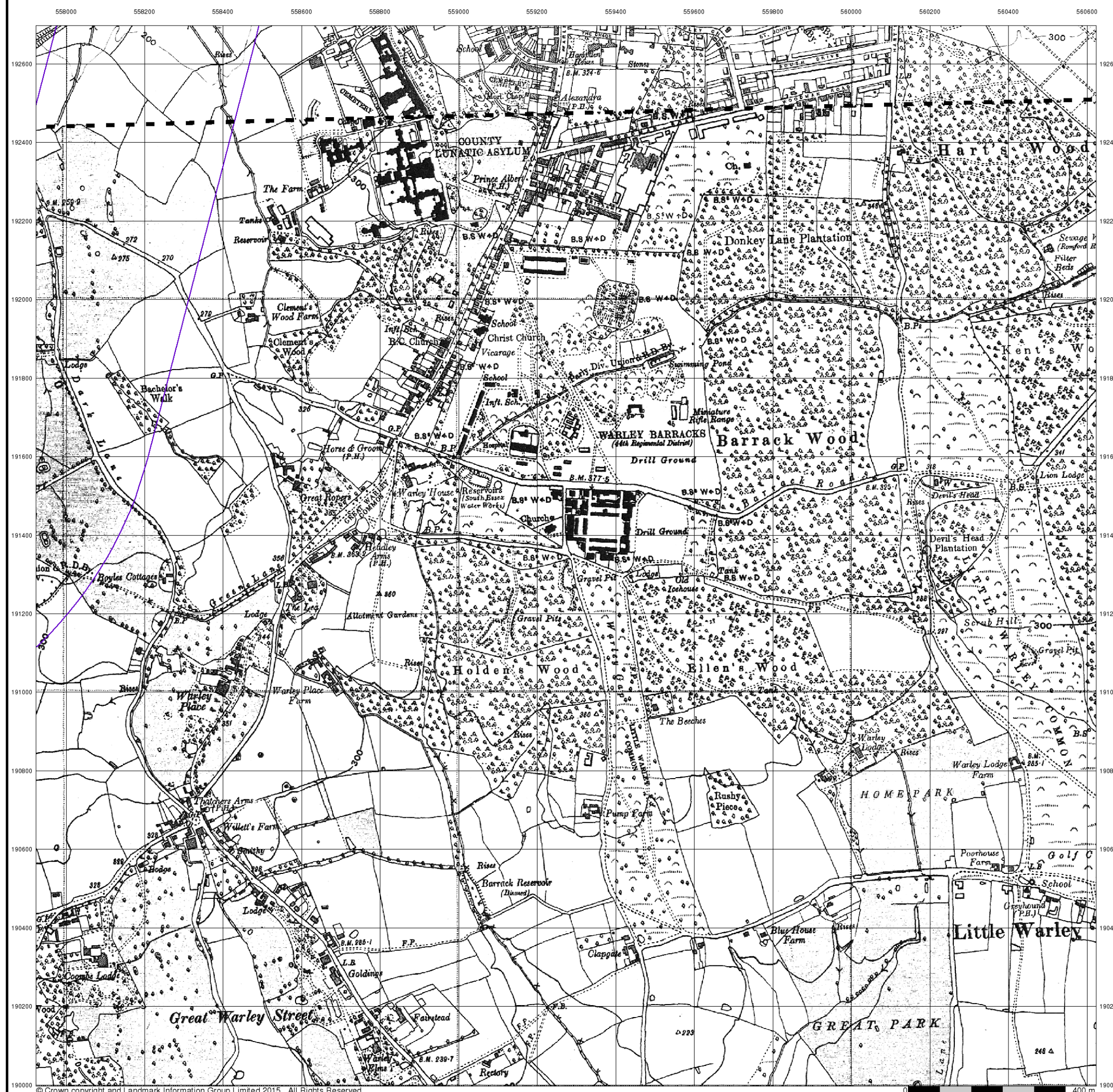


## Order Details

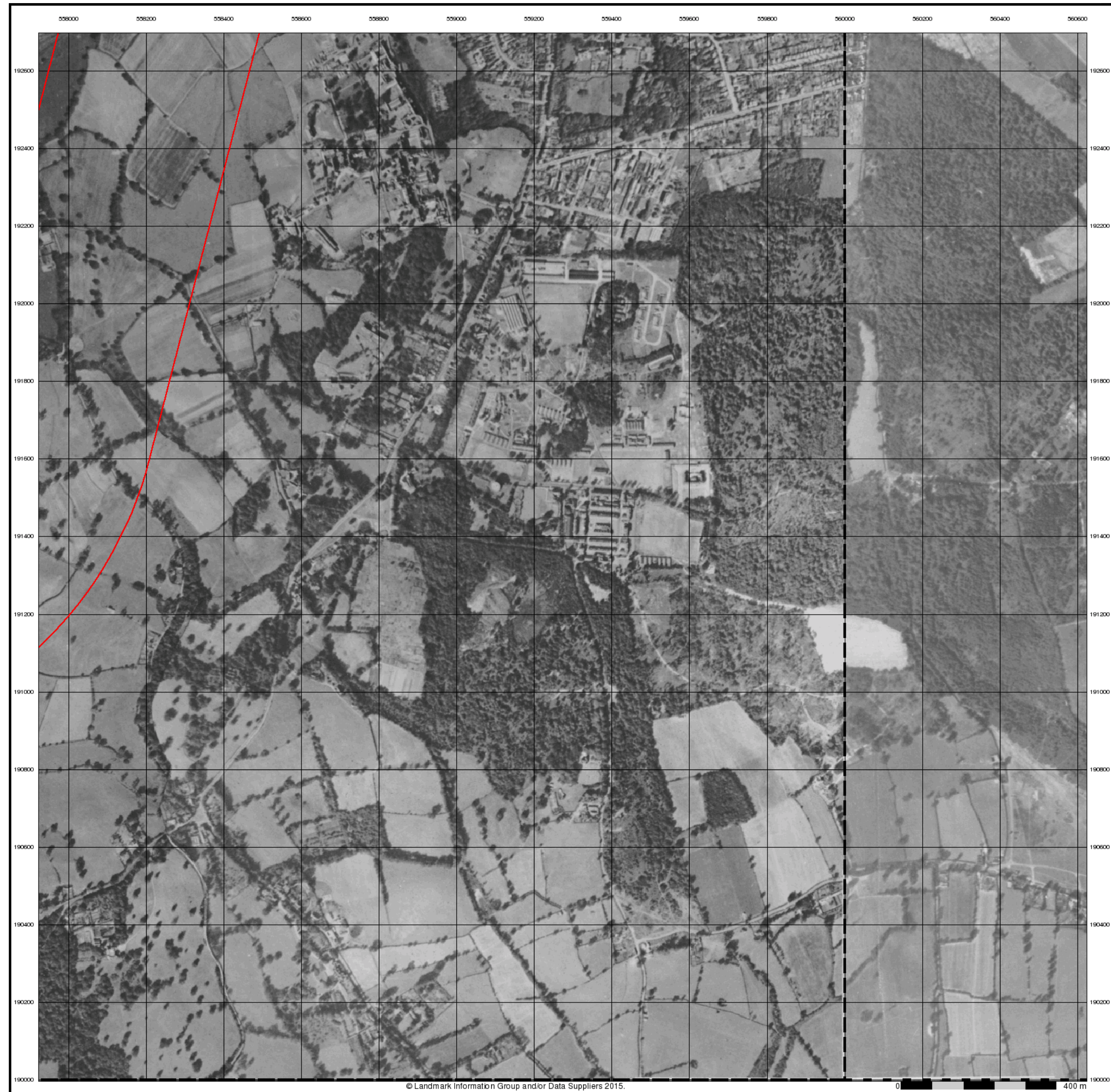
Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex







## Historical Aerial Photography

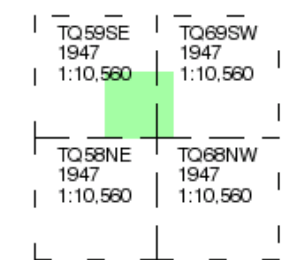
Published 1947

Source map scale - 1:10,560

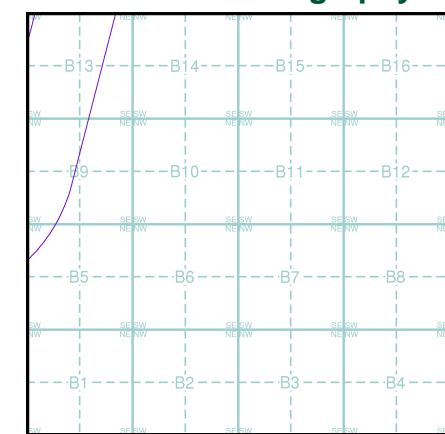
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

### Map Name(s) and Date(s)



### Historical Aerial Photography - Slice B



### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



## Ordnance Survey Plan

Published 1960 - 1961

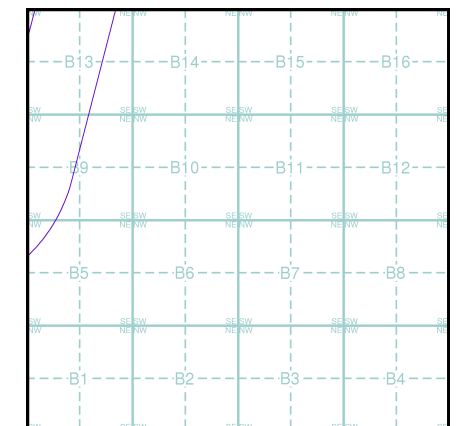
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	TQ69SW
1961	1960
1:10,560	1:10,560
TQ58NE	TQ68NW
1961	1960
1:10,560	1:10,560

## Historical Map - Slice B

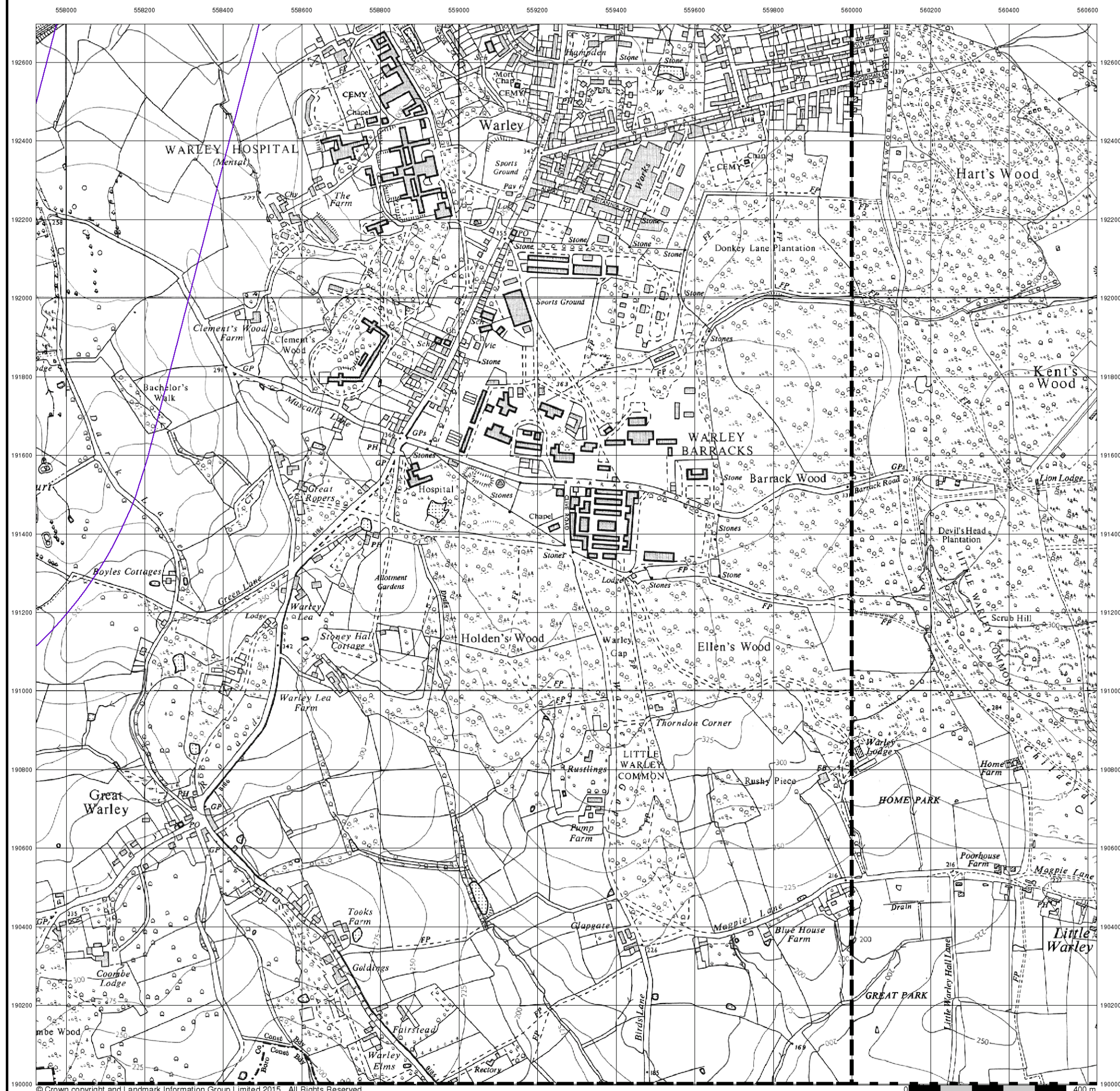


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1967 - 1969

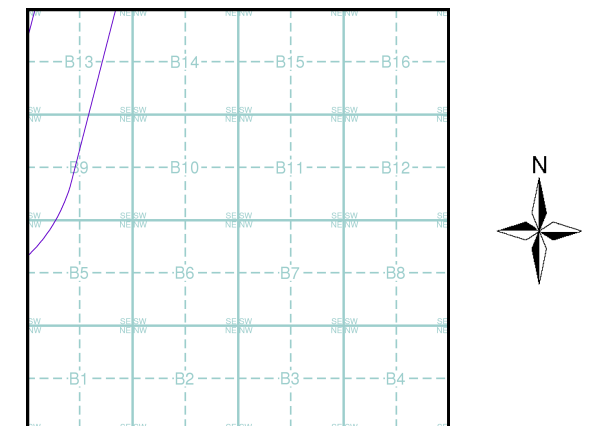
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	TQ69SW
1967	1969
1:10,560	1:10,560
TQ58NE	
1967	
1:10,560	

## Historical Map - Slice B

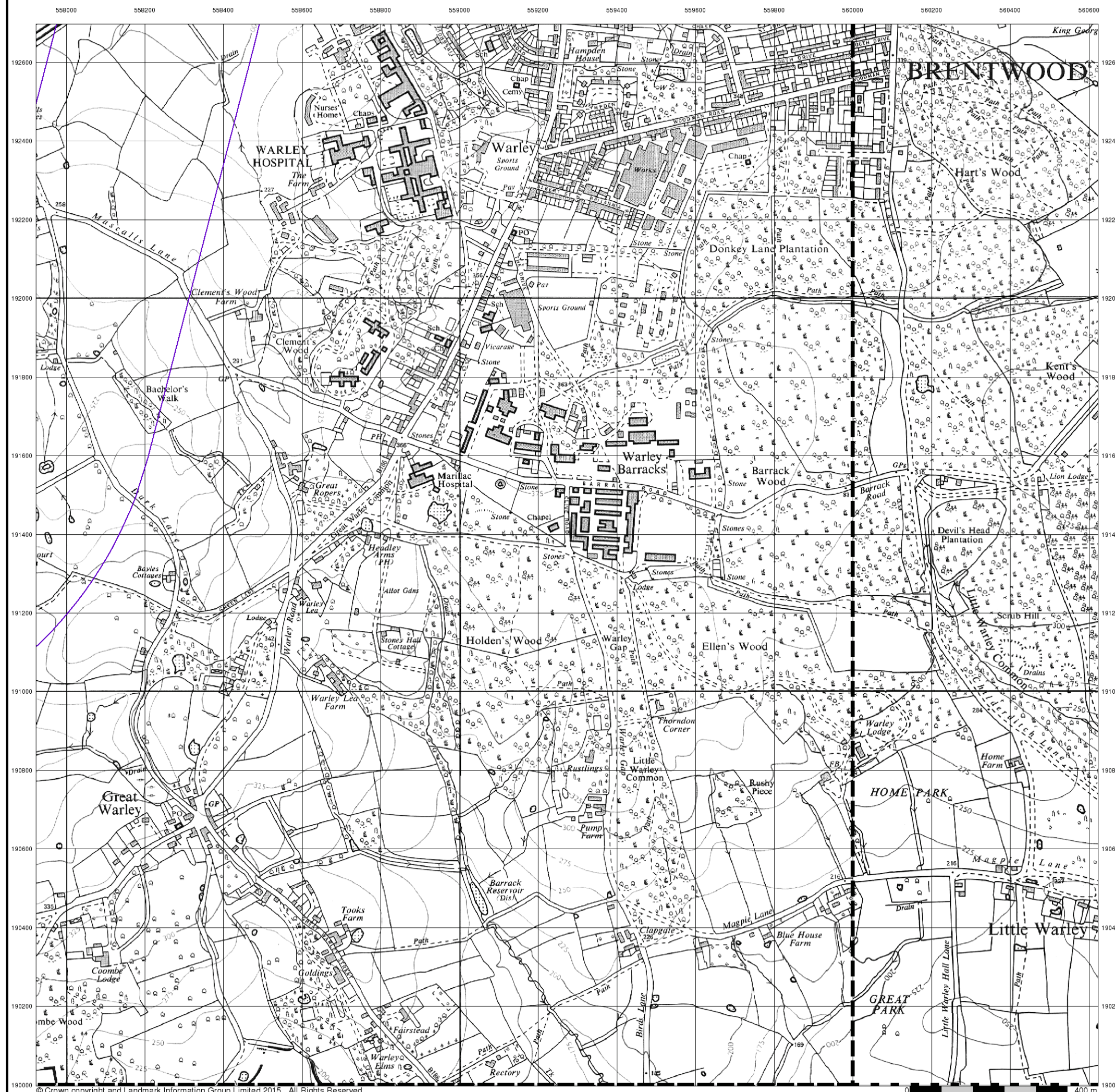


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1974 - 1977

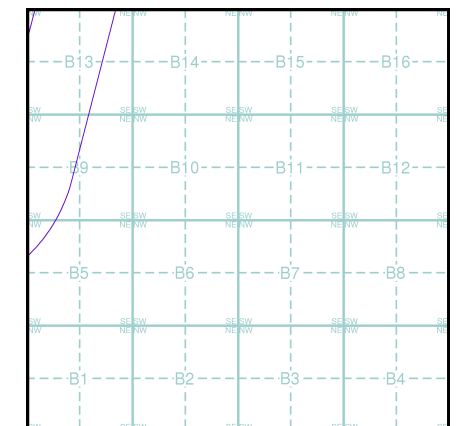
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE	TQ69SW
1974	1977
1:10,000	1:10,000
TQ58NE	TQ68NW
1977	1977
1:10,000	1:10,000

## Historical Map - Slice B

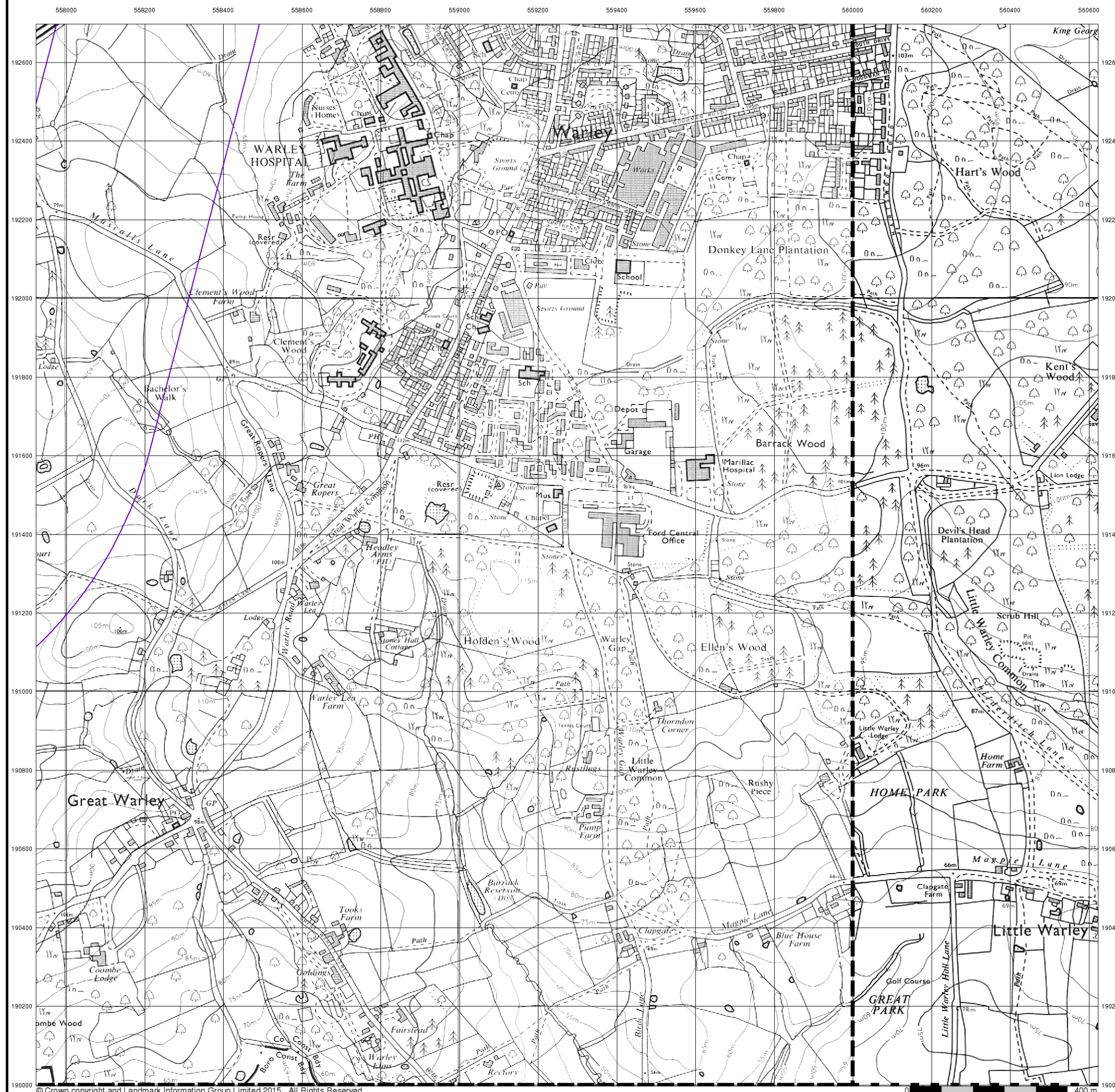


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1985 - 1989

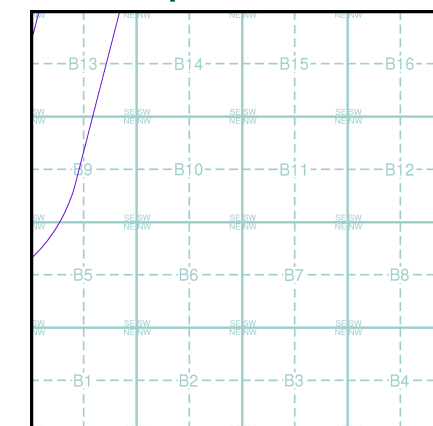
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59SE	1985	1:10,000
TQ58NE	1989	1:10,000

### Historical Map - Slice B

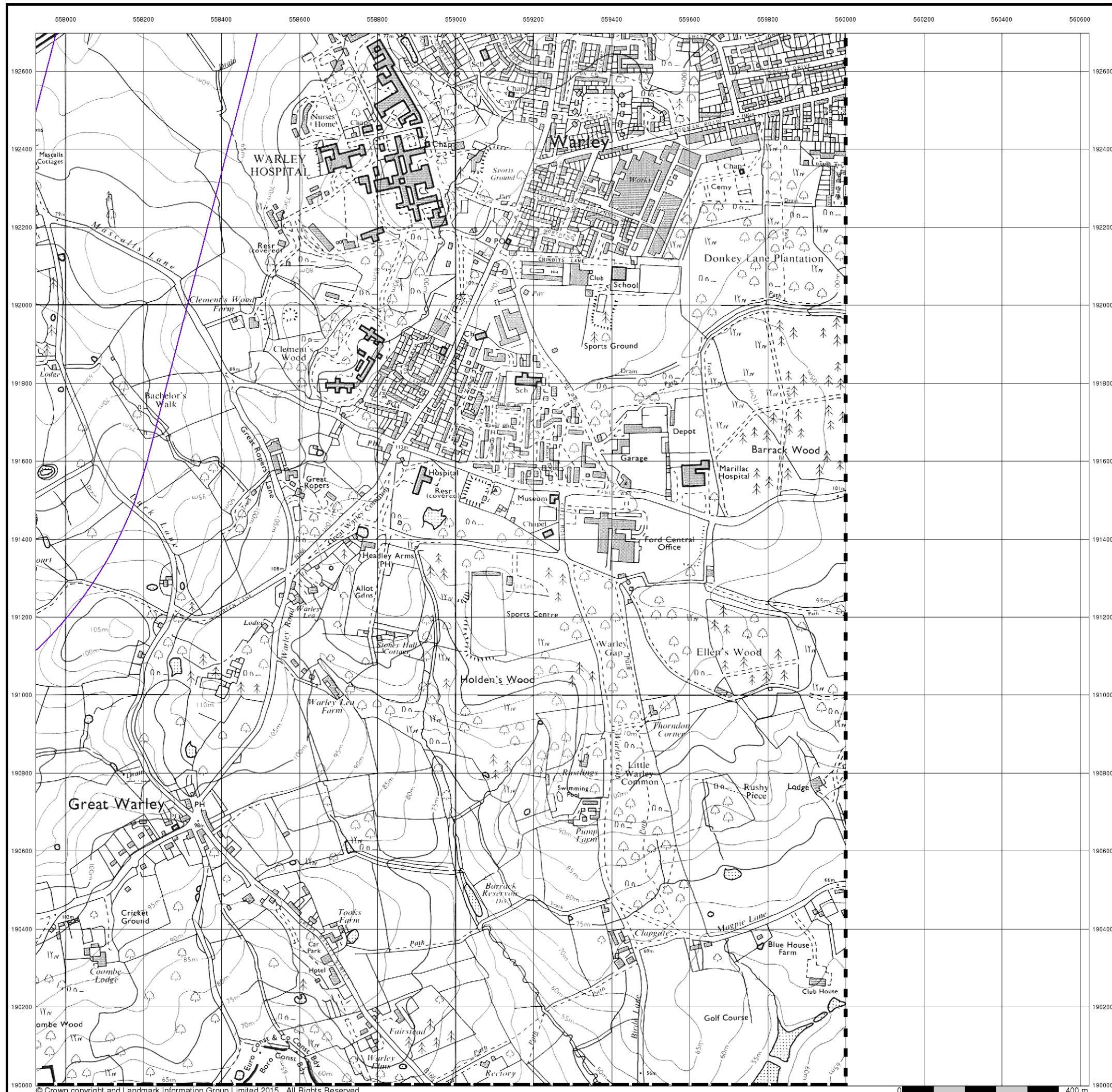


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





London

Published 1985

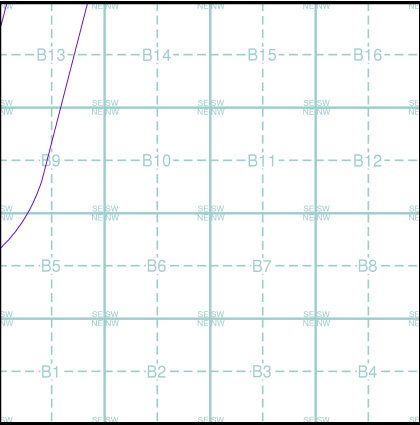
Source map scale - 1:25,000

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

Map Name(s) and Date(s)

TQ59  
1985  
1:25,000  
TQ58  
1985  
1:25,000

Russian Map - Slice B



Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

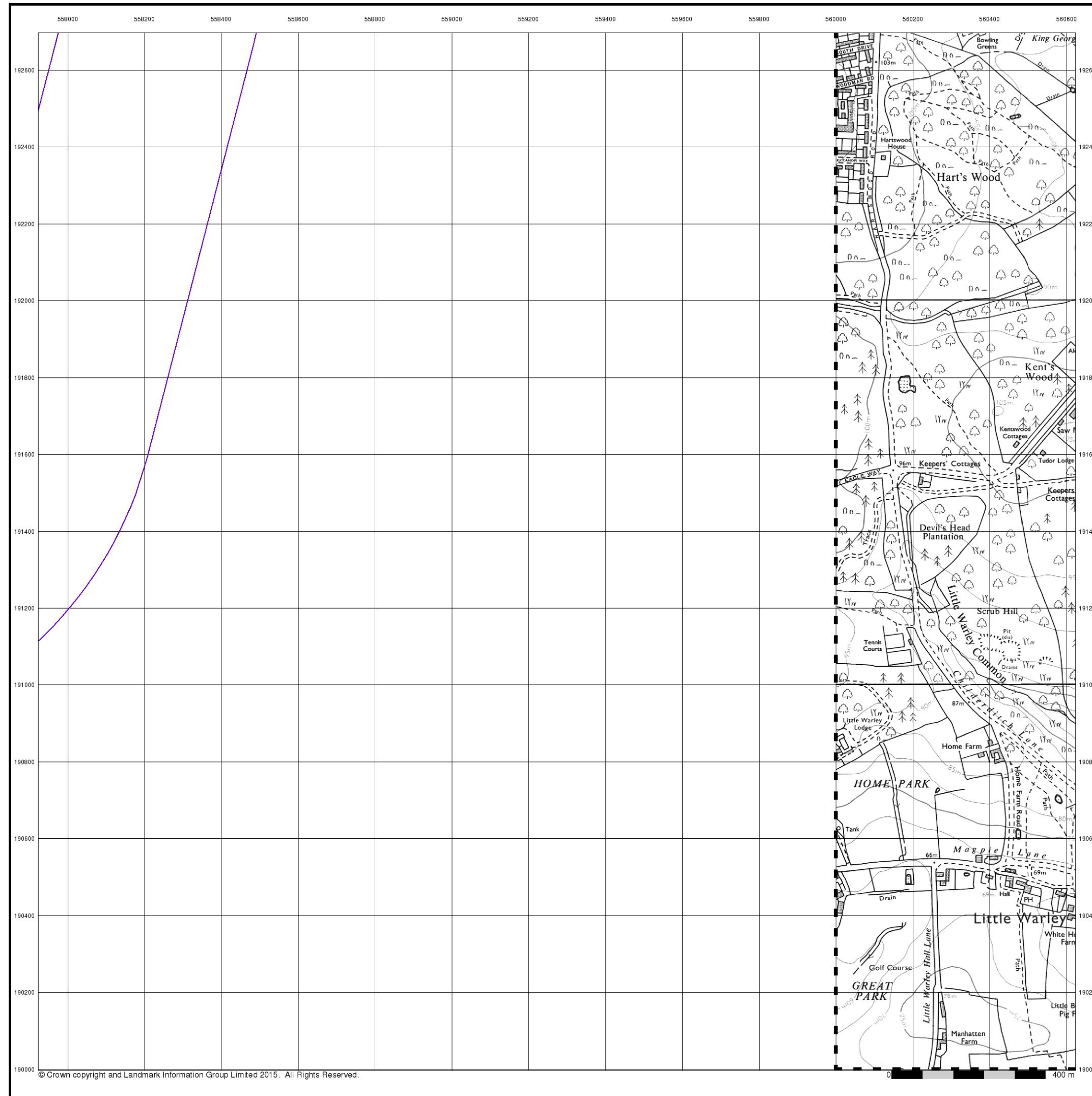
Site Details

Site at, Brentwood, Essex



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

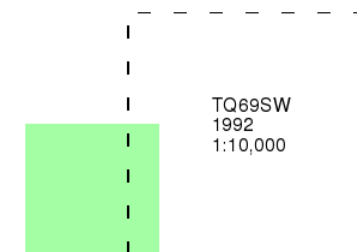




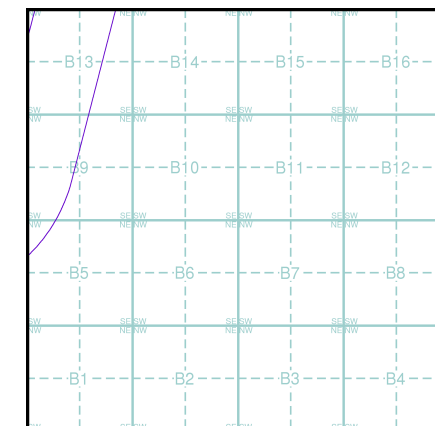
**Ordnance Survey Plan**  
**Published 1992**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice B**



**Order Details**

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558130, 192090  
Slice: B  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

**Site Details**

Site at, Brentwood, Essex



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



## 10k Raster Mapping

Published 1999

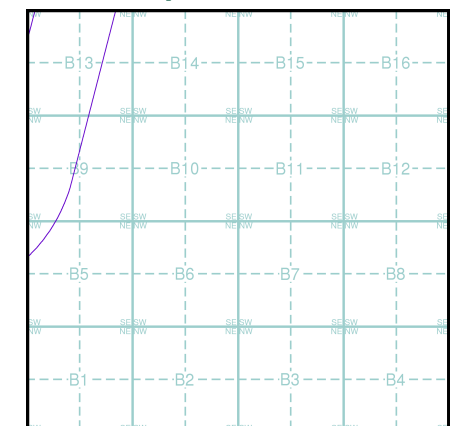
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59SE 1999 1:10,000	TQ69SW 1999 1:10,000
TQ58NE 1999 1:10,000	TQ68NW 1999 1:10,000

### Historical Map - Slice B

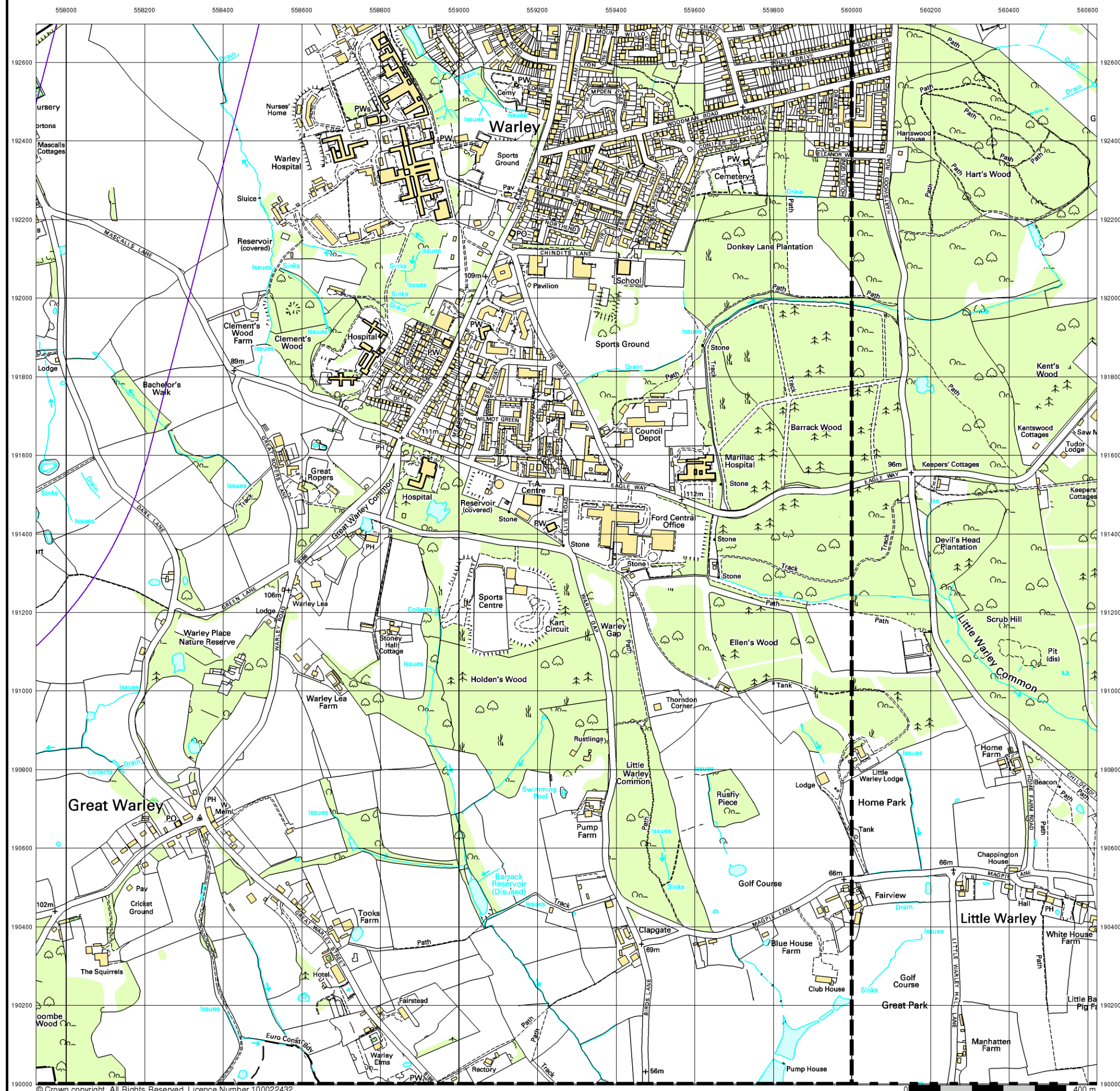


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 2006

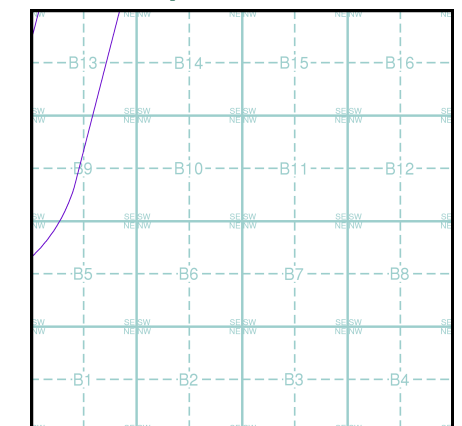
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE 2006 1:10,000	TQ69SW 2006 1:10,000
TQ58NE 2006 1:10,000	TQ68NW 2006 1:10,000

## Historical Map - Slice B

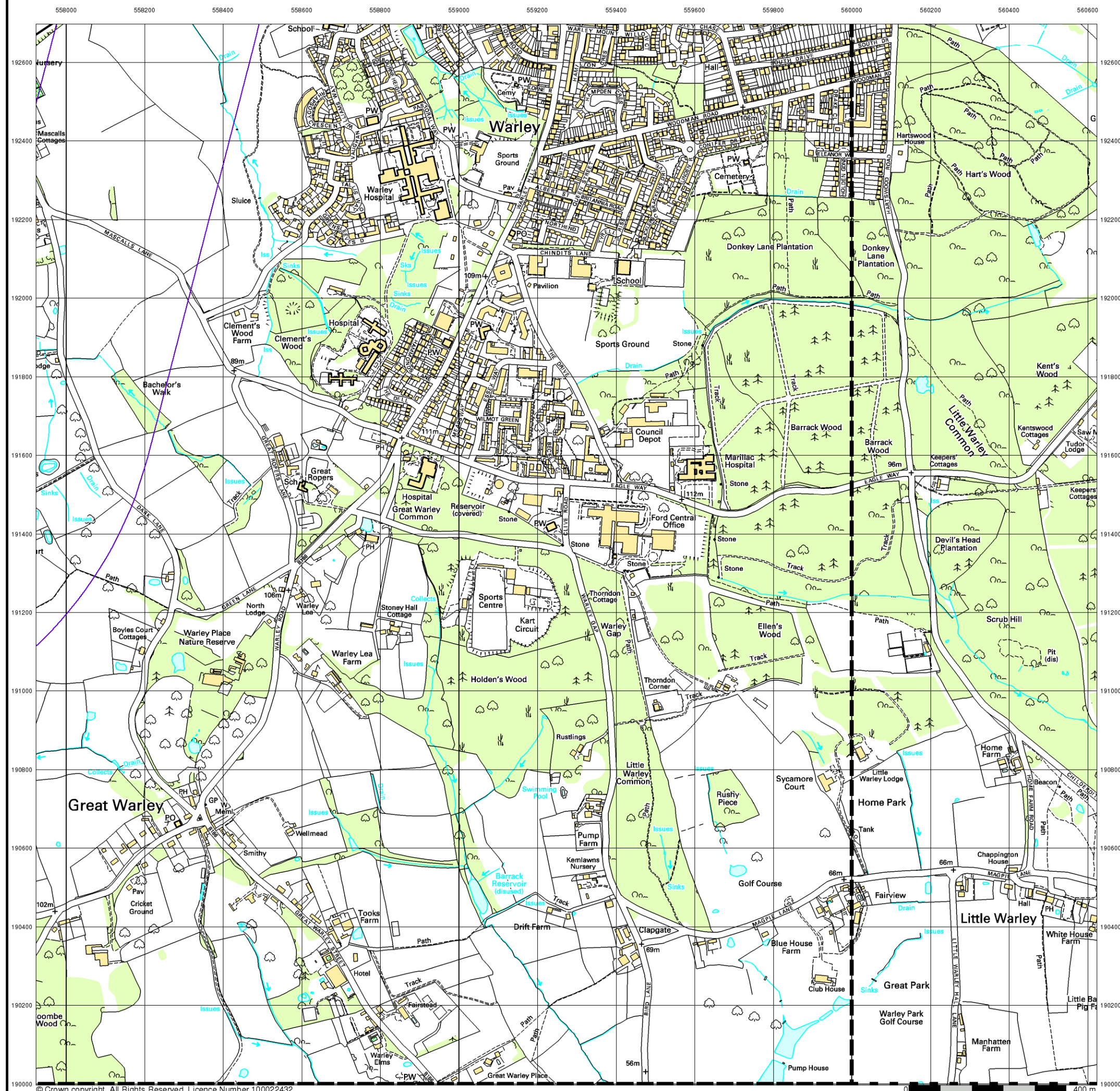


## Order Details

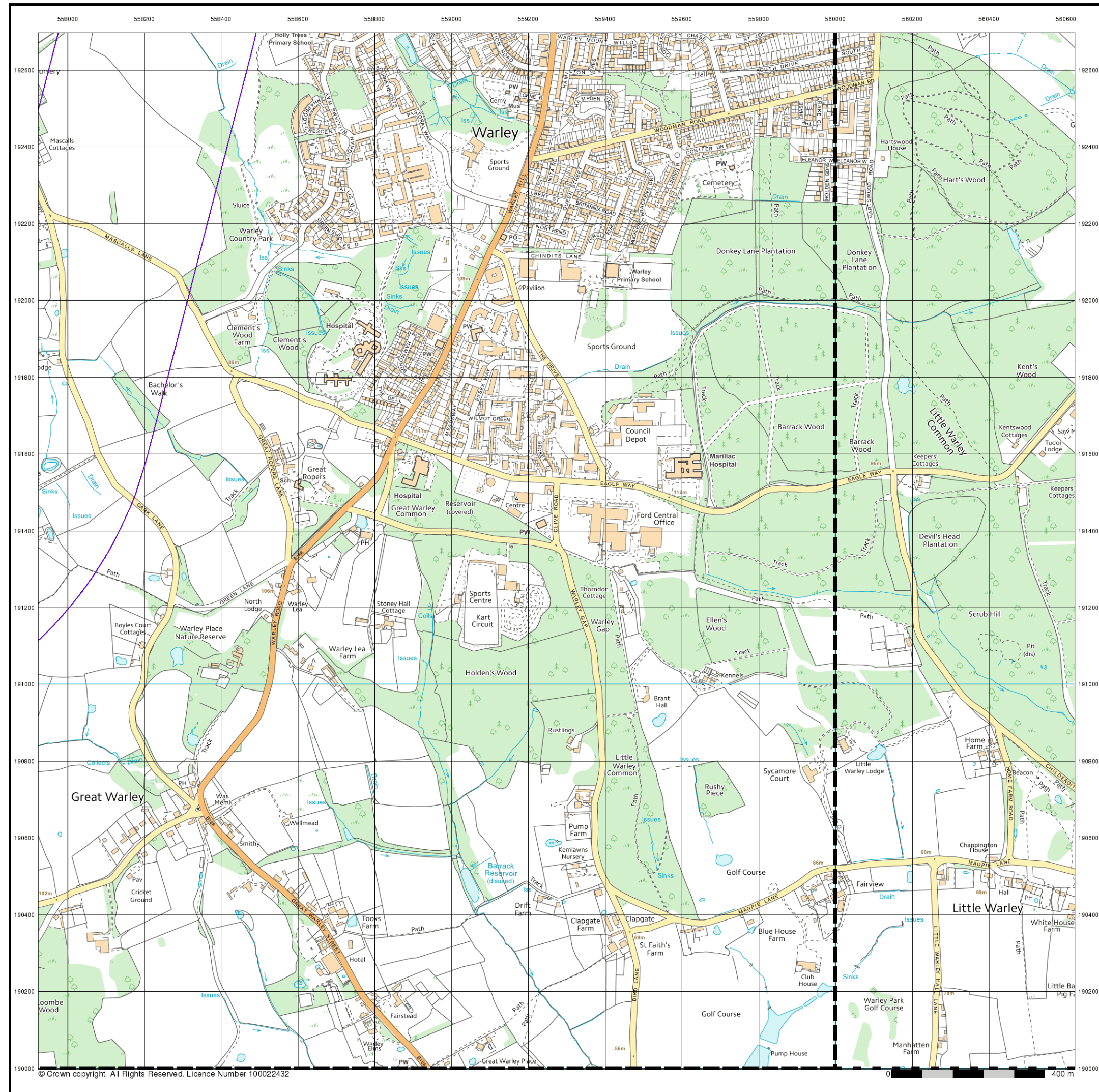
Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558130, 192090  
 Slice: B  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex







# VectorMap Local

Published 2016

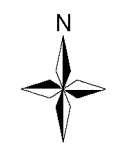
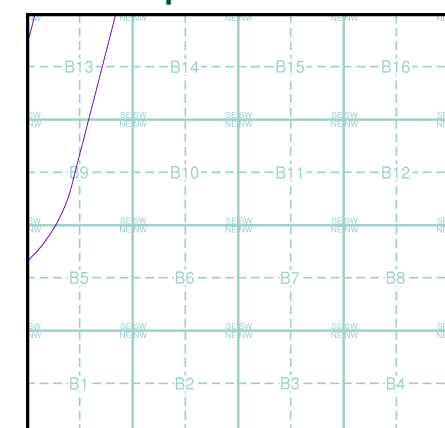
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59SE 2016 Variable	TQ69SW 2016 Variable
TQ58NE 2016 Variable	TQ68NW 2016 Variable

## Historical Map - Slice B



Order Number:	88528679_1_1
Customer Ref:	RIS M25 J28
National Grid Reference:	558130, 192090
Slice:	B
Site Area (Ha):	98.11
Search Buffer (m):	1000

## Site Details

Site at, Brentwood, Essex

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

88528679\_1\_1

**Customer Reference:**

RIS M25 J28

**National Grid Reference:**

556770, 193310

**Slice:**

C

**Site Area (Ha):**

98.11

**Search Buffer (m):**

1000

#### Site Details:

Site at  
Brentwood  
Essex

#### Client Details:

Ms T Radford  
Atkins Ltd  
The Wells  
3-13 Church Street  
Epsom  
Surrey  
KT17 4PF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	23
Industrial Land Use	31
Sensitive Land Use	33
Data Currency	34
Data Suppliers	40
Useful Contacts	41

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

#### Copyright Notice

© Landmark Information Group Limited 2016. 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.

#### 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.

#### Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto: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 information and data supplied in the product are 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.

#### Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		8	4	11
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 9		1		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 9	1	5	2	1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 11	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 11	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 11	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 11	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 12	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 20		Yes	Yes	n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 22	1			
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 22	3	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 22	1	1	2	1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 27	Yes	Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 29	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 31	1	3	4	3
Fuel Station Entries	pg 32		1		
Points of Interest - Commercial Services	pg 32			1	2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 32				1
Points of Interest - Public Infrastructure	pg 32				2
Points of Interest - Recreational and Environmental	pg 32		2		
Gas Pipelines	pg 32	1			
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 33	1			2
Areas of Adopted Green Belt	pg 33	2			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 33				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 33	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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SE (SW)	0	2	556400 192700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556850 192300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	2	557200 192350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556800 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556900 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	2	556900 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6SE (W)	0	2	556300 193400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3SW (S)	0	2	556600 192700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NW (SW)	0	2	556600 193100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (SE)	0	2	557300 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C2SE (SW)	0	2	556400 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NW (S)	0	2	556750 193200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NW (SE)	0	2	557250 193100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NW (E)	0	2	557350 193100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556700 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	2	556750 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3SW (S)	0	2	556750 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	2	557300 192300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556950 192500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556650 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SE (SW)	0	2	556500 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C2SE (SW)	0	2	556550 192800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (SE)	0	2	557350 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	2	556400 192650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	2	556800 192350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556800 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	2	556900 192300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	557050 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	556900 192200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	2	557150 192200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SE (S)	0	2	556550 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	5	2	557400 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	11	2	556450 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	53	2	557450 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SE (SW)	57	2	556250 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SE (SW)	58	2	556250 192700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C2SE (SW)	72	2	556250 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NW (SW)	75	2	556774 193311
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4NW (E)	83	2	557500 193150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	116	2	557650 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SW (SW)	116	2	556200 192850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C2SW (SW)	179	2	556200 192900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4NE (E)	224	2	557600 193200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	226	2	556350 192200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2SW (SW)	255	2	556200 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2NW (SW)	293	2	556200 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	295	2	556300 192150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NW (E)	296	2	556800 193311
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C2NE (W)	309	2	556350 193200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	363	2	556250 192100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	395	2	557600 193400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	405	2	557800 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SW (E)	405	2	557550 193450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	406	2	556200 192100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	475	2	556150 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	498	2	558000 192800
1	<b>Discharge Consents</b> Operator: Mr M J Knox Property Type: Domestic Property (Single) Location: Stp Serving Frenches Farm Wigley Bush Lane South Weald Brentwood Essex Cm14 5qp Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Npswqd001126 Permit Version: 1 Effective Date: 13th May 2008 Issued Date: 13th May 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Trib Of River Weald Receiving Water: Trib Of River Weald <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	C3SE (SE)	33	3	557155 193024
2	<b>Discharge Consents</b> Operator: Budge Brothers Group Ltd Property Type: Undefined Or Other Location: Land Adj. To Golden Fleece, Brook Street, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cexr.0031 Permit Version: 1 Effective Date: 9th March 1973 Issued Date: 9th March 1973 Revocation Date: 3rd August 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Ingrebourne Receiving Water: Ingrebourne <b>Status:</b> Authorisation revoked Positional Accuracy: Manually corrected supplier location	C4SW (SE)	39	3	557500 192700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Rivers Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1803 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 19th August 2014 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	C4SW (SE)	49	3	557500 193000
3	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Rivers Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1803 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	C4SW (SE)	49	3	557500 193000
4	<b>Discharge Consents</b> Operator: E.A. Eacott, On Behalf Of South Weald Scout Group Property Type: Recreational & Cultural Location: Spital Lane, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctlr.0039 Permit Version: 1 Effective Date: 28th September 1976 Issued Date: 28th September 1976 Revocation Date: 3rd August 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Ingrebourne <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Manually corrected supplier location	C4SE (SE)	87	3	557600 192900
5	<b>Discharge Consents</b> Operator: Pinnock Construction Co Ltd Property Type: General Construction Work Location: Brook Road / Spital Lane, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cevr.0143 Permit Version: 1 Effective Date: 23rd December 1971 Issued Date: 23rd December 1971 Revocation Date: 3rd June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Ingrebourne <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Manually corrected supplier location	C4SE (E)	123	3	557600 193000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Brook Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0548 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 19th August 2014 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Surrendered under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	C4NE (E)	190	3	557600 193100
6	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Brook Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0548 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	C4NE (E)	190	3	557600 193100
7	<b>Discharge Consents</b> Operator: Mr. A.R. Miller Property Type: Domestic Property (Single) Location: 47 Wigley Bush Lane, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.1758 Permit Version: 1 Effective Date: 28th July 1987 Issued Date: 28th July 1987 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of R. Ingrebourne <b>Status: Transferred from COPA 1974</b> Positional Accuracy: Located by supplier to within 100m	C8SW (E)	306	3	557250 193400
8	<b>Discharge Consents</b> Operator: Mr & Mrs P Lock Property Type: Domestic Property (Single) Location: Stables At South Weald Waysouth Wealdessex Authority: Environment Agency, Thames Region Catchment Area: Non-Tidal (River Roding) Reference: Canm.0450 Permit Version: 1 Effective Date: 22nd August 2002 Issued Date: 22nd August 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib River Ingrebourne <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 100m	C8SW (E)	336	3	557500 193400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Discharge Consents</b> Operator: Mr. P.J. Harkins Property Type: Domestic Property (Single) Location: Red Gables, Weald Park Way, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CEPU.0188 Permit Version: 1 Effective Date: 17th January 1967 Issued Date: 17th January 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: London Claystrata <b>Status:</b> Transferred from Water Resources Act 1963 Positional Accuracy: Located by supplier to within 100m	C8SW (E)	426	3	557500 193500
10	<b>Discharge Consents</b> Operator: Mrs. P.A. Squibb Property Type: Domestic Property (Single) Location: Soakaway At Colmar, Weald Park Way Weald Park Way South Weald Brentwood Essex Cm14 5qh Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTLU.0481 Permit Version: 1 Effective Date: 8th December 1976 Issued Date: 8th December 1976 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Not Supplied <b>Status:</b> Transferred from Water Resources Act 1963 Positional Accuracy: Located by supplier to within 10m	C8SW (E)	436	3	557560 193480
11	<b>Discharge Consents</b> Operator: Browne & Wingrave Almhouse Charities Property Type: Domestic Property (Single) Location: South Weald Almshouses, Wigley Bush Lane, South Weald, Brentwood Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3607 Permit Version: 1 Effective Date: 24th December 1998 Issued Date: 9th April 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Ingrebourne <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	C7SE (NE)	527	3	557180 193610
12	<b>Discharge Consents</b> Operator: Mr Iain Gunn Property Type: Education Location: St Peters C Of E Primary School Stp South Weald Brentwood Essex Cm14 5qn Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntw.1188 Permit Version: 2 Effective Date: 30th November 2012 Issued Date: 30th November 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Weald Brook <b>Status:</b> Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m	C7SE (NE)	597	3	557000 193600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Discharge Consents</b> Operator: The Governing Body Property Type: Education Location: St Peters C Of E Primary School Stp South Weald Brentwood Essex Cm14 5qn Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTW.1188 Permit Version: 1 Effective Date: 25th July 1991 Issued Date: 28th June 1991 Revocation Date: 29th November 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Weald Brooktributary <b>Status:</b> <b>Transferred from Water Act 1989</b> Positional Accuracy: Located by supplier to within 100m	C7SE (NE)	597	3	557000 193600
13	<b>Discharge Consents</b> Operator: The Managers, St.Peters Church Of England School. Property Type: Education Location: St Peters C Of E Primary School Stp South Weald Brentwood Essex Cm14 5qn Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ceqr.0115 Permit Version: 1 Effective Date: 15th June 1967 Issued Date: 15th June 1967 Revocation Date: 24th July 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Ofthe Weald Brook <b>Status:</b> <b>Authorisation revokedRevoked</b> Positional Accuracy: Manually corrected supplier location	C7SW (NE)	653	3	556900 193600
14	<b>Discharge Consents</b> Operator: Mr W F Moen Property Type: Domestic Property (Single) Location: Luptons, Wigley Bush Lane, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntw.0884 Permit Version: 2 Effective Date: 20th October 2005 Issued Date: 20th October 2005 Revocation Date: 20th October 2017 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: Bagshot Beds <b>Status:</b> <b>Transferred from Water Act 1989</b> Positional Accuracy: Located by supplier to within 10m	C7NE (NE)	695	3	557100 193760
14	<b>Discharge Consents</b> Operator: Mr W F Moen Property Type: Domestic Property (Single) Location: Luptons, Wigley Bush Lane, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTW.0884 Permit Version: 1 Effective Date: 24th December 1990 Issued Date: 24th December 1990 Revocation Date: 19th October 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Irrigation Area Environment: Receiving Water: Bagshot Beds <b>Status:</b> <b>Transferred from Water Act 1989</b> Positional Accuracy: Located by supplier to within 100m	C7NE (NE)	695	3	557100 193760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<b>Discharge Consents</b> Operator: Mr J Bates Property Type: Domestic Property (Single) Location: Luptons, Wigley Bush Lane, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctlu.0414 Permit Version: 1 Effective Date: 14th October 1975 Issued Date: 14th October 1975 Revocation Date: 24th December 1990 Discharge Type: Trade Effluent Discharge: Land/Soakaway Environment: Receiving Water: Not Supplied <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Located by supplier to within 10m	C7NE (NE)	695	3	557100 193760
14	<b>Discharge Consents</b> Operator: Tower Arms Limited Property Type: Public Houses & Bars Location: Tower Arms Public House, Weald Road, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3169 Permit Version: 1 Effective Date: 26th March 1998 Issued Date: 26th March 1998 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of The River Ingrebourne <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 100m	C7NE (NE)	706	3	557140 193785
15	<b>Discharge Consents</b> Operator: Grand Metropolitan Retailing Property Type: Public Houses & Bars Location: The Tower Arms Ph, Weald Road, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctr.2142 Permit Version: 1 Effective Date: 23rd May 1984 Issued Date: 23rd May 1984 Revocation Date: 1st October 1996 Discharge Type: Non Water Company (Private) Sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Weald Park Way Stream <b>Status: Lapsed (under Environment Act 1995, Schedule 23)</b> Positional Accuracy: Located by supplier to within 100m	C7NE (NE)	718	3	557190 193810
15	<b>Discharge Consents</b> Operator: Mr And Mrs Girdlestone Property Type: Domestic Property (Single) Location: South Wealds Barns Weald Road South Weald Brentwood Essex Cm14 5qj Authority: Environment Agency, Thames Region Catchment Area: Ingrebourne Reference: Canm.1229 Permit Version: 1 Effective Date: 26th March 2007 Issued Date: 26th March 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dit Trib Of Ingrebourne <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	C7NE (NE)	729	3	557170 193816

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Discharge Consents</b> Operator: Mr. A.N Property Type: Domestic Property (Multiple) Location: Timbertops & No. 56, Weald Road, South Weald, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1848 Permit Version: 1 Effective Date: 2nd June 1995 Issued Date: 2nd June 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of the Ingrebourne <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 100m	C7NE (NE)	746	3	557200 193840
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Grange Motors (Brentwood) Ltd Location: 2 Brook Street, BRENTWOOD, Essex, CM14 5LU Authority: Brentwood Borough Council, Environmental Health Department Permit Reference: 80/92 Dated: 24th November 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles <b>Status: Authorisation revoked</b> Positional Accuracy: Automatically positioned to the address	C4SE (SE)	167	4	557652 192780
	<b>Nearest Surface Water Feature</b>	C4SW (SE)	0	-	557428 192962
17	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th November 1992 Incident Reference: NE920634 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	C4SW (SE)	0	3	557400 192850
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 26th April 1994 Incident Reference: NE940278 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	C4SW (SE)	15	3	557500 192950
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th June 1994 Incident Reference: NE940407 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	C4NW (E)	117	3	557500 193100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Spital Lane, BRENTFORD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 23rd August 1994 Incident Reference: NE940640 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	C4NE (E)	187	3	557600 193095
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 7th September 1989 Incident Reference: NE890383 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	C4NE (E)	190	3	557600 193100
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Spital Lane, BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Unknown Note: Not Supplied Incident Date: 16th February 1996 Incident Reference: NE960109 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	C4NE (E)	191	3	557605 193095
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 11th January 1990 Incident Reference: NE900014 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	C4SE (E)	396	3	557900 193000
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Coxtle Green Road, SOUTH WEALD Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 7th October 1998 Incident Reference: THNE1998040853 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	C8SW (E)	399	3	557400 193500
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: SOUTH WEALD Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 28th October 1991 Incident Reference: NE910524 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	C7NE (NE)	713	3	557190 193805

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>River Quality</b> Name: Ingrebourn GQA Grade: River Quality A Reach: Bk Street - Brentwood Stw Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	C4NW (SE)	0	3	557291 193066
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	C3NW (SW)	0	3	556634 193194
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	(S)	0	3	556979 192624
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	C3NW (SW)	0	3	556774 193311
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3NW (SW)	0	2	556774 193311
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C3NW (SW)	0	2	556662 193223
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C3NW (SW)	0	2	556715 193186
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C6SE (NW)	0	2	556490 193528
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C3SE (SE)	0	2	557031 192808
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3SE (S)	0	2	557018 192723
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C2NE (W)	0	3	556273 193193
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C2NE (W)	0	3	556268 193198
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SE (SW)	0	3	556440 192746
25	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SE (SW)	0	3	556440 192746
26	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	C3SE (SE)	0	3	557159 192814
27	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	C4SW (SE)	0	3	557417 192965
28	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SE (SW)	0	3	556499 192818
29	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (SE)	0	3	557147 193101



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3SE (SE)	0	3	557028 192749
31	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SE (SW)	0	3	556492 192816
32	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SE (SW)	0	3	556416 192997
33	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	C4SW (SE)	0	3	557417 192965
34	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3SE (S)	0	3	557001 192723
35	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3SW (S)	0	3	556876 192829

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Ingrebourne Name: Water Course: 55IN Reference:	C4SW (SE)	0	3	557302 192850
37	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3SE (SE)	1	3	556939 192934
38	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3SW (S)	1	3	556864 192951
39	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Weald Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	C2SW (SW)	72	3	556179 192772
40	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingrebourne, Talbrook Name: Water Course: 55IB Reference:	C4NW (E)	76	3	557500 193040
41	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NW (SW)	85	3	556610 193184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (SE)	102	3	557133 193101
43	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (SE)	109	3	557127 193116
44	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (E)	125	3	557070 193269
45	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SW (SW)	209	3	556133 192821
46	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	C2SW (SW)	209	3	556135 192916
47	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingerbourne, Talbrook Name: Water Course: 55IB Reference:	C4NE (E)	228	3	557610 193145



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingerbourne, Talbrook Name: Water Course: 55IB Reference:	C4NE (E)	233	3	557615 193146
49	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SW (SW)	271	3	556135 192916
50	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	271	3	556550 193250
51	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	C2NW (W)	271	3	556172 193067
52	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (E)	283	3	557058 193289
53	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C3NE (E)	307	3	557044 193311

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	326	3	556338 193162
55	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	326	3	556359 193201
56	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	342	3	556362 193210
57	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	347	3	556370 193224
58	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NE (W)	352	3	556384 193245
59	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SW (SW)	364	3	555944 192728

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NW (W)	364	3	556177 193083
61	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	C2NW (W)	364	3	556171 193069
62	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingerbourne, Talbrook Name: Water Course: 55IB Reference:	C4NE (E)	368	3	557714 193239
63	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NW (W)	371	3	556190 193141
64	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4NE (E)	377	3	557716 193250
65	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingerbourne, Talbrook Name: Water Course: 55IB Reference:	C4NE (E)	377	3	557716 193250



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4SE (E)	398	3	557910 192958
67	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Weald Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Weald Brook Name: Water Course: 55WE Reference:	C2NW (W)	429	3	556119 193163
68	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NW (W)	429	3	556117 193108
69	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	(SW)	438	3	555870 192695
70	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2SW (SW)	453	3	555906 192917
71	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C2NW (W)	474	3	556054 193113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Drain Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Below Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4NE (E)	498	3	557797 193340
73	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C8SE (E)	500	3	557778 193410
74	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Drain Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Tributary of River Ingerbourne, Talbrook Name: Water Course: 55IB Reference:	C4NE (E)	500	3	557794 193347
75	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NE (SE)	106	3	556965 193088
76	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (SE)	109	3	556908 193045
77	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NE (SE)	188	3	556953 193079
78	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (E)	192	3	556904 193264
79	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NE (SE)	192	3	556958 193083
80	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C4NW (E)	230	3	557281 193339
81	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (SW)	235	3	556716 193260
82	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (N)	298	3	556771 193322
83	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (E)	381	3	556906 193355
84	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (E)	441	3	556897 193359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D006	C3NW (E)	447	3	556904 193362



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	<b>Historical Landfill Sites</b> Licence Holder: Not Supplied Location: Grove Farm, Harold Park Name: Brook Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34719 First Input Date: Not Supplied Last Input Date: 1st August 1983 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	C2SE (SW)	0	3	556441 192746
	<b>Local Authority Landfill Coverage</b> Name: London Borough of Havering - Has supplied landfill data		0	6	556404 193008
	<b>Local Authority Landfill Coverage</b> Name: Brentwood District Council - Has supplied landfill data		0	7	556774 193311
	<b>Local Authority Landfill Coverage</b> Name: Essex County Council - Has supplied landfill data		0	5	556774 193311
87	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	C3SW (S)	0	-	556822 192863
88	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	C2SE (SW)	19	-	556412 192822
89	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	C4SE (E)	265	-	557760 193010
90	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	C2NW (W)	415	-	556225 193182
91	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4NE (E)	573	-	557918 193319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Thames Group	C3NW (W)	0	2	556665 193272
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SE (SE)	0	2	557223 192807
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	C3SE (S)	0	2	557018 192723
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3NW (SW)	0	2	556774 193311
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3NW (SW)	0	2	556715 193186
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C6SE (NW)	0	2	556490 193528
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SE (SE)	0	2	557031 192808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	121	2	556092 193173
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	(SW)	192	2	556089 192687
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C3NW (SE)	294	2	556791 193303
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C4NE (E)	331	2	557799 193216
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	423	2	556014 193046
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C7SW (NE)	447	2	556893 193469



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C7NE (N)	494	2	557000 194000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SW (N)	503	2	556774 193500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C7SW (N)	503	2	556715 193495
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	C7SW (N)	508	2	556724 193500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	C7SW (NE)	514	2	556875 193500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	(SW)	558	2	555869 192353

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SE (NW)	565	2	556500 193543
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SE (NW)	592	2	556500 193584
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SE (NW)	669	2	556542 193659
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 45 - 60 mg/kg Concentration:	C2NW (W)	705	2	556000 193371
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	718	2	555969 193362
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	C6NE (NW)	777	2	556540 193769

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C6NE (NW)	780	2	556500 193763
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SW (NW)	802	2	556196 193670
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SW (W)	817	2	556071 193586
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C8NE (NE)	852	2	557663 193908
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	C12SW (NE)	986	2	557578 194065
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556914, 192797 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 18.30 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 89.70 mg/kg Concentration: Lead Measured 111.20 mg/kg Concentration: Nickel Measured 18.80 mg/kg Concentration:	C3SE (S)	0	2	556914 192797



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 557662, 192824 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.70 mg/kg Concentration: Cadmium Measured 1.30 mg/kg Concentration: Chromium Measured 81.10 mg/kg Concentration: Lead Measured 337.00 mg/kg Concentration: Nickel Measured 25.10 mg/kg Concentration:	C4SE (SE)	165	2	557662 192824
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 557603, 193320 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.70 mg/kg Concentration: Cadmium Measured 0.10 mg/kg Concentration: Chromium Measured 100.00 mg/kg Concentration: Lead Measured 70.80 mg/kg Concentration: Nickel Measured 17.70 mg/kg Concentration:	C4NE (E)	341	2	557603 193320
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 556129, 193323 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.00 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 107.80 mg/kg Concentration: Lead Measured 48.80 mg/kg Concentration: Nickel Measured 25.70 mg/kg Concentration:	C2NW (W)	584	2	556129 193323
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 555600, 193369 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 11.00 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 88.00 mg/kg Concentration: Lead Measured 44.60 mg/kg Concentration: Nickel Measured 16.60 mg/kg Concentration:	C1NE (W)	969	2	555600 193369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	C3NW (S)	0	2	556774 193300
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (S)	0	2	557018 192723
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C2NW (W)	121	2	556092 193173
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NE (E)	0	2	557242 193121
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C2NW (W)	68	2	556158 193143
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C2NW (W)	121	2	556092 193173
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (E)	243	2	557611 193170
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SW (S)	0	2	556715 193009
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C2SE (SW)	102	2	556316 192979
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	2	557223 192807
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556662 193223
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C2NW (W)	68	2	556158 193143
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C2NW (W)	192	2	556014 193046
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (E)	243	2	557611 193170
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (S)	0	2	556704 193066
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SW (S)	68	2	556756 193024
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C3NW (SW)	0	2	556774 193311



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	<b>Contemporary Trade Directory Entries</b> Name: Marval Products Location: 30, River Road, Brentwood, Essex, CM14 5NU Classification: Clocks & Watches - Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C4SW (SE)	0	-	557488 192937
93	<b>Contemporary Trade Directory Entries</b> Name: Grange Jaguar Location: 2, Brook Street, Brentwood, Essex, CM14 5LU Classification: Car Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C4SE (SE)	167	-	557652 192780
93	<b>Contemporary Trade Directory Entries</b> Name: Grange Location: 2, Brook Street, Brentwood, CM14 5LU Classification: Car Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	C4SE (SE)	167	-	557652 192780
93	<b>Contemporary Trade Directory Entries</b> Name: Grange Aston Martin Location: 2, Brook Street, Brentwood, Essex, CM14 5LU Classification: Car Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C4SE (SE)	167	-	557652 192780
94	<b>Contemporary Trade Directory Entries</b> Name: Allen Ford Location: 140, London Road, Brentwood, Essex, CM14 4NS Classification: Car Customisation & Conversion Specialists <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	C4SE (SE)	263	-	557768 192842
94	<b>Contemporary Trade Directory Entries</b> Name: Kwik Fit Location: 134, London Road, Brentwood, Essex, CM14 4NS Classification: Tyre Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	C4SE (SE)	277	-	557790 192878
94	<b>Contemporary Trade Directory Entries</b> Name: Stop 'N' Steer Location: 134, London Road, Brentwood, Essex, CM14 4NS Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C4SE (SE)	277	-	557790 192878
94	<b>Contemporary Trade Directory Entries</b> Name: Kwik-Fit Location: 134, London Road, Brentwood, Essex, CM14 4NS Classification: Tyre Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C4SE (SE)	277	-	557790 192878
95	<b>Contemporary Trade Directory Entries</b> Name: Autocare Location: Shepherds Croft, Wigley Bush Lane, South Weald, Brentwood, Essex, CM14 5QN Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C7SE (NE)	520	-	557054 193544
95	<b>Contemporary Trade Directory Entries</b> Name: Tower Recoveries Location: Shepherds Croft, Wigley Bush Lane, South Weald, Brentwood, Essex, CM14 5QN Classification: Car Dealers - Used <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C7SE (NE)	520	-	557054 193544
96	<b>Contemporary Trade Directory Entries</b> Name: Jewels Farms Location: South Weald Barn, Weald Road, South Weald, Brentwood, Essex, CM14 5QJ Classification: Car Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	C7NE (NE)	734	-	557160 193820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<b>Fuel Station Entries</b> Name: Grange Motors (Brentwood) Ltd Location: 2 Brook Street, BRENTWOOD, Essex, CM14 5LU Brand: OBSOLETE Premises Type: Not Applicable Status: <b>Obsolete</b> Positional Accuracy: Approximate location provided by supplier	C4SE (SE)	204	-	557717 192892
98	<b>Points of Interest - Commercial Services</b> Name: Kwik-Fit (GB) Limited Location: 134 London Road, Brentwood, CM14 4NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C4SE (SE)	277	8	557790 192878
99	<b>Points of Interest - Commercial Services</b> Name: Autocare Location: Shepherds Croft, Wigley Bush Lane, South Weald, Brentwood, CM14 5QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C7SE (NE)	520	8	557054 193544
99	<b>Points of Interest - Commercial Services</b> Name: Autocare Location: Shepherds Croft, Wigley Bush Lane, South Weald, Brentwood, CM14 5QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C7SE (NE)	520	8	557054 193544
100	<b>Points of Interest - Manufacturing and Production</b> Name: Jewels Farms Location: South Weald Barn, Weald Road, South Weald, Brentwood, CM14 5QJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	C7NE (NE)	734	8	557160 193820
101	<b>Points of Interest - Public Infrastructure</b> Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	C7NE (NE)	756	8	557242 193857
101	<b>Points of Interest - Public Infrastructure</b> Name: Burial Ground Location: CM14 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	C7NE (NE)	759	8	557238 193859
102	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: River Road, CM14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	C4SW (SE)	35	8	557511 192967
102	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	C4SW (SE)	42	8	557520 192968
103	<b>Gas Pipelines</b> Name: FM18 - Stapleford Tawney to Tilbury Thames North Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity: 78 Distance (m): Status: Active Pipe Length (m): 34584.4 Pipe Number: Feeder 18	C3NW (SW)	0	9	556749 193290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	<b>Ancient Woodland</b> Name: Vicarage Wood Reference: 1119478 Area(m <sup>2</sup> ): 100218.67 Type: Ancient and Semi-Natural Woodland	C3SW (S)	0	10	556901 192994
105	<b>Ancient Woodland</b> Name: Duck Wood Reference: 1495698 Area(m <sup>2</sup> ): 94556.87 Type: Ancient and Semi-Natural Woodland	(SW)	617	10	555712 192524
106	<b>Ancient Woodland</b> Name: Not Supplied Reference: 1495704 Area(m <sup>2</sup> ): 34404.52 Type: Ancient and Semi-Natural Woodland	C1NE (W)	728	10	555660 193163
107	<b>Areas of Adopted Green Belt</b> Authority: London Borough of Havering, Planning Department Plan Name: Development Control Policies Status: <b>Adopted</b> Plan Date: 22nd October 2008	C2SE (SW)	0	11	556404 193008
108	<b>Areas of Adopted Green Belt</b> Authority: Brentwood Borough Council Plan Name: Brentwood Replacement Local Plan Status: <b>Adopted</b> Plan Date: 25th August 2005	C3NW (SW)	0	7	556774 193311
109	<b>Local Nature Reserves</b> Name: The Manor Multiple Area: Y Area (m2): 679579.23 Source: Natural England Designation Date: 28th March 2012	(SW)	617	10	555712 192524
110	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	C3NW (SW)	0	12	556774 193311



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Brentwood Borough Council - Environmental Health Department London Borough of Havering - Environmental Health Department	March 2014 September 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> London Borough of Havering - Environmental Health Department Brentwood Borough Council - Environmental Health Department	April 2015 March 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	September 1999 September 1999	Not Applicable Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region Environment Agency - Thames Region	January 2016 January 2016	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable

<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	March 2016	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	May 2016 May 2016	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	April 2016 April 2016	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Brentwood Borough Council Essex County Council London Borough of Havering - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Brentwood Borough Council London Borough of Havering - Environmental Health Department Essex County Council	June 2003 May 2000 November 2004	Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area Environment Agency - Thames Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Anglian Region - Eastern Area	June 2015 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Brentwood Borough Council Essex County Council London Borough of Havering - Planning Department	February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update



<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>BGS Urban Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	June 2016	Quarterly
<b>Points of Interest - Education and Health</b> PointX	June 2016	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	June 2016	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	June 2016	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	June 2016	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually

<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Adopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department	May 2016 May 2016	As notified As notified
<b>Areas of Unadopted Green Belt</b> Brentwood Borough Council London Borough of Havering - Planning Department	November 201 November 201	As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	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	 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> 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
2	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
4	<b>Brentwood Borough Council - Environmental Health Department</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200333 Email: <a href="mailto:Brentwood@cieh.org.uk">Brentwood@cieh.org.uk</a> Website: <a href="http://www.brentwood-council.gov.uk">www.brentwood-council.gov.uk</a>
5	<b>Essex County Council</b> County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: <a href="http://www.essexcc.gov.uk">www.essexcc.gov.uk</a>
6	<b>London Borough of Havering - Environmental Health Department</b> Mercury House, Mercury Gardens, Romford, Essex, RM1 3SL	Telephone: 01708 434343 Fax: 01708 772696 Website: <a href="http://www.havering.gov.uk">www.havering.gov.uk</a>
7	<b>Brentwood Borough Council</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200352 Website: <a href="http://www.brentwood-council.gov.uk">www.brentwood-council.gov.uk</a>
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: <a href="http://www.pointx.co.uk">www.pointx.co.uk</a>
10	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
11	<b>London Borough of Havering - Planning Department</b> Mercury House, Mercury Gardens, Romford, Essex, RM1 3RX	Telephone: 01708 434343 Planning Fax: 01708 772696 Website: <a href="http://www.havering.gov.uk">www.havering.gov.uk</a>
12	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
13	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

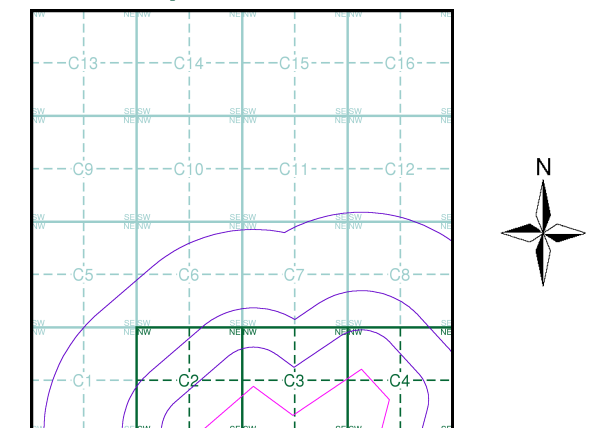
## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1897 - 1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1945 - 1947	7
Historical Aerial Photography	1:10,560	1945	8
Ordnance Survey Plan	1:10,000	1961	9
Ordnance Survey Plan	1:10,000	1967	10
Ordnance Survey Plan	1:10,000	1974	11
Ordnance Survey Plan	1:10,000	1985	12
London	1:25,000	1985	13
Ordnance Survey Plan	1:10,000	1990	14
10K Raster Mapping	1:10,000	1999	15
Historical Aerial Photography	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2016	18

## Historical Map - Slice C



## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

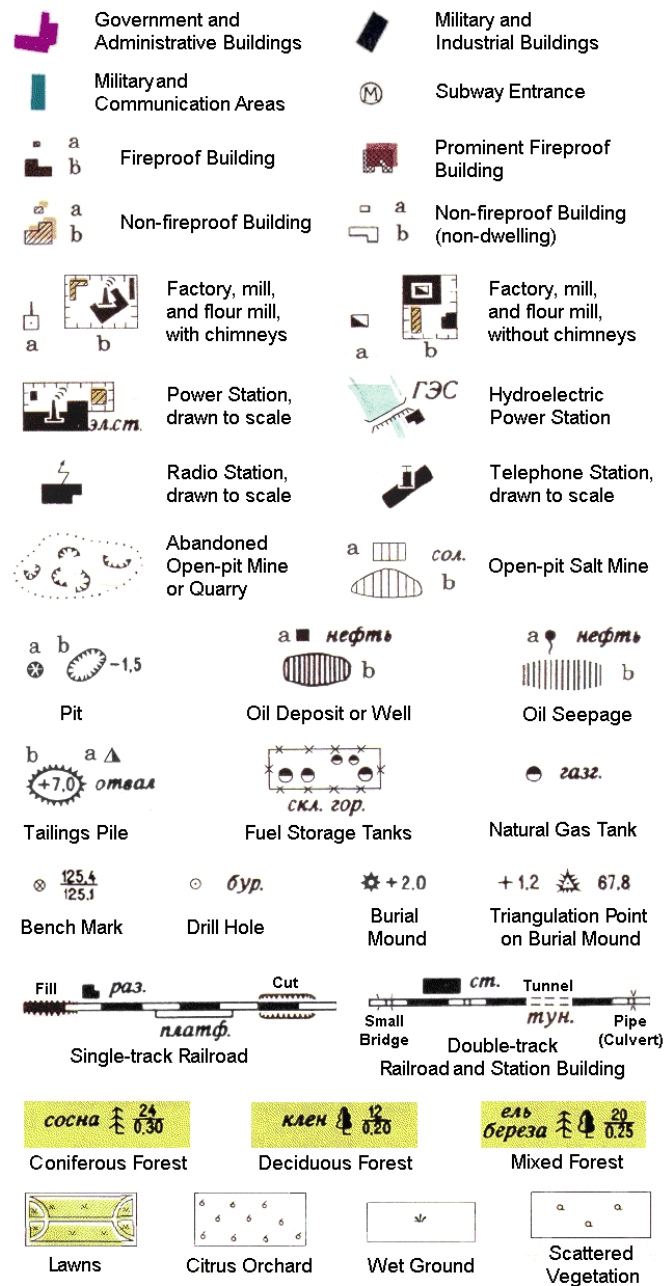
Site at, Brentwood, Essex



# Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



**243.8** Values for prominent elevations

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

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

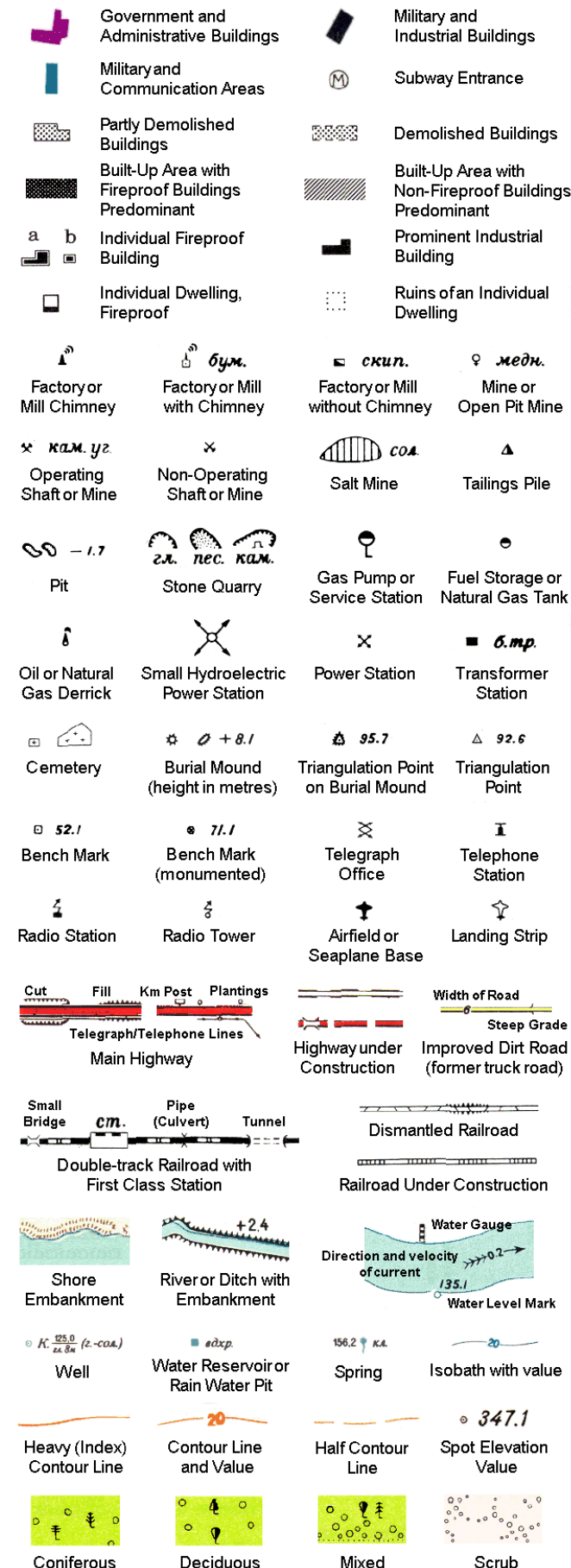
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

<b>А а (A)</b>	<b>З з (Z)</b>	<b>П п (P)</b>	<b>Ч ч (CH)</b>
<b>Б б (B)</b>	<b>И и (I)</b>	<b>Р р (R)</b>	<b>Ш ш (SH)</b>
<b>В в (V)</b>	<b>Й й (Y)</b>	<b>С с (S)</b>	<b>Щ щ (SHCH)</b>
<b>Г г (G)</b>	<b>К к (K)</b>	<b>Т т (T)</b>	<b>Ъ (-)</b>
<b>Д д (D)</b>	<b>Л л (L)</b>	<b>У у (U)</b>	<b>Ы (Y)</b>
<b>Е е (E)</b>	<b>М м (M)</b>	<b>Ф ф (F)</b>	<b>Ь (')</b>
<b>Ё ё (YO)</b>	<b>Н н (N)</b>	<b>Х х (KH)</b>	<b>Э э (E)</b>
<b>Ж ж (ZH)</b>	<b>О о (O)</b>	<b>Ц ц (TS)</b>	<b>Ю ю (YU or IU)</b>
			<b>Я я (YA or IA)</b>

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



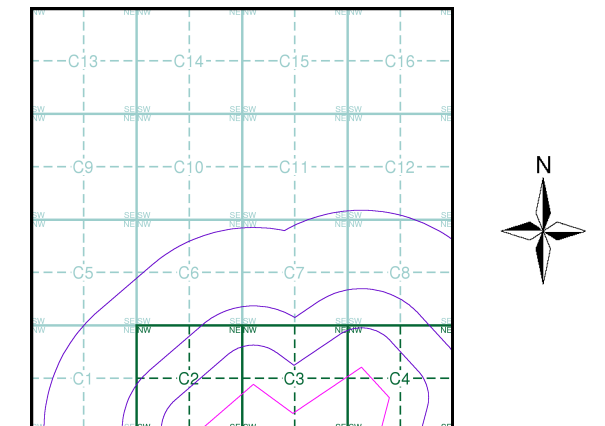
## Key to Numbers on Mapping



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1897 - 1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1945 - 1947	7
Historical Aerial Photography	1:10,560	1945	8
Ordnance Survey Plan	1:10,000	1961	9
Ordnance Survey Plan	1:10,000	1967	10
Ordnance Survey Plan	1:10,000	1974	11
Ordnance Survey Plan	1:10,000	1985	12
London	1:25,000	1985	13
Ordnance Survey Plan	1:10,000	1990	14
10K Raster Mapping	1:10,000	1999	15
Historical Aerial Photography	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2016	18

## Russian Map - Slice C



## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex



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



## Essex

Published 1881

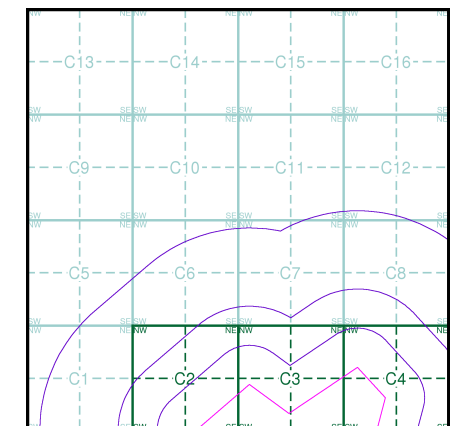
Source map scale - 1:10,560

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

### Map Name(s) and Date(s)

05900
1881
1:10,560
06700
1881
1:10,560

### Historical Map - Slice C

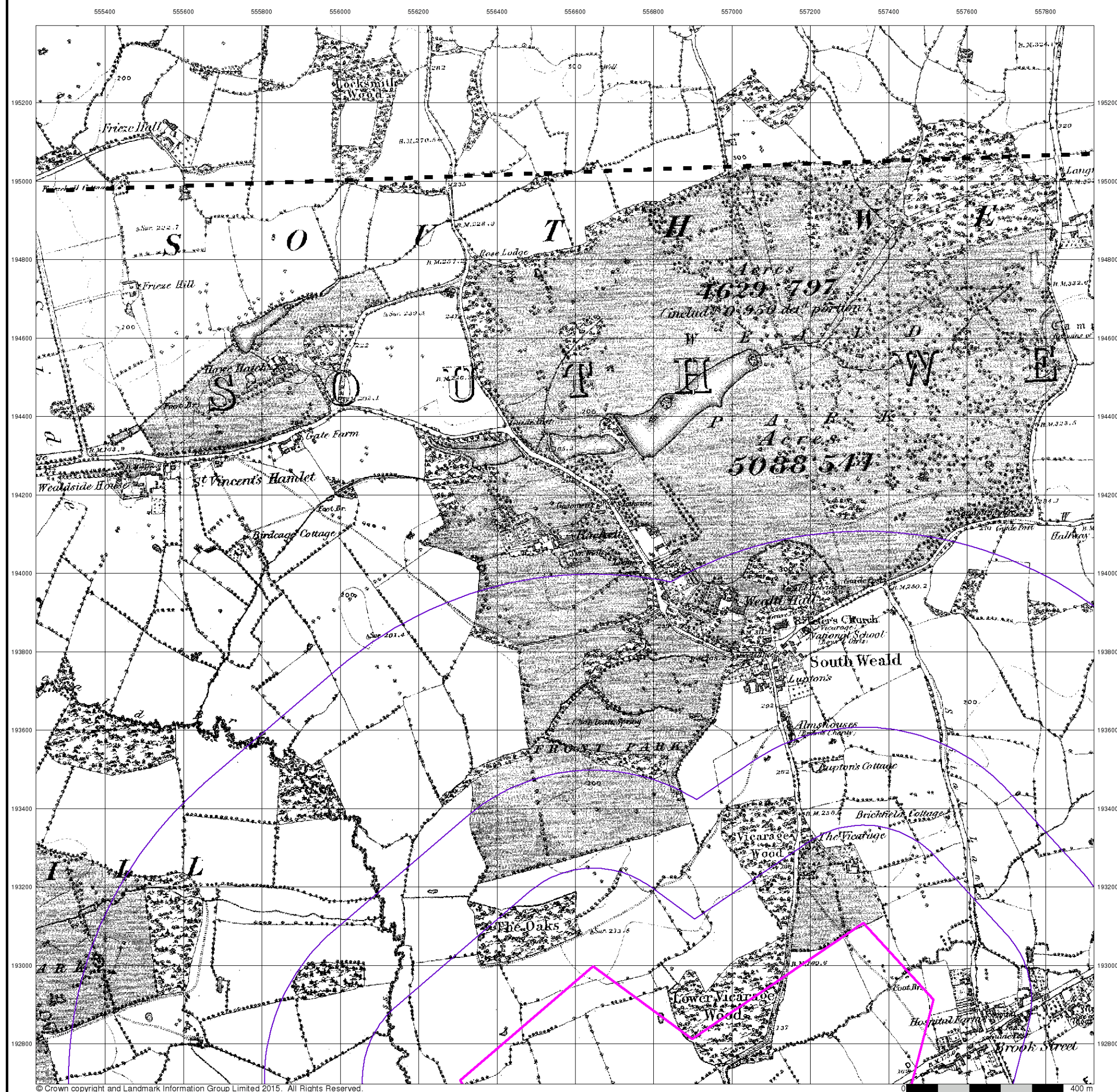


### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## Essex

Published 1897 - 1898

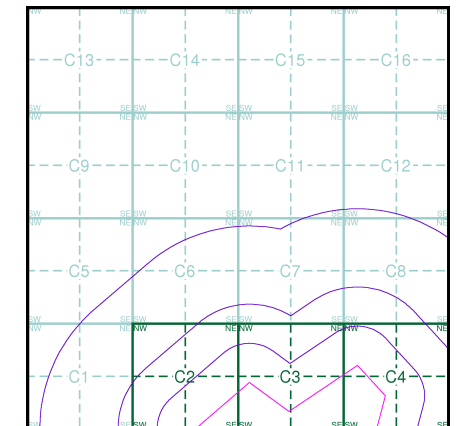
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)

059SW
1897
1:10,560
067NW
1898
1:10,560

## Historical Map - Slice C

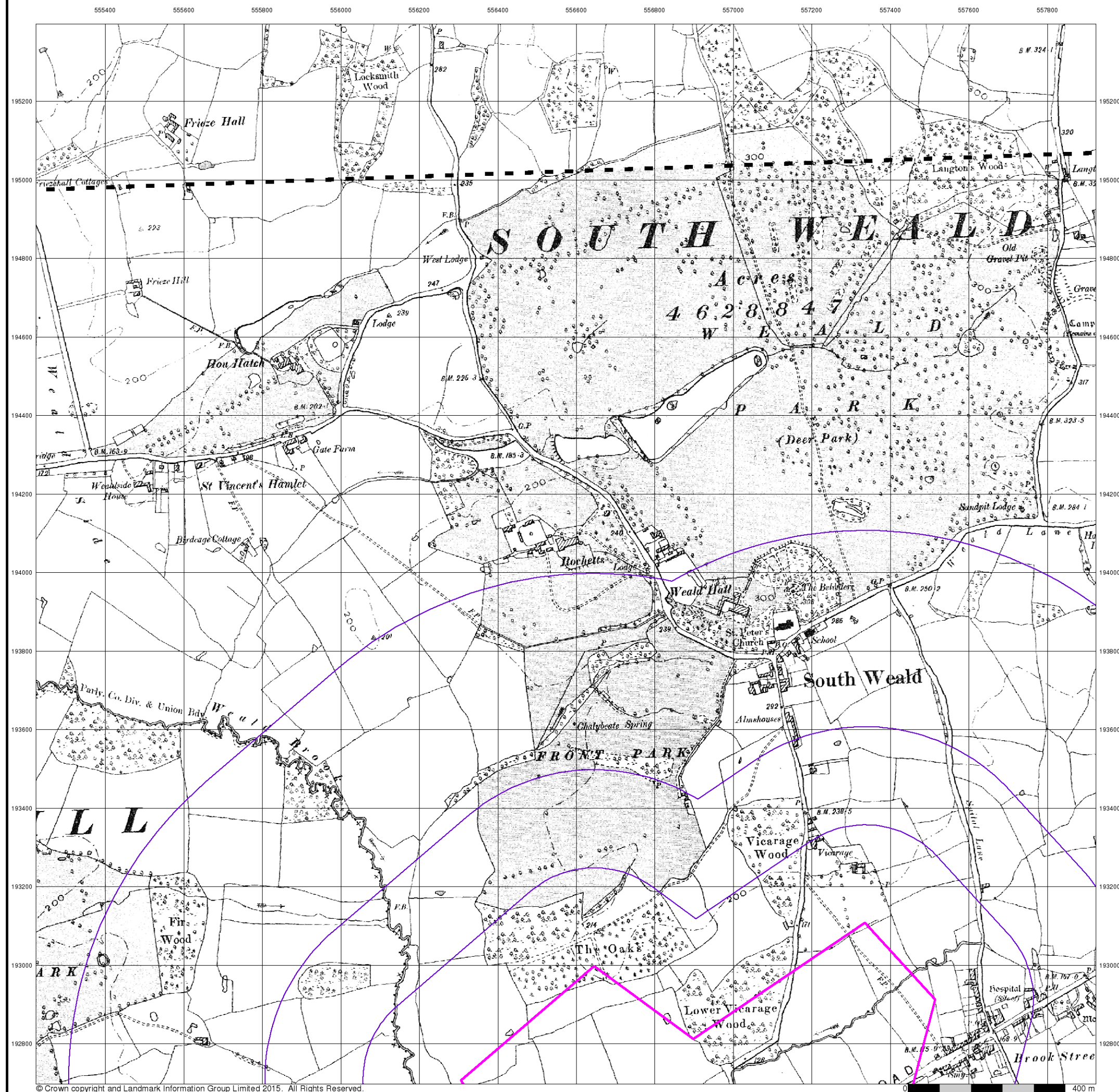


## Order Details

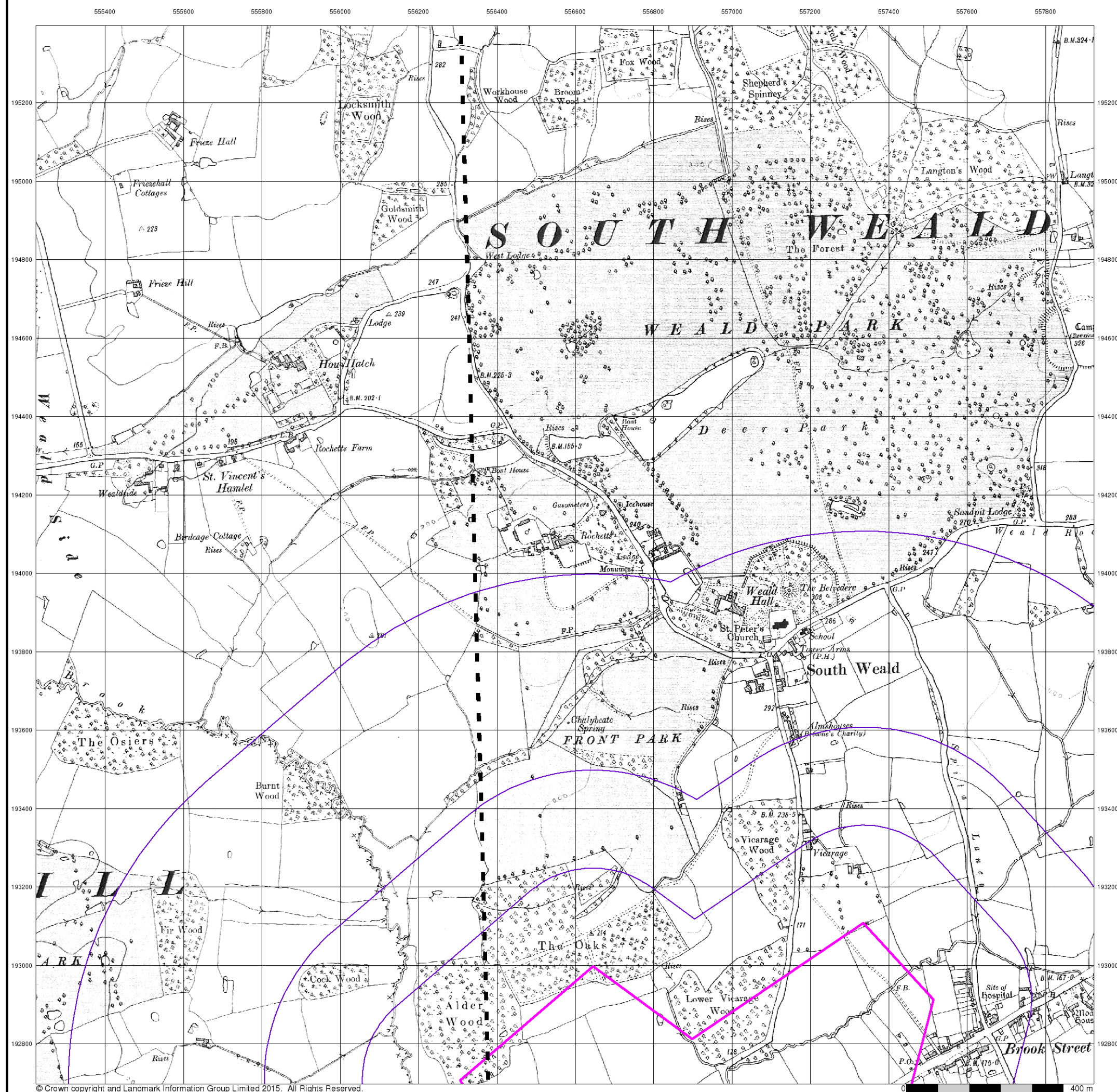
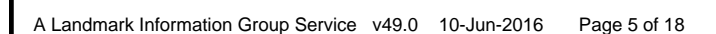
Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex









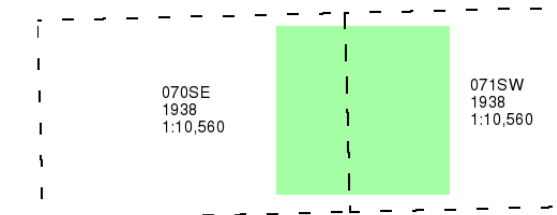
## Essex

Published 1938

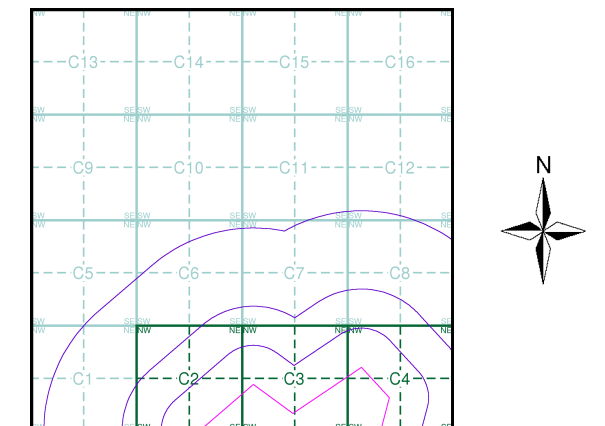
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)



## Historical Map - Slice C

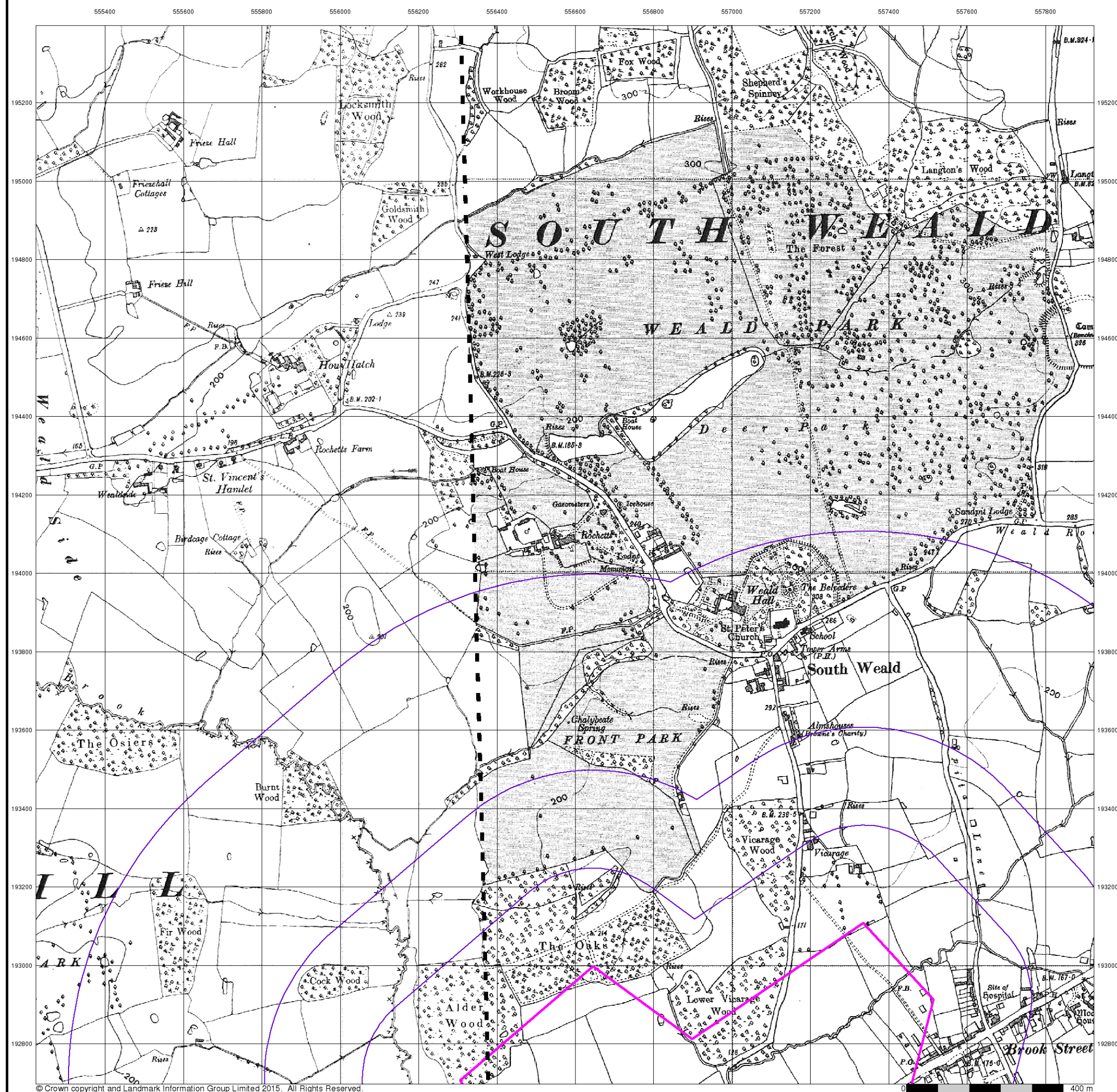


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Historical Aerial Photography

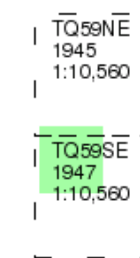
Published 1945 - 1947

Source map scale - 1:10,560

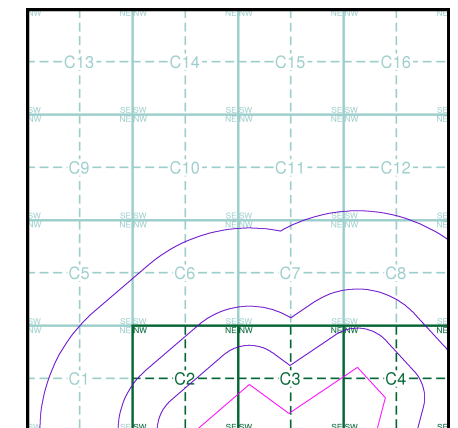
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

### Map Name(s) and Date(s)



### Historical Aerial Photography - Slice C



### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex



## Ordnance Survey Plan

Published 1961

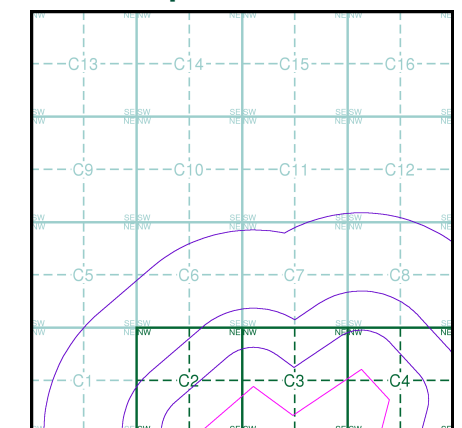
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59NE	1961
1:10,560	
TQ59SE	1961
1:10,560	

## Historical Map - Slice C

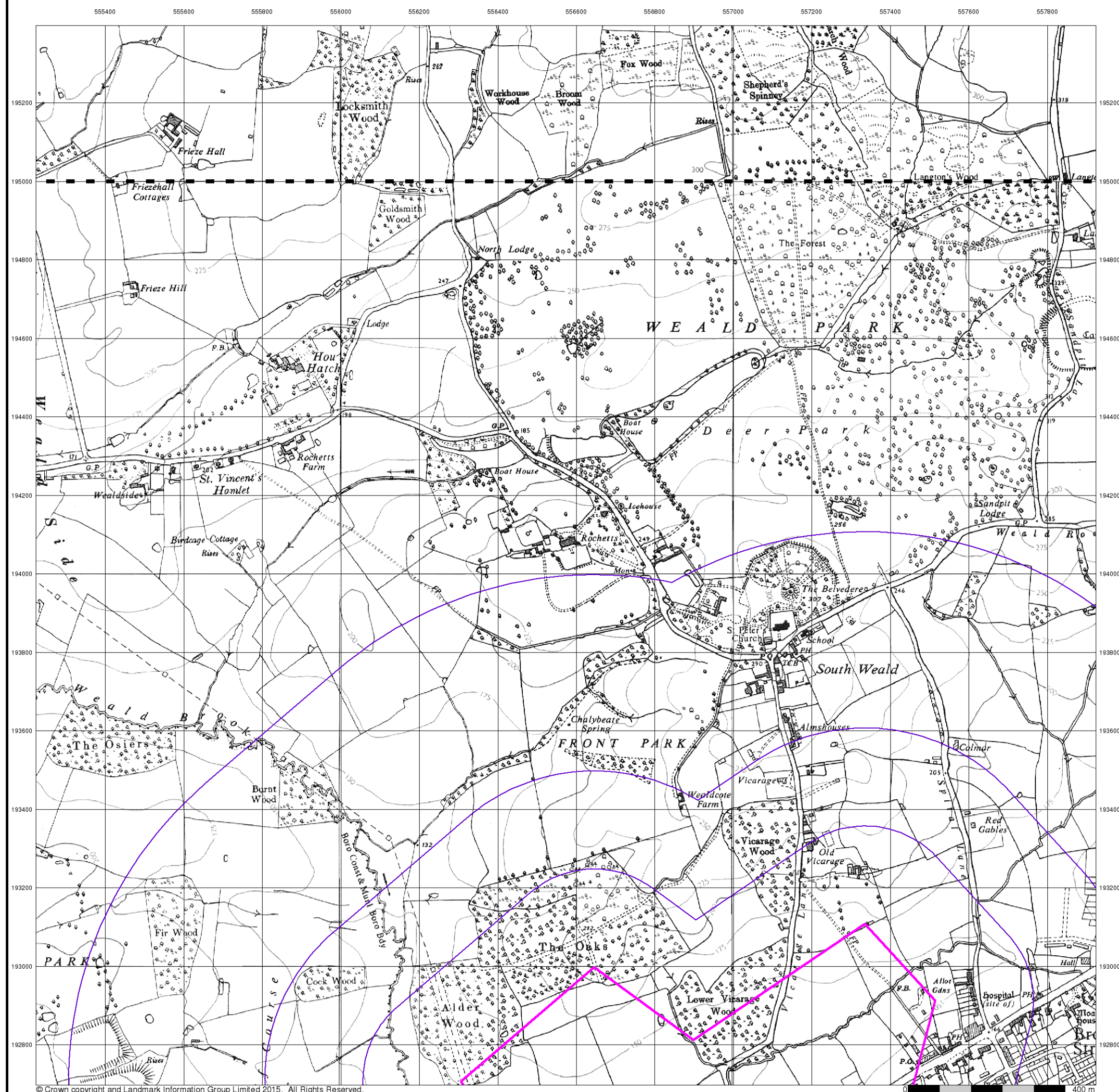


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





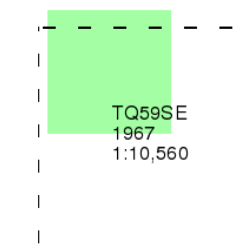
## Ordnance Survey Plan

Published 1967

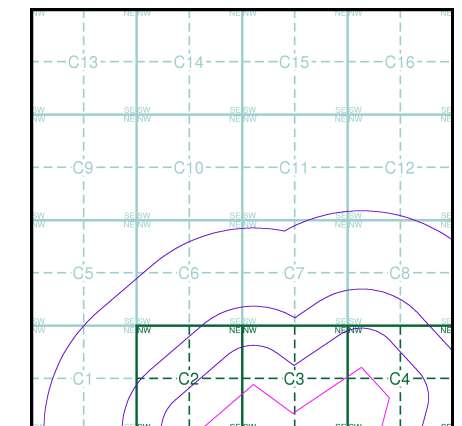
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice C

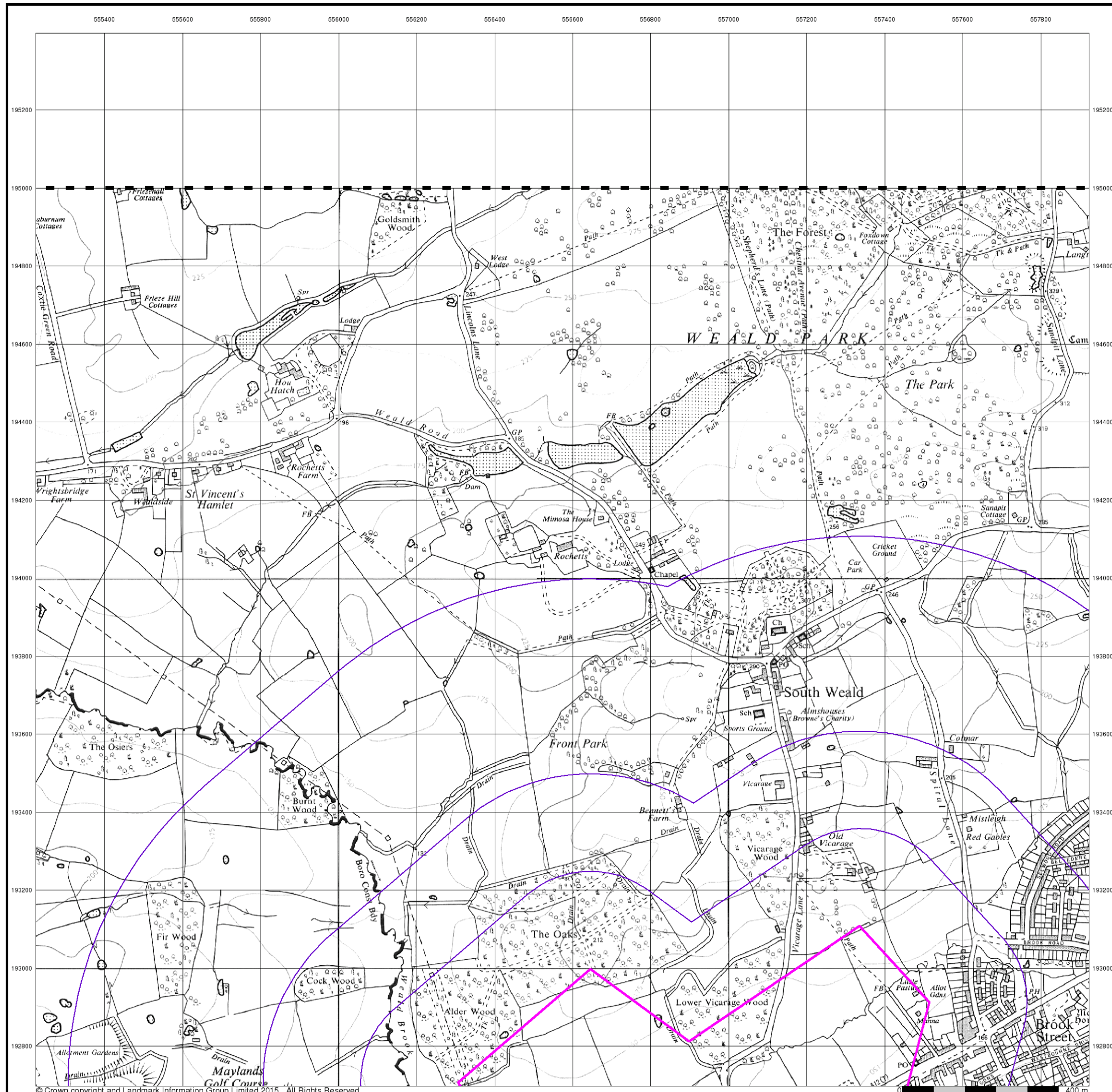


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1974

Source map scale - 1:10,000

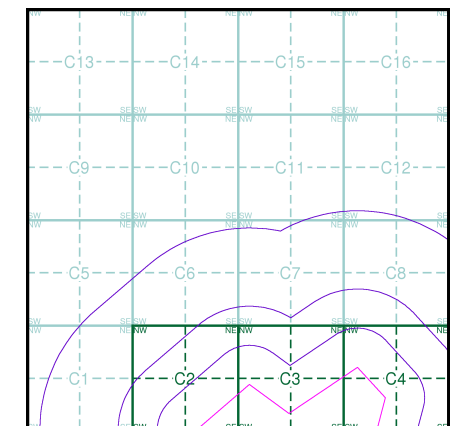
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

## Map Name(s) and Date(s)

TQ59NE  
1974  
1:10,000

TQ59SE  
1974  
1:10,000

## Historical Map - Slice C

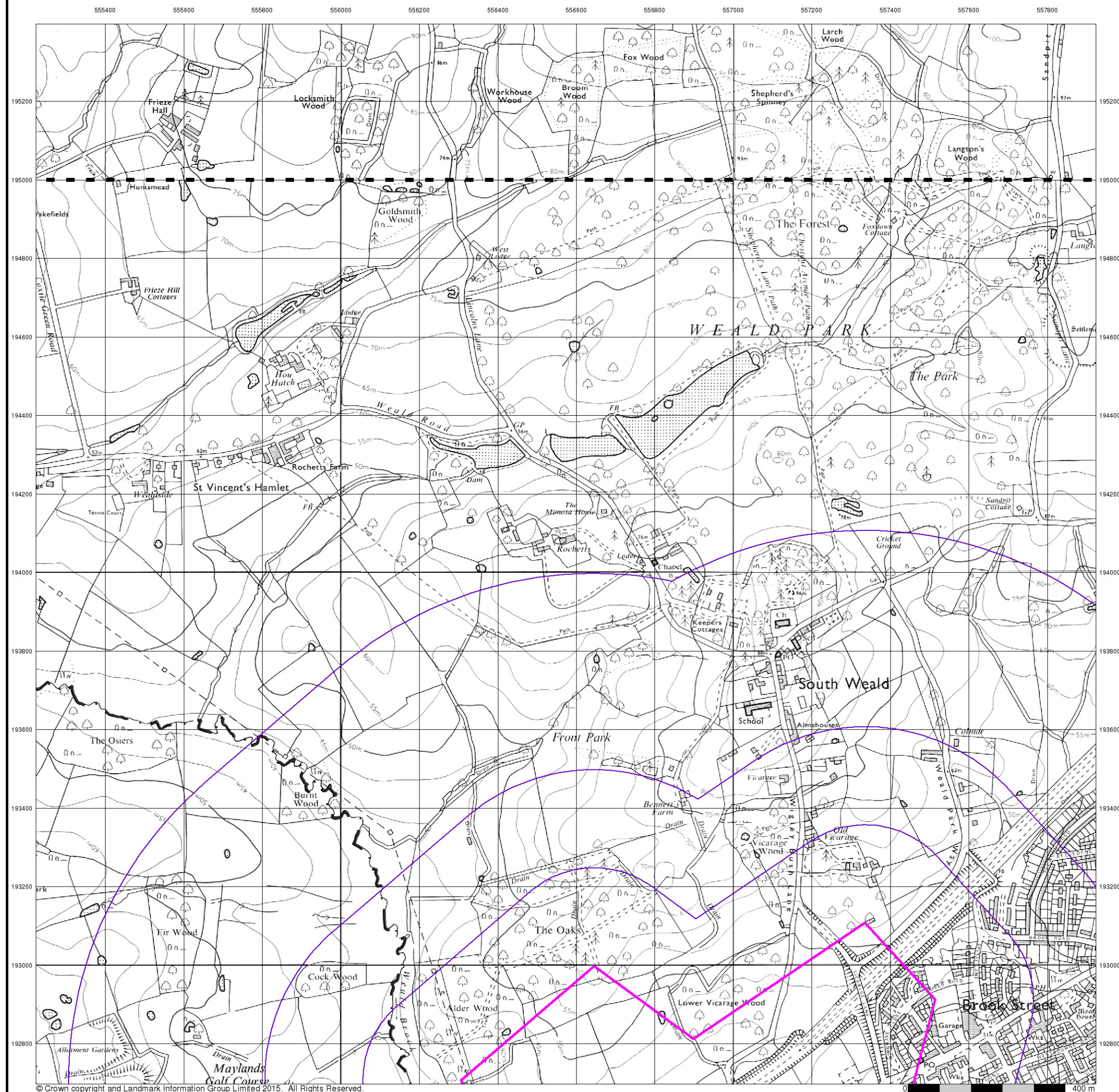


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





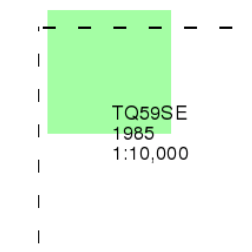
## Ordnance Survey Plan

Published 1985

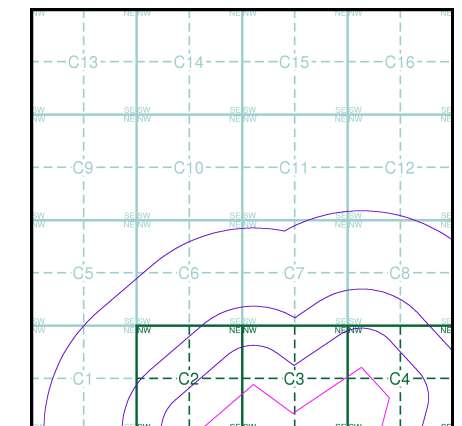
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice C

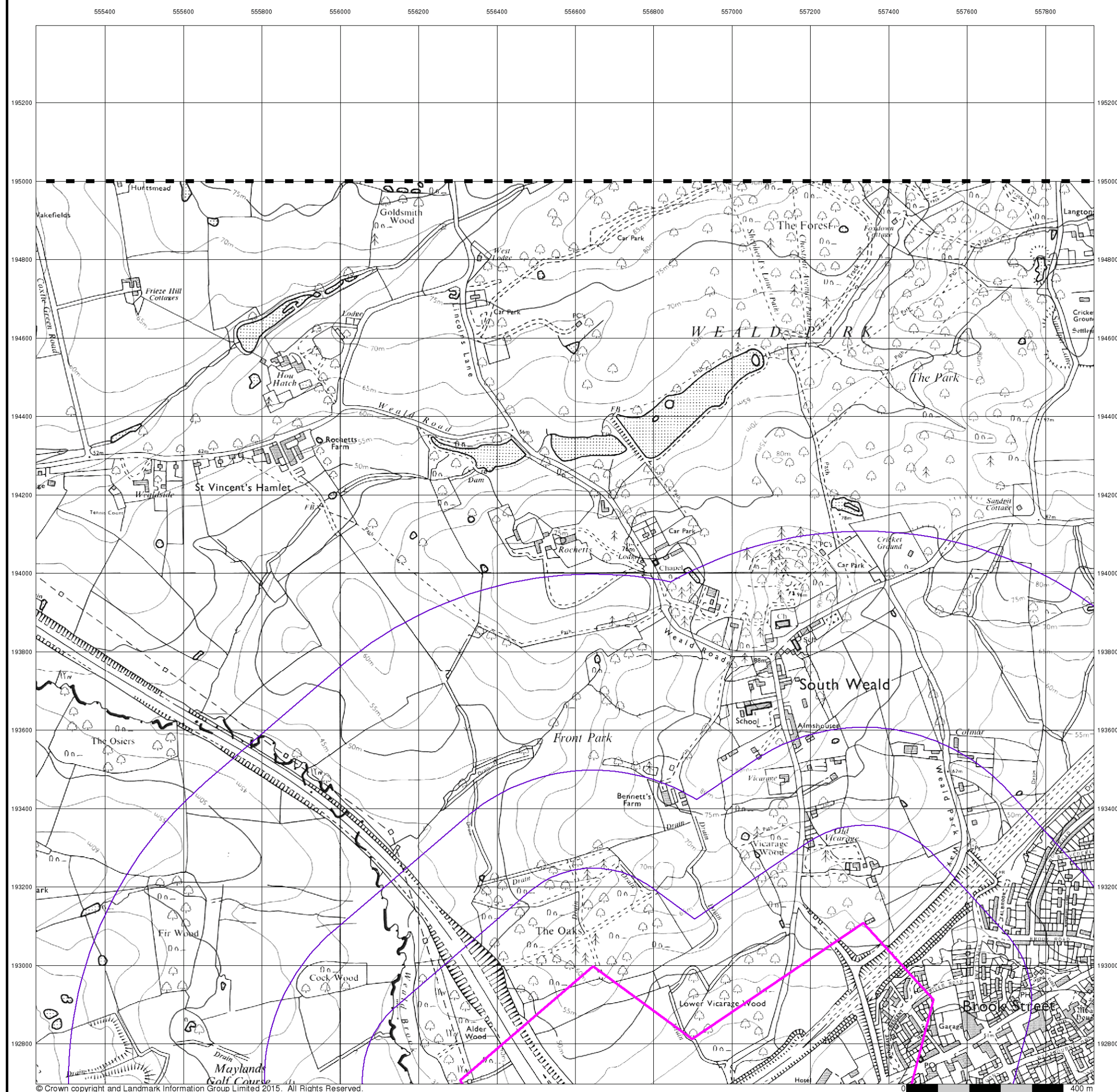


## Order Details

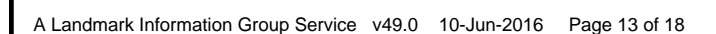
Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex









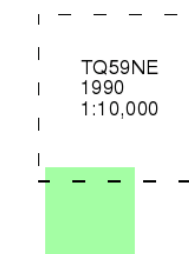
## Ordnance Survey Plan

Published 1990

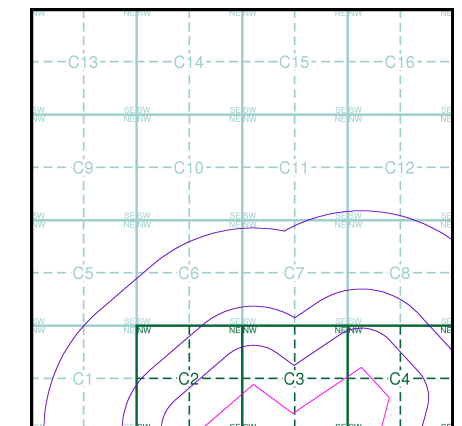
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice C

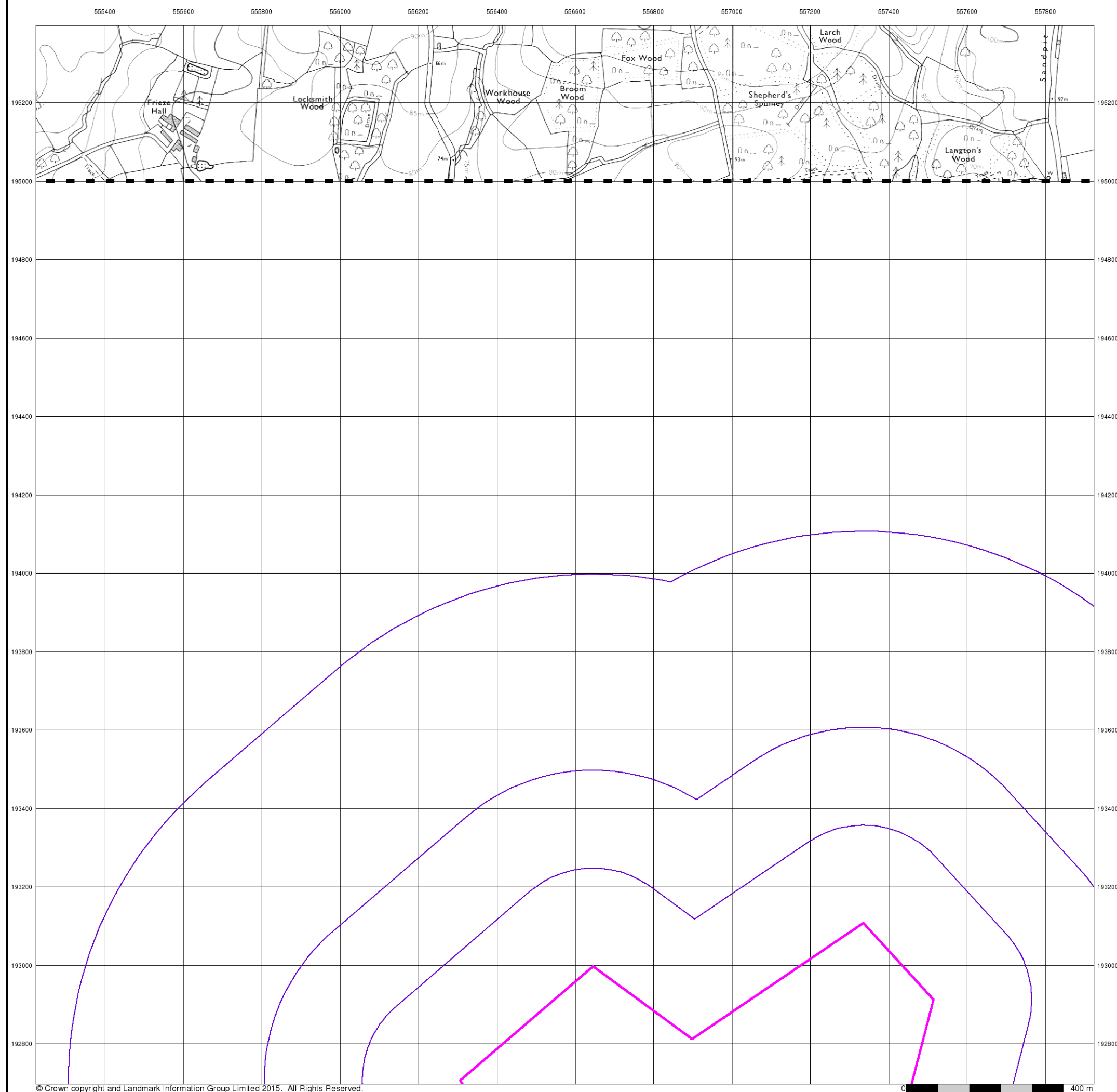


### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 1999

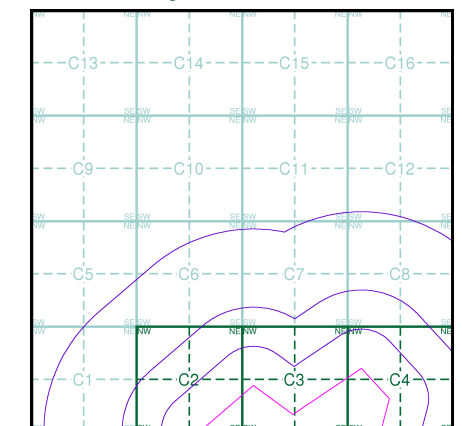
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59NE	1999	1:10,000
TQ59SE	1999	1:10,000

## Historical Map - Slice C

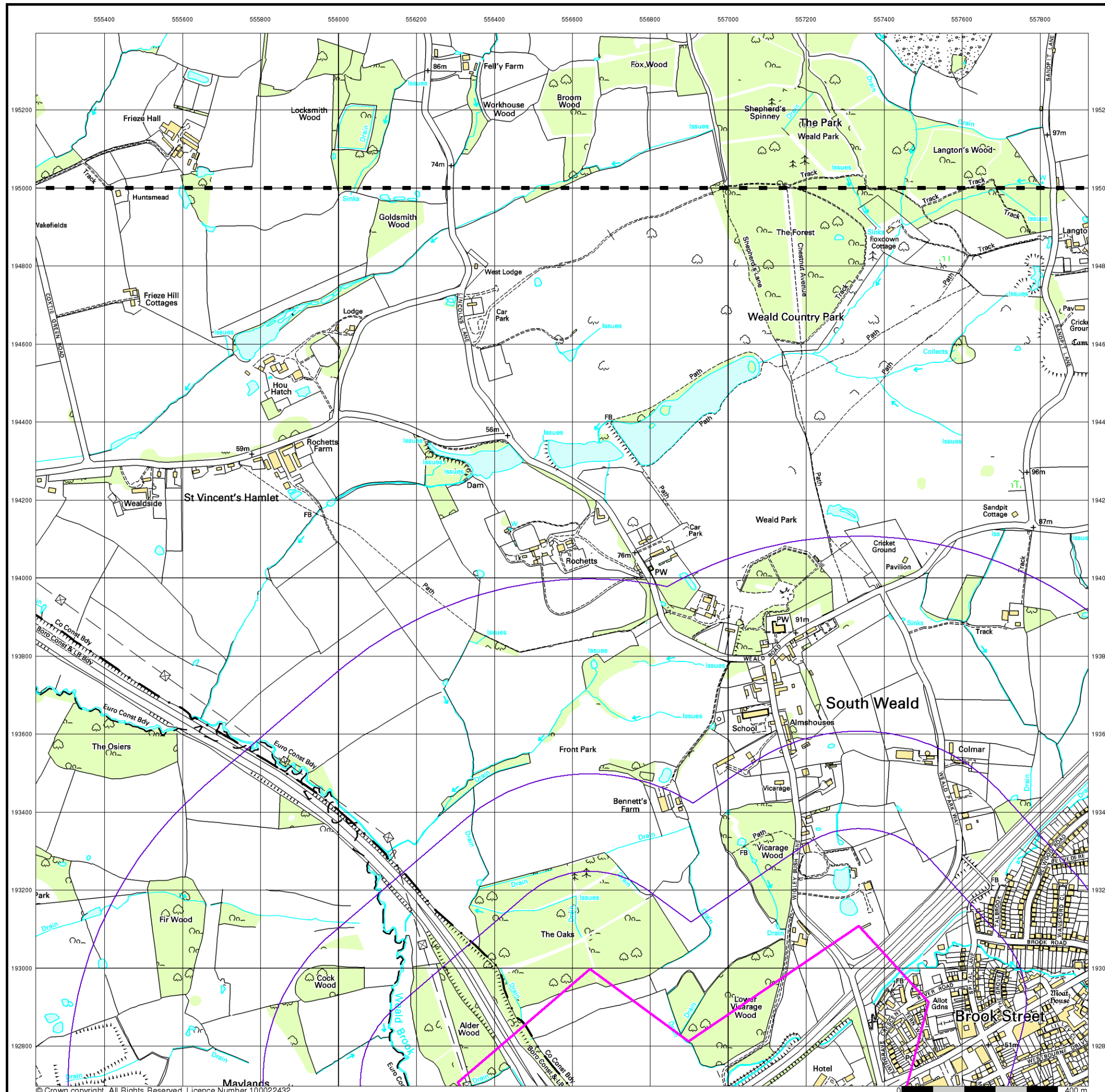


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 556770, 193310  
 Slice: C  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 2006

Source map scale - 1:10,000

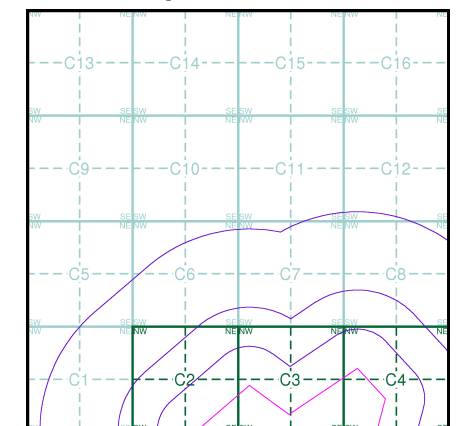
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

### Map Name(s) and Date(s)

TQ59NE  
2006  
1:10,000

TQ59SE  
2006  
1:10,000

### Historical Map - Slice C

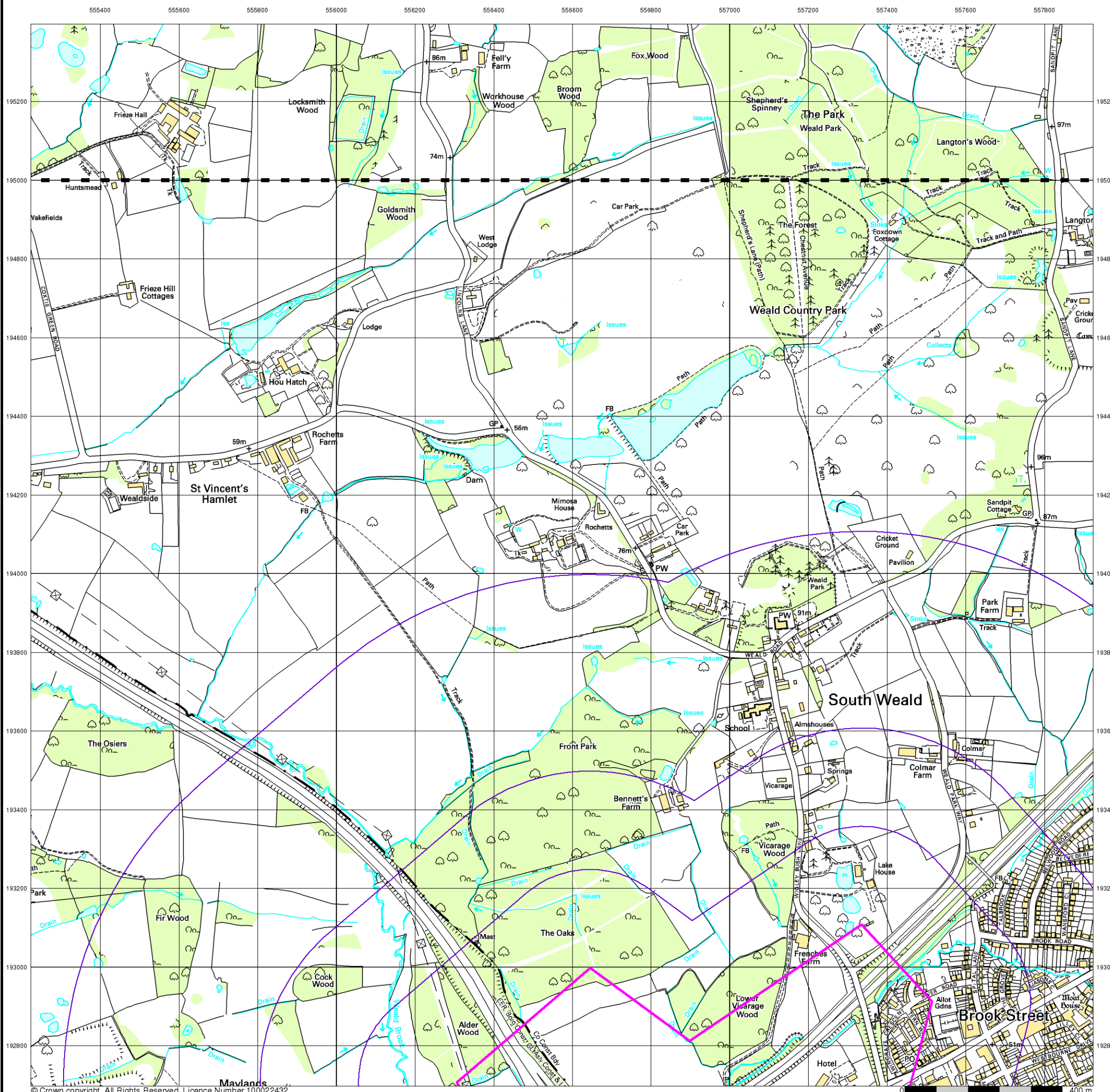


### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 556770, 193310  
Slice: C  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex









## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

88528679\_1\_1

**Customer Reference:**

RIS M25 J28

**National Grid Reference:**

558170, 193170

**Slice:**

D

**Site Area (Ha):**

98.11

**Search Buffer (m):**

1000

#### Site Details:

Site at

Brentwood

Essex

#### Client Details:

Ms T Radford

Atkins Ltd

The Wells

3-13 Church Street

Epsom

Surrey

KT17 4PF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	6
Hazardous Substances	-
Geological	7
Industrial Land Use	10
Sensitive Land Use	11
Data Currency	12
Data Suppliers	17
Useful Contacts	18

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

#### Copyright Notice

© Landmark Information Group Limited 2016. 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.

#### 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.

#### Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto: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 information and data supplied in the product are 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.

#### Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				3
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2			Yes	
Pollution Incidents to Controlled Waters	pg 2			1	5
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 3	1			
River Quality Biology Sampling Points	pg 4				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 5			Yes	n/a
Detailed River Network Offline Drainage					n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 6	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 6				1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 7	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 7	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 8				Yes
BGS Urban Soil Chemistry Averages	pg 8	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 9	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 9	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 9	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 10			1	1
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt	pg 11	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 11	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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	2	557450 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	2	557400 193050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	2	557350 193000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	2	557300 193100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	2	557400 193100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	2	557350 192300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	2	557400 192800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	2	557550 192050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	5	2	557450 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	53	2	557500 192450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NW (NW)	75	2	558175 193175
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SW (S)	83	2	558175 192900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2SW (SE)	116	2	558600 192750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	224	2	557650 193175
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	395	2	557650 193400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	405	2	557900 192400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	405	2	557600 193450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SW (S)	498	2	558050 192800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Discharge Consents</b> Operator: Beaulity Ltd Property Type: Car Storage/Stocking Site Location: Offices & Car Park, London Road, Brentwood, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cewr.0140 Permit Version: 1 Effective Date: 19th October 1972 Issued Date: 19th October 1972 Revocation Date: 3rd August 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Authorisation revokedRevoked</b> Positional Accuracy: Manually corrected supplier location	D1NW (SW)	615	3	558100 193100
2	<b>Discharge Consents</b> Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Pilgrims Close Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1698 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ingrebourne <b>Status: Temporary Consents (Water Act 1989, Section 113)</b> Positional Accuracy: Located by supplier to within 100m	D1SE (S)	794	3	558300 192800
2	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited Property Type: Sewerage Network - Sewers - Water Company Location: Kavanaghs Road,Brentwood Authority: Environment Agency, Thames Region Catchment Area: Non-Tidal (River Roding) Reference: Canm.0920 Permit Version: 1 Effective Date: 1st April 2006 Issued Date: 28th July 2005 Revocation Date: 16th May 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The River Ingrebourne <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	D1SE (S)	808	3	558312 192781
	<b>Nearest Surface Water Feature</b>	D1SW (SW)	392	-	558019 192911
3	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th January 1991 Incident Reference: NE910009 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	D1SW (SW)	445	3	557950 193000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 5th October 1994 Incident Reference: NE940750 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	D1SW (S)	586	3	558100 192895
4	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 6th September 1994 Incident Reference: NE940685 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	D1SW (S)	586	3	558100 192900
5	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 27th June 1994 Incident Reference: NE940460 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	D1SE (S)	794	3	558300 192800
5	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 11th October 1998 Incident Reference: THNE1998040847 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	D1SE (SE)	843	3	558350 192800
6	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: London Road, BRENTWOOD Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th September 1995 Incident Reference: NE950567 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	D1SE (SE)	900	3	558400 192750
	<b>River Quality</b> Name: Ingrebourne GQA Grade: River Quality A Reach: Bk Street - Brentwood Stw Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	D1SW (SW)	0	3	558041 192975



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>River Quality Biology Sampling Points</b> Name: Ingrebourne Reach: Brook Street To Brentwood Stw Estimated Distance: 3.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	D1SE (S)	776	3	558290 192880
	<b>Water Abstractions</b> Operator: A R & J E Mcturk Licence Number: 08/37/55/0077 Permit Version: 101 Location: Unnamed Watercourse At Calcott Hall Farm, Brentwood Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 873 Yearly Rate (m3): 22730 Details: Calcott Hall Farm, Ongar Road, Brentwood, Essex Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 4th August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D9NW (N)	1575	3	558220 194410
	<b>Water Abstractions</b> Operator: A. R. & J. E. Mcturk Licence Number: 08/37/55/0067 Permit Version: Not Supplied Location: Ongar Road, BRENTWOOD, Essex Authority: Environment Agency, Thames Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: River/Stream Intake Daily Rate (m3): 136 Yearly Rate (m3): 3410 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D9NW (N)	1589	3	558100 194500
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	D1NW (W)	0	3	558101 193177
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	(NW)	0	3	557895 193681
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	D1NW (NW)	0	2	558175 193175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	D1NW (W)	0	2	558080 193140
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	D1SE (SE)	0	2	558282 192941
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1SW (S)	0	3	558100 192870
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1SW (S)	0	3	558100 192870
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
8	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1SW (S)	398	3	558244 192890
	<b>Detailed River Network Offline Drainage</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Brentwood District Council - Has supplied landfill data		0	4	558175 193175
	<b>Local Authority Landfill Coverage</b> Name: Essex County Council - Has supplied landfill data		0	5	558175 193175
9	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	D1NW (W)	552	-	557957 193241



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Thames Group	D1NW (NW)	0	2	558175 193175
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (S)	0	2	558047 192844
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D5SW (NW)	0	2	558000 193539
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SE (SE)	0	2	558282 192941
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (S)	331	2	558175 193000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	D1NW (NW)	494	2	558175 193175
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (S)	631	2	558129 192726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	D9SE (NE)	790	2	558592 194082
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 558191, 193283 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 27.80 mg/kg Concentration: Cadmium Measured 2.00 mg/kg Concentration: Chromium Measured 128.30 mg/kg Concentration: Lead Measured 573.00 mg/kg Concentration: Nickel Measured 46.60 mg/kg Concentration:	D1NW (N)	772	2	558191 193283
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum 1.00 mg/kg Concentration: Arsenic Average 17.00 mg/kg Concentration: Arsenic Maximum 161.00 mg/kg Concentration: Cadmium Minimum 0.10 mg/kg Concentration: Cadmium Average 0.90 mg/kg Concentration: Cadmium Maximum 165.20 mg/kg Concentration: Chromium Minimum 13.00 mg/kg Concentration: Chromium Average 79.00 mg/kg Concentration: Chromium Maximum 2094.00 mg/kg Concentration: Lead Minimum 11.00 mg/kg Concentration: Lead Average 280.00 mg/kg Concentration: Lead Maximum 10000.00 mg/kg Concentration: Nickel Minimum 2.00 mg/kg Concentration: Nickel Average 28.00 mg/kg Concentration: Nickel Maximum 506.00 mg/kg Concentration:	D1NW (NW)	0	2	558175 193175
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (S)	0	2	558047 192844
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D5SW (N)	0	2	558041 193553
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D1NW (NW)	0	2	558175 193175



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<b>Contemporary Trade Directory Entries</b> Name: Toptype Ltd Location: 4, Brook Road, Brentwood, CM14 4PT Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	D1NW (SW)	430	-	557924 193041
11	<b>Contemporary Trade Directory Entries</b> Name: Greenhams Location: 12, South Weald Road, Brentwood, Essex, CM14 4QZ Classification: French Polishing <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D1NW (N)	729	-	558160 193251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Areas of Adopted Green Belt</b> Authority: Brentwood Borough Council Plan Name: Brentwood Replacement Local Plan Status: <b>Adopted</b> Plan Date: 25th August 2005	D5SW (N)	0	4	558176 193380
13	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	D1NW (NW)	0	8	558175 193175

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Brentwood Borough Council - Environmental Health Department	March 2014	Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region Environment Agency - Thames Region	April 2016 April 2016	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Brentwood Borough Council - Environmental Health Department	March 2013	Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Brentwood Borough Council - Environmental Health Department	March 2013	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Brentwood Borough Council - Environmental Health Department	March 2013	Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region Environment Agency - Thames Region	September 1999 September 1999	Not Applicable Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area	April 2016	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region Environment Agency - Thames Region	January 2016 January 2016	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly



Agency & Hydrological	Version	Update Cycle
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area	May 2016	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area	April 2016	Quarterly
<b>Local Authority Landfill Coverage</b> Brentwood Borough Council Essex County Council	May 2000 May 2000	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Brentwood Borough Council Essex County Council	June 2003 November 2004	Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable

<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Brentwood Borough Council Essex County Council	February 2016 February 2016	Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Brentwood Borough Council Essex County Council	February 2016 February 2016	Annual Rolling Update Annual Rolling Update
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>BGS Urban Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	February 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	June 2016	Quarterly
<b>Points of Interest - Education and Health</b> PointX	June 2016	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	June 2016	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	June 2016	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	June 2016	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually



<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Adopted Green Belt</b> Brentwood Borough Council	May 2016	As notified
<b>Areas of Unadopted Green Belt</b> Brentwood Borough Council	November 201	As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	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	 <b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> 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
2	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
4	<b>Brentwood Borough Council</b> Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200352 Website: <a href="http://www.brentwood-council.gov.uk">www.brentwood-council.gov.uk</a>
5	<b>Essex County Council</b> County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: <a href="http://www.essexcc.gov.uk">www.essexcc.gov.uk</a>
6	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: <a href="http://www.pointx.co.uk">www.pointx.co.uk</a>
7	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
8	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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



# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

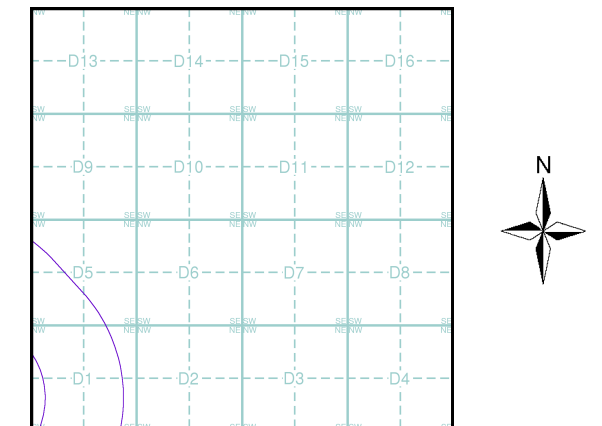
## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1897 - 1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1945 - 1947	7
Historical Aerial Photography	1:10,560	1945	8
Ordnance Survey Plan	1:10,000	1960 - 1961	9
Ordnance Survey Plan	1:10,000	1967 - 1969	10
Ordnance Survey Plan	1:10,000	1970 - 1977	11
Ordnance Survey Plan	1:10,000	1978	12
Ordnance Survey Plan	1:10,000	1985	13
London	1:25,000	1985	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
10K Raster Mapping	1:10,000	1999	16
Historical Aerial Photography	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

## Historical Map - Slice D



## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex

Russian Military Mapping Legends

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

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings    Military and Industrial Buildings

Military and Communication Areas    Subway Entrance

Fireproof Building    Prominent Fireproof Building

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

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

Power Station, drawn to scale    Hydroelectric Power Station

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

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

Pit    Oil Deposit or Well    Oil Seepage

Tailings Pile    Fuel Storage Tanks    Natural Gas Tank

Bench Mark    Drill Hole    Burial Mound    Triangulation Point on Burial Mound

Single-track Railroad    Double-track Railroad and Station Building

Coniferous Forest    Deciduous Forest    Mixed Forest

Lawns    Citrus Orchard    Wet Ground    Scattered Vegetation

243.8    Values for prominent elevations

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

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

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

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

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings    Military and Industrial Buildings

Military and Communication Areas    Subway Entrance

Partly Demolished Buildings    Demolished Buildings

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

Individual Fireproof Building    Prominent Industrial Building

Individual Dwelling, Fireproof    Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark    Bench Mark (monumented)    Telegraph Office    Telephone Station

Radio Station    Radio Tower    Airfield or Seaplane Base    Landing Strip

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

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

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

Well    Water Reservoir or Rain Water Pit    Spring    Isobath with value

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

Coniferous    Deciduous    Mixed    Scrub

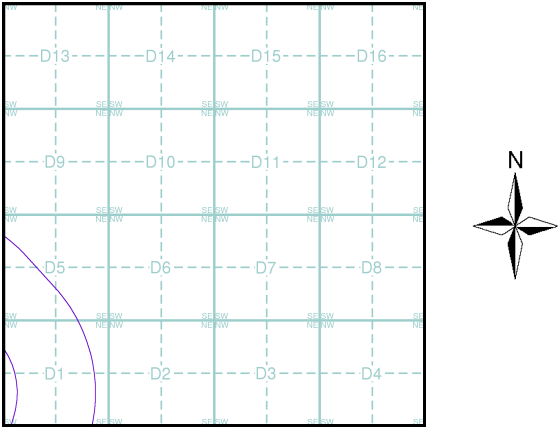
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:10,560	1881	3
Essex	1:10,560	1897 - 1898	4
Essex	1:10,560	1921	5
Essex	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1945 - 1947	7
Historical Aerial Photography	1:10,560	1945	8
Ordnance Survey Plan	1:10,000	1960 - 1961	9
Ordnance Survey Plan	1:10,000	1967 - 1969	10
Ordnance Survey Plan	1:10,000	1970 - 1977	11
Ordnance Survey Plan	1:10,000	1978	12
Ordnance Survey Plan	1:10,000	1985	13
London	1:25,000	1985	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
10K Raster Mapping	1:10,000	1999	16
Historical Aerial Photography	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

Russian Map - Slice D



Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

Site Details

Site at, Brentwood, Essex



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



## Essex

Published 1881

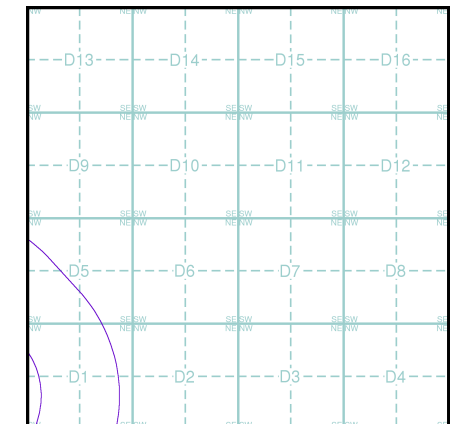
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)

05900	1881	1:10,560
06700	1881	1:10,560

## Historical Map - Slice D

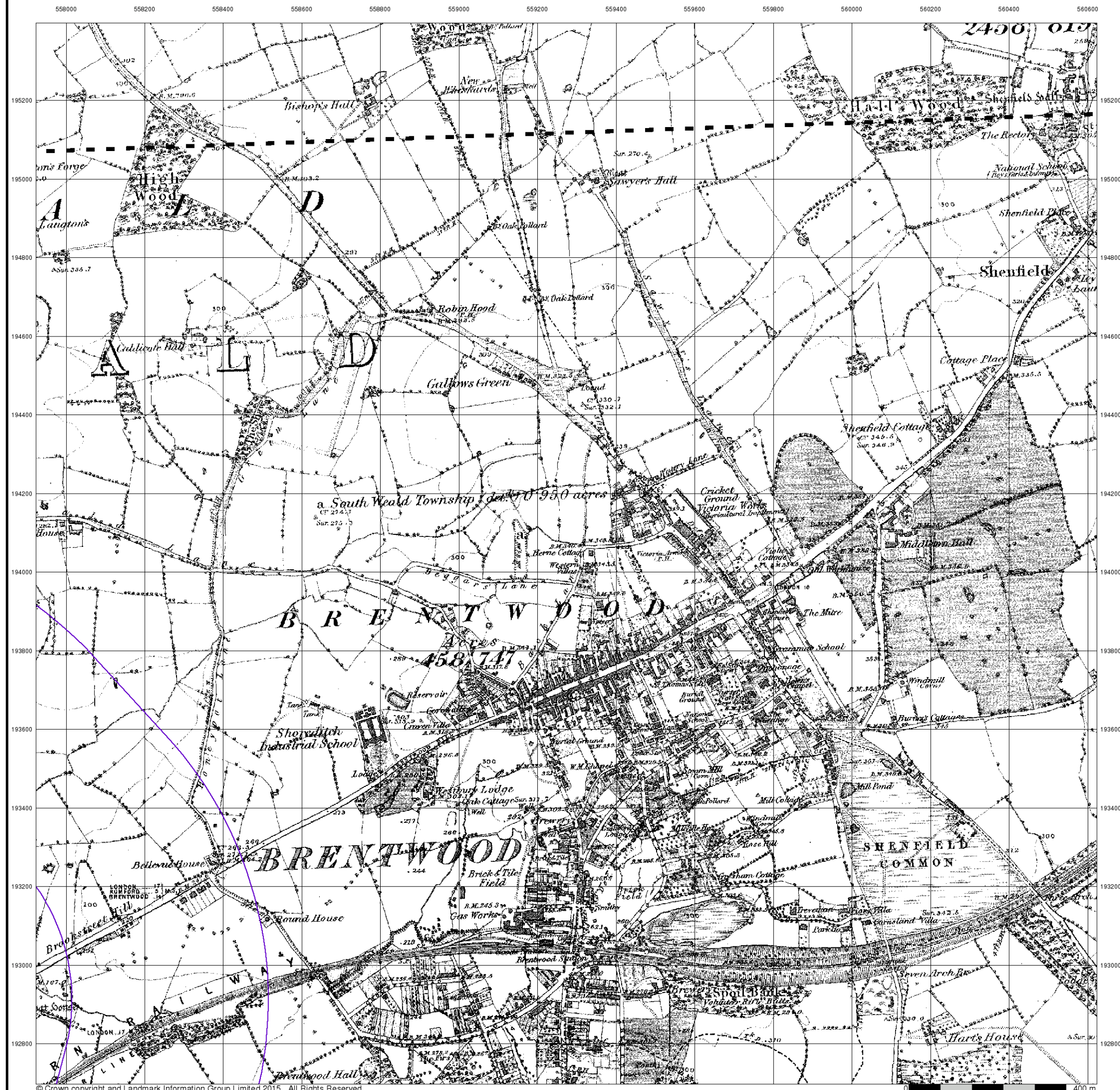


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Essex

Published 1897 - 1898

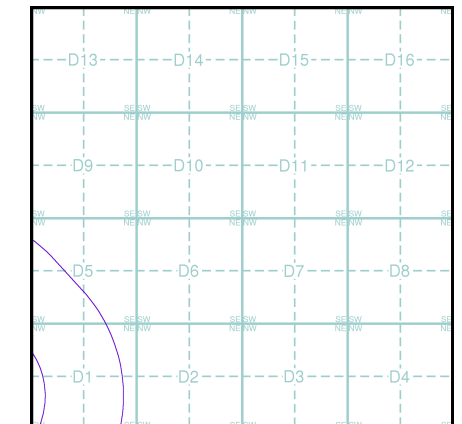
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)

059SW 1897 1:10,560	059SE 1897 1:10,560
067NW 1898 1:10,560	067NE 1898 1:10,560

## Historical Map - Slice D

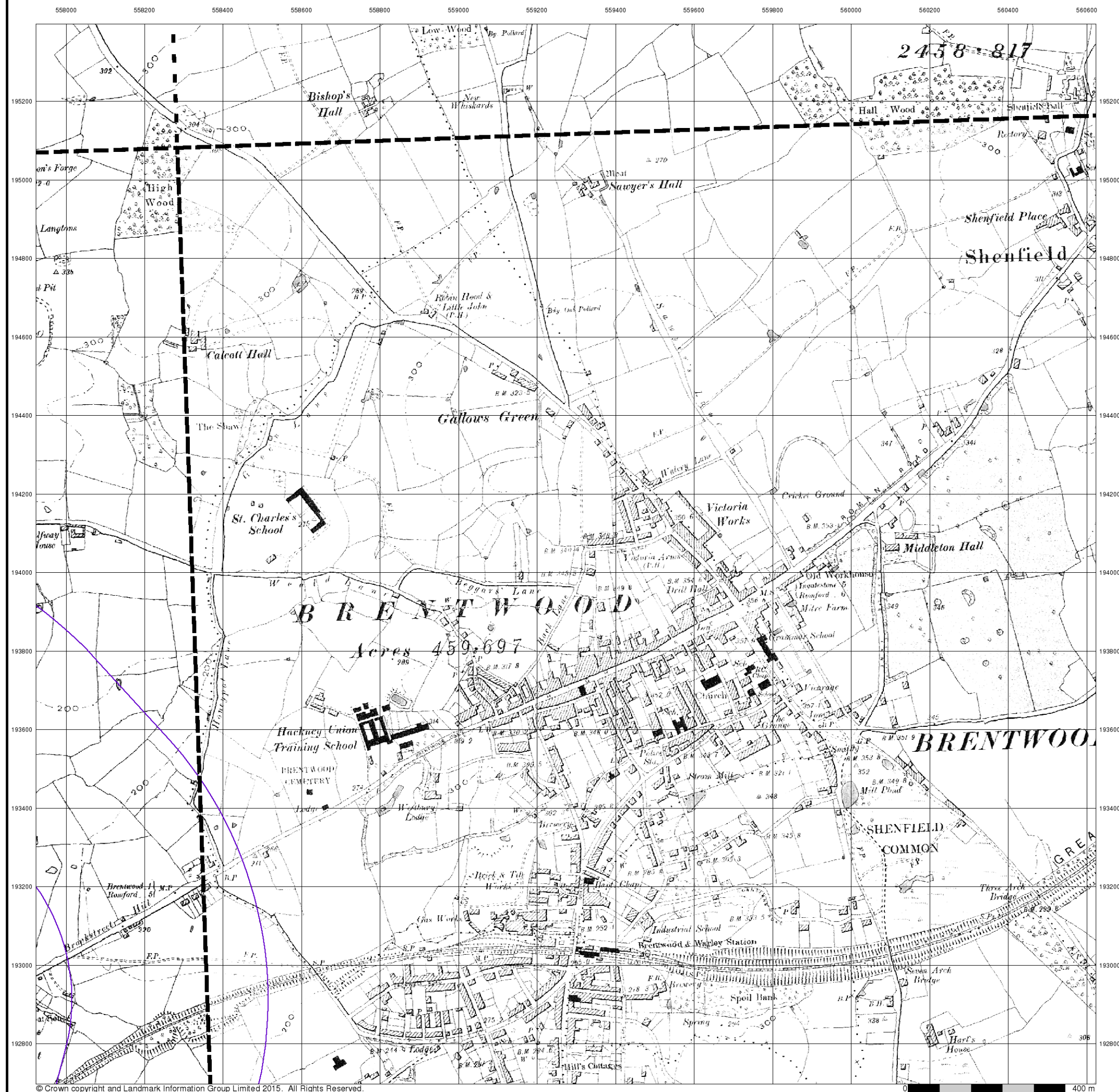


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





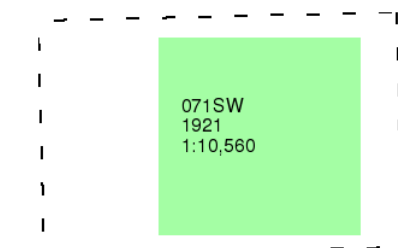
## Essex

Published 1921

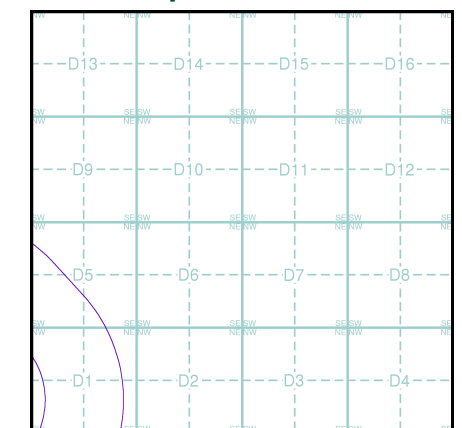
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)



## Historical Map - Slice D

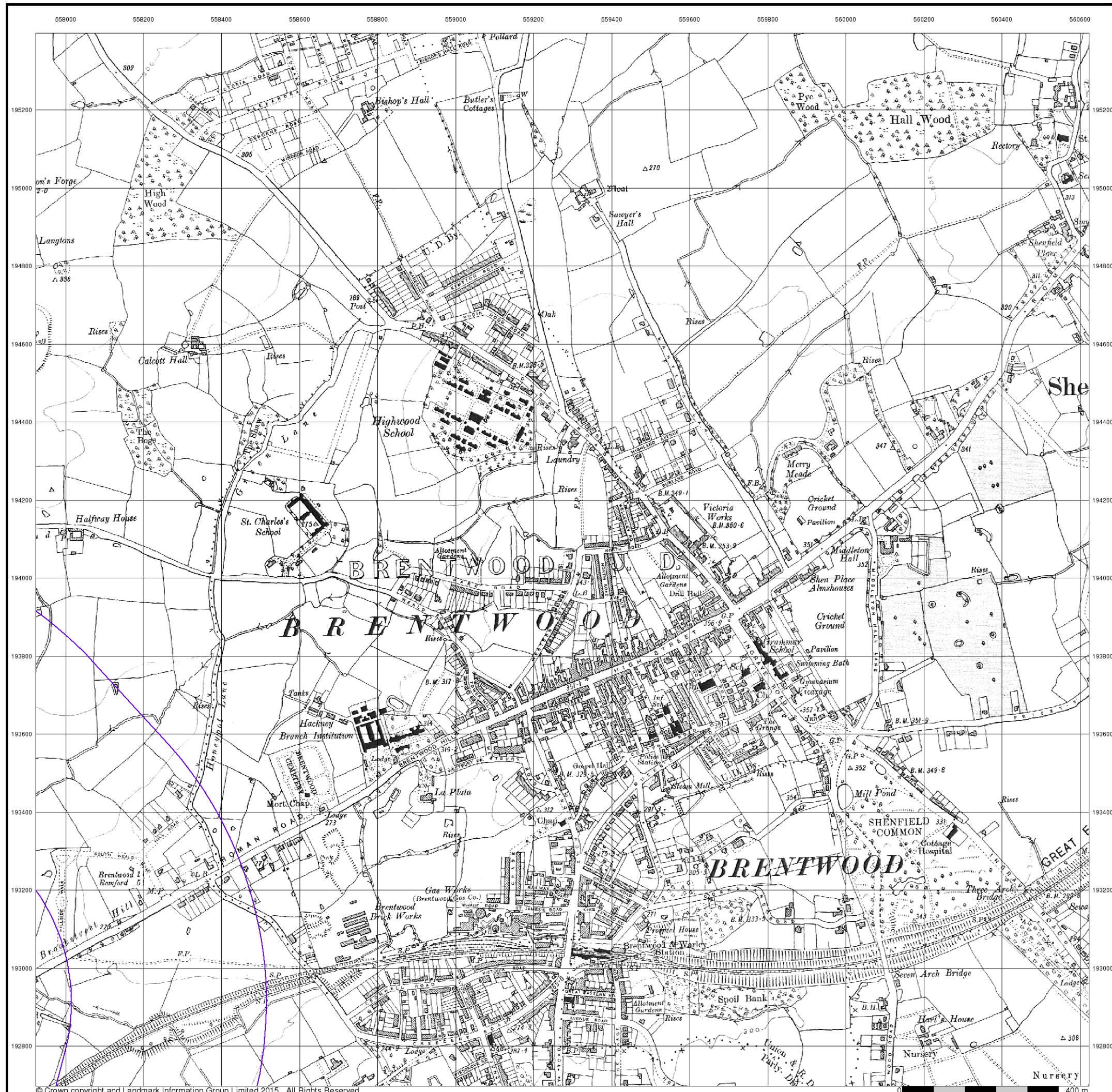


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





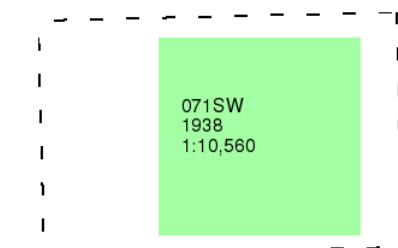
## Essex

Published 1938

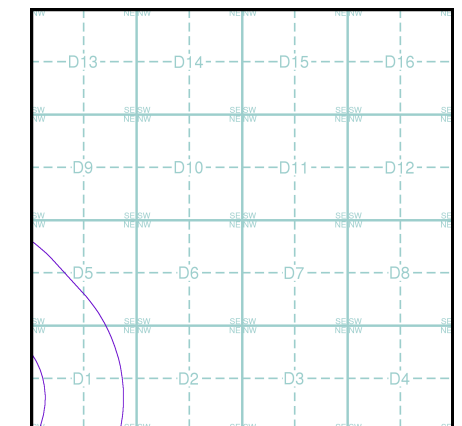
Source map scale - 1:10,560

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

## Map Name(s) and Date(s)



## Historical Map - Slice D

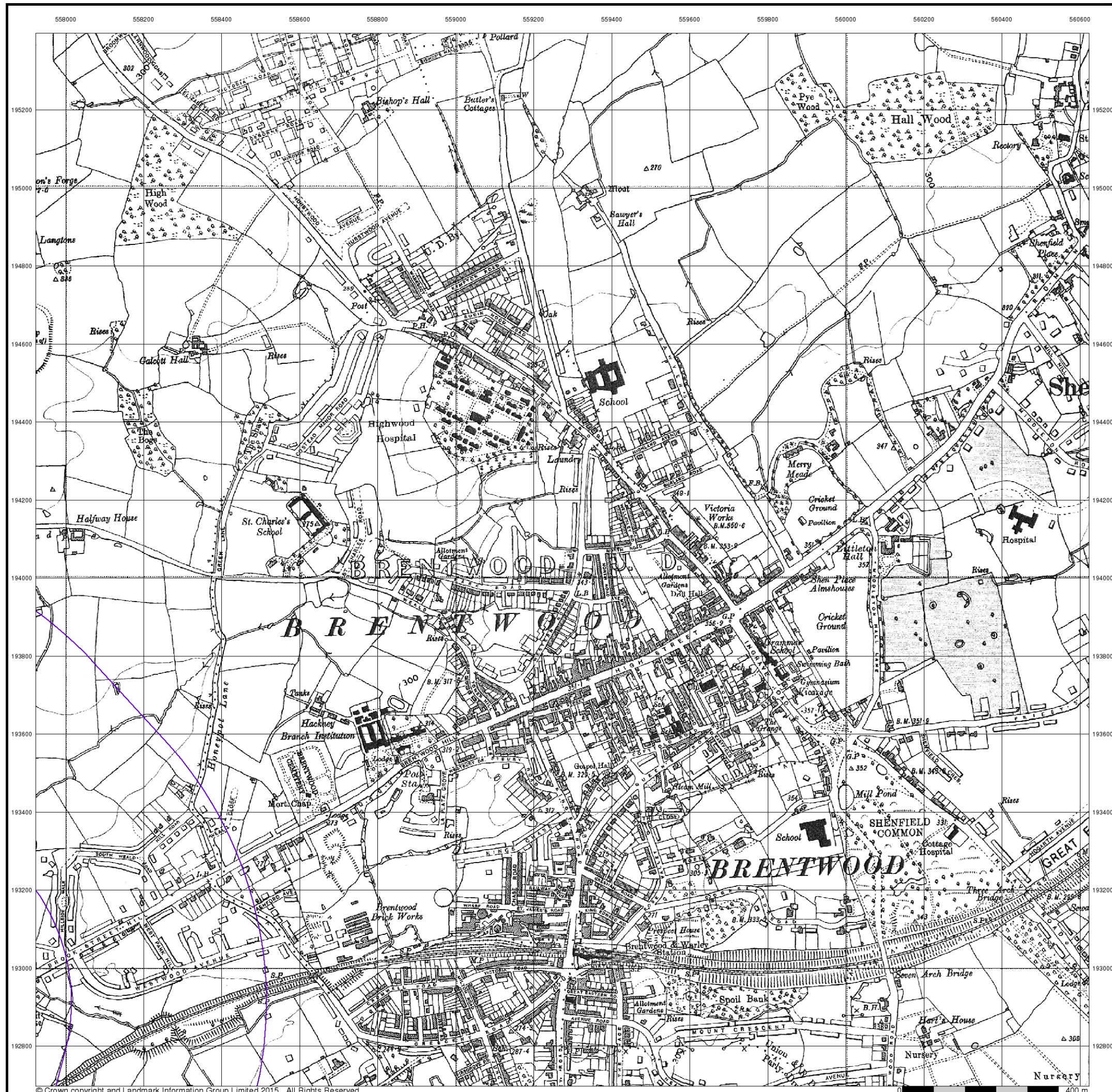


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Historical Aerial Photography

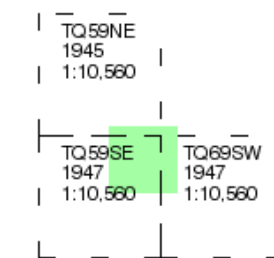
Published 1945 - 1947

Source map scale - 1:10,560

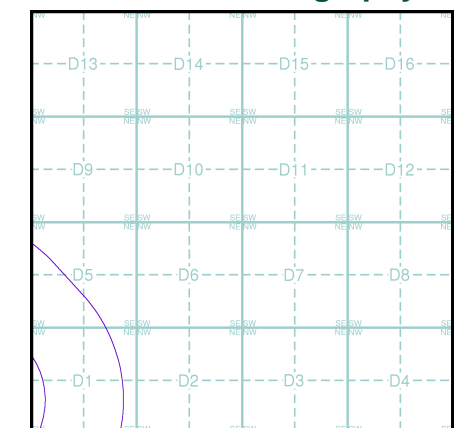
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

© Landmark Information Group and/or Data Suppliers 2010.

### Map Name(s) and Date(s)



### Historical Aerial Photography - Slice D



### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex



## Ordnance Survey Plan

Published 1960 - 1961

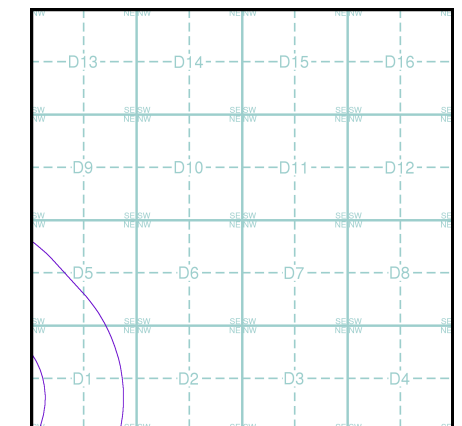
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59NE	TQ69NW
1961	1961
1:10,560	1:10,560
TQ59SE	TQ69SW
1961	1960
1:10,560	1:10,560

## Historical Map - Slice D



## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





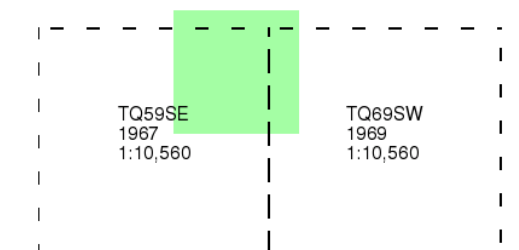
## Ordnance Survey Plan

Published 1967 - 1969

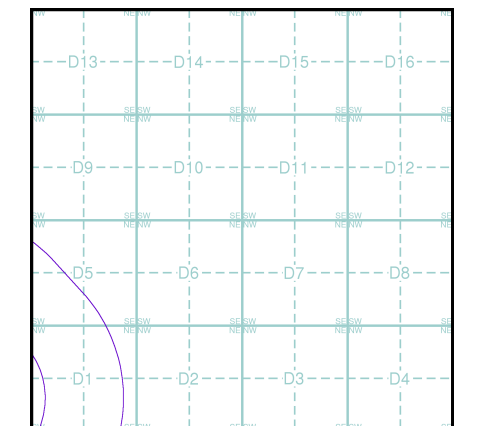
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice D

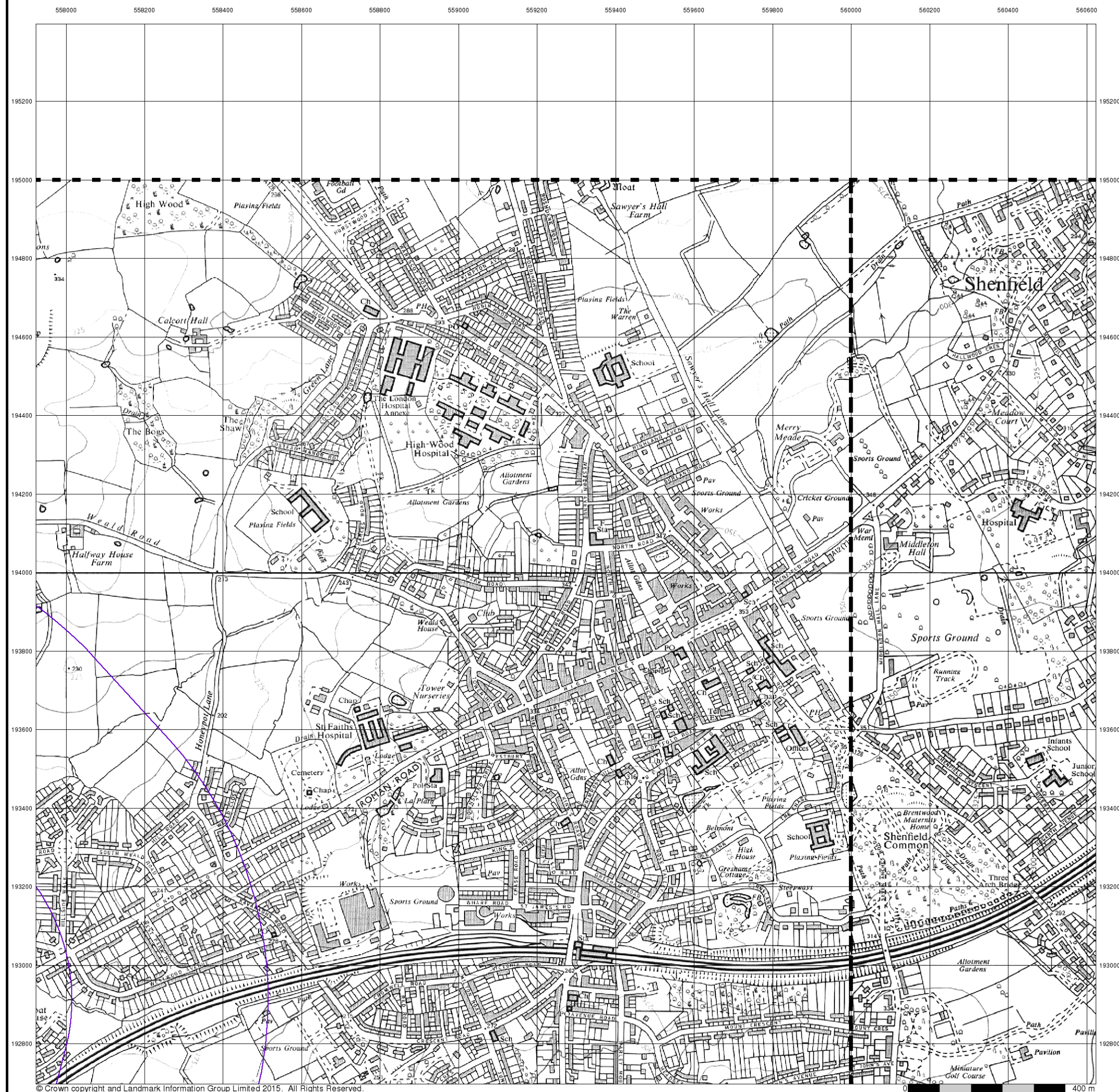


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## Ordnance Survey Plan

Published 1970 - 1977

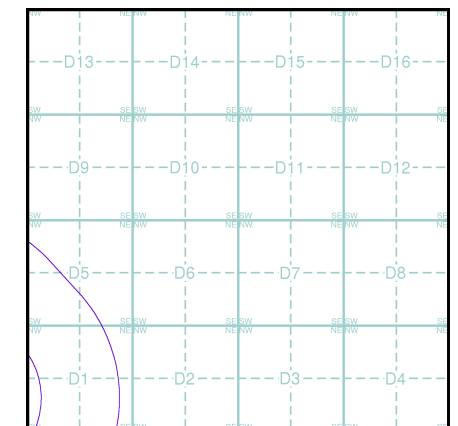
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59NE	TQ69NW
1974	1970
1:10,000	1:10,000
TQ59SE	TQ69SW
1974	1977
1:10,000	1:10,000

## Historical Map - Slice D



## Order Details

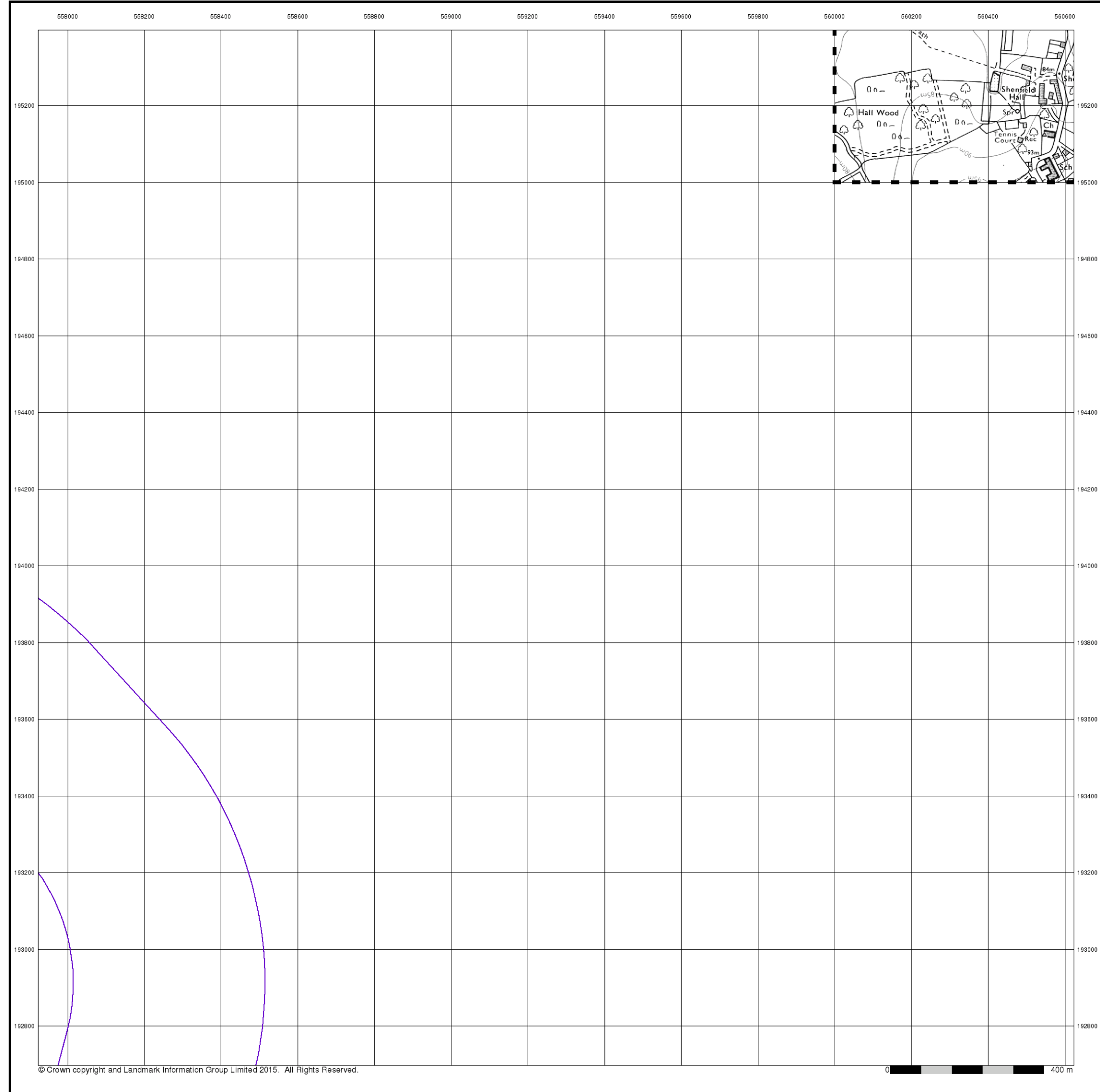
Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex







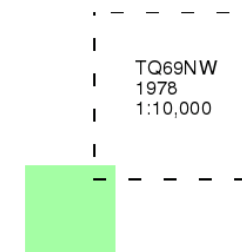
## Ordnance Survey Plan

### Published 1978

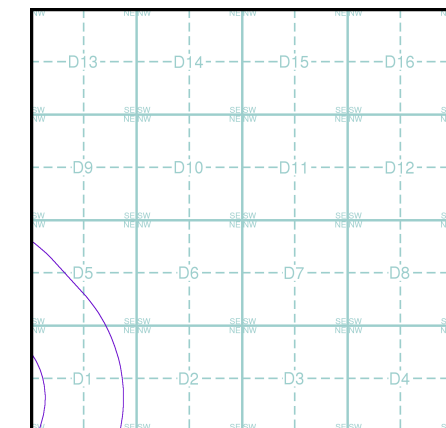
### Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice D



### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

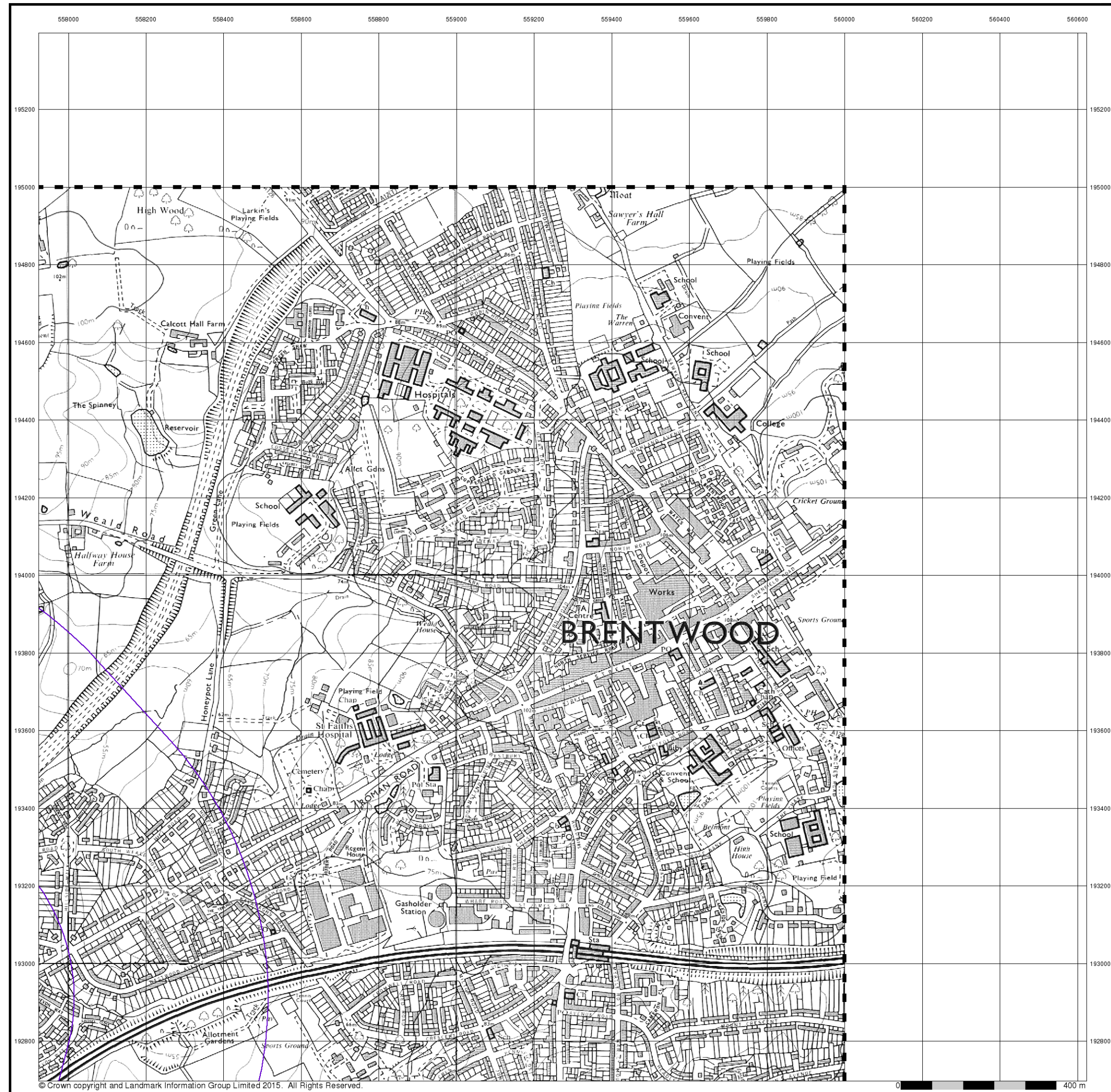
### Site Details

Site at, Brentwood, Essex



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





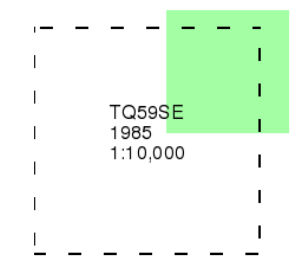
## Ordnance Survey Plan

### Published 1985

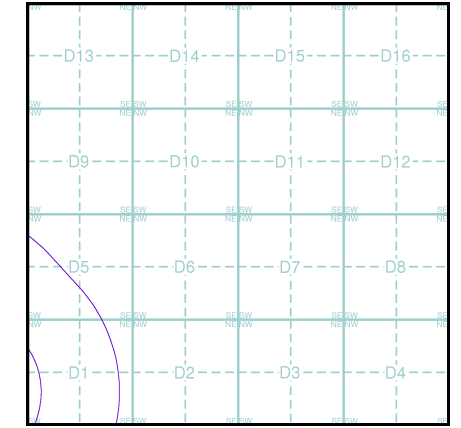
### Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice D



### Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex



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



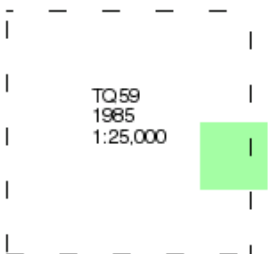
London

Published 1985

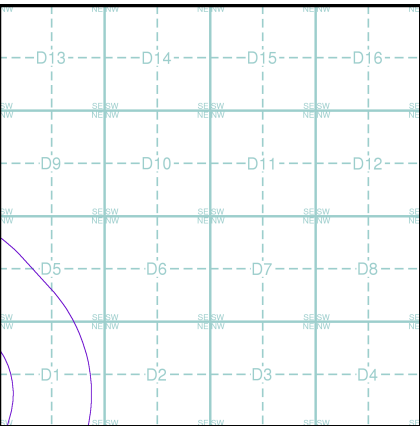
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice D



Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

Site Details

Site at, Brentwood, Essex

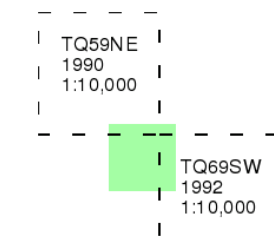
## Ordnance Survey Plan

Published 1990 - 1992

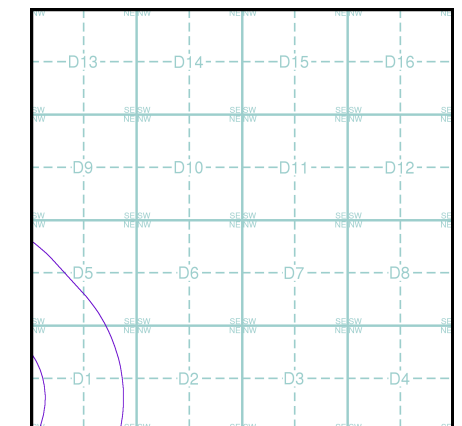
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice D

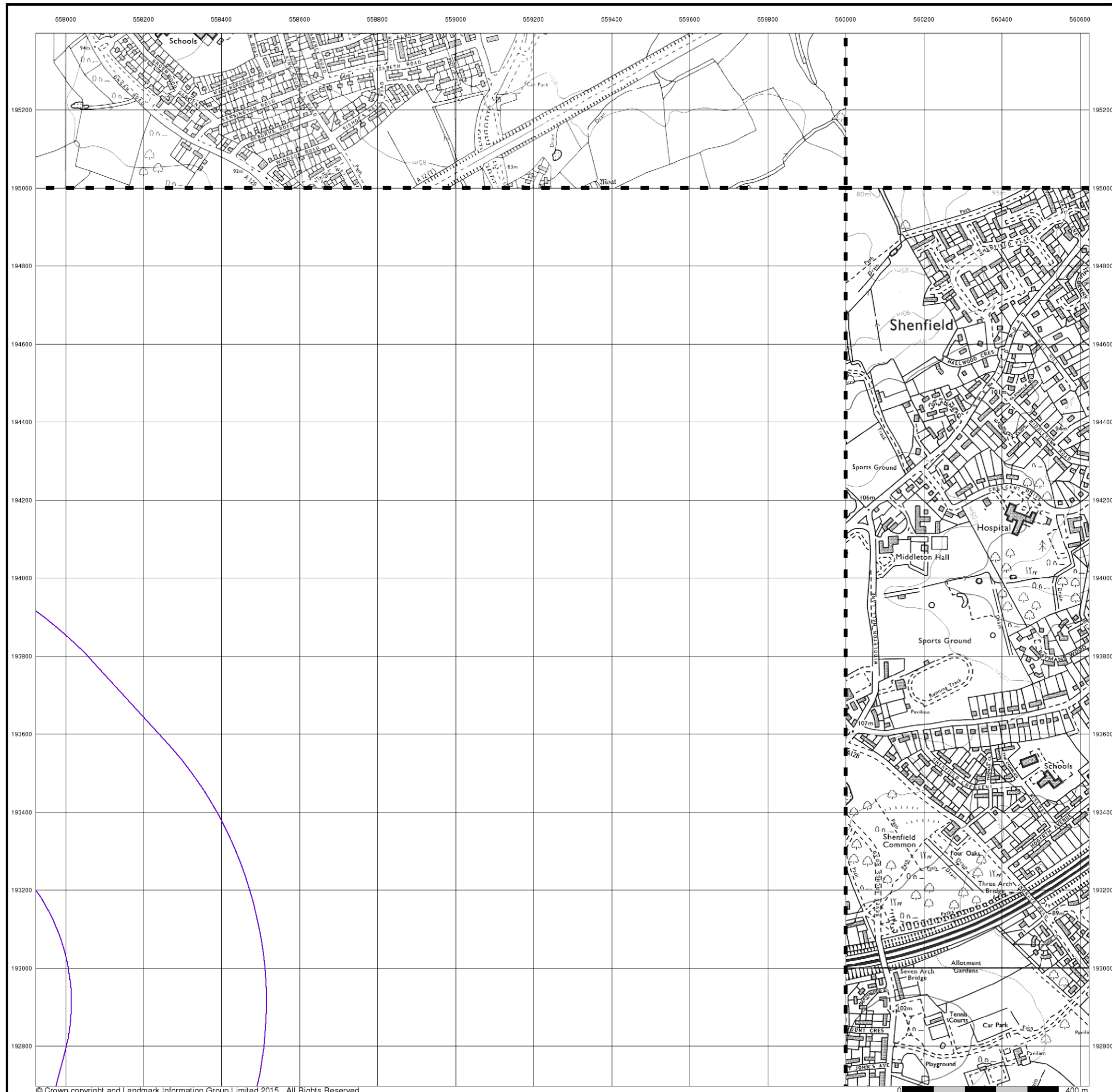


## Order Details

Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





## 10k Raster Mapping

Published 1999

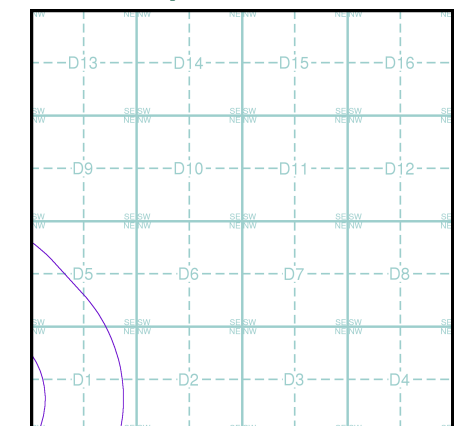
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59NE	TQ69NW
1999	1999
1:10,000	1:10,000
TQ59SE	TQ69SW
1999	1999
1:10,000	1:10,000

### Historical Map - Slice D



### Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

### Site Details

Site at, Brentwood, Essex







## 10k Raster Mapping

### Published 2006

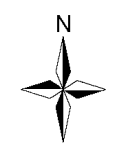
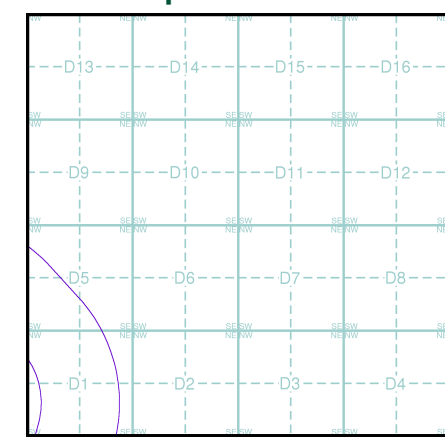
### Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

TQ59NE 2006 1:10,000	TQ69NW 2006 1:10,000
TQ59SE 2006 1:10,000	TQ69SW 2006 1:10,000

### Historical Map - Slice D



**Order Details**  
Order Number: 88528679\_1\_1  
Customer Ref: RIS M25 J28  
National Grid Reference: 558170, 193170  
Slice: D  
Site Area (Ha): 98.11  
Search Buffer (m): 1000

**Site Details**  
Site at, Brentwood, Essex



## VectorMap Local

Published 2016

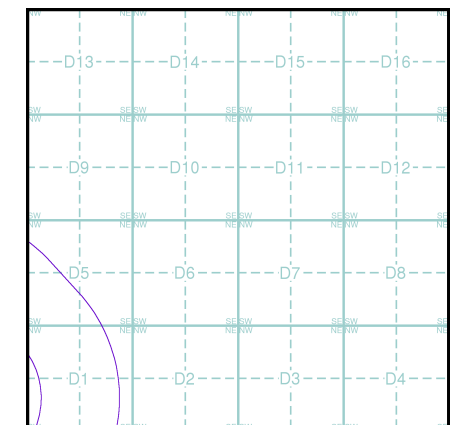
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)

TQ59NE 2016 Variable	TQ69NW 2016 Variable
TQ59SE 2016 Variable	TQ69SW 2016 Variable

## Historical Map - Slice D

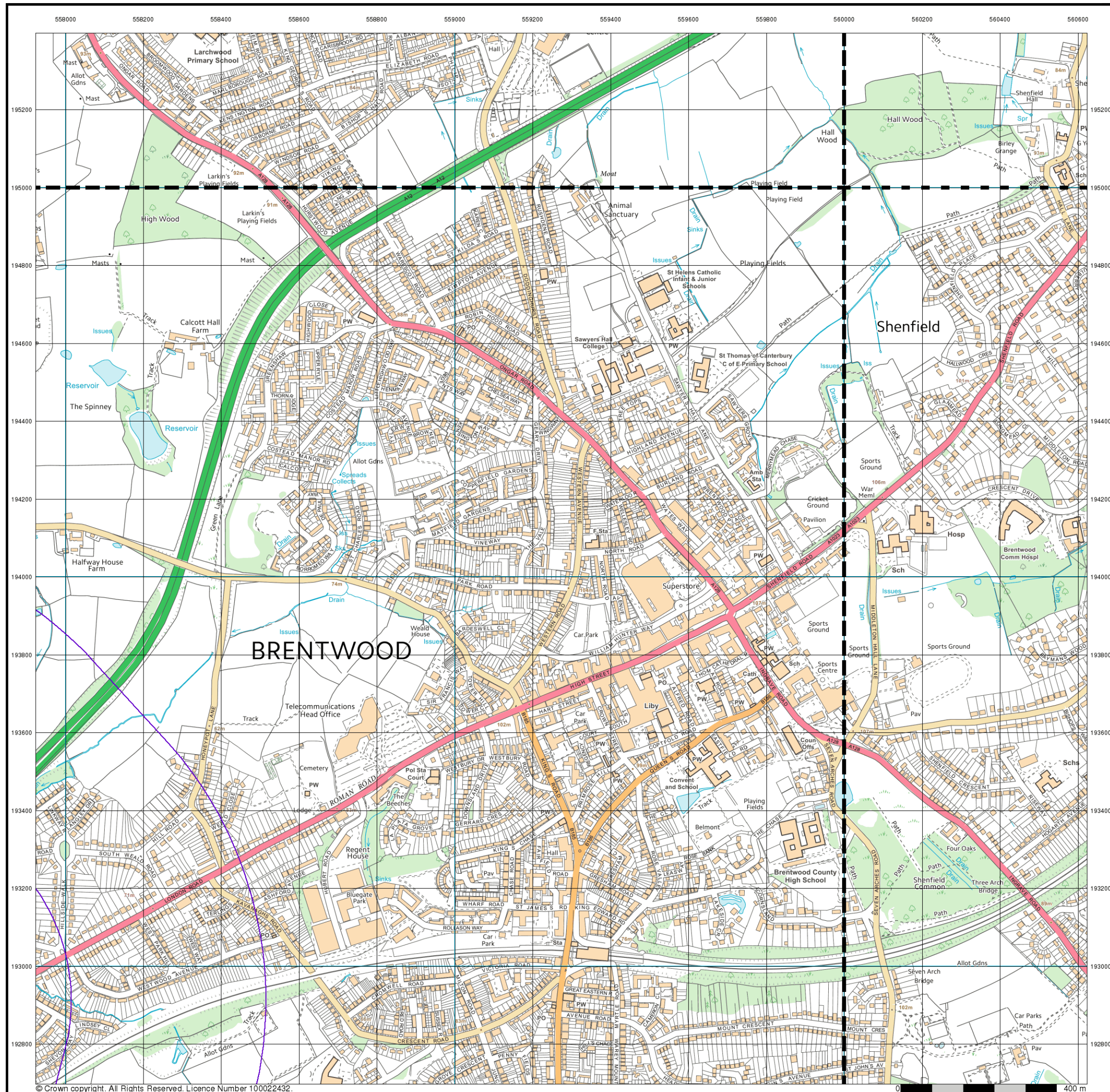


## Order Details

Order Number: 88528679\_1\_1  
 Customer Ref: RIS M25 J28  
 National Grid Reference: 558170, 193170  
 Slice: D  
 Site Area (Ha): 98.11  
 Search Buffer (m): 1000

## Site Details

Site at, Brentwood, Essex





© Crown copyright (2020).

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

visit [www.nationalarchives.gov.uk/doc/open-government-licence/](http://www.nationalarchives.gov.uk/doc/open-government-licence/)  
write to the Information Policy Team, **The National Archives, Kew, London TW9 4DU**,  
or email [psi@nationalarchives.gsi.gov.uk](mailto:psi@nationalarchives.gsi.gov.uk).

Printed on paper from well-managed forests and other controlled sources.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ  
Highways England Company Limited registered in England and Wales number 09346363

