

EnviroSmart



Phase 1 Contaminated Land Assessment

Site address

85 Malborough Way
Billericay
Essex
CM12 0YJ

Date issued

January 2024

Report status

Final

Grid Reference

567260, 196240

Site Area

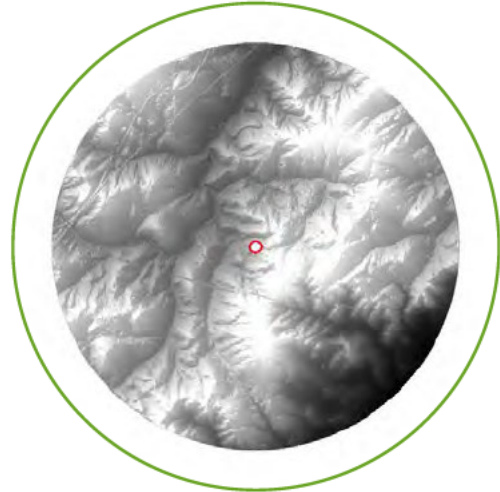
0.03 ha

Report prepared for

Stuart Gilchrist
85 Malborough Way
Billericay
Essex
CM12 0YJ

Report reference

81206R1



Risk – Low

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient. An asbestos survey should also be considered.

Report author

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The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study site. GeoSmart are providing consultancy and professional opinion based upon our collation, interpretation and assessment of information contained within an Envirocheck report, and other sources where expressly stated (i.e. site visits, photographs, and anecdotal evidence). It is acknowledged that the risk assessment findings are based on documentary sources of information alone.

Site analysis

1. Probability/likelihood of a contaminant hazard at the Site	High likelihood	
	Likely	
	Low likelihood	
	Unlikely	
2. Potential severity/consequence of any impacts	Severe	
	Medium	
	Mild	
	Minor	
3. Overall land quality risks posed by the Site	Very high	
	High	
	Moderate	
	Moderate/low	
	Low	
	Very low	

Summary of existing and proposed development

The Site is currently occupied by a two storey end-terrace dwelling, with associated car parking and front and rear gardens. Development proposals comprise the construction of a two storey rear and side extension to the existing dwelling, as well as the construction of a front single storey extension.

Environmental Setting

British Geological Survey mapping indicates the absence of any superficial deposits beneath the Site. The bedrock geology consists of the Claygate Member which is classified as a Secondary (A) Aquifer.

The nearest water feature is the an inland river, located c. 185 m north of the Site boundary.

There are no environmentally sensitive land uses within 500 m of the Site.

Site History

The Site was first developed in 1985 as the existing residential dwelling. The Site was previously part of a wider plot of land (assumed to be residential) but remained undeveloped during this period. A modest pond was recorded adjacent to and potentially infringing onto the Site during the c. 1940s and 1950s; the pond appears to have been backfilled by 1960. Off-Site land uses have been primarily residential, with no significant off-Site contaminant sources identified.

Radon

The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m³).

Coal Mining

The Site does not lie within an identified coal mining area and is therefore unlikely to be affected by related ground stability or mine gas issues.

Summary of Conceptual Site Model (CSM)

Source of Contamination

Based on the known land use history, no potentially significant contaminant sources have been identified.

Given the age of the existing building some asbestos containing materials may be locally present within the building fabric. However, in the absence of any previous demolition activities it is considered unlikely that any asbestos remains will be present within the surrounding soils.

A modest pond feature was located directly to the west of the Site during the mid 1900s; this feature appears to have been infilled by 1960. Given the modest scale of the pond, the absence of any soft standing garden space or proposed buildings over the former pond area, and also reflecting the appreciable amount of time that has elapsed since infilling occurred, the pond backfill is not considered to be a significant source of contamination.

Preliminary Risk Assessment

Overall, the preliminary risk classification of the Site in relation to the proposed redevelopment is considered to be Low.

Recommendations / Next Steps

No immediate action but observe a watching brief

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient.

Consider asbestos

Given that the removal of an external wall within the existing dwelling is proposed, an asbestos survey should be considered.

1. Introduction



1.1 Background

The study site (from herein known as 'the Site') is situated at 85 Malborough Way in Billericay, Essex. A location plan of the Site is shown in Section 1.5. A proposed development plan is shown in Section 1.6.

GeoSmart was commissioned by Stuart Gilchrist in January 2024 to undertake a Phase 1 Land Quality Assessment for the Site. The report has been requested by Basildon Borough Council in order to support Planning Application Reference 23/00890/FULL.

The proposed development is for the construction of a two storey rear and side extension to the existing dwelling, as well as the construction of a front single storey extension. The proposed development will remain a single dwelling and retain a rear garden area.

The EnviroSmart report has been undertaken by firstly compiling information concerning the Site and the surrounding area, including current and historical land uses, geological records and registered pollution incidents. The information which is gathered is then used to construct a 'conceptual site model', including an understanding of likely contaminant sources, pathways and receptors. Finally, a preliminary assessment of risks posed to identified receptors (i.e., people, buildings or the natural environment) from the anticipated land quality at the Site is performed. The risk assessment methodology is consistent with CIRIA C552 (2001); see Section 3.4 for details.

1.2 Purpose of this report

The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contamination hazards which may be present at the Site.

1.3 Report contents

This report is divided into two sections, as described below:

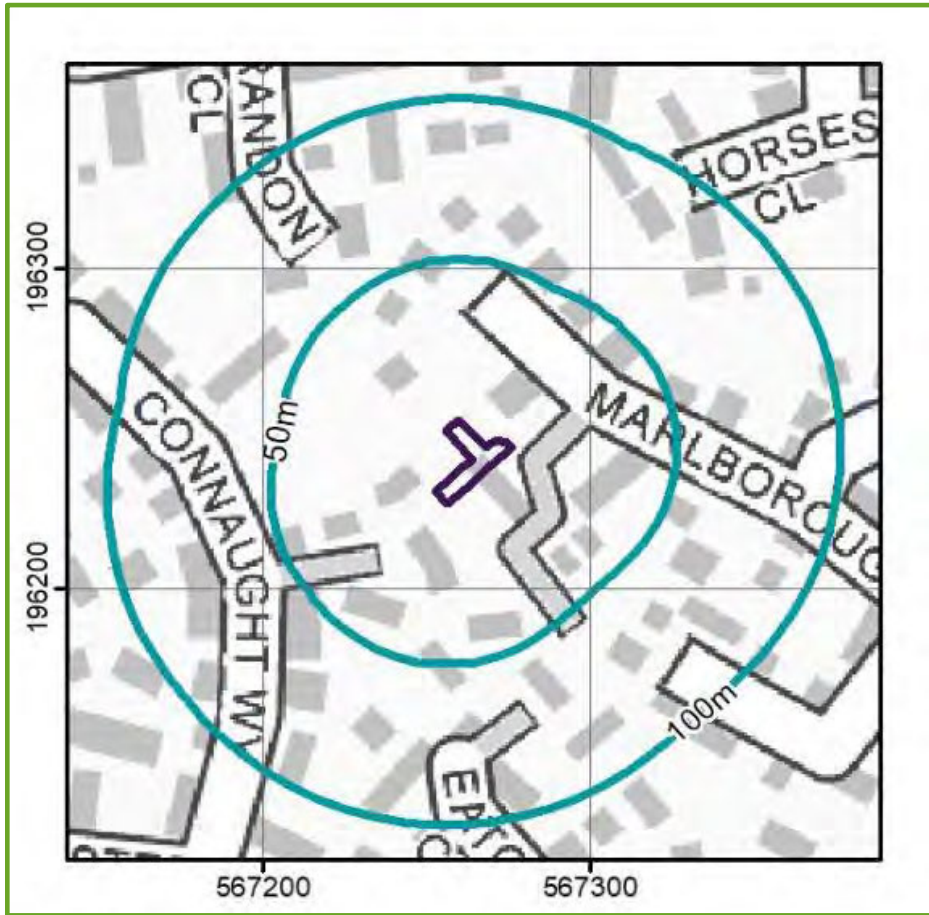
Section	Content	Purpose
Section 2: LAND QUALITY ASSESSMENT	A summary of the site history and environmental setting, the findings of the preliminary risk assessment and associated recommendations	To present a clear and concise overview of the land quality issues facing the Site, including recommendations of how to manage any land contamination which may be present
Section 3: SUPPORTING INFORMATION	A collection of site specific information on which the land quality assessment is based	To provide detailed information in support of the risk assessment; this section also represents a source of reference data for use in any subsequent site works/assessments

1.4 Report limitations

It is noted that the findings presented in this report are largely based on information supplied by third parties. Whilst we assume that all information is representative of past and present conditions we can offer no guarantee as to its validity.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

1.5 Site location plan

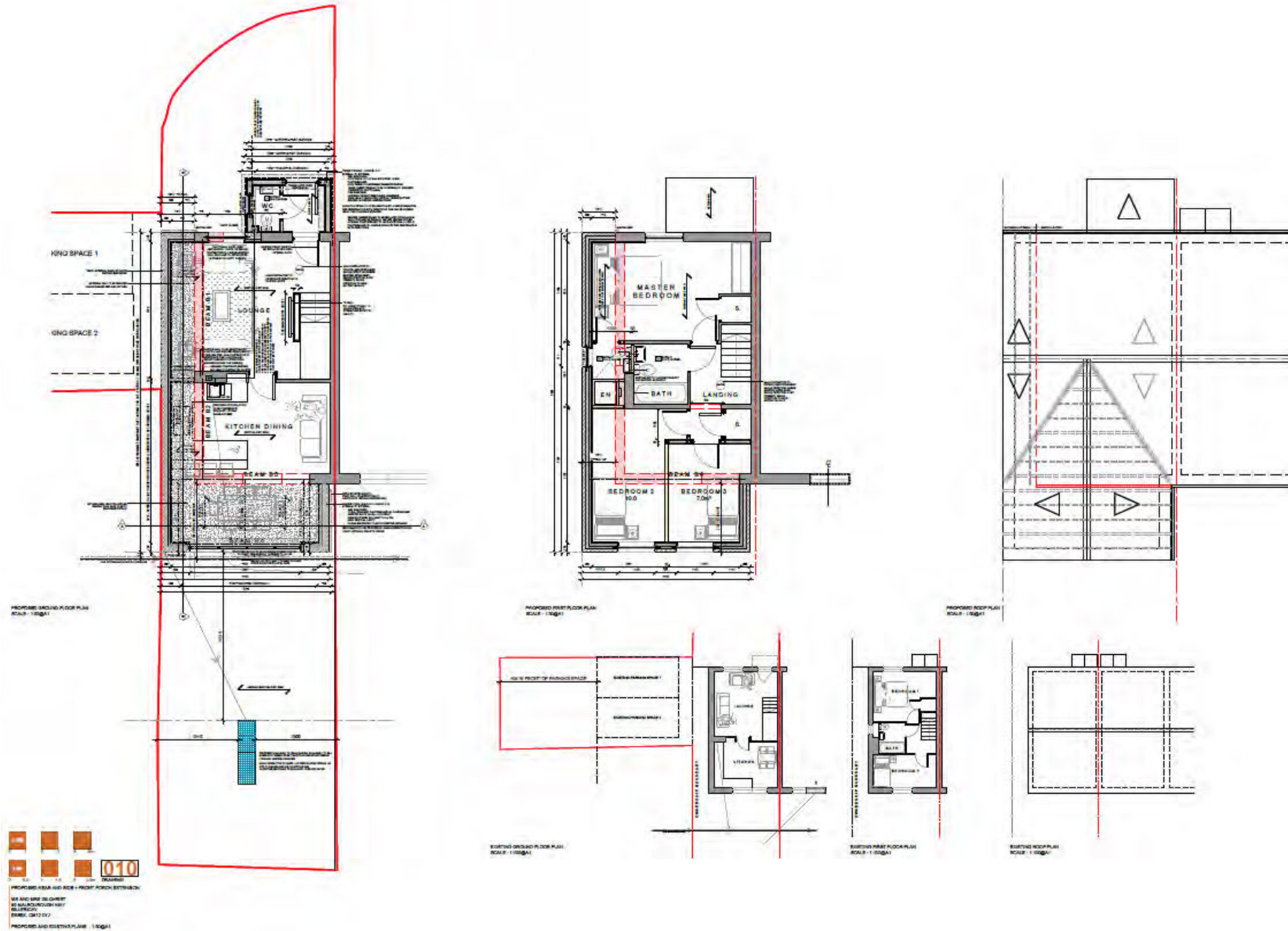


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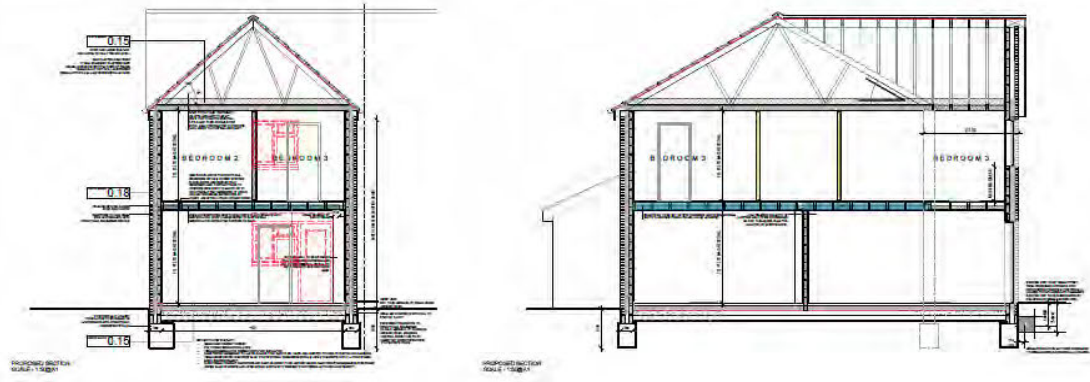
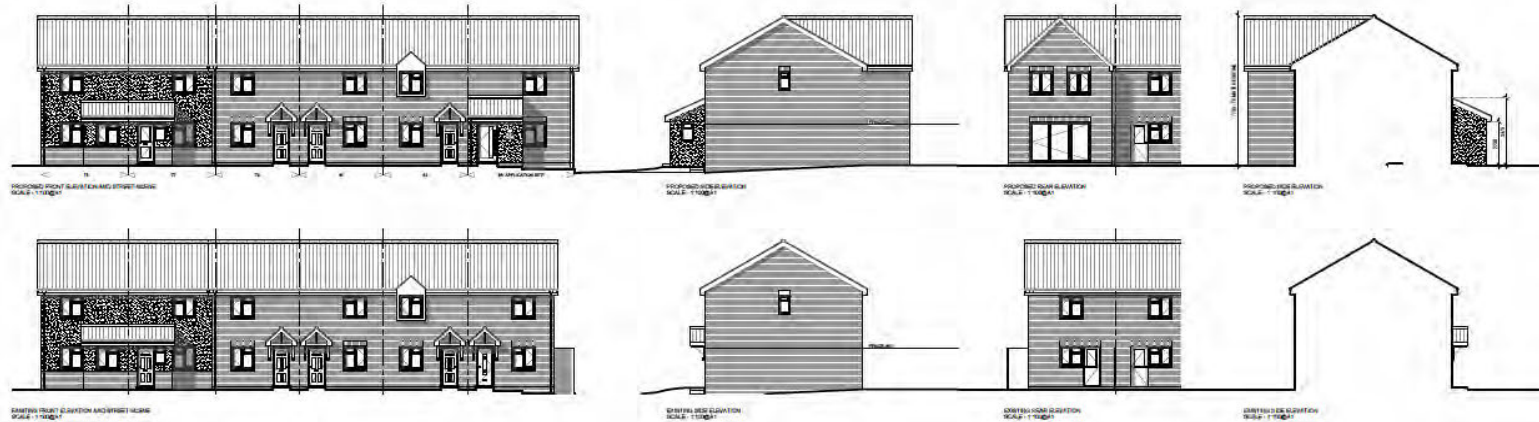


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1.6 Proposed Site development plan



1.6 Proposed Site development plan



PROPOSED FRONT ELEVATION - FRONT PORCH EXTENSION
 NEW AND PROPOSED
 BY PLUMBING CONTRACT
 ALL WORK
 DATED: 08/12/11
 PROPOSED AND EXISTING ELEVATIONS AND PROPOSED SECTIONS - 1:100 (1:100)


2. Land quality assessment




2.1 Site details

Site name:	85 Malborough Way	Current land cover:	Mix of hardstanding/building cover (c. 60%) and softstanding (c. 40%)
Current use:	Residential dwelling		
Proposed use:	Residential with garden (including building extension)	Site area:	0.03 ha


2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	SOURCE DESCRIPTION	UNLIKELY	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1875	The Site comprises part of a wider area of woodland. An access track is present directly to the north of the Site.	The area surrounding the Site generally comprises woodland and undeveloped / agricultural land. A pond is mapped c. 165 m east of the Site and a watercourse is shown c. 180 m north.		The land use history suggests that there is the potential for contamination to have occurred <u>on-Site</u> relating to the following: Residential - Miscellaneous small scale fuel or chemical spills relating to domestic land-uses (i.e., fuels used for garden machinery, herbicides, paints/creosote, detergents, etc.). - Potential for localised/historical deposition of residential waste materials (ash, litter, packaging, etc.). - Made Ground/demolition waste materials associated with demolition of the residential buildings. <i>Continued overleaf</i>		
	1881-1898	No change.	No change.				
	1922-1923		Low density residential development is recorded within the surrounding area; the closest property is positioned c. 50 m to the south of the Site.				
	1938		No change.				
	1955	The Site no longer comprises woodland, and is part of a residential plot, albeit the Site area remains undeveloped. A modest pond is recorded directly to the west of the Site, which infringes slightly onto its western boundary.	The Site forms part of a larger plot of land, which also includes several buildings. A number of wells are recorded within the vicinity of the Site, the closest being c. 45 m west. A ruin is recorded c. 125 m west. The pond c. 165 m east is no longer recorded; a new pond is recorded c. 240 m east.				



2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	UNLIKELY	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1960-1961	The pond adjacent to and infringing onto the Site boundary is no longer recorded, indicating that it has likely been infilled.	The wider plot (within which the Site is included) is recorded as Oakmount.	<p>The land use history suggests that there is the potential for contamination to have occurred both <u>on-Site</u> and <u>off-Site</u> relating to the following:</p> <p>Infilling</p> <ul style="list-style-type: none"> - Made Ground associated with former infilling activities. Any Made Ground/fill materials may contain a variety of inorganic and organic contaminants and could give rise to the generation of bulk gases and also leachate. - <i>On-Site</i>: A pond is noted to have been located adjacent and potentially infringing onto the Site until the 1950s. However, given the small scale of the pond and the significant time passed since infilling may have occurred (at least c. 64 years), it is considered unlikely that there will be an appreciable gas source which could impact future Site users. - <i>Off-Site</i>: Despite there having been several ponds present off-Site which may have been subsequently infilled, given the small scale of each feature, the moderate distance to the Site and the time passed since any potential infilling occurred (at least c. 39 years), it is considered unlikely that there will be an appreciable gas source which could impact future Site users. Therefore these potential sources will not be carried forward into the risk assessment. <p>The land use history suggests that there is the potential for contamination to have occurred <u>off-Site</u> relating to the following:</p> <p>Electricity sub station</p> <ul style="list-style-type: none"> - Potential for Polychlorinated Biphenyls (PCB) contamination to have occurred. - As the electricity sub stations located off-Site were constructed after 1980, it is considered unlikely that PCBs would be present as the use of PCBs ceased in the late 1970s. Due to this, and also the relative distance from the Site, this potential source will not be carried forward into the risk assessment. 			
	1967	No change.	A small structure is mapped directly adjacent to the eastern boundary of the Site.				
	1970	No change.	No change.				
	1978	No buildings are recorded on-Site, with the Site instead mapped as woodland. It is unclear to what extent this is an error in the mapping, given the presence of roads but not buildings recorded within the woodland.	The area surrounding the Site is recorded as woodland.				
	1980-1981	The Site is recorded as undeveloped land adjacent to woodland. It is unclear to what extent this is an error of the mapping.	Significant residential development is mapped directly to the south-west of the Site, with the nearest building positioned c. 5 m west. The map appears to be incomplete, perhaps suggesting the residential estate is still under construction.				
	1983	No change.	No change.				
	1985	The Site comprises an end-terrace building consistent with the present-day configuration.	Significant residential development is mapped to the east of the Site. Electricity sub stations are recorded within the vicinity of the Site, the closest being c. 70 m north-west. The ponds c. 240 m east and c. 190 m north-east are no longer recorded.				



2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	UNLIKELY PROBABILITY OF CONTAMINATION	
		On-Site	Off-Site				
	1987-1999	No change.	No change.				<i>See above</i>
	2000	According to aerial imagery, the Site comprises an end-terrace dwelling within a residential plot. The western area of the Site is recorded as car parking.	According to aerial imagery, the area surrounding the Site comprises primarily residential development.				
	2006-2022	No change.	No change.				
Additional information	According to the Client, construction of the existing property was completed in October 1985.						

2.2 Conceptual understanding (potential sources of contamination)

 <p>Current land use</p>	<p>The Site is currently used as a two storey end-terrace dwelling with associated car parking and rear garden.</p> <p>There are no known buried storage tanks at the Site.</p> <p>There is no known bulk fuel or chemical storage on Site.</p>	POTENTIAL SOURCES OF CONTAMINATION	<p>The Site's current use is unlikely to have given rise to significant land contamination.</p>	UNLIKELY	PROBABILITY OF CONTAMINATION																																																							
 <p>Neighbouring industrial land uses <i>(see environmental data report in Section 3.3 for full listing)</i></p>	<p>There are one or more potentially contaminative land uses are located within 250 m of the Site:</p> <table border="1" data-bbox="327 501 1265 727"> <thead> <tr> <th>Distance from Site</th> <th>Number of active industrial land uses</th> <th>Number of inactive industrial land uses</th> </tr> </thead> <tbody> <tr> <td>1 - 50 m</td> <td>0</td> <td>0</td> </tr> <tr> <td>51 - 100m</td> <td>0</td> <td>0</td> </tr> <tr> <td>101 - 250 m</td> <td>1</td> <td>3</td> </tr> </tbody> </table> <table border="1" data-bbox="327 727 1265 1458"> <thead> <tr> <th>Nr</th> <th>Nearest distance</th> <th>Land use / permitted activity / authorisation</th> </tr> </thead> <tbody> <tr><td>0</td><td>NA</td><td>Fuel station entries</td></tr> <tr><td>0</td><td>NA</td><td>Gas pipelines</td></tr> <tr><td>0</td><td>NA</td><td>Underground electrical cables</td></tr> <tr><td>0</td><td>NA</td><td>Control of major accident hazards sites (COMAH)</td></tr> <tr><td>0</td><td>NA</td><td>Notification of installations handling hazardous substances (NIHHS)</td></tr> <tr><td>0</td><td>NA</td><td>Explosives sites</td></tr> <tr><td>0</td><td>NA</td><td>Planning hazardous substance consents</td></tr> <tr><td>0</td><td>NA</td><td>Planning hazardous substance enforcements</td></tr> <tr><td>0</td><td>NA</td><td>Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990</td></tr> <tr><td>0</td><td>NA</td><td>Records of Licensed Discharge Consents.</td></tr> <tr><td>0</td><td>NA</td><td>Integrated pollution prevention and control sites</td></tr> <tr><td>0</td><td>NA</td><td>Local Authority pollution prevention and control sites</td></tr> <tr><td>0</td><td>NA</td><td>Local Authority pollution prevention and control enforcements</td></tr> <tr><td>0</td><td>NA</td><td>Records of Category 3 or 4 Radioactive Substance Licences</td></tr> </tbody> </table>		Distance from Site	Number of active industrial land uses		Number of inactive industrial land uses	1 - 50 m	0	0	51 - 100m	0	0	101 - 250 m	1	3	Nr	Nearest distance	Land use / permitted activity / authorisation	0	NA	Fuel station entries	0	NA	Gas pipelines	0	NA	Underground electrical cables	0	NA	Control of major accident hazards sites (COMAH)	0	NA	Notification of installations handling hazardous substances (NIHHS)	0	NA	Explosives sites	0	NA	Planning hazardous substance consents	0	NA	Planning hazardous substance enforcements	0	NA	Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990	0	NA	Records of Licensed Discharge Consents.	0	NA	Integrated pollution prevention and control sites	0	NA	Local Authority pollution prevention and control sites	0	NA	Local Authority pollution prevention and control enforcements	0	NA	Records of Category 3 or 4 Radioactive Substance Licences
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2.2 Conceptual understanding (potential sources of contamination)

 <p>EA recorded pollution incidents <i>(see environmental data report in Section 3.3 for full listing)</i></p>	<p>No Environment Agency pollution incidents have been recorded within 250 m of the Site.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">POTENTIAL SOURCES OF CONTAMINATION</p>	<p>No potential for gross contamination has been identified in relation to any pollution incidents occurring near to the Site.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">NEGLECTIBLE</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">PROBABILITY OF CONTAMINATION</p>
 <p>Landfills / waste sites <i>(taken within 500m radius of the Site boundary, see environmental data report in Section 3.3 for full listing)</i></p>	<p>There are no BGS recorded landfills located within 500 m of the Site.</p> <p>There are no Environment Agency listed historical landfills located within 500 m of the Site.</p> <p>There are no registered landfills located within 500 m of the Site.</p> <p>There are no Local Authority listed historical landfills located within 500 m of the Site.</p> <p>The following other waste sites are registered within 500 m of the Site:</p> <ul style="list-style-type: none"> 0 Records of registered waste transfer sites. 0 Records of registered waste treatment or disposal sites. 0 Records of licenced waste management facilities. 		<p>Given the absence of any historical or operational landfills within close proximity of the Site no associated contamination hazards have been identified.</p> <p>Given the absence of any waste treatment, transfer or disposal sites within close proximity of the Site no associated contamination hazards have been identified.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">NEGLECTIBLE</p>	

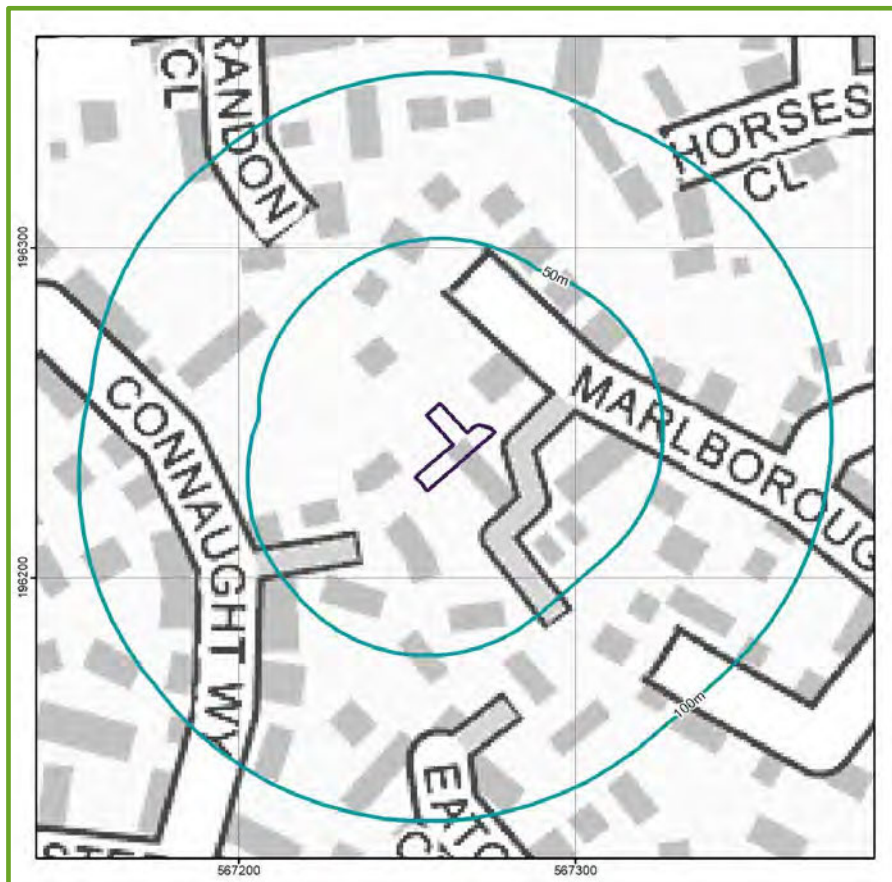
2.2 Conceptual understanding (potential sources of contamination)

<p>Rn</p> <p>Radon</p> <p><i>(see environmental data report in Section 3.3 for full listing)</i></p>	<p>According to current UK radon mapping the Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m³).</p>	<p>POTENTIAL SOURCES OF CONTAMINATION</p>	<p><1% of homes are at or above the UK radon action level (200 Bq/m³).</p>	<p>UNLIKELY</p>	<p>PROBABILITY OF CONTAMINATION</p>
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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 <p>Geology and Groundwater <i>(see the environmental data report in Section 3.3 for full details)</i></p>	<p>British Geological Survey mapping indicates the absence of any superficial deposits beneath the Site.</p> <p>British Geological Survey mapping indicates that the bedrock geology consists of the Claygate Member (CLGB) which comprises of clay, silt and sand and is classified as a Secondary (A) Aquifer.</p> <p>According to the GeoSmart Groundwater Flood Risk (GW5) Map (GeoSmart, 2024). The risk of groundwater flooding at the Site is 'negligible'.</p> <p>The Site does not lie within a groundwater Source Protection Zone (SPZ).</p> <p>There are no groundwater abstraction licences within 1 km of the Site.</p>	<p>POTENTIAL RECEPTORS</p>	<p>A Secondary (A) Aquifer comprises permeable layers capable of supporting water supply at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.</p> <p>Based on the susceptibility of the Site to groundwater flooding, a groundwater flood risk assessment is not considered necessary for the Site.</p> <p>The depth to groundwater beneath the Site is unknown.</p> <p>The absence of any groundwater abstractions does not necessarily indicate a low resource potential. Small scale abstractions, such as for private water supplies, may not be listed.</p>	<p>MEDIUM</p>	<p>POTENTIAL SEVERITY OF IMPACT</p>
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Superficial Geology (BGS, 2024)




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Bedrock Geology (BGS, 2024)






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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 <p>Geohazards <i>(see the environmental data report in Section 3.3 for full details)</i></p>	<p>The Site does not lie within a 'Coal Mining Reporting Area'.</p> <p>There are no brine affected areas within 75 m of the Site.</p> <p>No or limited artificial ground / Made Ground is anticipated on Site.</p> <p>The following natural hazards are present at or within 50 m of the Site:</p> <p>Shrinking or swelling clay</p>	<p>POTENTIAL RECEPTORS</p>	<p>The Site does not lie within an identified coal mining area and is therefore unlikely to be affected by related ground stability or mine gas issues.</p> <p>The Site does not lie within an area of former brine working and is therefore unlikely to be affected by related ground stability issues.</p> <p>BGS GeoIndex Onshore mapping does not have any artificial deposits recorded at the Site. However, it is noted that historical mapping suggests a pond was located adjacent to and potentially on the edge of the Site around the 1940s and 1950s, after which time this feature may have been infilled. Therefore, it is possible that Made Ground is present locally within the western part of the Site.</p> <p>The Site has ground stability hazards that should be considered further as part of the redevelopment plans.</p>	<p>MILD</p>	<p>POTENTIAL SEVERITY OF IMPACT</p>
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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 <p>Surface water <i>(see the environmental data report in Section 3.3 for full details)</i></p>	<p>The nearest water feature is an inland river, located c. 185 m north of the Site boundary.</p> <p>The Site lies within a Flood Zone 1 (low probability).</p> <p>There are no surface water abstraction licences within 1 km of the Site.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">POTENTIAL RECEPTORS</p>	<p>Given the distance from the Site and the nature of the local geology, the sensitivity of local surface waters is judged to be low.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">MILD</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">POTENTIAL SEVERITY OF IMPACT</p>
 <p>Environmental designations <i>(see the environmental data report in Section 3.3 for full details)</i></p>	<p>There are no environmentally sensitive land uses within 500 m of the Site.</p>		<p>No relevant environmentally designated sites/receptors have been identified.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">NEGLIGIBLE</p>	
 <p>Human receptors</p>	<p>Proposed residents/users of the Site plus neighbouring residences.</p>		<p>Human receptors are proposed to be present on Site.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SEVERE</p>	

2.4 Regulator perspective

Consultation date	24th January 2024	Basildon Borough Council
GeoSmart consultant	Annabel Elleray	Environmental Health
Consultation outcome	The Council did not respond to GeoSmart within the time frame of this report.	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources								
1	Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of inorganic and low volatility organic contamination on-Site based on the known land use history.
2		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
3		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
4		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MEDIUM	UNLIKELY	LOW RISK	Aggressive ground conditions are not anticipated to be present, although targeted ground investigation would be required to fully demonstrate this.
5		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Claygate Member (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of inorganic and low volatility organic contamination on-Site. It is noted that there are no SPZs or licensed groundwater abstractions within 500 m of the Site.
6		Dissolution into pore water/shallow groundwater and subsequent lateral migration	CW	Inland river (c. 185 m north)	MILD	UNLIKELY	VERY LOW RISK	The risk classification reflects the likely absence of any significant sources of inorganic and low volatility organic contamination, as well as the reasonable distance to the nearest water feature.
7		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	


2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
8	Potential for volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of volatile contamination on-Site based on the known land use history.
9		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
10		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
11		Migration of vapours to surface; inhalation indoors	HH		MEDIUM	UNLIKELY	LOW RISK	
12		Migration of vapours to surface; inhalation outdoors	HH		MEDIUM	UNLIKELY	LOW RISK	
13		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	UNLIKELY	VERY LOW RISK	Aggressive ground conditions are not anticipated to be present, although targeted ground investigation would be required to fully demonstrate this.
14		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Claygate Member (a Secondary (A) Aquifer)	MILD	LOW LIKELIHOOD	LOW RISK	The risk classification reflects the likely absence of any significant sources of volatile organic contamination on-Site. It is noted that there are no SPZs or licensed groundwater abstractions within 500 m of the Site.
15	Dissolution into pore water/shallow groundwater and subsequent migration	CW	Inland river (c. 185 m north)	MILD	UNLIKELY	VERY LOW RISK	The risk classification reflects the likely absence of any significant sources of volatile organic contamination, as well as the reasonable distance to the nearest water feature.	
16	Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK		


2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
17	Potential for asbestos containing materials within the subsurface soils	Liberation of sub surface ACMs and inhalation of asbestos fibres	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Given the age of the existing building some ACMs may be locally present within the building fabric. In the absence of any previous demolition activities it is however considered unlikely that any ACMs will be present within the surrounding soils.
18	Potential for dissolved phase contaminants to be present within shallow groundwater	Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Claygate Member (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of dissolved phase contamination.
19		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Inland river (c. 185 m north)	MILD	UNLIKELY	VERY LOW RISK	
20	Potential for elevated methane to be present within the sub-surface soils	Lateral and vertical migration into on-Site buildings; potential to cause an explosion	HH	On-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	A minor pond feature was previously recorded adjacent to and potentially extending onto the Site, which appears to have been infilled prior to 1960. Whilst it is possible that any Made Ground associated with infilling could give rise to an ongoing ground gas source, this is considered to be unlikely given the appreciable time that has passed since infilling occurred (> 64 years) and the small scale of the feature. Additionally, no buildings are present or proposed on the former pond area. Therefore, future Site users are unlikely to be impacted. The risk classification is a reflection of the severity of consequences rather than the likelihood of occurrence.
21		Lateral migration towards off-Site buildings; potential to cause an explosion	HH	Off-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	
22	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation	HH	Occupants of on-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	
23		Lateral migration towards off-Site buildings; potential to cause asphyxiation	HH	Occupants of off-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	
24	Potential for radon within the subsurface	Lateral migration towards on-Site buildings; potential to cause long term health effects	HH	Occupants of on-Site buildings	MEDIUM	UNLIKELY	LOW RISK	The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).
OVERALL RISK RATING							LOW RISK	

2.6 Next Steps

✓	No immediate action but observe a watching brief		<p>Based on the known history of the Site it is considered unlikely that significant contamination is present within the sub-surface. The preliminary risk assessment suggests that the risks posed by in situ land quality are therefore likely to be low. It is noted that a modest pond feature was located directly to the west of the Site during the mid 1900s; this feature appears to have been infilled by 1960. Given the modest scale of the pond, the absence of any soft standing garden space or proposed buildings over the former pond area, and also reflecting the appreciable amount of time that has elapsed since infilling occurred, the pond backfill is not considered to be a significant source of contamination.</p> <p>It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) will likely be sufficient.</p> <p>The watching brief should be maintained throughout the entire development phase of works and any possible evidence of contamination encountered during the redevelopment works should be alerted to the Local Authority. Appropriate actions would then be required to further inspect, sample and analyse any suspect materials, and formulate an appropriate remediation plan, as necessary.</p>
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2.7 Other recommendations

✓	Consider asbestos		<p>Given that the removal of an external wall within the existing dwelling is proposed, an asbestos survey should be considered.</p>
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3. Supporting Information



The following supporting information is contained in this section:

Section	Content
3.1	Referenced materials used in the EnviroSmart reporting
3.2	Site photographs
3.3	Published environmental data records (Landmark Envirocheck report 85 Marlborough Way, Billericay, Essex, CM12 0YJ. REF: 332975743_1_1.) including: <ul style="list-style-type: none"> • Aerial photographs and site map • Environmental permits, incidents and registers • Landfill and other waste sites • Current land use information • Geology • Hydrogeology and hydrology • Flooding • Designated environmentally sensitive sites • Other environmental factors
3.4	Risk assessment methodology
3.5	Historical land use maps

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The Property Ombudsman scheme

Milford House

43-55 Milford Street

Salisbury

Wiltshire SP1 2BP

Tel: 01722 333306

Fax: 01722 332296

Email: admin@tpos.co.uk

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Martin Lucass
Commercial Director
GeoSmart Information Limited
Suite 9-11, 1st Floor
Old Bank Buildings, Bellstone
Shrewsbury
SY1 1HU

Tel:

3.1 References

The following references were used to inform the conceptual site model and preliminary risk assessment:

British Geological Survey, 2024. GeolIndex Onshore (<http://mapapps2.bgs.ac.uk/geoindex/home.html>)

British Standards Institute, 2011. Investigation of potentially contaminated sites – code of practice. BS10175:2011+A2:2017.

CIRIA, 2001. Contaminated land risk assessment. A guide to good practice. Publication C552. CIRIA London. ISBN 0-86017-552 9

Environment Agency, 2023. Land Contamination Risk Management (LCRM)

GeoSmart Information Limited, 2024. National Groundwater Flood Risk Map (GW5)

Health Protection Agency, 2000. Spring 2000 Newsletter featuring: Radon: Guidance on Protective Measures for New Dwellings (BR 211).

Landmark, 2024. Landmark Envirocheck report 85 Marlborough Way, Billericay, Essex, CM12 0YJ. REF: 332975743_1_1.

3.2 Site photographs

Photograph 1: front of the dwelling (facing south)



Photograph 2: car parking associated with the dwelling, with the dwelling behind (facing south-east)



3.2 Site photographs

Photograph 3: the rear of the Site. The proposed extension is noted to cover the area of the patio (facing south-west)



Photograph 4: front of the dwelling including the front garden (facing south-west)



3.2 Site photographs

Photograph 5: the rear garden and patio (facing south-west)



3.3 Environmental data report

Readily available environmental information relating to the Site and its surrounding area has been provided by Landmark.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

332975743_1_1

Customer Reference:

81206

National Grid Reference:

567260, 196240

Slice:

A

Site Area (Ha):

0.03

Search Buffer (m):

1000

Site Details:

85 Marlborough Way

Billericay

Essex

CM12 0YJ

Client Details:

Ms A Elleray

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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	7
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 2				2
Local Authority Pollution Prevention and Control Enforcements	pg 3				1
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3				9
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 4				2
Water Abstractions	pg 5				(*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			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
OS Water Network Lines	pg 6		1	4	37

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 11	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 11				1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			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 12	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 12	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 12	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 13		4	6	38
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 18		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 18	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	0	1	567262 196240
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	148	1	567262 196400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	498	1	567262 196750
1	Discharge Consents Operator: Queens Park Consortium Ltd Property Type: Not Supplied Location: Queens Park Development Site, Billericay, Essex Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe03078 Permit Version: 1 Effective Date: 4th August 1978 Issued Date: 4th August 1978 Revocation Date: 19th May 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib. Mountnessing Road Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	360	2	567600 196400
2	Discharge Consents Operator: Queens Park Consortium Ltd Property Type: Not Supplied Location: Queens Park Court Goldington Crescent, Billericay, Essex, Cm12 0xr Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe03075 Permit Version: 1 Effective Date: 9th June 1975 Issued Date: 9th June 1975 Revocation Date: 25th March 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	657	2	566600 196300
2	Discharge Consents Operator: Basildon D.C. Property Type: Not Supplied Location: Queens Park Court Goldington Crescent, Billericay, Essex, Cm12 0xr Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe14772 Permit Version: 1 Effective Date: 30th October 1972 Issued Date: 30th October 1972 Revocation Date: 5th May 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mountnessing Road Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	657	2	566600 196300
3	Discharge Consents Operator: Essex County Council(Highways Dept) Property Type: Not Supplied Location: Brightside County Junior And Infant, Billericay, Essex, Cm12 0le Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe01470 Permit Version: 1 Effective Date: 13th March 1970 Issued Date: 13th March 1970 Revocation Date: 12th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mountnessing Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12SW (W)	788	2	566500 196000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Essex County Council(Highways Dept.) Property Type: Undefined Or Other Location: Brightside County Junior And Infant, Billericay, Essex Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe01470 Permit Version: 1 Effective Date: 13th March 1970 Issued Date: 13th March 1970 Revocation Date: 12th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mountnessing Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	788	2	566500 196000
4	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brightside Ps, Billericay, Essex., Cm12 0lg Authority: Environment Agency, Anglian Region Catchment Area: River Wid (Ingatestone) Reference: Aw2nfe04273 Permit Version: 1 Effective Date: 15th March 1973 Issued Date: 15th March 1973 Revocation Date: 14th November 2017 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Mountnessing Road Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	822	2	566500 195900
4	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brightside Ps, Billericay, Essex., Cm12 0lg Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw2nfe07763 Permit Version: 1 Effective Date: 2nd August 1963 Issued Date: 2nd August 1963 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Wid Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	822	2	566500 195900
5	<p>Discharge Consents</p> <p>Operator: The Occupier Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Duke'S Hall Stock Road, Billericay, Essex Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe02957 Permit Version: 1 Effective Date: 30th August 1957 Issued Date: 30th August 1957 Revocation Date: 3rd March 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Trib. Stock Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A9NE (E)	893	2	568100 195900
6	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Crown Wood Products Location: Unit 10 Radford Crescent, BILLERICAY, Essex, CM12 0DU Authority: Basildon District Council, Environmental Health Department Permit Reference: 001358 Dated: 6th January 1993 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorised Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	982	3	567205 195246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Local Authority Pollution Prevention and Controls Name: Crown Wood Products Location: Unit 10 Radford Crescent, BILLERICAY, CM12 0DU Authority: Basildon District Council, Environmental Health Department Permit Reference: B21ED110RA/1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: Part B - General Coating Process (No Specific Reference) Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8SW (S)	982	3	567205 195246
7	Local Authority Pollution Prevention and Control Enforcements Location: 10 Radford Crescent, Billericay, Essex, Cm12 0dg Type: Air Pollution Control Enforcement Notice Reference: STAT34/94 Date Issued: 15th January 1994 Enforcement Date: 1st February 1994 Details: Not Supplied Positional Accuracy: Manually positioned to the address or location	A8SW (S)	982	3	567205 195246
	Nearest Surface Water Feature	A13NE (N)	187	-	567275 196438
8	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Natural Note: Garden Pond O/F Wid Tributary Incident Date: 19th December 1995 Incident Reference: 2935 Catchment Area: Not Given Receiving Water: Into And/Or Watercourse Cause of Incident: Low Dissolved Oxygen Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	628	2	567300 195600
9	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: BILLERICAY Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Paints / Dyes Note: Mountnessing Brook Incident Date: 26th March 1997 Incident Reference: 3347 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	654	2	566600 196200
9	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Paints / Dyes Note: Mountnessing Brook Incident Date: 26th March 1997 Incident Reference: 3347 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	654	2	566600 196195
10	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: BILLERICAY Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Alkali Note: Mountnessing Brook Incident Date: 25th March 1997 Incident Reference: 3351 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	666	2	566600 196100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Alkali Note: Mountnessing Brook Incident Date: 25th March 1997 Incident Reference: 3351 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	667	2	566600 196095
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Mountnessing Brook Incident Date: 31st March 1998 Incident Reference: 3717 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	771	2	566500 196400
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Mountnessing Brook Incident Date: 20th May 1996 Incident Reference: 3088 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	788	2	566500 196000
13	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Other Sewage Note: Tributary Of Crouch Incident Date: 20th June 1995 Incident Reference: 2735 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	908	2	566600 195600
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Mountnessing Brook Incident Date: 9th August 1995 Incident Reference: 2821 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	956	2	566400 195800
15	Substantiated Pollution Incident Register Authority: Environment Agency - Anglian Region, Central Area Incident Date: 5th August 2011 Incident Reference: 910519 Water Impact: Category 1 - Major Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable Materials and WastesAlgae	A8NE (S)	641	2	567341 195592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Substantiated Pollution Incident Register Authority: Environment Agency - Anglian Region, Central Area Incident Date: 30th October 2001 Incident Reference: 40081 Water Impact: Category 1 - Major Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A12SE (W)	664	2	566600 196110
	Water Abstractions Operator: W.H. Norris & Sons Licence Number: 8/37/33/**/001 Permit Version: Not Supplied Location: River Wid , Mountnessing Hall Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 11 Yearly Rate (m3): 682000 Details: Status: Perpetuity 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 10m	A17SW (NW)	1101	2	566300 196795
	Water Abstractions Operator: R J Napp Licence Number: 8/37/33/*S/0037 Permit Version: 100 Location: Brocks Farm, Stock Lane. Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1554	2	567400 197800
	Water Abstractions Operator: R P., P H., + J L Wallis Licence Number: 8/37/33/**/054 Permit Version: Not Supplied Location: Stock Brook Stock Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity 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 10m	A25NW (NE)	1997	2	568400 197895
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	A13NW (NW)	0	4	567262 196240
	Groundwater Vulnerability - Soluble Rock Risk None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NW)	0	4	567262 196240
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 722.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A13NE (N)	187	5	567275 196438
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 0.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A13NW (NW)	321	5	566983 196419
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A13NW (NW)	322	5	566983 196419
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (NW)	382	5	566915 196421
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 258.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (NW)	411	5	566884 196422
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A18SW (N)	536	5	567249 196788
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A18SW (N)	553	5	567139 196793

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	617	5	566652 196373
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 431.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	623	5	566647 196377
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	623	5	566647 196377
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	624	5	566650 196399
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	627	5	566648 196399
29	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 81.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NW (S)	630	5	567258 195597
30	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NW (S)	630	5	567258 195597
31	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	633	5	567268 195594
32	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 204.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	634	5	567272 195593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NW (S)	640	5	567176 195592
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 766.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NW (S)	645	5	567058 195613
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	646	5	566639 196438
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 545.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	647	5	566632 196416
37	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	664	5	567462 195595
38	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	665	5	567448 195590
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	673	5	567447 195582
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	673	5	567447 195582
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8NE (S)	684	5	567521 195596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A9NW (SE)	712	5	567669 195648
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	813	5	566478 195988
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	814	5	566476 195987
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A9SW (SE)	814	5	567620 195498
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A9SW (SE)	817	5	567604 195488
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A9SW (SE)	817	5	567604 195488
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8SE (SE)	822	5	567599 195480
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8SE (SE)	822	5	567599 195480
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8SE (S)	844	5	567467 195410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	853	5	566459 195918
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	854	5	566456 195923
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	862	5	566452 195911
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	864	5	566451 195908
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A19NW (NE)	926	5	567665 197085
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A7NW (SW)	936	5	566410 195825
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A19NW (NE)	959	5	567718 197095
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A19NW (NE)	961	5	567721 197096

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Basildon District Council - Has supplied landfill data		0	6	567262 196240
	Local Authority Landfill Coverage Name: Essex County Council - Has supplied landfill data		0	7	567262 196240
59	Local Authority Recorded Landfill Sites Location: South West Of Hannakins Farm, Rosebay Avenue Reference: PRBAS 3 Authority: Basildon District Council Last Reported Closed Status: Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (NW)	712	6	566618 196566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NW (NW)	0	1	567262 196240
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	180	1	567073 196235
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	567262 196240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<p>Contemporary Trade Directory Entries</p> <p>Name: Tranquility Blinds Location: 11, Berkeley Drive, Billericay, Essex, CM12 0YP Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	174	-	567403 196126
61	<p>Contemporary Trade Directory Entries</p> <p>Name: Everclean Location: 4, Montague Way, Billericay, Essex, CM12 0UB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	213	-	567342 196032
62	<p>Contemporary Trade Directory Entries</p> <p>Name: Kam Location: Montpelier Cl, Billericay, Essex, CM12 0UH Classification: Hardware Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SW (SW)	236	-	567061 196094
63	<p>Contemporary Trade Directory Entries</p> <p>Name: M G Cleaning & Ironing Services Location: 20, Dorchester Road, Billericay, CM12 0YW Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13SE (E)	246	-	567512 196177
64	<p>Contemporary Trade Directory Entries</p> <p>Name: Home Clean Location: 19, Kensington Gardens, Billericay, Essex, CM12 0TZ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	337	-	567276 195891
65	<p>Contemporary Trade Directory Entries</p> <p>Name: G & M Services Location: 15, Queens Gate Mews, Billericay, Essex, CM12 0XL Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	430	-	566826 196175
66	<p>Contemporary Trade Directory Entries</p> <p>Name: Used Fork Lifts Location: 107, Perry Street, BILLERICAY, Essex, CM12 0NH Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	434	-	567129 195812
66	<p>Contemporary Trade Directory Entries</p> <p>Name: Queens Park Tyres Ltd Location: 107, Perry Street, Billericay, Essex, CM12 0NH Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	434	-	567129 195812
67	<p>Contemporary Trade Directory Entries</p> <p>Name: Pristine Kleen Location: 27, Mallow Gardens, Billericay, Essex, CM12 0ST Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	478	-	566794 196371
68	<p>Contemporary Trade Directory Entries</p> <p>Name: M & H Location: 11, Newlands Close, Billericay, Essex, CM12 0PJ Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (SE)	478	-	567684 195996
69	<p>Contemporary Trade Directory Entries</p> <p>Name: The Clean Team Location: 5, Betony Crescent, Billericay, CM12 0SN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	502	-	566780 196407
69	<p>Contemporary Trade Directory Entries</p> <p>Name: Dione'S Ironing Services Location: 10, Betony Crescent, Billericay, Essex, CM12 0SN Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	533	-	566747 196408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Contemporary Trade Directory Entries Name: Essex Cleaning Services Location: Rosebay Av, Billericay, Essex, CM12 0SY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	518	-	566841 195917
71	Contemporary Trade Directory Entries Name: Fibrefutures Location: 9, Walsingham Way, Billericay, Essex, CM12 0YE Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	520	-	567759 196435
72	Contemporary Trade Directory Entries Name: Aircon-Cool & Heat Location: 16, Cranmer Close, Billericay, Essex, CM12 0YQ Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	590	-	567756 196587
73	Contemporary Trade Directory Entries Name: M B I Electronic Services Location: Hillside Farm House, Buckwyns, Billericay, Essex, CM12 0TL Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	694	-	567228 196945
74	Contemporary Trade Directory Entries Name: Billericay Shutter Co Location: Pilton, Buckwyns Chase, Billericay, CM12 0TL Classification: Roller Shutter Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (NW)	741	-	566959 196929
75	Contemporary Trade Directory Entries Name: Jeds Location: 6, Graham Close, Billericay, Essex, CM12 0QW Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	748	-	568020 196318
76	Contemporary Trade Directory Entries Name: Warren Marine Engineering Location: 2, The Warren, Billericay, Essex, CM12 0LW Classification: Gearboxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	813	-	566526 195867
77	Contemporary Trade Directory Entries Name: Complete Carpet Care Location: 28, Perry Street, Billericay, Essex, CM12 0LZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	851	-	566898 195455
78	Contemporary Trade Directory Entries Name: World Of Spice Ltd Location: Unit 22, Bebington Close, Billericay, CM12 0DT Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	869	-	567221 195359
78	Contemporary Trade Directory Entries Name: S J Bedwell & Sons (Printers) Ltd Location: Unit 20, Radford Crescent, Billericay, Essex, CM12 0DU Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	906	-	567207 195322
79	Contemporary Trade Directory Entries Name: Key Cleaning Services Location: 10, Gordon Close, Billericay, Essex, CM12 0HX Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	879	-	566777 195490
80	Contemporary Trade Directory Entries Name: P J Printing Location: 279, Perry Street, Billericay, Essex, CM12 0RB Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	934	-	568191 196431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Contemporary Trade Directory Entries Name: London & Essex Pest Control Limited Location: Prestige House, Radford Business Centre, Radford Way, Billericay, Essex, CM12 0BZ Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	947	-	566961 195327
81	Contemporary Trade Directory Entries Name: Prestige Freight Location: Prestige House, Radford Business Centre, Radford Way, Billericay, Essex, CM12 0BZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	947	-	566961 195327
81	Contemporary Trade Directory Entries Name: Prestige Europa Ltd Location: Prestige House, Radford Business Centre, Radford Way, Billericay, Essex, CM12 0BZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	947	-	566961 195327
81	Contemporary Trade Directory Entries Name: Sti Global Logistics Location: Prestige House, Radford Business Centre, Radford Way, Billericay, CM12 0BZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	947	-	566961 195327
81	Contemporary Trade Directory Entries Name: D G International Group Location: Prestige House, Radford Business Centre, Radford Way, Billericay, CM12 0BZ Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	947	-	566961 195327
81	Contemporary Trade Directory Entries Name: Seanik Agencies Location: Radford Business Centre, Radford Way, Billericay, Essex, CM12 0BZ Classification: Ship Builders, Repairs & Fittings Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	986	-	566955 195288
82	Contemporary Trade Directory Entries Name: Bridon Location: 15, Radford Crescent, Billericay, Essex, CM12 0DG Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	956	-	567103 195283
82	Contemporary Trade Directory Entries Name: Key Plastics Inc Europe Location: 15, Radford Crescent, Billericay, Essex, CM12 0DG Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	956	-	567103 195283
82	Contemporary Trade Directory Entries Name: Bridon Healthcare Furniture Location: 15, Radford Crescent, Billericay, Essex, CM12 0DG Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	956	-	567103 195283
82	Contemporary Trade Directory Entries Name: A Cleaner Company Ltd Location: 16, Radford Crescent, Billericay, CM12 0DG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	957	-	567081 195286
82	Contemporary Trade Directory Entries Name: Apex General Supplies Location: 14, Radford Crescent, Billericay, Essex, CM12 0DG Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	957	-	567081 195286

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	<p>Contemporary Trade Directory Entries</p> <p>Name: Carpet Guard Location: 14, Radford Crescent, Billericay, Essex, CM12 0DG Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	957	-	567081 195286
82	<p>Contemporary Trade Directory Entries</p> <p>Name: Eagle Print Location: 15, Radford Crescent, Billericay, CM12 0DG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	961	-	567100 195278
82	<p>Contemporary Trade Directory Entries</p> <p>Name: Philip J Bird Auto Services Ltd Location: 14, Radford Crescent, Billericay, CM12 0DG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	972	-	567120 195265
83	<p>Contemporary Trade Directory Entries</p> <p>Name: Clarke Infinity Location: 4 Radford Business Centre, Radford Crescent, Billericay, CM12 0DP Classification: Cinema Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	960	-	566908 195332
83	<p>Contemporary Trade Directory Entries</p> <p>Name: I A C Service Group Ltd Location: 4 Radford Business Centre, Radford Crescent, Billericay, Essex, CM12 0DP Classification: Air Conditioning Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	960	-	566908 195332
83	<p>Contemporary Trade Directory Entries</p> <p>Name: Tilly'S Shoes Ltd Location: Unit 1, Radford Business Centre, Radford Way, Billericay, CM12 0BZ Classification: Footwear Manufacturers & Wholesale Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	963	-	566883 195339
83	<p>Contemporary Trade Directory Entries</p> <p>Name: Saftco (Services) Ltd Location: Prestige House, Radford Business Centre, Radford Way, Billericay, Essex, CM12 0BZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	988	-	566934 195293
84	<p>Contemporary Trade Directory Entries</p> <p>Name: Carpet Cleaning In Essex Location: 1, Perry Street, Billericay, Essex, CM12 0LZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	970	-	566827 195357
85	<p>Contemporary Trade Directory Entries</p> <p>Name: Butyl Products Ltd Location: 11, Radford Crescent, Billericay, Essex, CM12 0DW Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	985	-	567174 195245
85	<p>Contemporary Trade Directory Entries</p> <p>Name: Butyl Products Ltd Location: 11, Radford Crescent, BILLERICAY, Essex, CM12 0DW Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	985	-	567174 195245
86	<p>Contemporary Trade Directory Entries</p> <p>Name: Chem-Dry S O S Location: 7, Horace Road, Billericay, Essex, CM11 1AA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	986	-	568046 195630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	<p>Contemporary Trade Directory Entries</p> <p>Name: Chemdry Sos Location: 7, Horace Road, Billericay, Essex, CM11 1AA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	986	-	568046 195630
87	<p>Contemporary Trade Directory Entries</p> <p>Name: Paterson Instruments Ltd Location: Stock Rd, Billericay, Essex, CM12 0SD Classification: Industrial Instrument & Apparatus Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	1000	-	568160 196711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Areas of Adopted Green Belt Authority: Basildon District Council Plan Name: Basildon District Local Plan Status: Adopted Plan Date: 25th March 1998	A13NE (N)	186	9	567279 196437
89	Nitrate Vulnerable Zones Name: River Chelmer Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NW)	0	4	567262 196240

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Basildon District Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department Environment Agency - Head Office Chelmsford Borough Council - Environmental Health Department	January 2020 January 2024 November 2023 October 2017	Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Basildon District Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department Chelmsford Borough Council - Environmental Health Department	May 2016 November 2016 October 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Basildon District Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department Chelmsford Borough Council - Environmental Health Department	May 2016 November 2016 October 2014	Not Applicable Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements Basildon District Council - Environmental Health Department Brentwood Borough Council - Environmental Health Department Chelmsford Borough Council - Environmental Health Department	May 2016 November 2016 October 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2023	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	October 2023 October 2023	Quarterly Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2023	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 2023	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	January 2023	Quarterly
Local Authority Landfill Coverage Basildon District Council Brentwood Borough Council Chelmsford Borough Council - Environmental Health Department Essex County Council	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Basildon District Council Brentwood Borough Council Chelmsford Borough Council - Environmental Health Department Essex County Council	October 2018 October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Basildon District Council Essex County Council Chelmsford Borough Council Brentwood Borough Council	February 2016 February 2016 June 2023 September 2023	Variable Variable Variable Variable
Planning Hazardous Substance Consents Basildon District Council Chelmsford Borough Council Essex County Council Brentwood Borough Council	February 2016 February 2016 February 2016 September 2023	Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

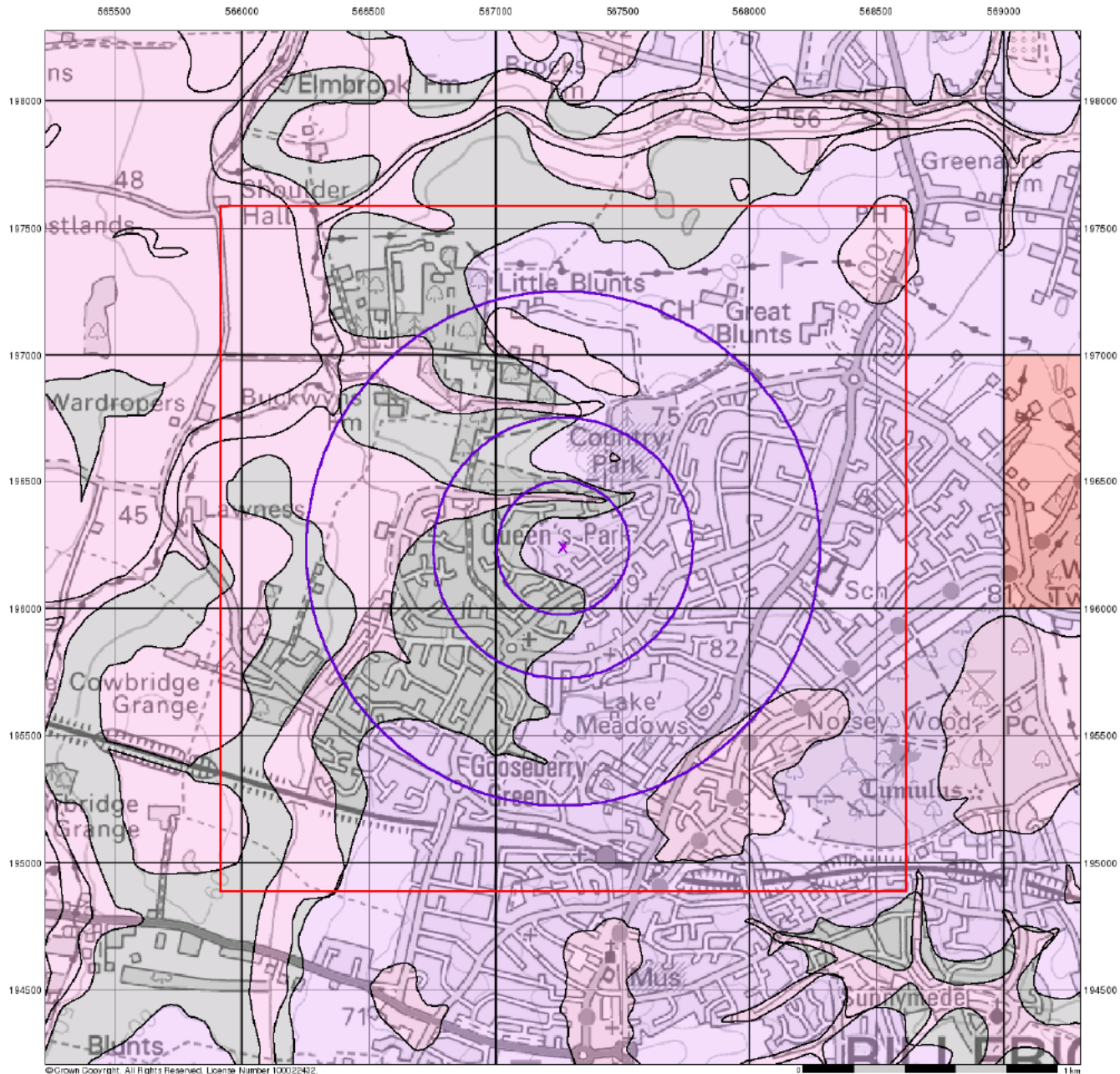
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Basildon District Council Brentwood Borough Council Chelmsford Borough Council	August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Basildon District Council Brentwood Borough Council Chelmsford Borough Council	August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2023	Bi-Annually
Marine Nature Reserves Natural England	October 2023	Bi-Annually
National Nature Reserves Natural England	August 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	October 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	October 2023	Bi-Annually
Special Protection Areas Natural England	October 2023	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Basildon District Council - Environmental Health Department The Basildon Centre, St Martins Square, Basildon, Essex, SS14 1DL	Telephone: 01268 533333 Fax: 01268 294162 Email: ehs@basildon.gov.uk Website: www.basildon.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Basildon District Council The Basildon Centre, St Martins Square, Basildon, Essex, SS14 1DL	Telephone: 01268 294155 Fax: 01268 294162 Website: www.basildon.gov.uk
7	Essex County Council County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: www.essexcc.gov.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Basildon District Council The Basildon Centre, Pagel Mead, Basildon, Essex, SS14 1DL	Telephone: 01268 533333 Fax: 01268 294162 Website: www.basildon.gov.uk
10	Chelmsford Borough Council Civic Centre, Duke Street, Chelmsford, Essex, CM1 1JE	Telephone: 01245 606606 Fax: 01245 491424 Website: www.chelmsfordbc.gov.uk
11	Brentwood Borough Council Council Offices, Ingrave Road, Brentwood, Essex, CM15 8AY	Telephone: 01277 261111 Fax: 01277 200352 Website: www.brentwood-council.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

Agency and Hydrological

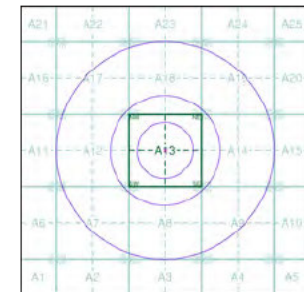
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A

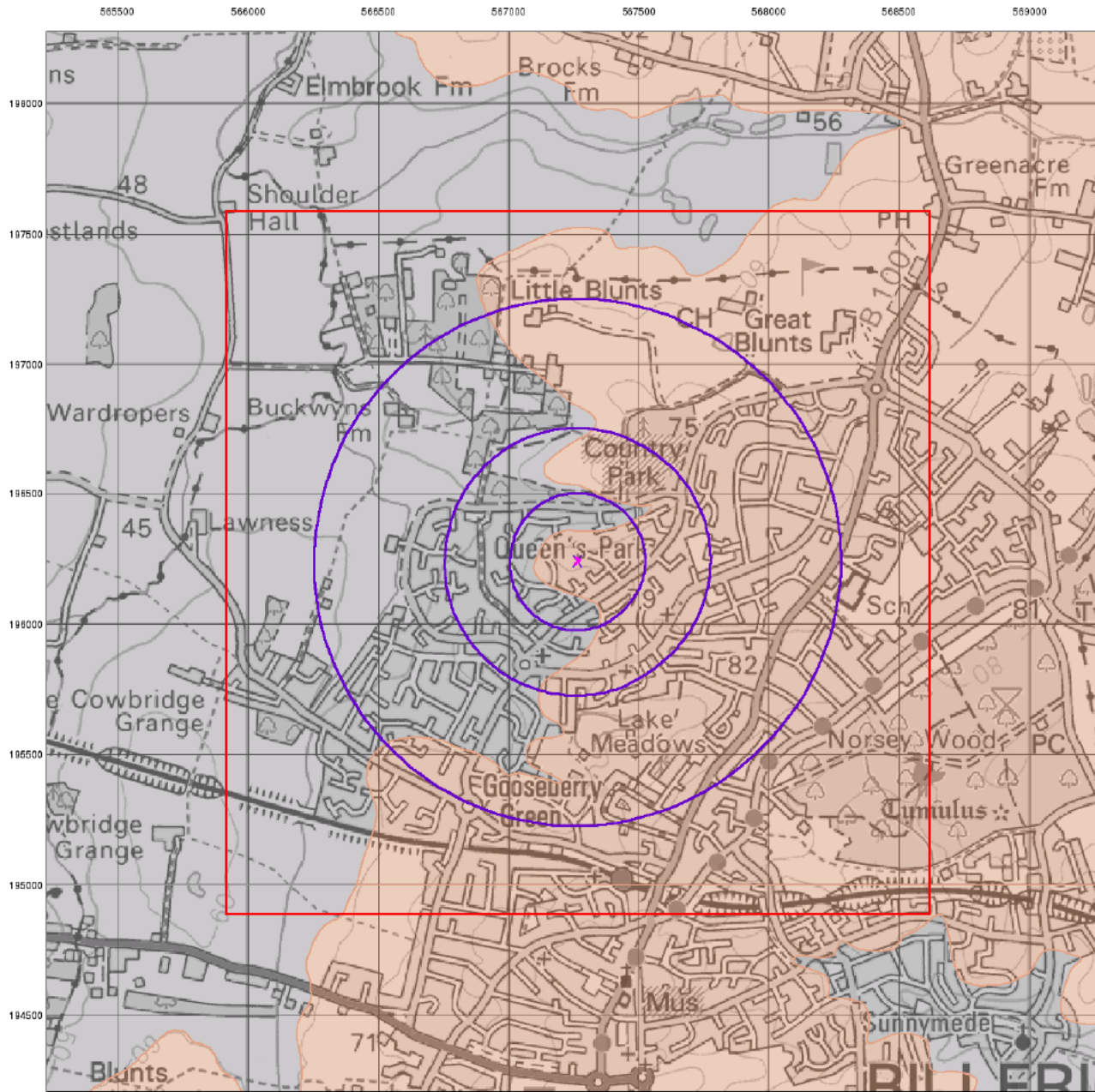


Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



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0 1 km

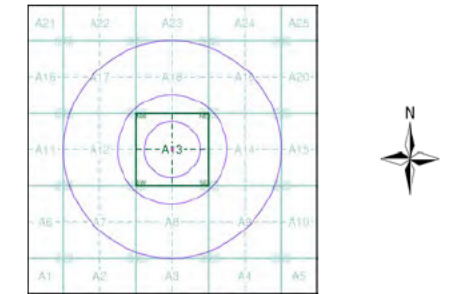


Bedrock Aquifer Designation

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

- Geology and Hydrological**
- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown
 - Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A

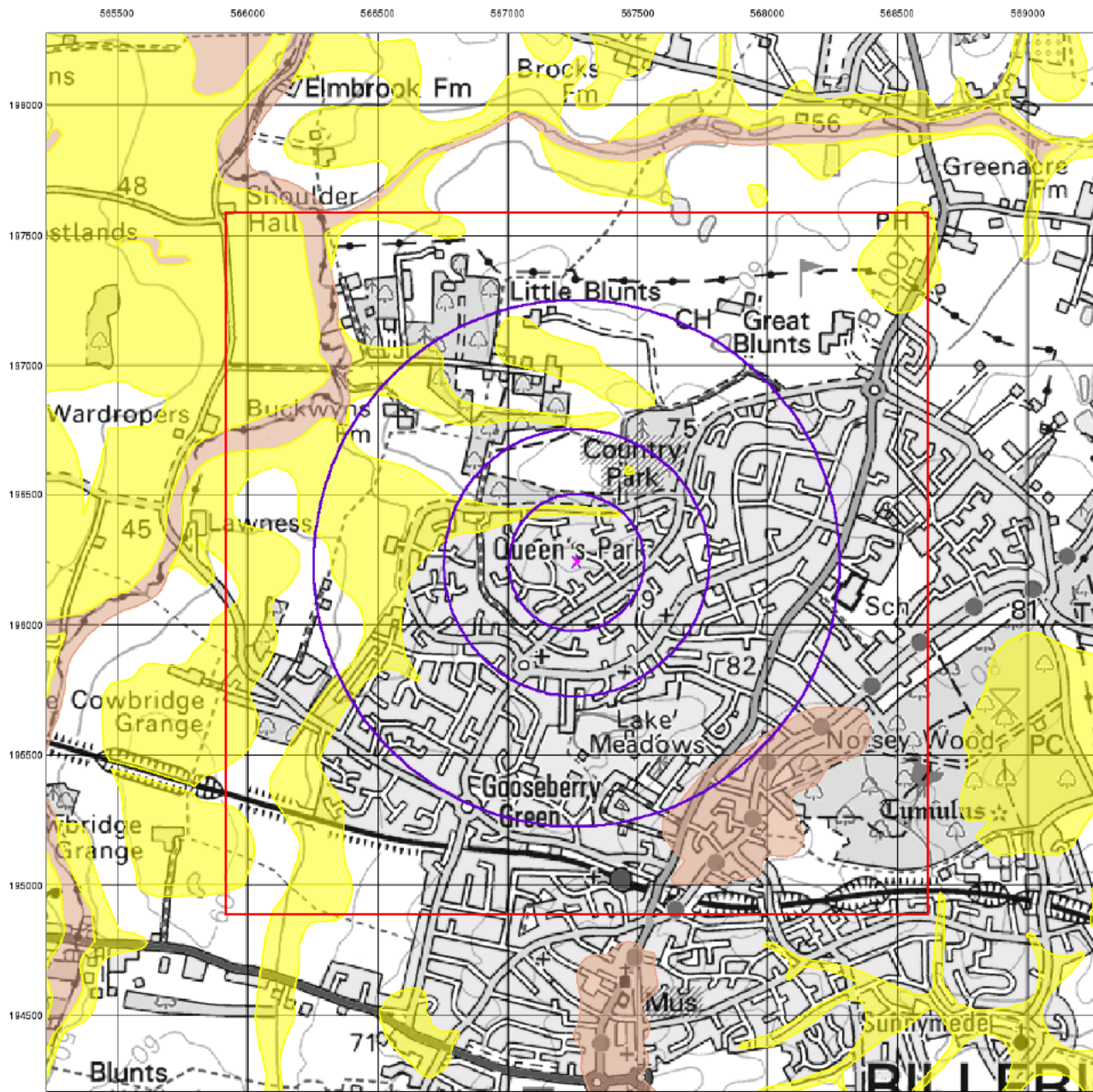


Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
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 Site Area (Ha): 0.03
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Site Details
 85 Marlborough Way, Billericay, Essex, CM12 0YJ





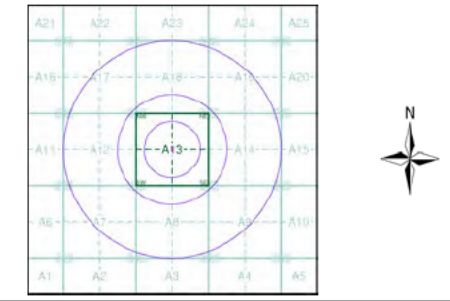
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Superficial Aquifer Designation

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

- Agency and Hydrological**
- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown
 - Unknown (Lakes and Landslip)

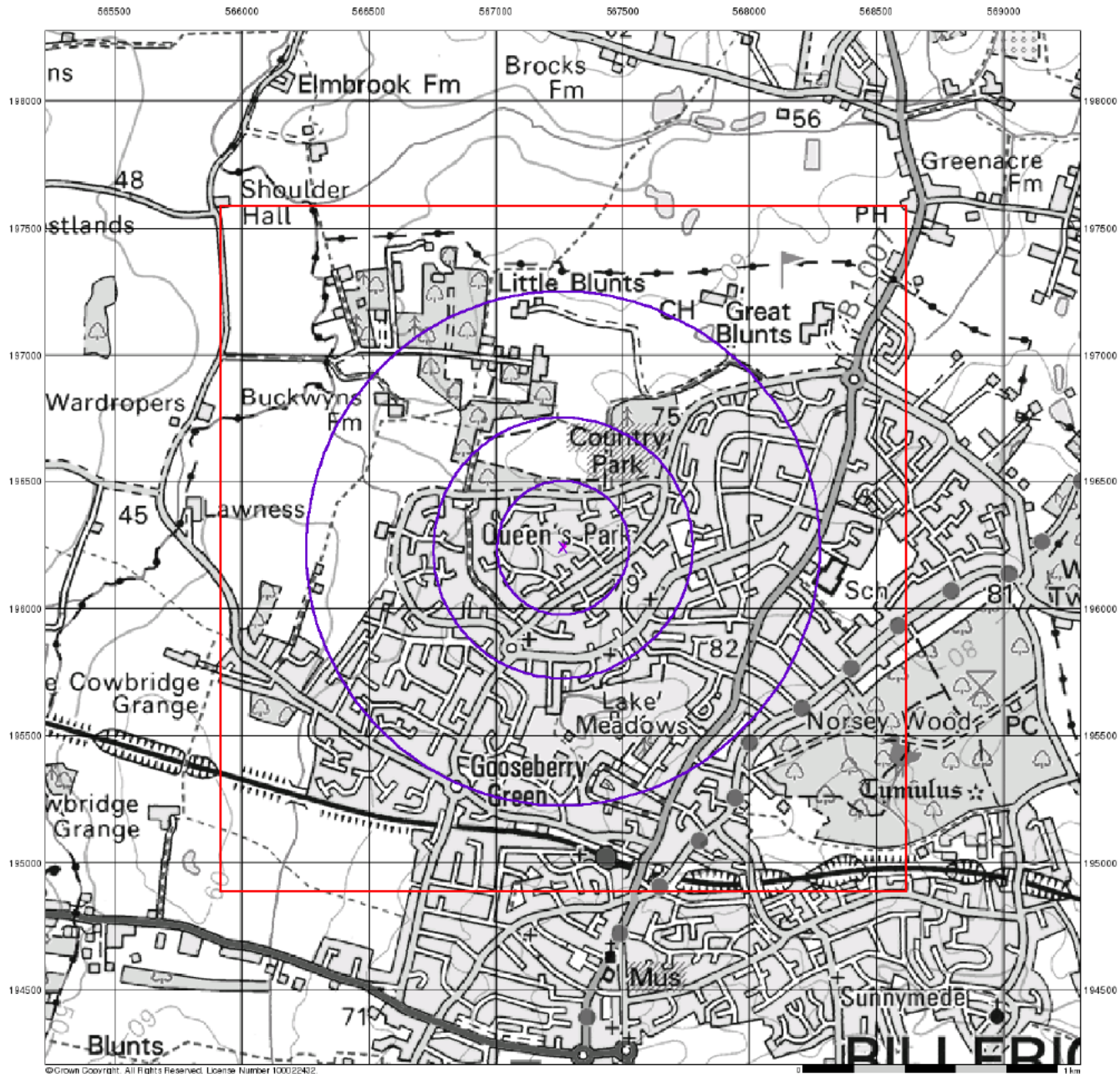
Site Sensitivity Context Map - Slice A



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
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 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details
 85 Marlborough Way, Billericay, Essex, CM12 0YJ



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Source Protection Zones

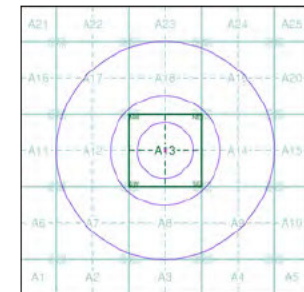
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

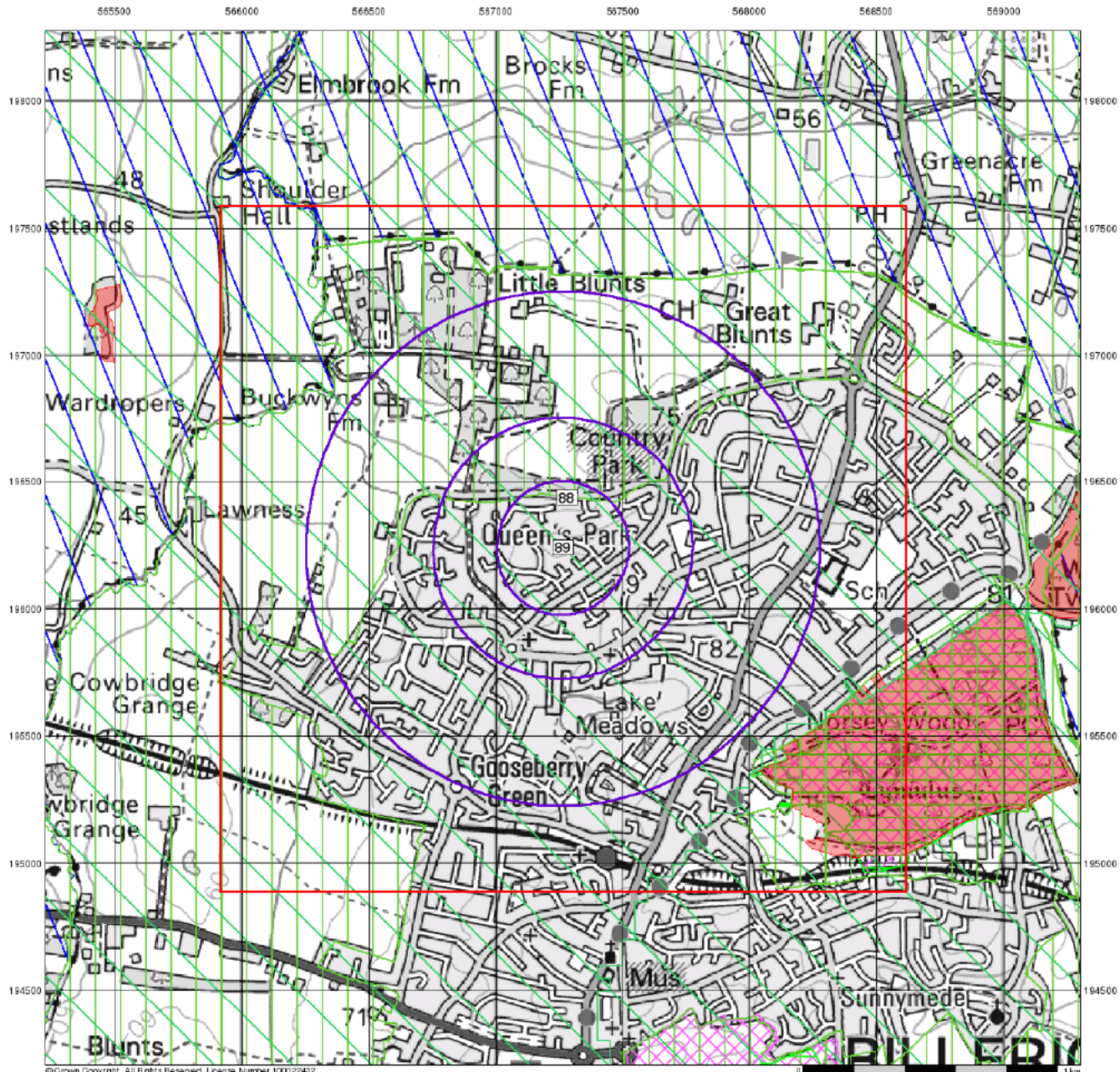
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 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



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



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Sensitive Land Uses

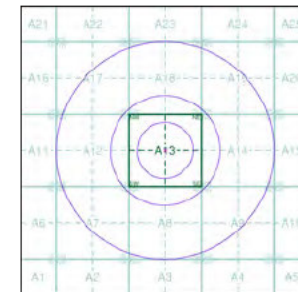
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

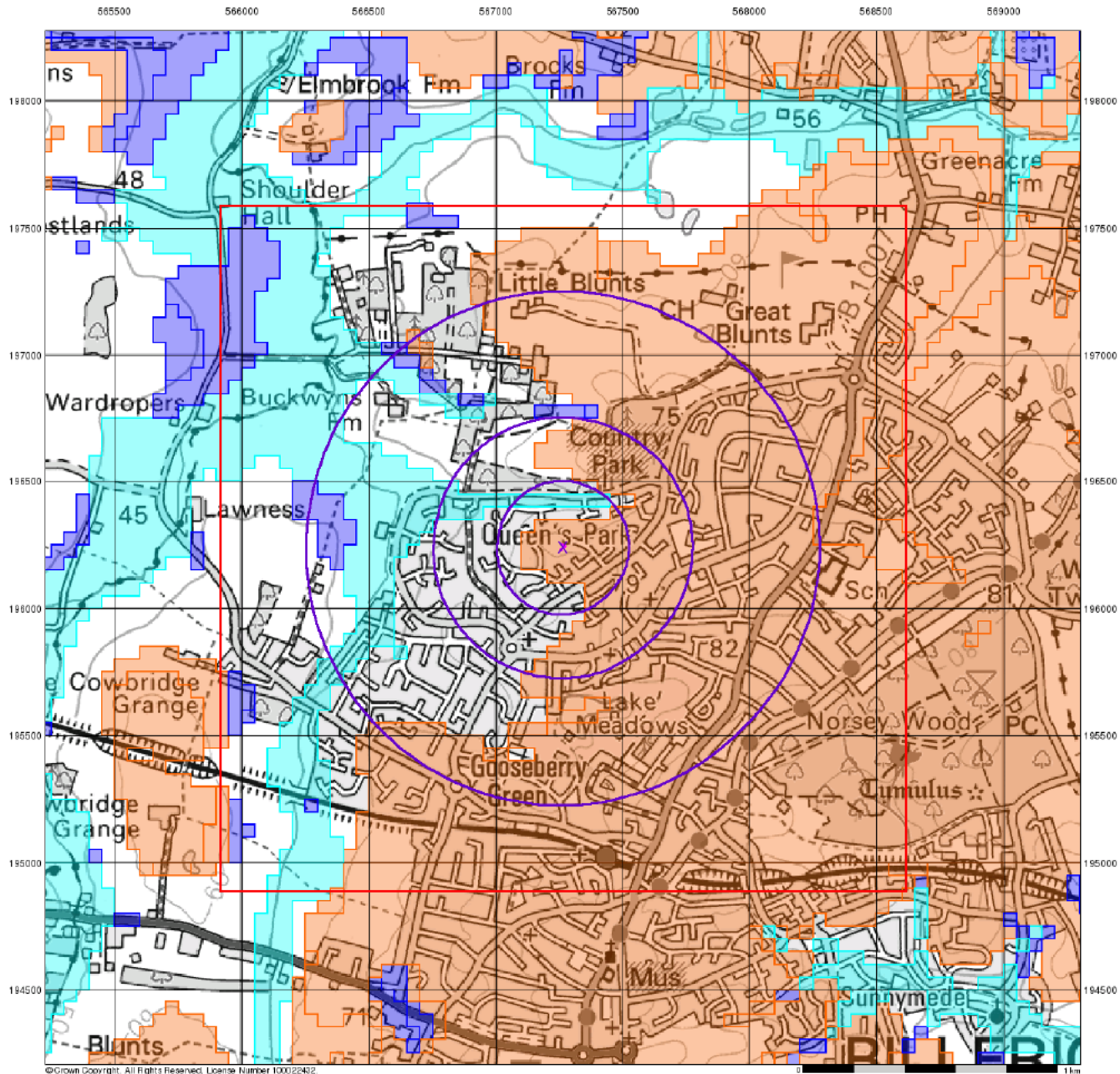


Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



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BGS Flood GFS Data

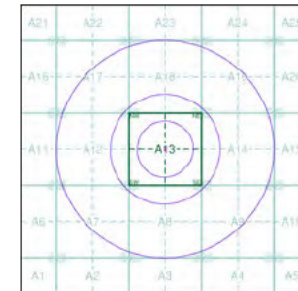
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

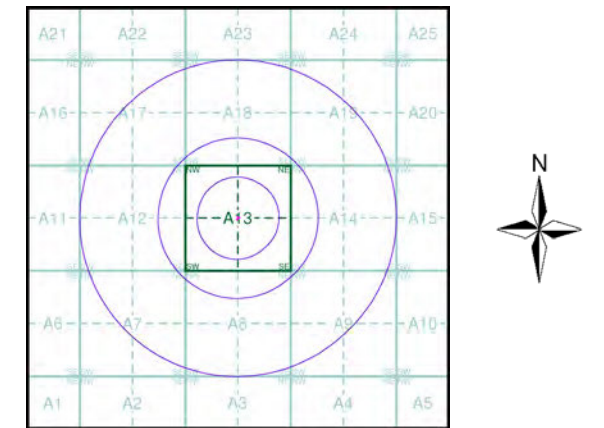
Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ

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

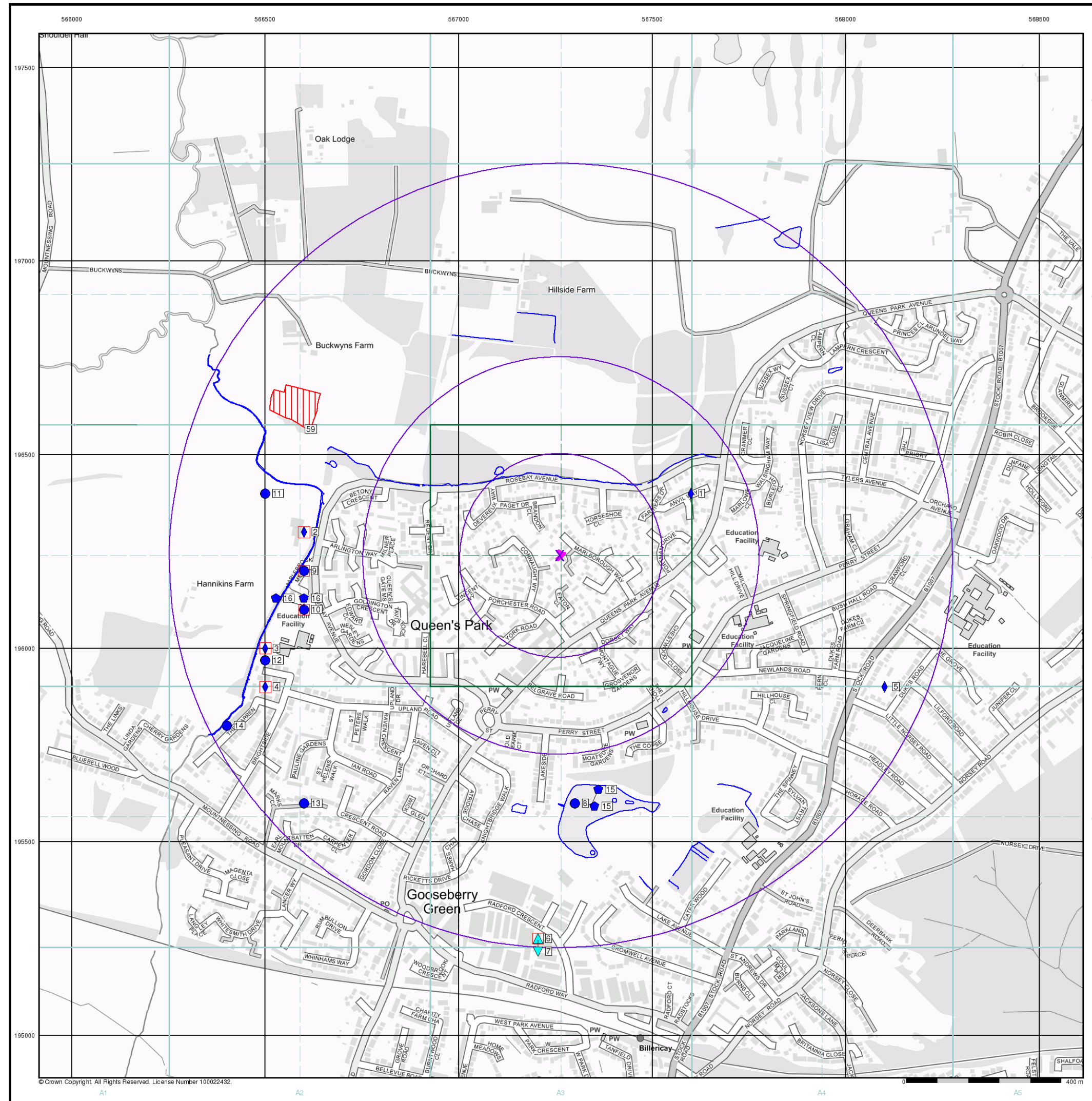
Site Sensitivity Map - Slice A

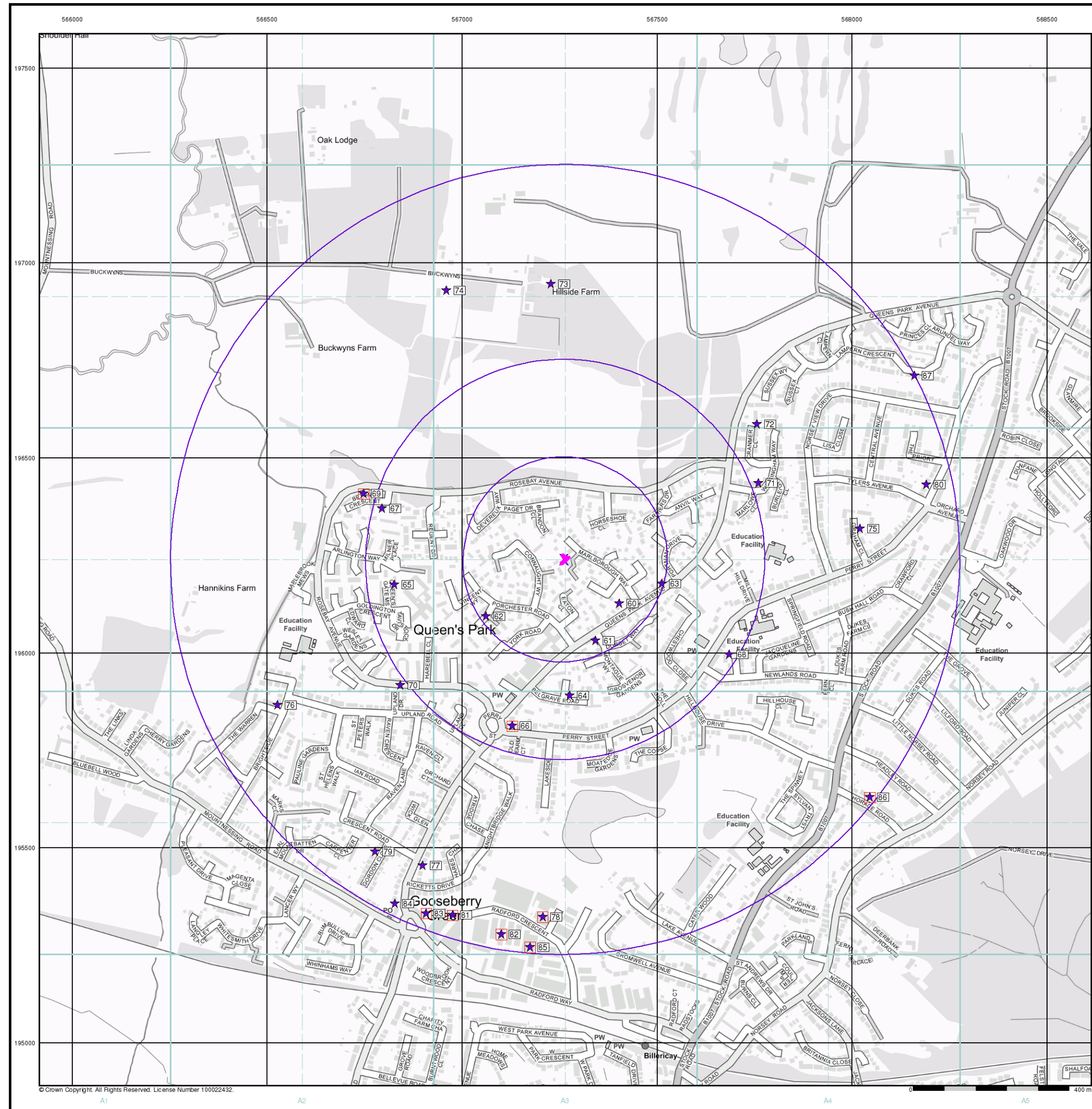


Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details
 85 Marlborough Way, Billericay, Essex, CM12 0YJ

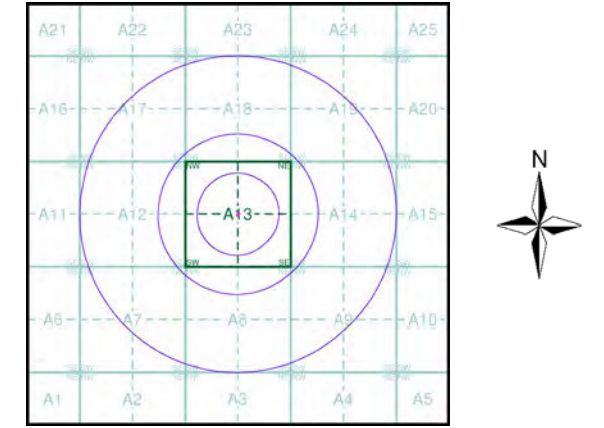




Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details
 85 Marlborough Way, Billericay, Essex, CM12 0YJ

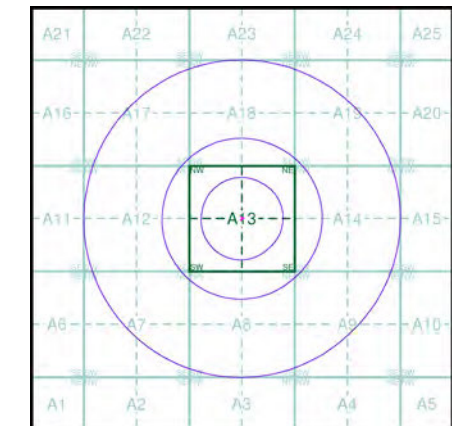
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



General

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

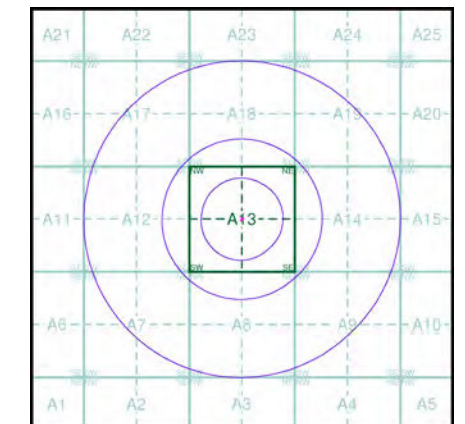
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



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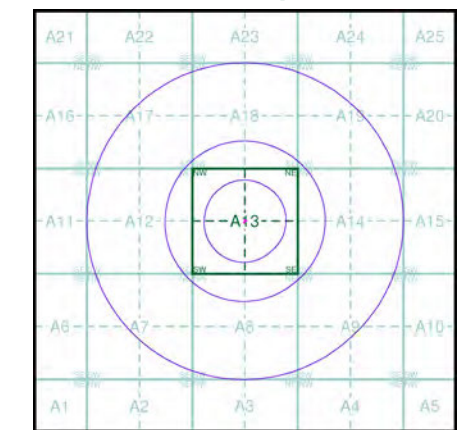
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

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3.4 Risk assessment methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

Classification	Definition
High likelihood	There is a contaminant linkage and an event that appears either very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a contaminant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term, and likely over the long term.
Low likelihood	There is a contaminant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is contaminant linkage but circumstances are such that it is improbable that an event would occur even in the long term.

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in "significant harm" as defined in the CTL Statutory Guidance	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health ("significant harm" as defined in the CTL Statutory Guidance)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability)
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve

Table B: Classification of consequence (continued)

Classification	Receptor	Definition	Examples
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily repairable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

		Consequence (severity)			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

Risk Key

Very High	High	Moderate	Moderate/Low	Low	Very Low
There is a high probability that severe harm could arise to a designated receptor from an identified hazard without appropriate remediation action	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remediation action	It is possible that without appropriate remediation action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely any harm would be mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst if any harm was realised any effects would be mild	The presence of an identified hazard does not give rise to the potential to cause harm to a receptor

3.5 Historical land use maps

Historical Ordnance Survey maps relating to the site and its surrounding area have been provided by Landmark.

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **Sl** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

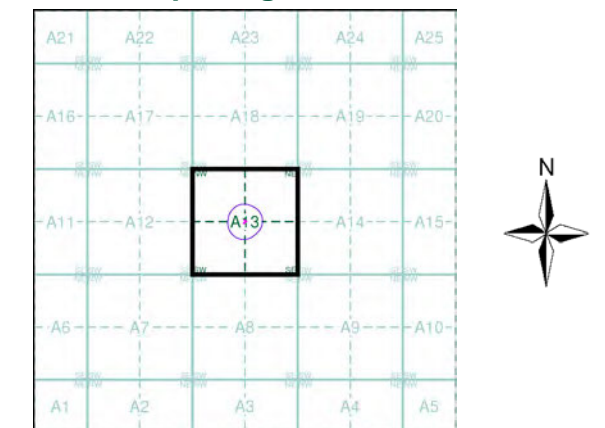
Large-Scale National Grid Data 1:2,500 and 1:1,250

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:2,500	1875	2
Essex	1:2,500	1896	3
Essex	1:2,500	1922	4
Essex	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1955	6
Ordnance Survey Plan	1:2,500	1960 - 1961	7
Ordnance Survey Plan	1:2,500	1967	8
Ordnance Survey Plan	1:2,500	1974	9
Ordnance Survey Plan	1:1,250	1978 - 1989	10
Additional SIMs	1:1,250	1980 - 1992	11
Additional SIMs	1:1,250	1983 - 1987	12
Ordnance Survey Plan	1:1,250	1985 - 1990	13
Additional SIMs	1:1,250	1985 - 1990	14
Additional SIMs	1:1,250	1987	15
Ordnance Survey Plan	1:1,250	1990	16
Additional SIMs	1:2,500	1990	17
Large-Scale National Grid Data	1:1,250	1993	18
Large-Scale National Grid Data	1:1,250	1993	19
Large-Scale National Grid Data	1:1,250	1995	20

Historical Map - Segment A13



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 100

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ

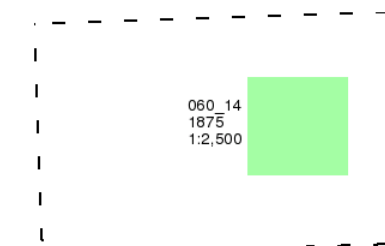
Essex

Published 1875

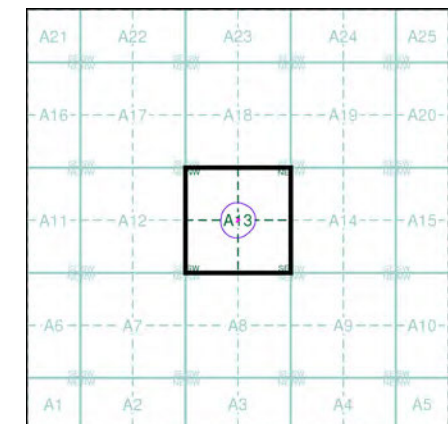
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

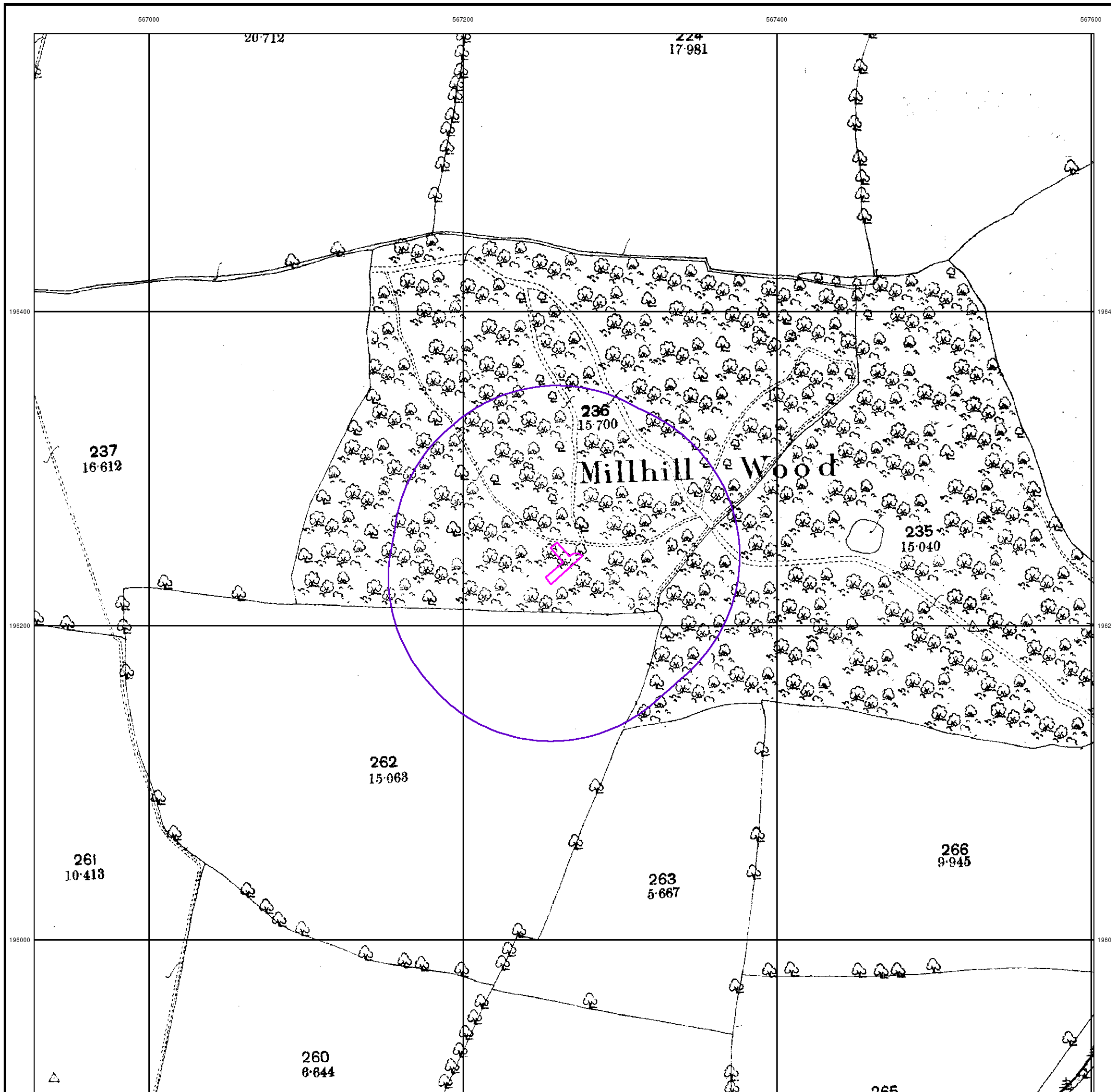


Order Details

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 Site Area (Ha): 0.03
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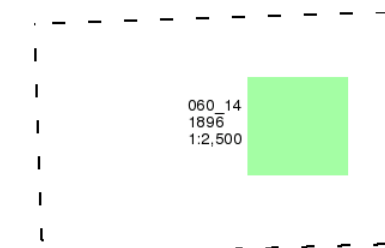
Essex

Published 1896

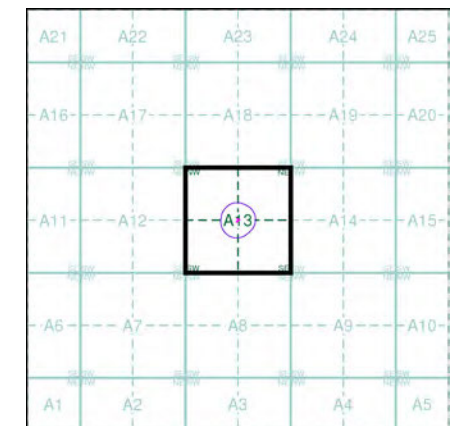
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13

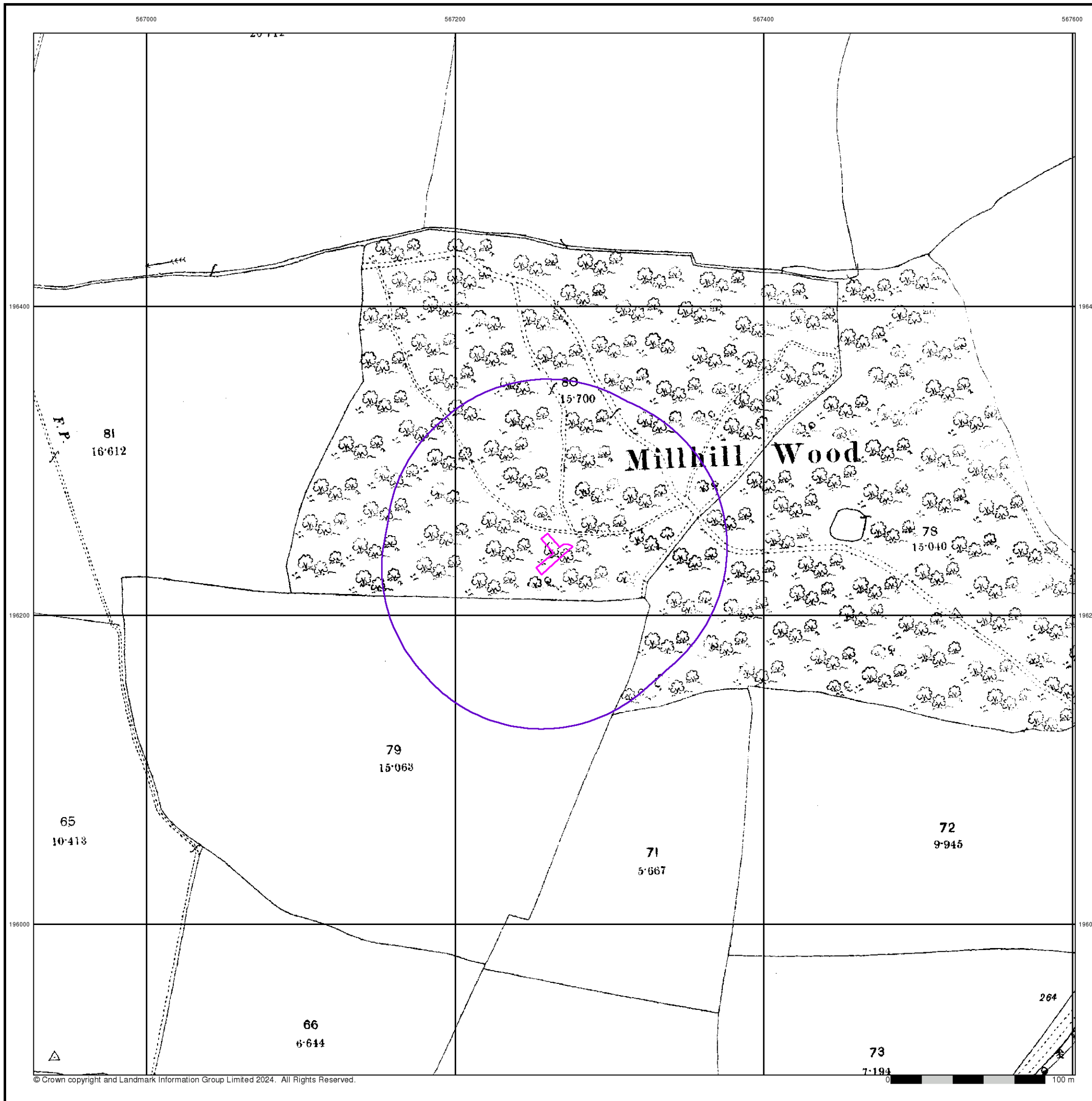


Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 100

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



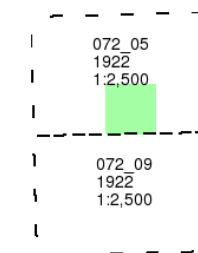
Essex

Published 1922

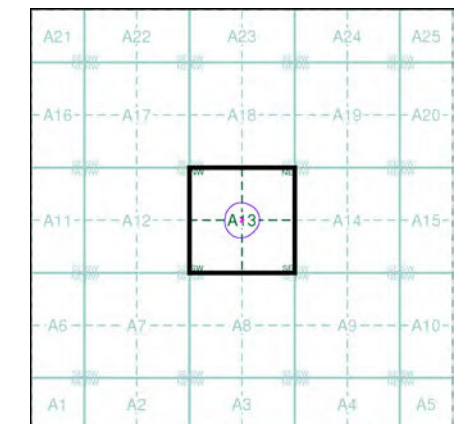
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13

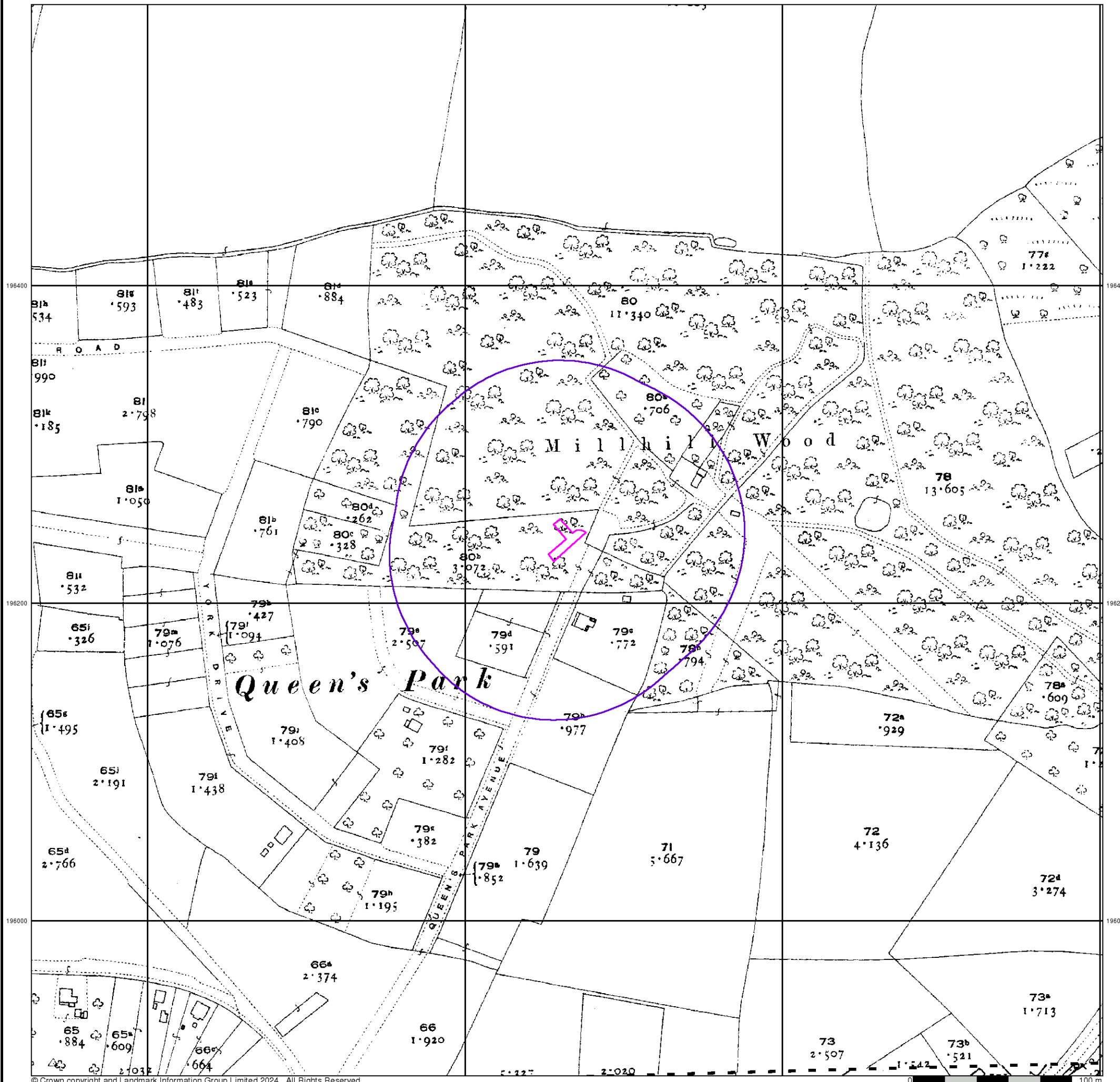


Order Details

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 Slice: A
 Site Area (Ha): 0.03
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Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



567000

567200

567400

567600

196400

196400

196200

196200

196000

196000



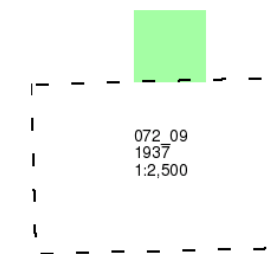
Essex

Published 1937

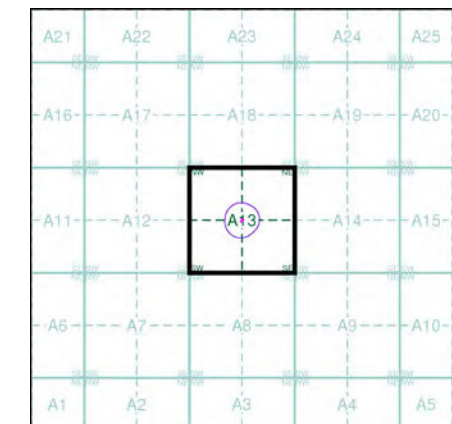
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

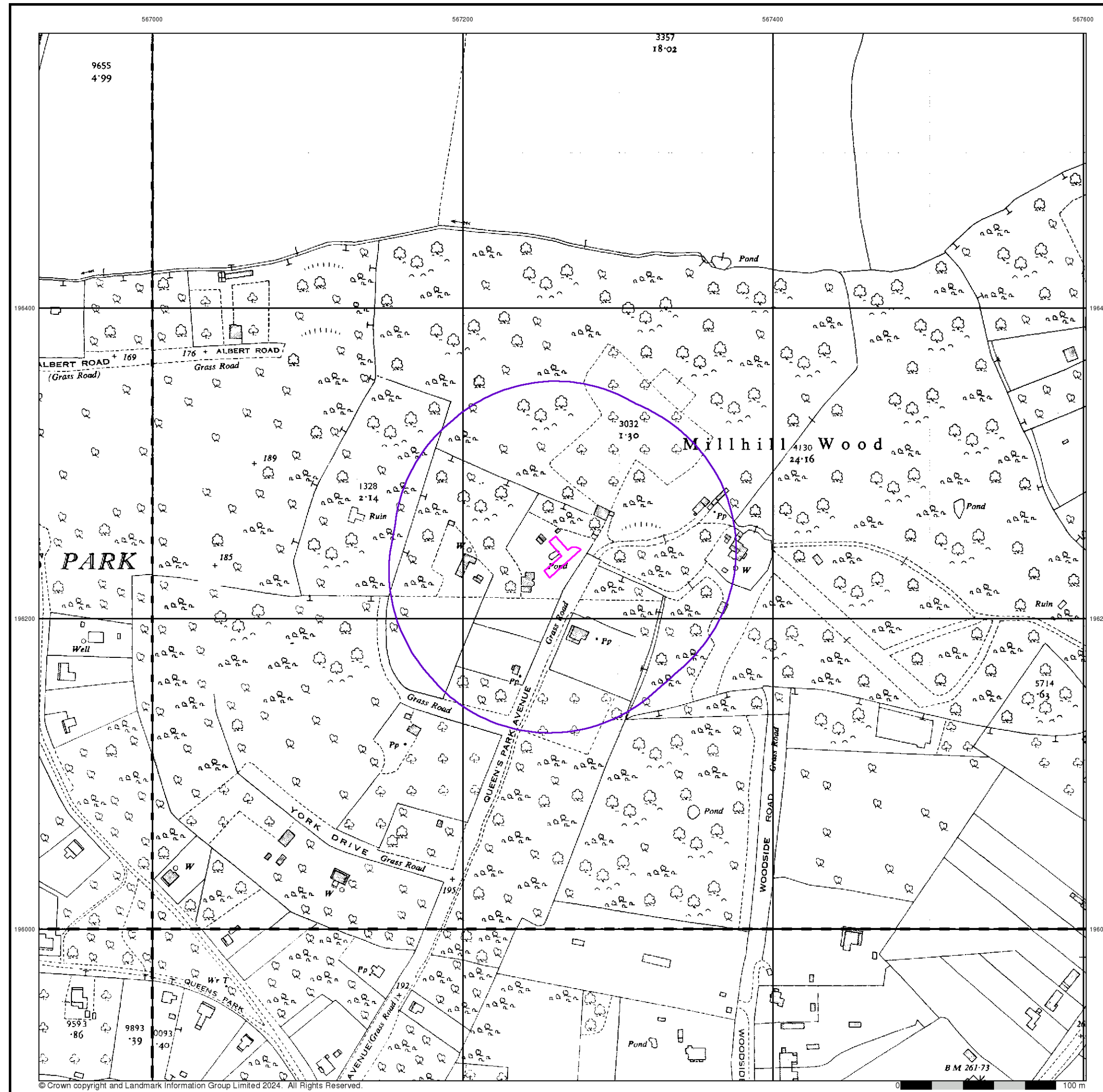
Order Number: 332975743_1_1
Customer Ref: 81206
National Grid Reference: 567260, 196240
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ



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



Ordnance Survey Plan

Published 1955

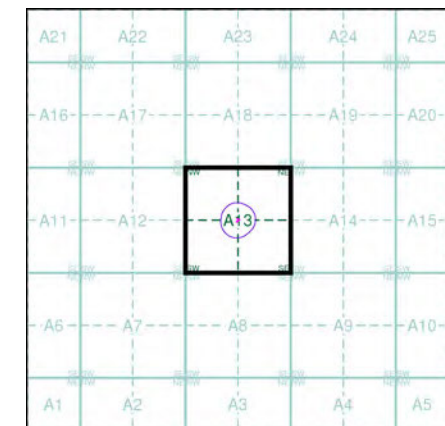
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Map Name(s) and Date(s)

TQ6696 1955 12,500	TQ6796 1955 12,500
TQ6695 1955 12,500	TQ6795 1955 12,500

Historical Map - Segment A13



Order Details

Order Number: 332975743_1_1
 Customer Ref: 81206
 National Grid Reference: 567260, 196240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 100

Site Details

85 Marlborough Way, Billericay, Essex, CM12 0YJ

Ordnance Survey Plan

Published 1960 - 1961

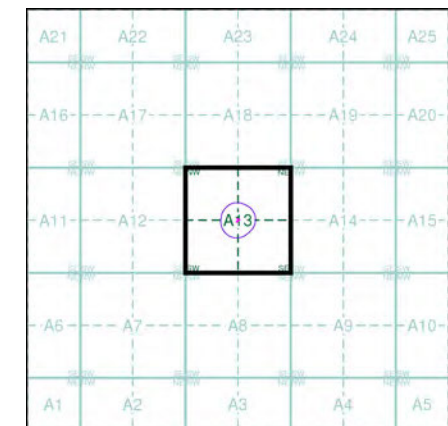
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Map Name(s) and Date(s)

TQ6696 1960 12,500	TQ6796 1960 12,500
TQ6695 1961 12,500	TQ6795 1961 12,500

Historical Map - Segment A13



Order Details

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