

EnviroSmart



Phase 1 Contaminated Land Assessment

Site address

Land adjacent to 110 Station Road
Surfleet
South Holland
Lincolnshire
PE11 4DG

Date issued

September 2022

Report status

Final

Grid Reference

526030, 328760

Site Area

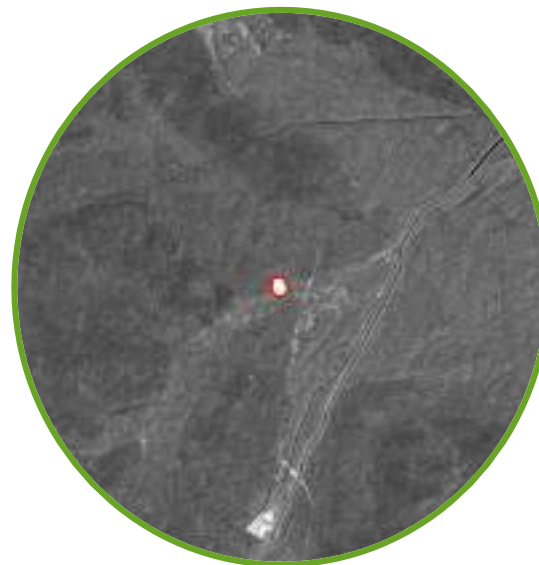
0.29 ha

Report prepared for

Mr M. Foden / Mr T. Laud
Land adjacent to 110 Station Road
Surfleet
Lincolnshire
PE11 4DG

Report reference

77712R1



Risk – Moderate/low

Given the nature of the historical land use and therefore the potential for contamination to be present at the Site, it is recommended that a proportionate programme of site investigation and monitoring works be undertaken in order to establish the presence or absence of contamination and to enable a quantitative assessment of the associated environmental risks. Provide a copy of this report to ground workers. Specify barrier pipework where water supplies are laid within Made Ground

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Report check & review

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Executive Summary



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 used within a domestic capacity including lawned areas and a number of small former agricultural buildings. Development proposals include the demolition of the existing buildings and the construction of two dwellings with associated gardens and parking.

Environmental Setting

The underlying superficial geology consists of Tidal Flat Deposits which are classified as Unproductive Strata; the bedrock geology consists of the Oxford Clay Formation which is also classified as Unproductive Strata.

The nearest water feature is a drainage ditch, located c. 14m north of the Site boundary. The River Glen is located c. 100m southeast of the Site.

Site History

The earliest mapping of the Site, dating from 1887, shows the Site split across a number of agricultural fields with several containing trees (possible orchard(s)); two buildings are also mapped in the south of the Site at this time; a cluster of buildings (a possible farm) is mapped adjacent to the southeast of the Site. By the mid 1970s the Site has been cleared of previous structures and several large warehouses/barns had been built in the centre and north of the Site (some extending onto the adjoining land to the east). Aerial Imagery from 2004 shows that the larger warehouse/barns in the north of the Site had been demolished. Three small buildings remain on-Site to the present day.

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

Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils, and potential for asbestos containing materials within the subsurface soils.

Receptors

Human Health.

Human Health (pathway)

Dermal contact, ingestion & inhalation of soils & soil dust and consumption of home grown produce. Ingress into water supply pipework and subsequent water ingestion. Liberation of sub surface ACMs and inhalation of asbestos fibres.

Controlled Waters (pathway)

Dissolution into pore water/shallow groundwater and subsequent migration and dissolution into aqueous phase and preferential migration via drainage structures.

Preliminary Risk Assessment

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

Recommendations / Next Steps

Phase 2 intrusive investigation

Given the nature of the historical land use and therefore the potential for contamination to be present at the Site, it is recommended that a proportionate programme of site investigation and monitoring works be undertaken in order to establish the presence or absence of contamination and to enable a quantitative assessment of the associated environmental risks.

Sustainable drainage assessment

It is recommended that a Sustainable Drainage Assessment is undertaken prior to development commencing.

1. Introduction



1.1 Background

The study site (from herein known as 'the Site') is situated on land adjacent to 110 Station Road, Surfleet, South Holland. A location plan of the Site is shown in Section 1.5. The current Site layout is shown in Section 1.6 and the proposed development plan is shown in Section 1.7.

GeoSmart was commissioned by Mr M. Foden and Mr T. Laud in June 2022 to undertake a Phase 1 Land Quality Assessment for the Site. The report has been requested by South Holland District Council in order to support Planning Application Reference H17-0600-22.

The proposed development is for the demolition of the existing buildings and the construction of two dwellings with associated gardens.

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:

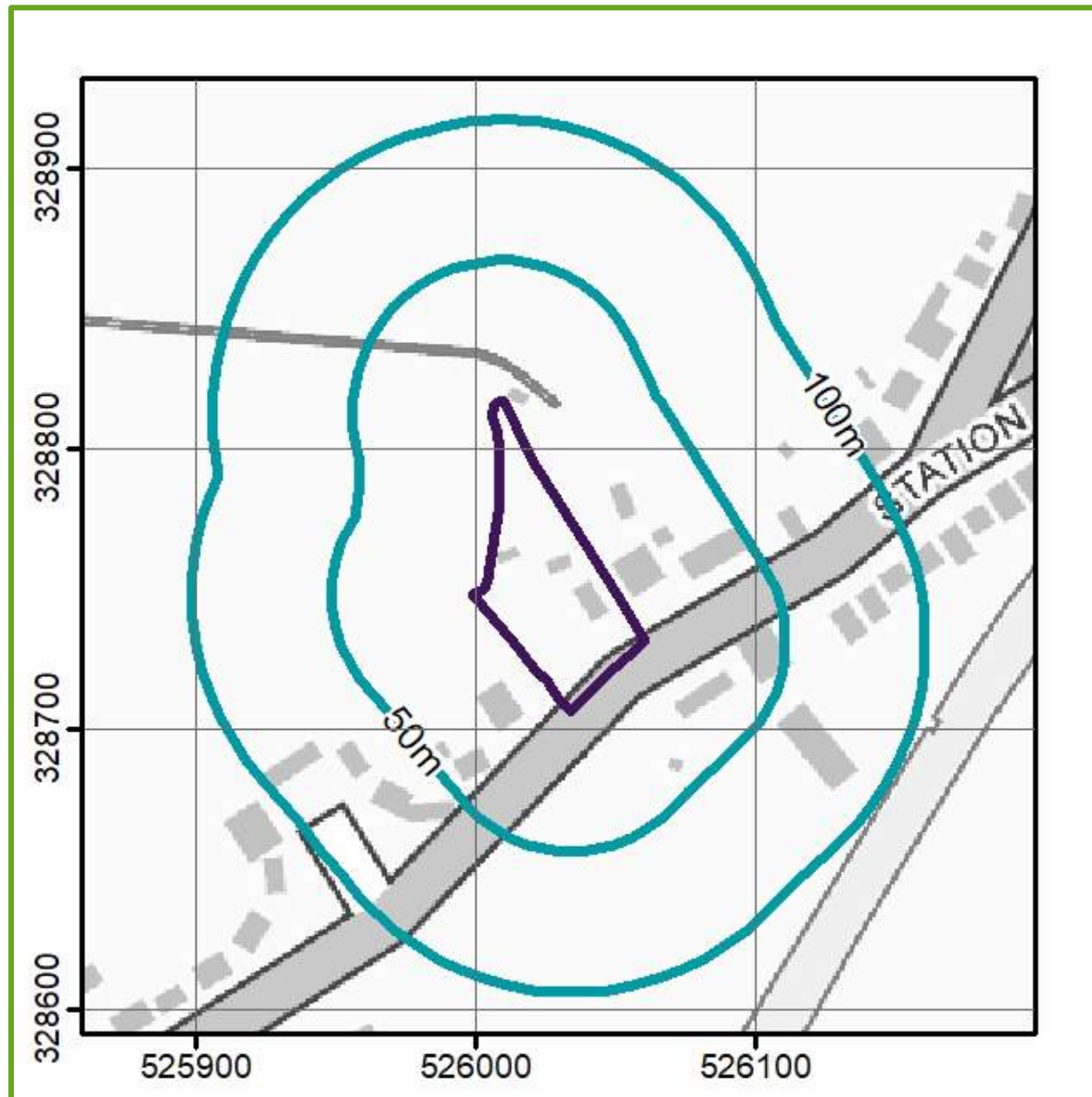
Section	Content	Purpose
Section 2: LAND QUALITY ASSESSMENT	A summary of the site history and environmental setting, the findings of the preliminary risk assessment and associated recommendations	To present a clear and concise overview of the land quality issues facing the Site, including recommendations 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

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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1.6 Current Site layout





2. Land quality assessment

2.1 Site details

Site name:	Land adjacent to 110 Station Road	Current land cover:	Grassed with three small buildings of former agricultural use.
Current use:	Disused former agricultural land with derelict buildings		
Proposed use:	Two residential dwellings with landscaping	Site area:	0.29 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	LIKELY	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1887-1888	The Site is divided between four agricultural fields, two of which contain trees (possible orchard). Two buildings are mapped in the south of the Site alongside Station Road. A pump is marked in the south-east of the Site.	The Site is surrounded by agricultural fields, with some farms and small dwellings. A cluster of buildings is mapped directly to the southeast of the Site. Surfleet Seas End is c. 500m east of the Site, including Surfleet train station and the associated railway.		The land use history suggests that there is the potential for contamination to have occurred on-Site relating to the following: <u>Agricultural</u> Bulk storage of fuels and/or miscellaneous chemicals. Miscellaneous small scale fuel and chemical spills (i.e., fuels used for heating/agricultural machinery/other vehicles, oils and lubricants, herbicides/pesticides, fertilisers, paints/thinners, creosote, etc.).		
	1904-1906	The two buildings in the south are now enclosed. Trees are only mapped within the north eastern field.	A smithy is located c. 460m east. A saw pit is located c. 460m east.		Potential for localised/historical deposition of domestic/agricultural waste materials. Note: there is no direct evidence, including topographic evidence, that any such waste disposal or infilling activities have taken place on the Site. Also, given the open nature of the wider site, it is considered unlikely that any significant wastes were deposited in close proximity to the existing structures.		
	1951-1956	A small building is mapped in the central-eastern part of the Site. A further small building is mapped towards the centre-west of the Site.	Two large buildings are mapped on the adjacent land to the east. Two large warehouses/barns are mapped c. 320m southwest of the Site.				

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	LIKELY	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1973-1977	The two buildings towards the south of the Site are no longer mapped. The small building in the central-eastern part of the Site is also no longer mapped. Several rectangular structures are evident in the centre and north of the Site; several of the structures extend onto the adjoining land to the east.	A small building is mapped adjacent to the Site towards the north. A number of residential dwellings are mapped along Station Road and School Crescent c. 40m southwest of the Site. A drain is marked c. 15m north of the Site. Further large structures are mapped c. 320m southwest of the Site. A sewage works is mapped c.320m northeast of the Site. A haulage depot is mapped c. 320m northeast of the Site.		Possible accumulation of slurry wastes on-Site which could give rise to the generation of bulk gases. Pig slurry (if present) may also give rise to elevated copper and zinc. Lime or sulphate may have been stockpiled on-Site and resulted in high or low pH in soils beneath the stockpiles. Made Ground associated with former development/demolition activities. Animal effluent from the housing of any livestock within the on-Site buildings. Asbestos containing materials (ACM) may have been incorporated within the built structures in the past; the disturbance of any such materials may have resulted in asbestos being present within the sub surface surrounding the buildings. Localised disposal of miscellaneous effluent wastes.		
	1985-1987	No change	An electrical substation is mapped c. 50m east of the Site boundary.				
	1990-1995		Sewage works are mapped c. 400m southwest of the Site.				
	1999	Aerial Imagery shows the previous structures remain across the central and northern parts of the Site; these buildings appear to be agricultural barns. Some assumed crop cultivation is evident in the southern half of the Site with a lawned area in the south-west.	No change				
	2004-2005	Aerial Imagery shows that the larger warehouse/barns towards the north of the Site have been demolished. Three small buildings remain.	Aerial Image shows the large warehouse/barns adjacent to the Site towards the east are demolished and the construction of a dwelling.				
	2010-2022	Aerial Imagery shows that the three remaining buildings have been retained on-Site. The grassed / lawned areas in the central and southern parts of the Site appear to be well maintained. The northern part of the Site is covered by assorted low-lying vegetation.	No change				

2.2 Conceptual understanding (potential sources of contamination)

 Current land use	The Site is currently used as domestic land (formerly agricultural) with three small derelict buildings. There are no known buried storage tanks at the Site. A former above ground fuel tank is located within one of the on-Site buildings. There is known bulk fuel and/or chemical storage on Site. Suspected ACM's are present within the roofing materials associated with the on-Site buildings.			POTENTIAL SOURCES OF CONTAMINATION	Given the Site's current use, there is potential for localised contamination relating to the following: Potential leaks associated with the redundant fuel tank; this is however understood to be contained within a concrete bund. There is possibly a former septic tank towards the northeast of the Site. Disturbance of ACMs may result in the presence of asbestos within the surrounding soils.	LOW LIKELI-HOOD																																																					
 Neighbouring industrial land uses <i>(see environmental data report in Section 3.3 for full listing)</i>	There are one or more potentially contaminative land uses are located within 250 m of the Site: <table><tr><th>Distance from Site</th><th>Number of active industrial land uses</th><th>Number of inactive industrial land uses</th></tr><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>0</td></tr></table> <table><tr><th>Nr</th><th>Nearest distance</th><th>Land use / permitted activity / authorisation</th></tr><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>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></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	0	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	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	Despite the presence of one potentially contaminative activity in the area surrounding the Site, given the distance of this from the Site it is unlikely to pose a significant contamination hazard in relation to the Site itself. Contemporary trade directory entries include: Bee Kleen, commercial cleaning services, c. 226m southwest from the Site.	UNLIKELY
Distance from Site	Number of active industrial land uses	Number of inactive industrial land uses																																																									
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2.2 Conceptual understanding (potential sources of contamination)

 EA recorded pollution incidents <i>(see environmental data report in Section 3.3 for full listing)</i>	One or more Environment Agency pollution incidents have been recorded within 250 m of the Site. These include: An incident occurred in 1992 c. 155m east of the Site. The pollutant was unknown and the incident was categorised as minor. An incident occurred in 1994 associated with the River Glen c. 155m east of the Site. The pollutant was oils / other oil and the incident was categorised as significant.	POTENTIAL SOURCES OF CONTAMINATION	Given the scale, timing, location and nature of the recorded incidents these past events do not appear to pose a significant contamination hazard to the Site.	UNLIKELY	PROBABILITY OF CONTAMINATION
 Landfills / waste sites <i>(taken within 500m radius of the Site boundary, see environmental data report in Section 3.3 for full listing)</i>	There are no Environment Agency listed historical landfills located within 500 m of the Site. There are no registered landfills located within 500 m of the Site. There are no Local Authority listed historical landfills located within 500 m of the Site. The following other waste sites are not registered within 500 m of the Site: 0 Records of registered waste transfer sites. 0 Records of registered waste treatment or disposal sites. 0 Records of licenced waste management facilities.		Given the absence of any historical or operational landfills within close proximity of the Site no associated contamination hazards have been identified. Given the absence of any waste treatment, transfer or disposal sites within close proximity of the Site no associated contamination hazards have been identified.	NEGLIGIBLE	

2.2 Conceptual understanding (potential sources of contamination)

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

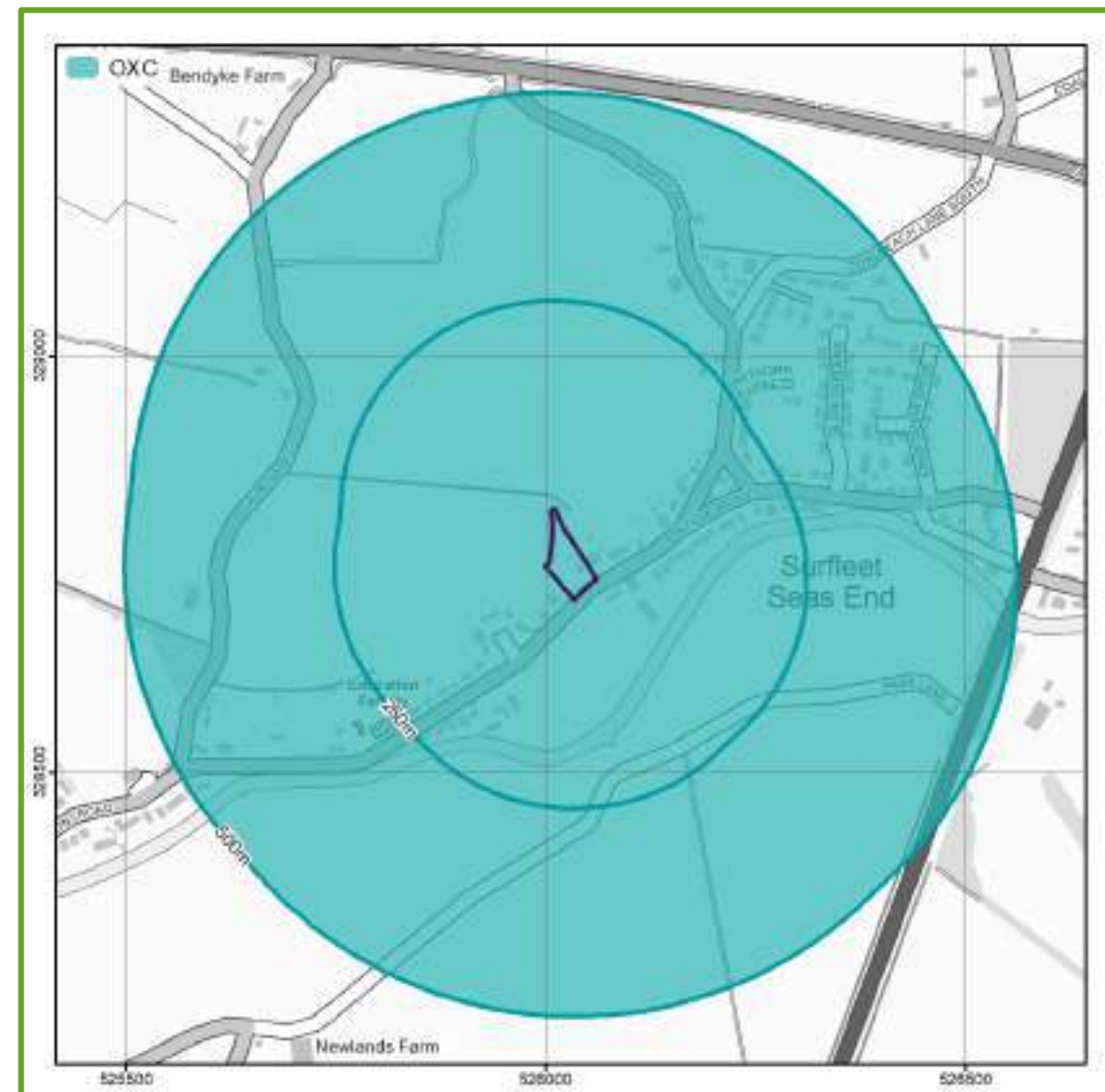
 Geology and Groundwater <i>(see the environmental data report in Section 3.3 for full details)</i>	British Geological Survey mapping indicates that the underlying superficial geology consists of Tidal Flat Deposits (TFD) which comprise of clay and silt and are classified as Unproductive Strata. British Geological Survey mapping indicates that the bedrock geology consists of the Oxford Clay Formation (OXC) which comprises of silicate mudstone with beds of limestone and is classified as Unproductive Strata. According to the GeoSmart Groundwater Flood Risk (GW5) Map (GeoSmart, 2022). The risk of groundwater flooding at the Site is 'negligible'. The Site does not lie within a groundwater Source Protection Zone (SPZ). There are no groundwater abstraction licences within 1 km of the Site.	POTENTIAL RECEPTORS	Unproductive Strata typically have low permeability and offer negligible water supply or river base flow potential. Unproductive Strata typically have low permeability and offer negligible water supply or river base flow potential. Based on the susceptibility of the Site to groundwater flooding, a groundwater flood risk assessment is not considered necessary for the Site. The depth to groundwater beneath the Site is unknown. 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.	MINOR	POTENTIAL SEVERITY OF IMPACT
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Superficial Geology (BGS, 2022)



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Bedrock Geology (BGS, 2022)



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

 Geohazards <i>(see the environmental data report in Section 3.3 for full details)</i>	The Site does not lie within a 'Coal Mining Reporting Area'. There are no brine affected areas within 75 m of the Site. No or limited artificial ground / Made Ground is anticipated on Site. The following natural hazards are present at or within 50 m of the Site: Compressible ground deposits Running sands	POTENTIAL RECEPTORS	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. The Site does not lie within an area of former brine working and is therefore unlikely to be affected by related ground stability issues. BGS GeoIndex Onshore mapping does not have any artificial deposits recorded at the Site. The Site has ground stability hazards that should be considered further as part of the redevelopment plans. The potential for compressible ground at the Site is Moderate. The potential for running sands at the Site is Moderate.	MILD	POTENTIAL SEVERITY OF IMPACT
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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 Surface water <i>(see the environmental data report in Section 3.3 for full details)</i>	The nearest water feature is a drainage ditch, located c. 14m north of the Site. The River Glen is located c. 100m southeast of the Site. The Site lies within a Flood Zone 1 (low probability). The following surface water abstraction licences are held within 1 km of the Site: Spalding Golf Club surface water abstractions located c. 580m and 640 m east of the Site.	POTENTIAL RECEPTORS	The relatively close proximity of the identified surface water feature(s) suggests that a potential linkage could occur if any contamination were present on Site. Mobile contamination may potentially enter nearby water features via any shallow groundwater or possibly via preferential flow pathways such as buried services.	MILD	POTENTIAL SEVERITY OF IMPACT
 Environmental designations <i>(see the environmental data report in Section 3.3 for full details)</i>	There are no environmentally sensitive land uses within 500 m of the Site.		No relevant environmentally designated sites/receptors have been identified.	NEGLIGIBLE	
 Human receptors	Proposed residents/users of the Site plus neighbouring residences.		Human receptors are proposed to be present on Site.	SEVERE	

2.4 Regulator perspective

Consultation date	13/09/22	South Holland District Council
GeoSmart consultant	Jack Croft	N/A
Consultation outcome	South Holland District Council did not respond within the timeframe of this report.	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources - Agricultural: potential for localised deposition of agricultural waste, accumulation of slurry, possible animal effluent, likely Made Ground from former development and demolition activities. Possible fuel tank and septic tank leakage.								
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	LOW LIKELIHOOD	MODERATE/LOW RISK	Given the potential presence of Made Ground beneath the Site, any residual contamination associated with this material has the potential to impact on future site users particularly in garden areas.
2		Consumption of home grown produce	HH		MEDIUM	LOW LIKELIHOOD	MODERATE/LOW RISK	
3		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	LOW LIKELIHOOD	MODERATE/LOW RISK	
4		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	LOW LIKELIHOOD	LOW RISK	Aggressive ground conditions are not anticipated to be present.
5		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Tidal Flat Deposits (Unproductive Strata)	MILD	LOW LIKELIHOOD	LOW RISK	The risk classification reflects the low resource potential and modest permeability of the underlying superficial geology.

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources - Agricultural: potential for localised deposition of agricultural waste, accumulation of slurry, possible animal effluent, likely Made Ground from former development and demolition activities. Possible fuel tank and septic tank leakage.								
6	Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils	Dissolution into pore water/shallow groundwater and subsequent migration	CW	Oxford Clay Formation (Unproductive Strata)	MILD	UNLIKELY	VERY LOW RISK	The superficial geology is likely to offer some protection to any groundwater with the underlying bedrock aquifer from surface based contaminants.
7		Dissolution into pore water/shallow groundwater and subsequent lateral migration	CW	Drainage ditch (c. 14m north) and the River Glen (c. 100m southeast)	MILD	UNLIKELY	VERY LOW RISK	The local geological setting suggests that any groundwater occurring beneath the Site is unlikely to migrate readily towards the surface water feature. The drainage channel is likely to be of limited ecological or water resource significance.
8		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	
9	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.
10		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources - Agricultural: potential for localised deposition of agricultural waste, accumulation of slurry, possible animal effluent, likely Made Ground from former development and demolition activities. Possible fuel tank and septic tank leakage.								
11	Potential for volatile organic contaminants to be present within the subsurface soils	Ingress into water supply pipework and subsequent water ingestion	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of volatile contamination.
12		Migration of vapours to surface; inhalation indoors	HH		MEDIUM	UNLIKELY	LOW RISK	
13		Migration of vapours to surface; inhalation outdoors	HH		MEDIUM	UNLIKELY	LOW RISK	
14		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.
15		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Tidal Flat Deposits (Unproductive Strata)	MINOR	UNLIKELY	VERY LOW RISK	The risk classification reflects the likely absence of an appreciable volatile source and also the low groundwater sensitivity (low resource value).
16		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Oxford Clay Formation (Unproductive Strata)	MINOR	UNLIKELY	VERY LOW RISK	
17		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Drainage ditch (c. 14m north) and the River Glen (c. 100m southeast)	MINOR	UNLIKELY	VERY LOW RISK	The local geological setting suggests that any groundwater occurring beneath the Site is unlikely to migrate readily towards the surface water feature. The drainage channel is likely to be of limited ecological or water resource significance.
18		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MINOR	UNLIKELY	VERY LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources - Agricultural: potential for localised deposition of agricultural waste, accumulation of slurry, possible animal effluent, likely Made Ground from former development and demolition activities. Possible fuel tank and septic tank leakage.								
19	Potential for asbestos containing materials within the subsurface soils	Liberation of sub surface ACMs and inhalation of asbestos fibres	HH	Future Site occupants	MEDIUM	LOW LIKELIHOOD	MODERATE/LOW RISK	Given the age of the past and present building structures asbestos-containing material may be / have been present within the building fabric and also the surrounding subsoils.
20	Potential for dissolved phase contaminants to be present within shallow groundwater	Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Tidal Flat Deposits (Unproductive Strata)	MINOR	UNLIKELY	VERY LOW RISK	The risk classification reflects the likely absence of an appreciable dissolved phase source and also the low groundwater sensitivity (low resource value).
21		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Oxford Clay Formation (Unproductive Strata)	MINOR	UNLIKELY	VERY LOW RISK	
22		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Drainage ditch (c. 14m north) and the River Glen (c. 100m southeast)	MINOR	UNLIKELY	VERY LOW RISK	The local geological setting suggests that any groundwater occurring beneath the Site is unlikely to migrate readily towards the surface water feature.

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources - Agricultural: potential for localised deposition of agricultural waste, accumulation of slurry, possible animal effluent, likely Made Ground from former development and demolition activities. Possible fuel tank and septic tank leakage.								
23	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	III	On-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	Based on the prevailing conceptual understanding an appreciable gas source is considered unlikely. The risk classification is a reflection of the severity of consequences rather than the likelihood of occurrence.
24		Lateral migration towards off-Site buildings; potential to cause an explosion	III	Off-Site properties and their occupants		UNLIKELY	MODERATE/LOW RISK	
25	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation	III	Occupants of on-Site buildings		UNLIKELY	MODERATE/LOW RISK	
26		Lateral migration towards off-Site buildings; potential to cause asphyxiation	III	Occupants of off-Site buildings		UNLIKELY	MODERATE/LOW RISK	
27	Potential for radon within the subsurface	Lateral migration towards on-Site buildings; potential to cause long term health effects	III	Occupants of on-Site buildings	MEDIUM	NEGLIGIBLE	NO DISCERNABLE 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 (ON-SITE sources)						MODERATE/LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
Off-Site sources: Surrounding farms, haulage depot (c. 320m southwest), smithy (c. 460m east), saw pit (c. 460m east), golf course (c.500 m southeast).								
28	Potential for both inorganic and volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	III	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Given the low permeability of the underlying geology, it is considered unlikely that migration onto Site of any contaminants from off-Site sources will have occurred.
29		Consumption of home grown produce	III		MEDIUM	UNLIKELY	LOW RISK	
30		Ingress into water supply pipework and subsequent water ingestion	III		MEDIUM	UNLIKELY	LOW RISK	
31		Migration of vapours to surface; inhalation indoors	III		MEDIUM	UNLIKELY	LOW RISK	
32		Migration of vapours to surface; inhalation outdoors	III		MEDIUM	UNLIKELY	LOW RISK	
33	Potential for elevated methane to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause an explosion	III	On-Site properties and their occupants	MEDIUM	UNLIKELY	LOW RISK	Given the likely absence of any appreciable Made Ground or infilled land within close proximity of the Site plus the likely low permeability of the underlying geology, it is considered unlikely that there would be any appreciable gas sources which would impact the Site.
34	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation	III	Occupants of on-Site buildings	MEDIUM	UNLIKELY	LOW RISK	

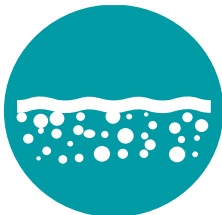
2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
Off-Site sources: Electrical Substation (c. 50m east)								
35	Potential contaminants: polychlorinated biphenyls (PCBs) and petroleum hydrocarbons	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Given the location of the sub station (c. 50m east), the cohesive nature of the local soils / geology and the relatively low mobility of PCB contaminants, it is unlikely that future Site occupants would be impacted.
36		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
37		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
38		Migration of vapours to surface; inhalation indoors	HH		MEDIUM	UNLIKELY	LOW RISK	
39		Migration of vapours to surface; inhalation outdoors	HH		MEDIUM	UNLIKELY	LOW RISK	
	OVERALL RISK RATING (OFF-SITE sources)						LOW RISK	

2.6 Next Steps

✓	Phase 2 intrusive investigation		Given the nature of the historical land use and therefore the potential for contamination to be present at the Site, it is recommended that a proportionate programme of site investigation and monitoring works be undertaken in order to establish the presence or absence of contamination and to enable a quantitative assessment of the associated environmental risks. Further advice: Please contact info@geosmartinfo.co.uk for further information regarding the need for a Phase 2 investigation. For information on reputable site investigation companies, enquiries can be made directly to your local authority or via www.endsdirectory.com
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2.7 Other recommendations

✓	Sustainable Drainage Assessment		It is recommended that a Sustainable Drainage Assessment is undertaken prior to development commencing. Please contact info@geosmartinfo.co.uk for further information and a site specific quotation.
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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 Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB 300737258_1_1) including: • 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
3.6	Topography Maps

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Tel: 01743 298100

Email: info@geosmartinfo.co.uk

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- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
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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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- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

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We will co-operate fully with the Ombudsman during an investigation and comply with his final decision. Complaints should be sent to:

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

Tel: 01743 298100
martinlucass@geosmartinfo.co.uk

3.1 References

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

British Geological Survey, 2022. GeoIndex Onshore (<http://mapapps2.bgs.ac.uk/geoindex/home.html>)

British Standards Institute, 2011. Investigation of potentially contaminated sites – code of practice. BS10175:2011+A1:2013

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

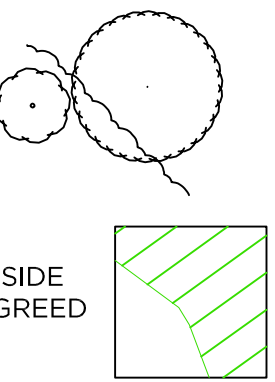
Environment Agency, 2020. Land Contamination Risk Management (LCRM)

GeoSmart Information Limited, 2022. National Groundwater Flood Risk Map (GW5)

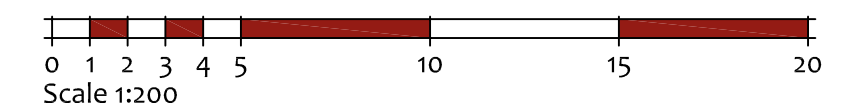
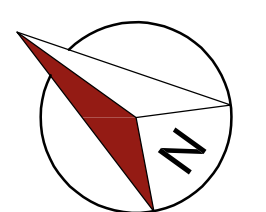
Health Protection Agency, 2000. Spring 2000 Newsletter featuring; Radon: Guidance on Protective Measures for New Dwellings (BR 211)

Landmark, 2022. Landmark Envirocheck report Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB 300737258_1_1

Existing Hedge/Tree ()



3m EASEMENT EITHER SIDE
OF FOUL SEWER AS AGREED
WITH AWA



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PROJECT
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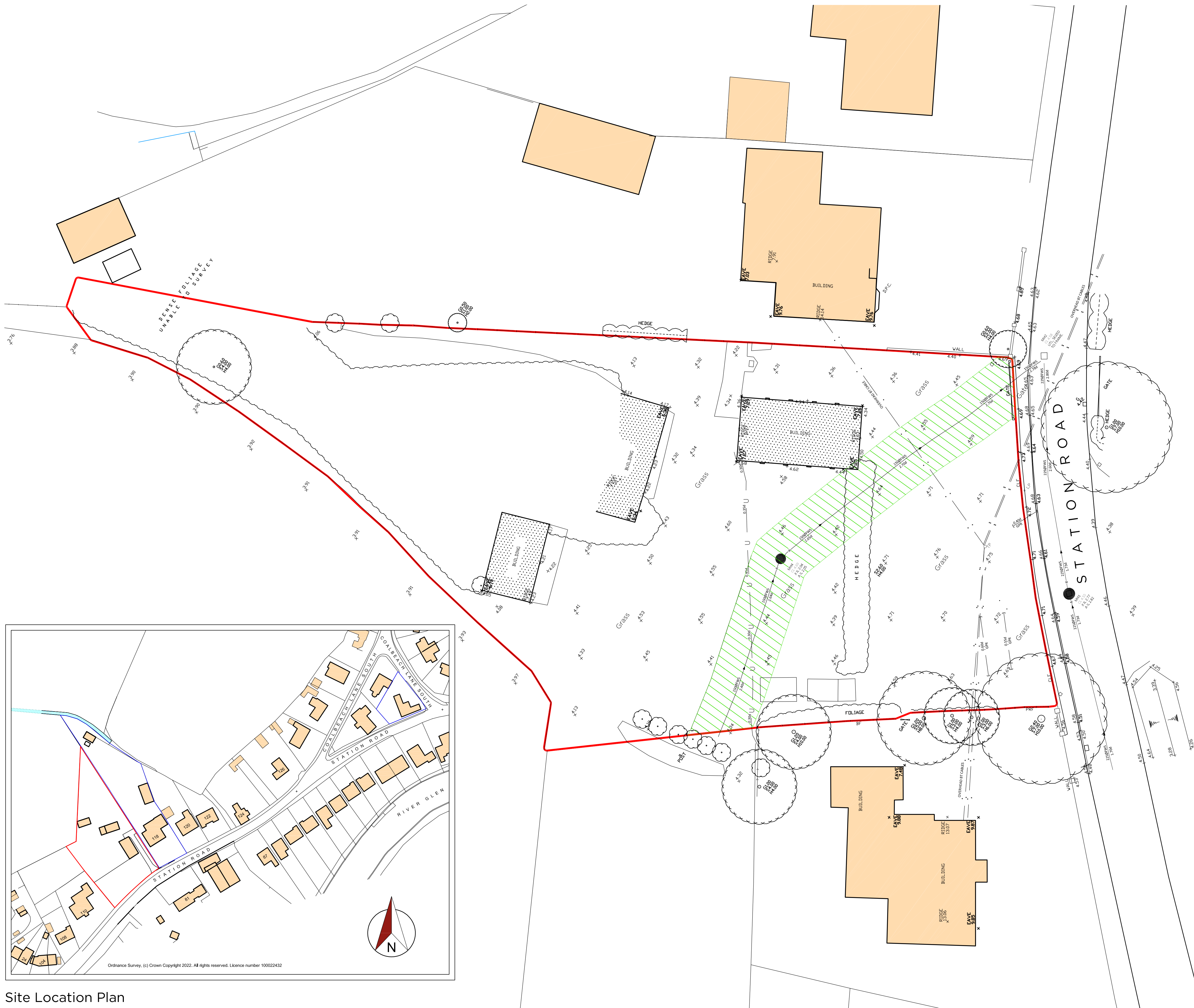
TITLE
SITE LOCATION & EXISTING SITE SURVEY

DRAWING No.
062/063 S01

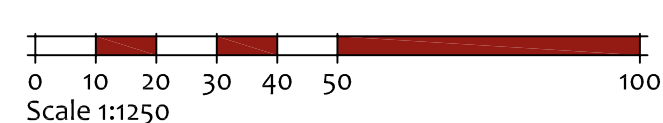
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1:1250 & 1:200 @ A1

DATE	REV
JUNE 2022	

REV

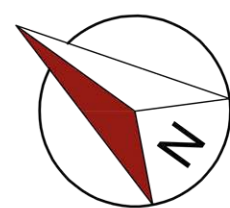


Site Location Plan
Scale 1:1250



Legend

- Existing Hedge/Tree
- Proposed Hedge Planting
- Proposed Level 3.675
- Existing Level 3.20
- Waste Collection Point WCP
- Golden Gravel
- Buff Paving 'Brett Quorndon'
- Block Paving Tegula Grey
- Grass
- Boundary Type A
- Boundary Type B
- Boundary Type C
- Visibility Splay
- Pedestrian Visibility Splay
- Proposed Surface Water to Soakaways
- Proposed Foul Drainage Layout
- New BT Pole and Overhead Cable Route
- Location of Integrated Swift Nest Box
- Ibstock Bat Box type 'C' integrated bat boxes
- 130x130mm Hedgehog access in accordance with 'The Wildlife Trusts' advice



0 1 2 3 4 5 10 15 20
Scale 1:200

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TITLE
PROPOSED SITE LAYOUT

DRAWING No.
062/063 P01

SCALE
1:1250 & 1:200 @ A1

DATE
JUNE 2022

REV



Planting			
Species Name	Abbreviation	Specification	Density
Mixed Native Hedging			
RSPB Approved Mix Comprising of:	Mixed Native		6/m Staggered
25% Hawthorn (Crataegus monogyna)		60/90cm	
25% Blackthorn (Prunus spinosa)		60/90cm	
10% Alder (Ainus glutinosa)		60/90cm	
10% Wild Privet (Ligustrum vulgare)		60/90cm	
10% Wild Cherry (Prunus avium)		60/90cm	
10% Bird Cherry (Prunus padus)		60/90cm	
10% Spindle (Euonymus europaeus)		60/90cm	

NOTES:

- All planting & landscape operations to comply with Landscape Specification, BS4482(1989) 'Recommendations for General Landscape Operations' and BS3936 Pt 1 (1992) 'Specification for Nursery Stock Trees and Shrubs'. All container sizes shown are minimums acceptable - all plants to be supplied to sizes indicated.
- All ornamental shrub beds and hedges to be provided with coarse grade bark mulch minimum 75mm deep.
- Topsoil to be 450mm deep in all shrub areas, 100mm deep in all grass areas. Tree pits to be 750 x 750 x 500mm filled with topsoil.
- All grass areas to be turfed using Premium quality lawn turf, refer also to Specification
- Provide 250mm wide gravel margin with timber edge, where grass abuts building, 100mm deep, laid on Terram.

IMPLEMENTATION

Landscaping work to be undertaken in the first planting season following completion of the building works.

MATERIALS



IBSTOCK BRICK, IVANHOE CREAM
FACING BRICKWORK



MARLEY EDMERE ROOF TILES,
COLOUR: SMOOTH GREY

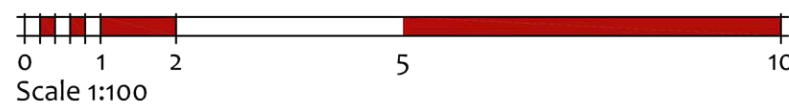
BRICKWORK BELOW DPC LEVEL
TO BE, GREY ENGINEERING

WINDOWS; GREY RAL7016 U-PVC
STYLE AS INDICATED ON DRAWINGS

GREY UPVC SOFFITS AND FASCIAS

BLACK PVC-U RAINWATER GOODS

ALUMINIUM ROLLER GARAGE DOOR
COLOUR; GREY, RAL7016



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TITLE
PROPOSED FLOOR PLANS & ELEVATIONS PLOT 1

DRAWING No.
062/063 P02

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DATE
MAY 2022

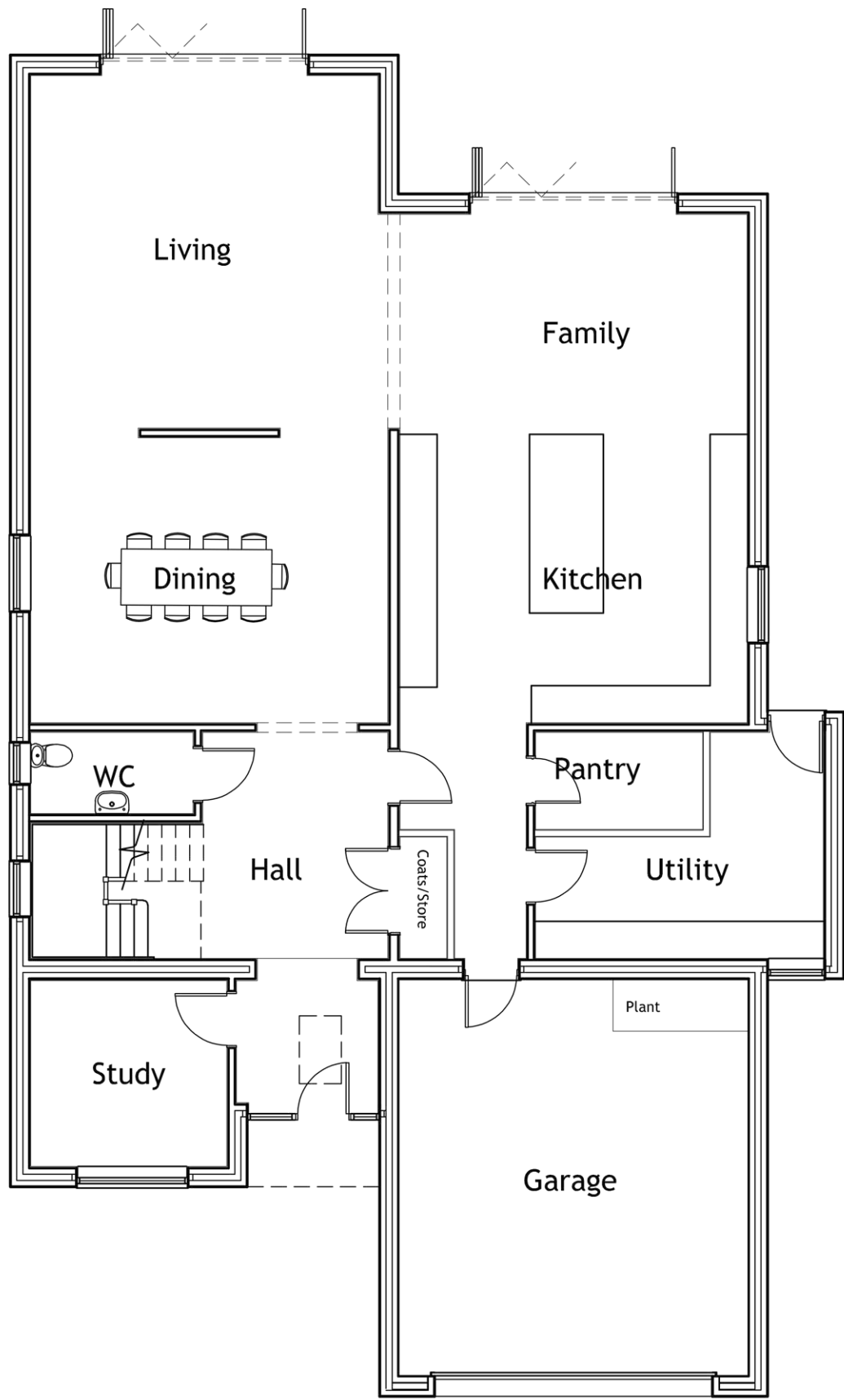
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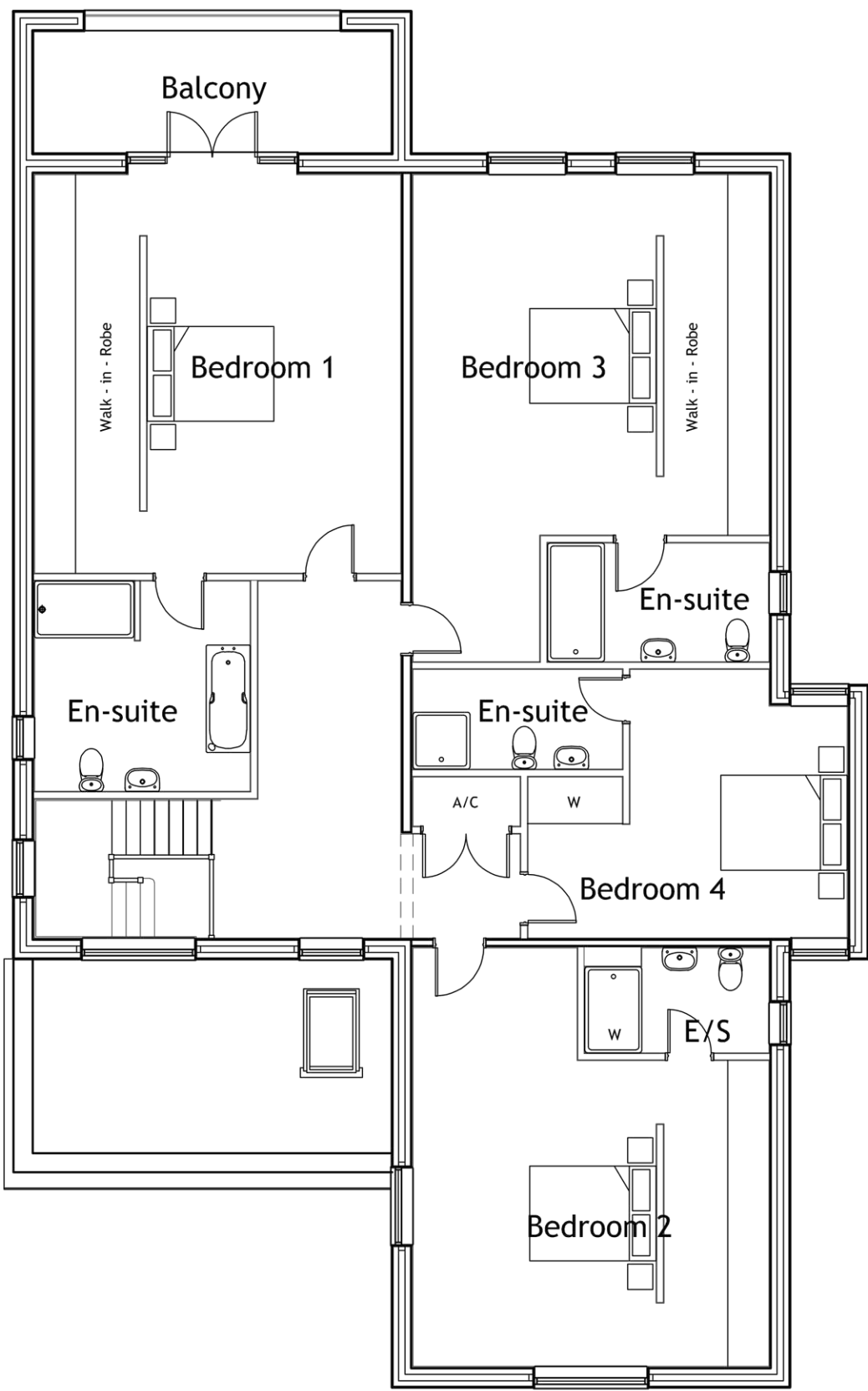
South Elevation (Front)



West Elevation (Side)



Ground Floor Plan



First Floor Plan



North Elevation (Rear)



East Elevation (Side)

MATERIALS



IBSTOCK BRICK, IVANHOE CREAM
FACING BRICKWORK



MARLEY EDGEMERE ROOF TILES,
COLOUR: SMOOTH GREY

BRICKWORK BELOW DPC LEVEL
TO BE, GREY ENGINEERING

WINDOWS; GREY RAL7016 U-PVC
STYLE AS INDICATED ON DRAWINGS

GREY UPVC SOFFITS AND FASCIAS

BLACK PVC-U RAINWATER GOODS

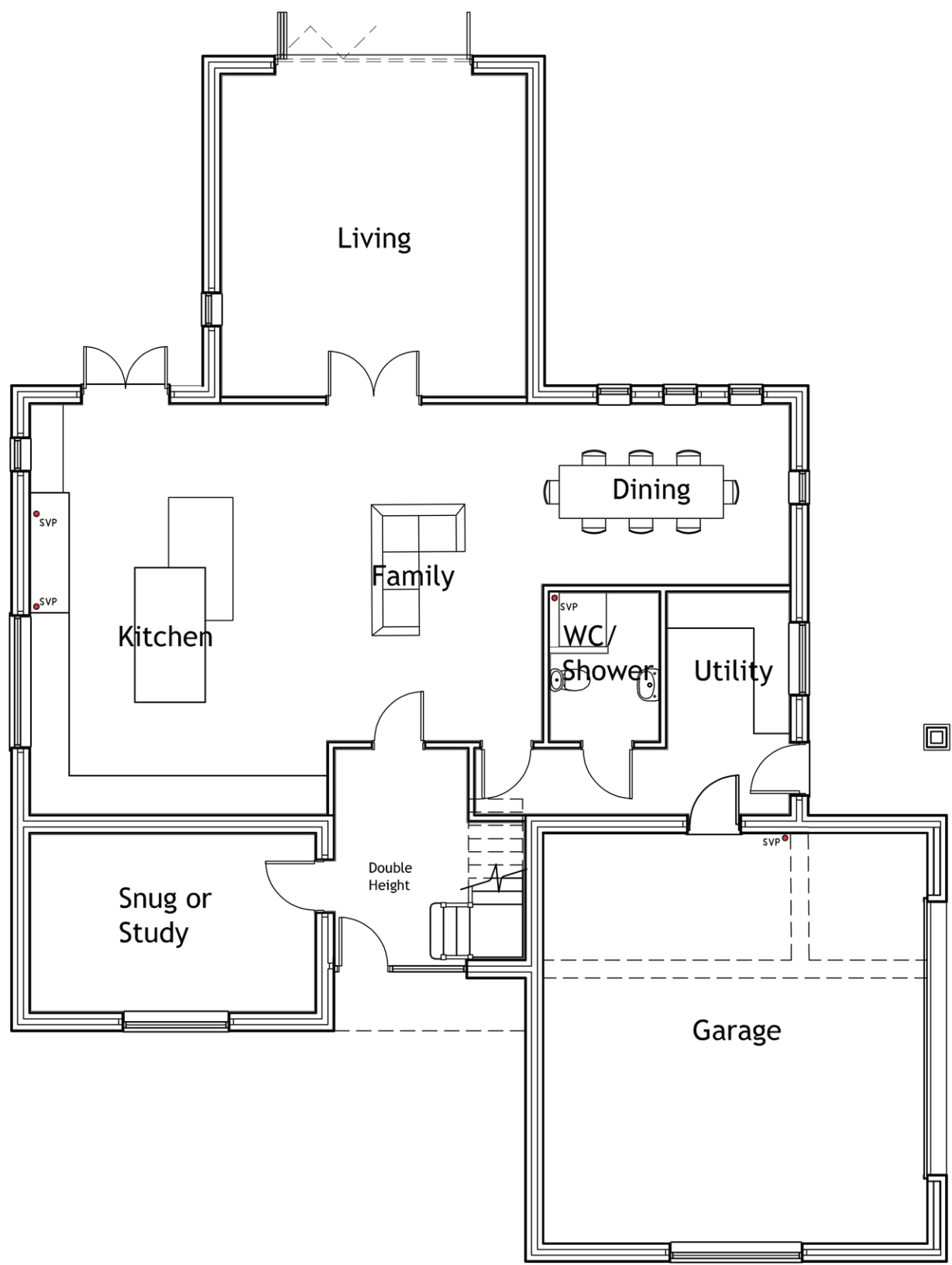
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COLOUR; GREY, RAL7016



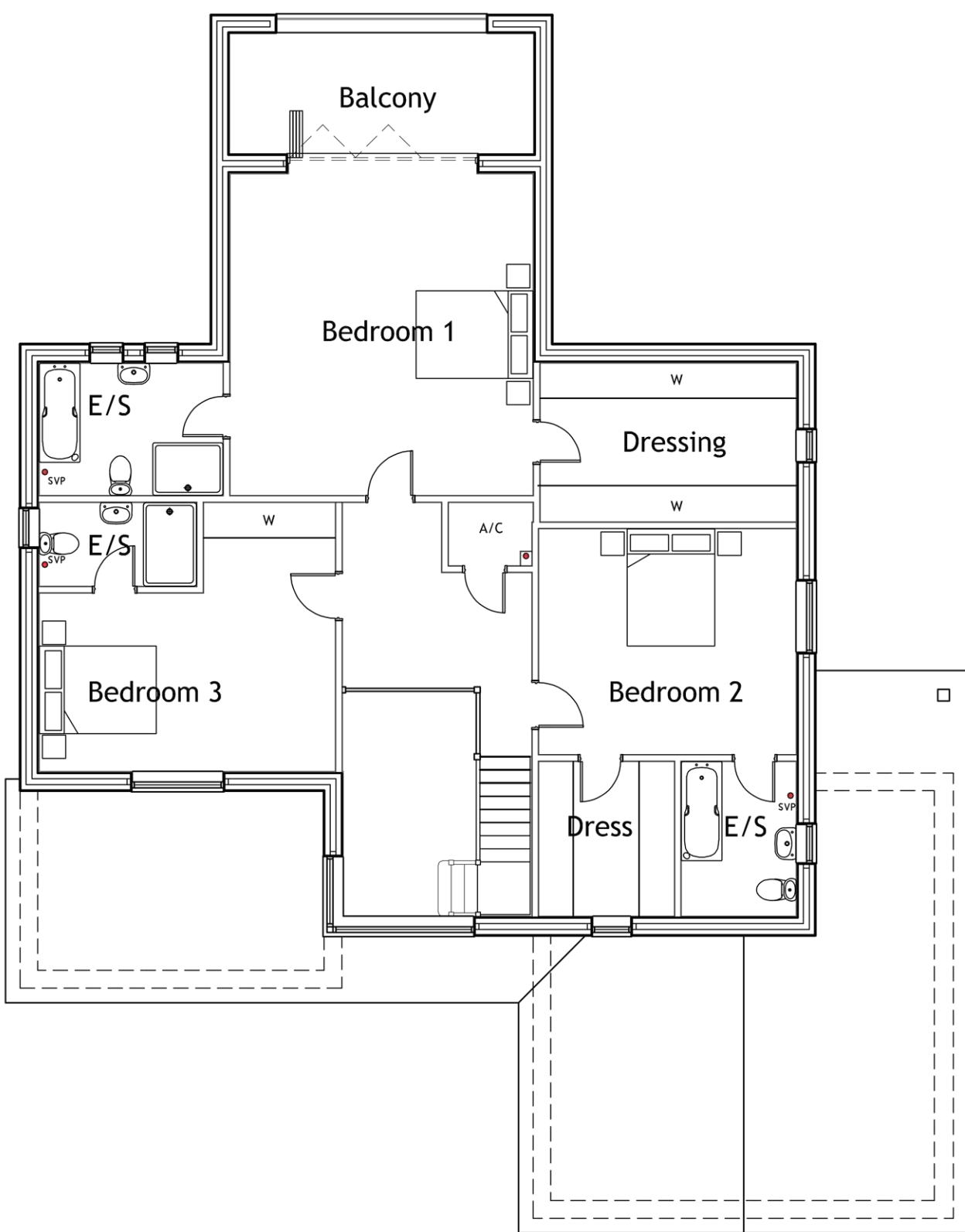
South Elevation (Front)



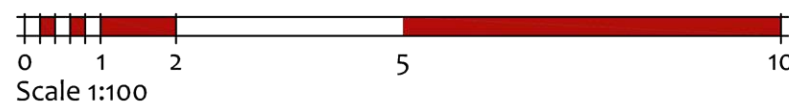
West Elevation (Side)



Ground Floor Plan



First Floor Plan



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TITLE
PROPOSED FLOOR PLANS & ELEVATIONS PLOT 2

DRAWING No.
062/063 P03

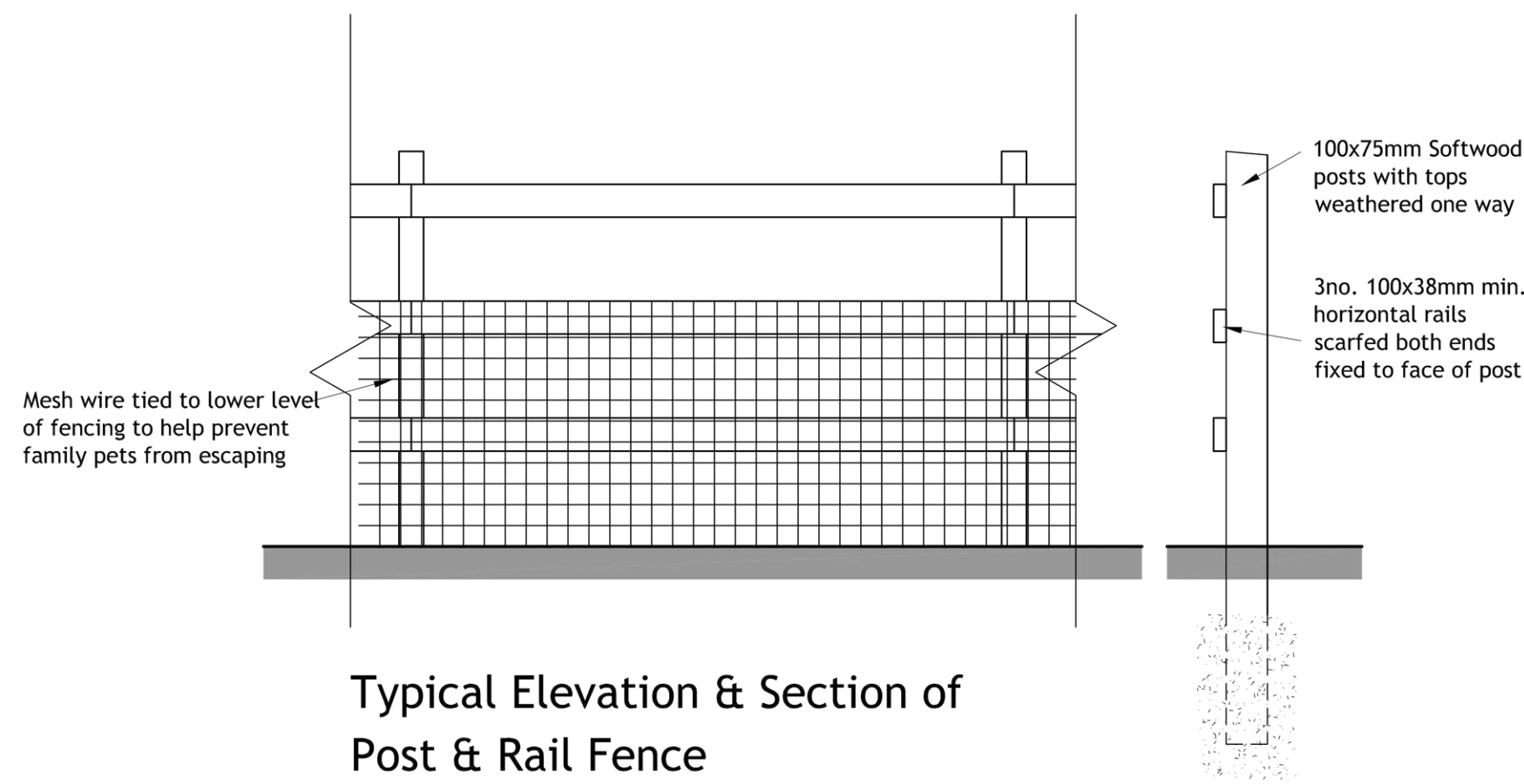
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DATE
MAY 2022

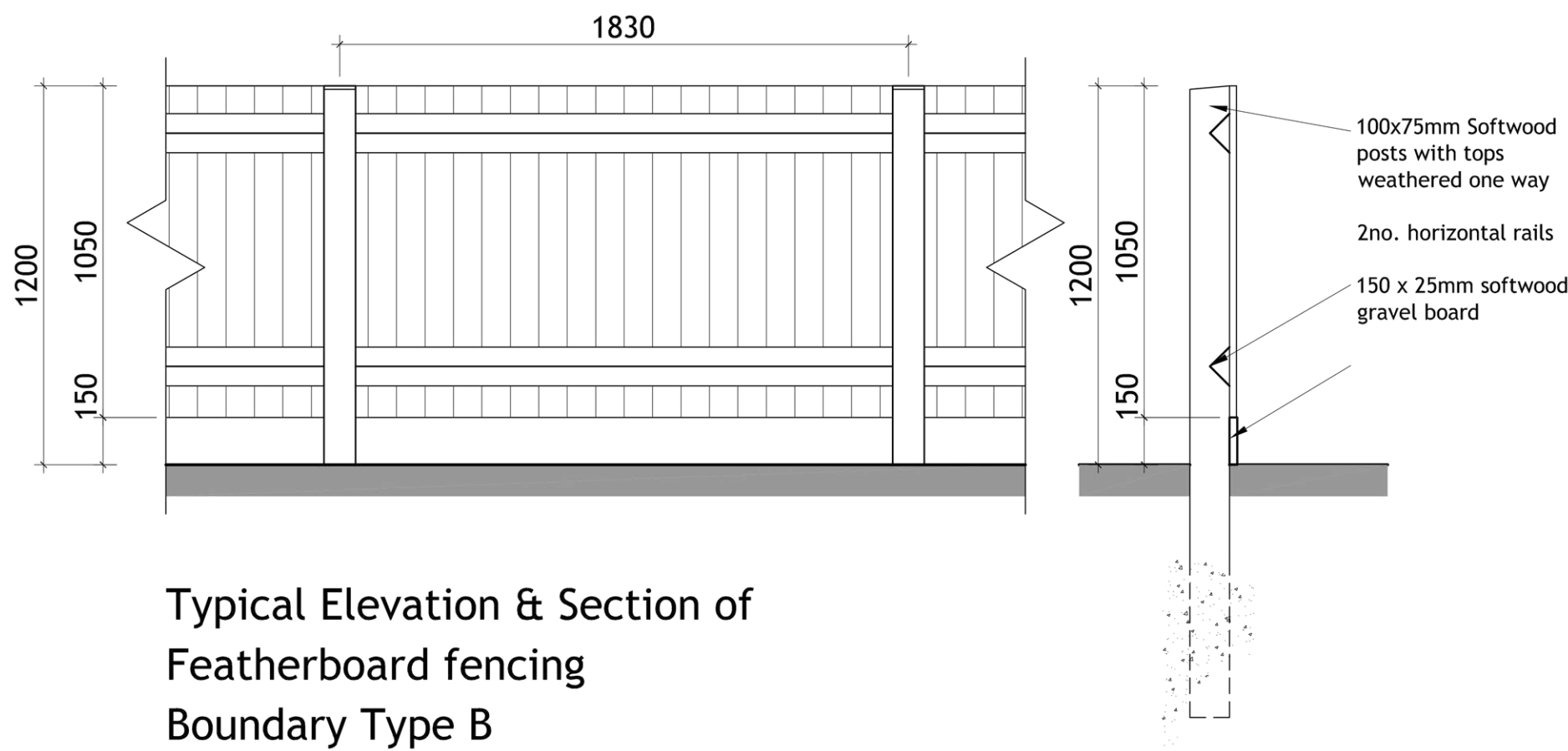
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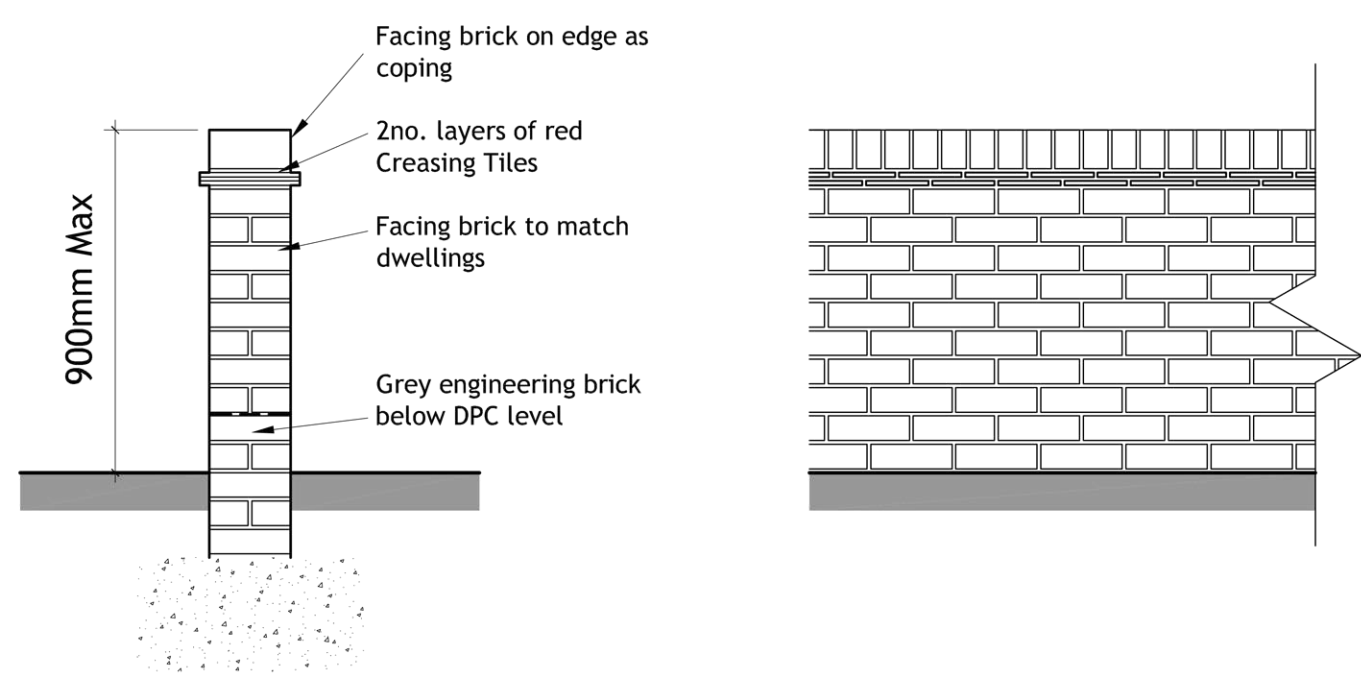
Plots 1 & 2 South Elevation to Station Road



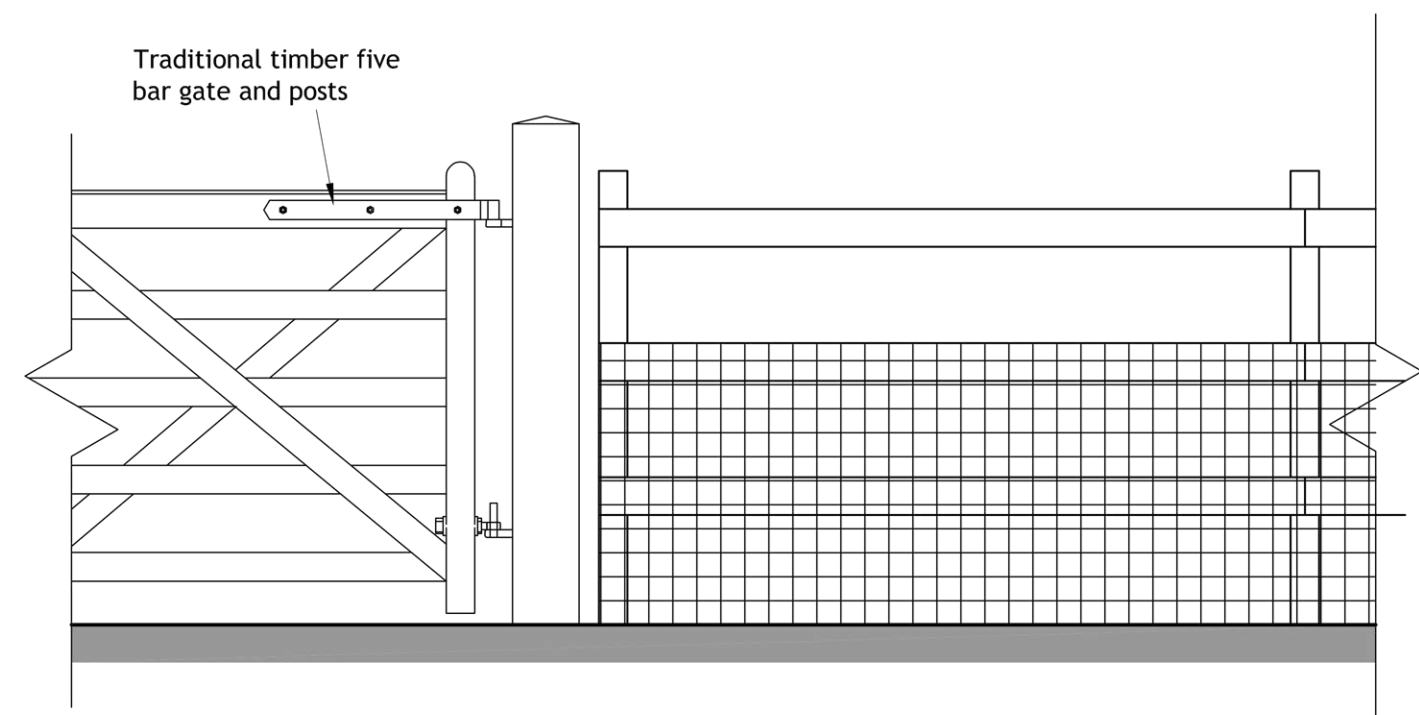
Typical Elevation & Section of
Post & Rail Fence
Boundary Type A 1.2m High
Scale 1:20



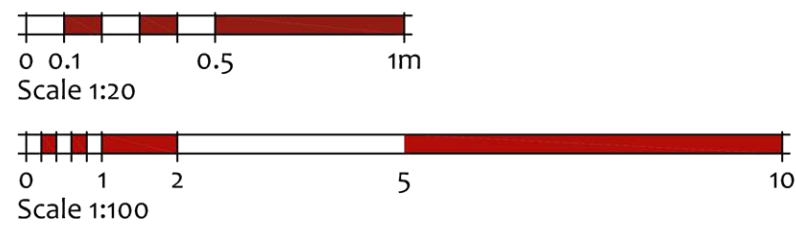
Typical Elevation & Section of
Featherboard fencing
Boundary Type B



Typical Elevation & Section of
Brick Garden Wall
Boundary Type C 0.9m High
Scale 1:20



Part Elevation of 4m wide Five Bar Gate &
Post & Rail Fence
Scale 1:20



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TITLE
PROPOSED BOUNDARY TREATMENTS &
INDICATIVE STREET ELEVATION

DRAWING No.
062/063 P04

SCALE 1:200 & 1:100 @ A1	DATE MAY 2022	REV
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3.2 Site photographs

Photograph 1: Southern boundary of the Site; view from Station Road.



Photograph 2: View from southeast corner of the Site towards one of the outbuildings.



Photograph 3: View from central-eastern Site area; looking west toward the greenhouses.



Photograph 4: Derelict outbuildings on-Site .



Photograph 5: Northern outbuilding - derelict.



Photograph 6: Northern Site boundary.



Photograph 7: Site perimeter with boundary fencing .



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:

300737258_1_1

Customer Reference:

77712

National Grid Reference:

526030, 328760

Slice:

A

Site Area (Ha):

0.29

Search Buffer (m):

1000

Site Details:

Land adj 110 Station Road

Surfleet

Spalding

PE11 4DB

Client Details:

Ms J Bayliff

Geo Smart Information Limited

Suite 9-11, 1st Floor

Old Bank Buildings

Bellstone

Shrewsbury

Shropshire

SY1 1HU

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	30
Hazardous Substances	-
Geological	31
Industrial Land Use	32
Sensitive Land Use	33
Data Currency	34
Data Suppliers	38
Useful Contacts	39

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1			Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	6	12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		2	3	1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				3 (*33)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 16		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 16		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16		4	23	90

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 30	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
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 31	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				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 31	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 31	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 31	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 31	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 32		1	2	4
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
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 33	1			
Ramsar Sites					
Sites of Special Scientific Interest	pg 33				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	496	1	526550 328650
1	Discharge Consents Operator: I M Coxen Property Type: Arable Farming Location: 81 Station Road Surfleet, Spalding, Lincs, Pe11 4db Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40116 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 4th July 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge: Onto Land Environment: Receiving Water: Groundwater Status: Deemed Groundwater Regulations Authorisation Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	126	2	526100 328600
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 2 Effective Date: 6th March 2019 Issued Date: 6th March 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	349	2	526310 328990
2	Discharge Consents Operator: Anglian Water Services Ltd Property Type: Not Given Location: Pinkthorn Estate Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/560 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th August 1971 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	349	2	526310 328990
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 1 Effective Date: 10th August 1971 Issued Date: 10th August 1971 Revocation Date: 5th March 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	349	2	526310 328990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Anglian Water Services Ltd Property Type: Not Given Location: SUNGATE Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/560 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th August 1971 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (W)	395	2	525630 328610
3	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 1 Effective Date: 10th August 1971 Issued Date: 10th August 1971 Revocation Date: 5th March 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	395	2	525630 328610
4	Discharge Consents Operator: Mr Lee Taylor Property Type: Domestic Property (Single) Location: Camelot Coalbeach Lane, Surfleet, Lincolnshire, Pe11 4bl Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Pmnf12062 Permit Version: 1 Effective Date: 30th April 1997 Issued Date: 30th April 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Fen Drain Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	446	2	526349 329100
5	Discharge Consents Operator: The Occupier Property Type: Not Supplied Location: 31 Station Road, Surfleet, Lincolnshire, Pe11 4da Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5264 Permit Version: 1 Effective Date: 8th January 1987 Issued Date: 8th January 1987 Revocation Date: 27th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Glen Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	562	2	525530 328440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Surfleet Water Recycling Centre Bendike Lane, Surfleet, Spalding, Lincolnshire, Pe11 4bw Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf549a Permit Version: 4 Effective Date: 17th December 2021 Issued Date: 17th December 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Latham Lode Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	660	2	525730 329410
7	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Surfleet Water Recycling Centre Bendike Lane, Surfleet, Spalding, Lincolnshire, Pe11 4bw Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf549a Permit Version: 3 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 16th December 2021 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Latham Lode Seasend Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	674	2	525680 329400
7	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Surfleet Water Recycling Centre Bendike Lane, Surfleet, Spalding, Lincolnshire, Pe11 4bw Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf549a Permit Version: 2 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Latham Lode Seasend Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	674	2	525680 329400
7	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Surfleet Water Recycling Centre Bendike Lane, Surfleet, Spalding, Lincolnshire, Pe11 4bw Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf549a Permit Version: 1 Effective Date: 16th February 1987 Issued Date: 16th February 1987 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Latham Lode Seasend Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	674	2	525680 329400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 2 Effective Date: 6th March 2019 Issued Date: 6th March 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	903	2	525190 328350
8	Discharge Consents Operator: Anglian Water Services Ltd Property Type: Not Given Location: Church Close Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/560 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th August 1971 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	903	2	525190 328350
8	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 1 Effective Date: 10th August 1971 Issued Date: 10th August 1971 Revocation Date: 5th March 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	903	2	525190 328350
9	Discharge Consents Operator: C.D. Willcox Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: Mermaid Inn At Surfleet, Lincs. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3013 Permit Version: 1 Effective Date: 22nd April 1966 Issued Date: 22nd April 1966 Revocation Date: 31st July 1997 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	970	2	525200 328200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 2 Effective Date: 6th March 2019 Issued Date: 6th March 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A15NW (E)	992	2	527050 328800
10	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Woods Lane, Surfleet, Spalding, Pe11 4an Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw5nf560 Permit Version: 1 Effective Date: 10th August 1971 Issued Date: 10th August 1971 Revocation Date: 5th March 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Fen Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A15NW (E)	992	2	527050 328800
11	Discharge Consents Operator: Mr Steven Rogers Property Type: Domestic Property (Single) Location: The Cottage White Cross Lane, Surfleet, Lincolnshire, Lincolnshire, Pe11 3ys Authority: Environment Agency, Anglian Region Catchment Area: East Glen River (Manthorpe) Reference: Npswqd011019 Permit Version: 1 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Glen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	998	2	525506 327858
	Nearest Surface Water Feature	A13NW (N)	14	-	526029 328814
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Glen Incident Date: 24th February 1992 Incident Reference: 1245 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	155	2	526200 328800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: River Glen Incident Date: 25th March 1994 Incident Reference: 1776 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	A13NE (E)	249	2	526300 328800
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Glen Incident Date: 29th April 1992 Incident Reference: 1310 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	A13SW (W)	305	2	525700 328700
15	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Local Dyke Incident Date: 22nd October 1997 Incident Reference: 2535 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	399	2	526100 329200
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Not Supplied Incident Date: 2nd November 1992 Incident Reference: 1438 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	471	2	525600 328500
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Local Dyke Incident Date: 6th December 1993 Incident Reference: 1702 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	965	2	525100 328400
	River Quality Name: Glen GQA Grade: River Quality C Reach: Surfleet...Blue Gowt Drain Estimated Distance (km): 3 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13SE (SE)	248	2	526241 328554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Water Abstractions Operator: Spalding Golf Club Licence Number: 5/31/14/*S/0249/L Permit Version: 1 Location: River Glen - Surfleet Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: 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: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	583	2	526640 328670
18	Water Abstractions Operator: Spalding Golf Club Licence Number: 5/31/14/*S/0249 Permit Version: 1 Location: River Glen - Surfleet Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: 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: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	583	2	526640 328670
19	Water Abstractions Operator: Spalding Golf Club Licence Number: 5/31/14/*S/0123 Permit Version: 100 Location: R Glen At Surfleet Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct 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 March Authorised End: 31 October Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	640	2	526700 328700
	Water Abstractions Operator: Mr J R Rowbottom Licence Number: 5/31/14/*s/112 Permit Version: Not Supplied Location: River Glen At, SURFLEET Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 0 Yearly Rate (m3): 9090 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1040	2	527100 328700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr A Battley Licence Number: 5/31/14/*s/031 Permit Version: Not Supplied Location: River Glen At, SURFLEET Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 0 Yearly Rate (m3): 5850 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SE (SW)	1247	2	525001 328001
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Blue Gowt Drain B , PINCHBECK Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 54 Yearly Rate (m3): 8000000 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	A10NW (SE)	1257	2	527200 328200
	Water Abstractions Operator: A. G. Stocker Ltd Licence Number: 5/31/14/*s/016a Permit Version: Not Supplied Location: Blue Gowt Drain, SURFLEET Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 25 Yearly Rate (m3): 1091000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1435	2	527480 328520
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point P Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1464	2	524609 329238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point P Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1464	2	524609 329238
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 101 Location: Farm Drains-Gosberton-Point P Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th September 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1464	2	524609 329238
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point Q Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (NW)	1541	2	524594 329420
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point Q Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (NW)	1541	2	524594 329420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 101 Location: Farm Drains-Gosberton-Point Q Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th September 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (NW)	1541	2	524594 329420
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Vernatts Drain 1A Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 54 Yearly Rate (m3): 8000000 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	A3SE (S)	1620	2	526200 327095
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*s/169 Permit Version: Not Supplied Location: Farm Drains , PINCHBECK Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 100 Yearly Rate (m3): 6000000 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	A1SE (SW)	1663	2	525001 327401
	Water Abstractions Operator: Mr B H Daniels Licence Number: 5/31/14/*s/036 Permit Version: Not Supplied Location: River Glen, PINCHBECK Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 3 Yearly Rate (m3): 613720 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	A6SW (SW)	1691	2	524600 327800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J. L. Garner Ltd Licence Number: 5/31/14/*s/070 Permit Version: Not Supplied Location: River Glen, Cheal House Farm, SURFLEET Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 1 Yearly Rate (m3): 354590 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	1694	2	524600 327795
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Vernatt's Drain, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 135 Yearly Rate (m3): 8000000 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	A10SE (SE)	1707	2	527600 327995
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Blue Gowt Drain A , PINCHBECK Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 5 Yearly Rate (m3): 364000 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	A10SE (SE)	1711	2	527605 327995
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point N Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1816	2	524188 328842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point N Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1816	2	524188 328842
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 101 Location: Farm Drains-Gosberton-Point N Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th September 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1816	2	524188 328842
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point O Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1826	2	524227 329206
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 102 Location: Farm Drains-Gosberton-Point O Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1826	2	524227 329206

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 101 Location: Farm Drains-Gosberton-Point O Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 28th September 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1826	2	524227 329206
	Water Abstractions Operator: B H Daniels Licence Number: 5/31/14/*S/0036 Permit Version: 100 Location: R Glen At Pinchbeck Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NW (SW)	1830	2	524500 327700
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Vernatt's Drain, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 8000000 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	A5SW (SE)	1832	2	527200 327295
	Water Abstractions Operator: Proctor Bros (Gosberton) Ltd Licence Number: 5/31/14/*S/0169 Permit Version: 100 Location: Newberry Drain, Gosberton Authority: Environment Agency, Anglian Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st January 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1838	2	524400 329700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: L.W Van Geest Licence Number: 5/31/14/*s/018 Permit Version: Not Supplied Location: Vernatts Drain, BRACEBY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 14 Yearly Rate (m3): 1091000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SE (SE)	1880	2	527000 327095
	Water Abstractions Operator: Lincolnshire Field Products Ltd Licence Number: 5/31/14/*S/0247 Permit Version: 1 Location: Vernatts Drain G - H Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 27th November 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1889	2	527010 327090
	Water Abstractions Operator: Lincolnshire Field Products Ltd Licence Number: 5/31/14/*S/0247 Permit Version: 1 Location: Vernatts Drain G - H Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 27th November 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1889	2	527010 327090
	Water Abstractions Operator: Lincolnshire Field Products Ltd Licence Number: 5/31/14/*S/0247 Permit Version: 1 Location: Vernatts Drain G - H Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 May Permit Start Date: 27th November 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SE (SE)	1889	2	527010 327090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: L W Van Geest (Farms) Ltd Licence Number: 5/31/14/*S/0018a Permit Version: 100 Location: Vernatts Drain 1a Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1962	2	527000 327000
	Water Abstractions Operator: L W Van Geest (Farms) Ltd Licence Number: 5/31/14/*S/0018a Permit Version: 100 Location: Vernatts Drain 1a Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1962	2	527000 327000
	Water Abstractions Operator: L W Van Geest (Farms) Ltd Licence Number: 5/31/14/*S/0018a Permit Version: 100 Location: Vernatts Drain 1a Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 May Permit Start Date: 1st October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1962	2	527000 327000
	Water Abstractions Operator: L.W. Van Geest (Farms) Ltd Licence Number: 5/31/14/*s/018a Permit Version: Not Supplied Location: Vernatt's Drain, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 8000000 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	(SE)	1966	2	527000 326995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Unproductive Aquifer (may have productive aquifer beneath) Classification: Combined Unproductive Vulnerability: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer Combined Aquifer: High Pollutant Speed: Well Connected Fractures Bedrock Flow: <300 mm/year Dilution: >70% Baseflow Index: >90% Superficial Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	A13SW (NE)	0	3	526026 328758
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (NE)	0	3	526026 328758
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (NE)	0	3	526026 328758
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	8	2	525980 328760
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	98	2	526145 328683
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	8	2	526045 328800
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	98	2	526145 328683
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 347.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (N)	15	4	526029 328815
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3094.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Glen Catchment Name: Welland Primacy: 1	A13SE (SE)	112	4	526159 328678
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 532.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (SE)	228	4	526167 328523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	240	4	525797 328622
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	312	4	525709 328900
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	316	4	526214 329053
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 618.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	319	4	525723 328952
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	320	4	526182 329081
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (W)	324	4	525689 328859
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	358	4	526156 329138
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	360	4	526169 329134
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	364	4	526184 329131

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	381	4	525623 328698
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	381	4	525623 328698
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (NW)	388	4	525654 328966
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	397	4	526304 329077
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 370.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	405	4	525607 328652
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	412	4	526193 329181
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	415	4	526290 329118
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	417	4	525607 328611
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	419	4	525606 328607

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 197.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	436	4	526361 329069
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	436	4	526121 329233
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 562.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (SE)	463	4	526469 328515
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	466	4	525567 328576
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.4 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (E)	491	4	526538 328849
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	500	4	525959 329309
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	509	4	525973 329319
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	512	4	526096 329317
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	516	4	526409 329138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	523	4	525937 329330
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 646.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NW (SE)	524	4	526458 328390
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 300.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	528	4	526215 329298
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	533	4	525649 329204
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NW (SE)	534	4	526466 328385
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	534	4	526116 329336
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	538	4	526151 329331
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	538	4	526157 329330
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	556	4	525926 329362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	556	4	525926 329362
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 268.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	567	4	525561 329159
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (NE)	570	4	526552 329020
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	571	4	525631 329239
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	580	4	526319 329302
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	581	4	525900 329382
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	582	4	526325 329301
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (E)	590	4	526626 328562
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (NW)	593	4	525453 329016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 301.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (NW)	597	4	525448 329016
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (NW)	606	4	525726 329347
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 552.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	620	4	525833 329406
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	639	4	525365 328683
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	639	4	525365 328683
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	648	4	526509 329225
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (SE)	648	4	526645 328453
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	648	4	525356 328685
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 397.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	650	4	525639 328189

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	651	4	526469 329273
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	651	4	526469 329273
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	658	4	526509 329240
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 340.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (NE)	667	4	526658 329028
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	672	4	526296 329419
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 529.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	692	4	526086 328016
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	692	4	526086 328016
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (E)	701	4	526700 329020
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	706	4	526559 329255

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	720	4	525583 329391
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	737	4	526754 328482
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	739	4	526553 329312
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	755	4	525526 329392
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	759	4	525519 329392
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	762	4	525473 329353
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	776	4	526267 327967
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	776	4	525463 329362
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	783	4	526245 327952

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	791	4	526257 327947
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	794	4	526814 328483
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 329.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	815	4	525222 329024
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	822	4	526747 328280
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	840	4	525620 327974
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 361.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	840	4	526768 328280
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	847	4	525396 329396
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	857	4	525363 329375
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	862	4	526826 329129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 224.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	862	4	525357 329374
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	868	4	526892 328481
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 690.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	869	4	526683 329360
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	871	4	526914 328904
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 590.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	872	4	526771 328226
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SW (NW)	891	4	525339 329399
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SW (NW)	891	4	525339 329399
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	893	4	526711 329363
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	904	4	525382 329463

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 740.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	904	4	525382 329463
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SW (NW)	905	4	525347 329428
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	905	4	526865 329146
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (S)	906	4	525686 327868
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NW (NW)	907	4	525351 329435
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	910	4	525175 328365
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	915	4	525112 328529
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	916	4	525360 329458
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19NW (NE)	919	4	526462 329611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	924	4	526794 329299
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 296.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	934	4	526200 327787
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	936	4	526751 329384
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 199.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	939	4	525390 328020
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	958	4	526984 328473
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	958	4	526925 329143
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 384.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	964	4	525761 327781
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	968	4	526224 327757
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	976	4	525041 328570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	977	4	525025 328790
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	978	4	526234 327749
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	978	4	525028 328843
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	987	4	525780 327752
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A11SE (W)	997	4	525003 328757
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 252.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	997	4	525023 328554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: South Holland District Council - Has no landfill data to supply		0	6	526026 328758
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	526026 328758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	A13SW (NE)	0	1	526026 328758
	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: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	526026 328758
	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	A13SW (NE)	0	1	526026 328758
	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	A13SW (NE)	0	1	526026 328758

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Contemporary Trade Directory Entries Name: Bee Kleen Location: 82, Station Road, Surfleet, Spalding, PE11 4DB Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	226	-	525848 328575
138	Contemporary Trade Directory Entries Name: Spalding Domestic Location: 152, Station Road, Spalding, PE11 4DG Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	330	-	526373 328839
139	Contemporary Trade Directory Entries Name: Graphix Design & Print Location: Tudor Gables, Thary Lane, Surfleet, Spalding, Lincolnshire, PE11 4BN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	358	-	526190 329121
140	Contemporary Trade Directory Entries Name: S J T Location: 44 Station Rd, Surfleet, Spalding, Lincolnshire, PE11 4DA Classification: Motor Cycle & Component Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	632	-	525430 328476
141	Contemporary Trade Directory Entries Name: K J Williams Location: 47, Seas End Road, Surfleet, SPALDING, Lincolnshire, PE11 4DQ Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	906	-	526965 328663
142	Contemporary Trade Directory Entries Name: S R Wright Location: Park La, Surfleet, Spalding, Lincolnshire, PE11 4AF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	928	-	525368 328058
143	Contemporary Trade Directory Entries Name: G & J Peck Ltd Location: 3, Gosberton Road, Surfleet, Spalding, Lincolnshire, PE11 4AD Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	981	-	525083 328400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Nitrate Vulnerable Zones Name: Glen Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (NE)	0	3	526026 328758
145	Sites of Special Scientific Interest Name: Surfleet Lows Multiple Areas: N Total Area (m2): 34849.39 Source: Natural England Reference: 1000524 Designation Details: Local Wildlife Site Designation Date: 1st February 1986 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st February 1986 Date Type: Notified	A12SW (W)	779	7	525231 328625

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Boston Borough Council - Pollutions Section, Environmental Health South Holland District Council - Environmental Services	June 2020 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	July 22	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	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control Boston Borough Council - Pollutions Section, Environmental Health South Holland District Council - Environmental Services	December 2014 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls Boston Borough Council - Pollutions Section, Environmental Health South Holland District Council - Environmental Services	December 2014 October 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Boston Borough Council - Pollutions Section, Environmental Health South Holland District Council - Environmental Services	December 2014 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	June 2022	
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	June 2016	As notified
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 - Northern Area	July 2022	Quarterly
Water Abstractions Environment Agency - Anglian Region	July 2022	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	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	April 2022	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 - Northern Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	April 2022	Quarterly
Local Authority Landfill Coverage Boston Borough Council - Pollutions Section, Environmental Health Lincolnshire County Council South Holland District Council - Environmental Services	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Boston Borough Council - Pollutions Section, Environmental Health Lincolnshire County Council South Holland District Council - Environmental Services	October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department Boston Borough Council - Planning Department South Holland District Council	August 2010 February 2016 January 2016	Variable Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department Boston Borough Council - Planning Department South Holland District Council	August 2007 February 2016 January 2016	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	May 2022	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	March 2014	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	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

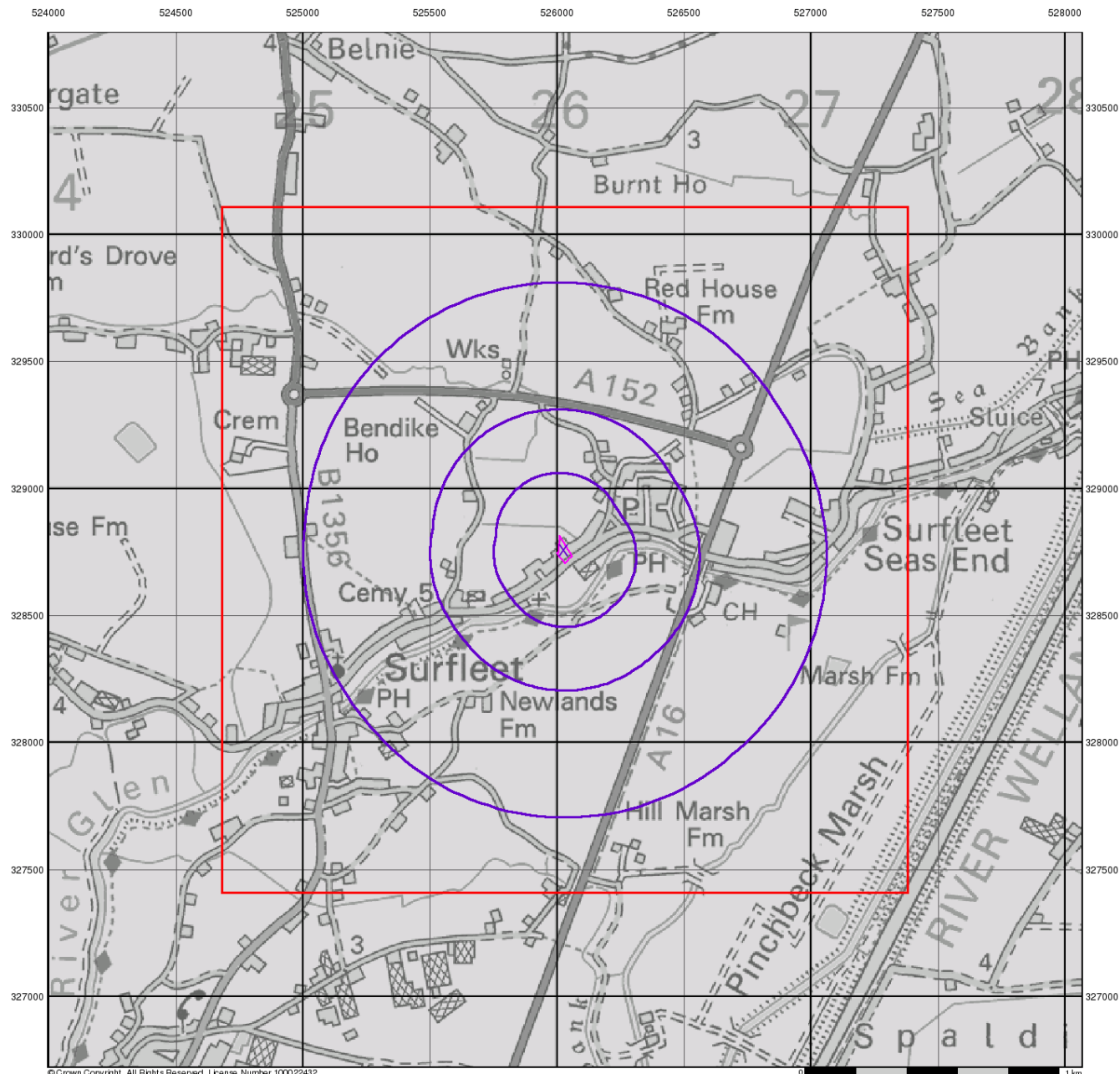
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Boston Borough Council - Planning Department South Holland District Council	July 2022 July 2022	Quarterly Quarterly
Areas of Unadopted Green Belt Boston Borough Council - Planning Department South Holland District Council	July 2022 July 2022	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
6	South Holland District Council - Environmental Services Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.gov.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

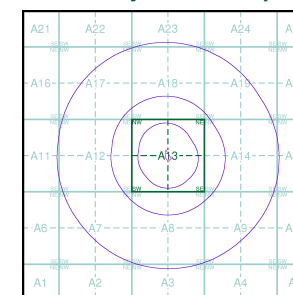
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A

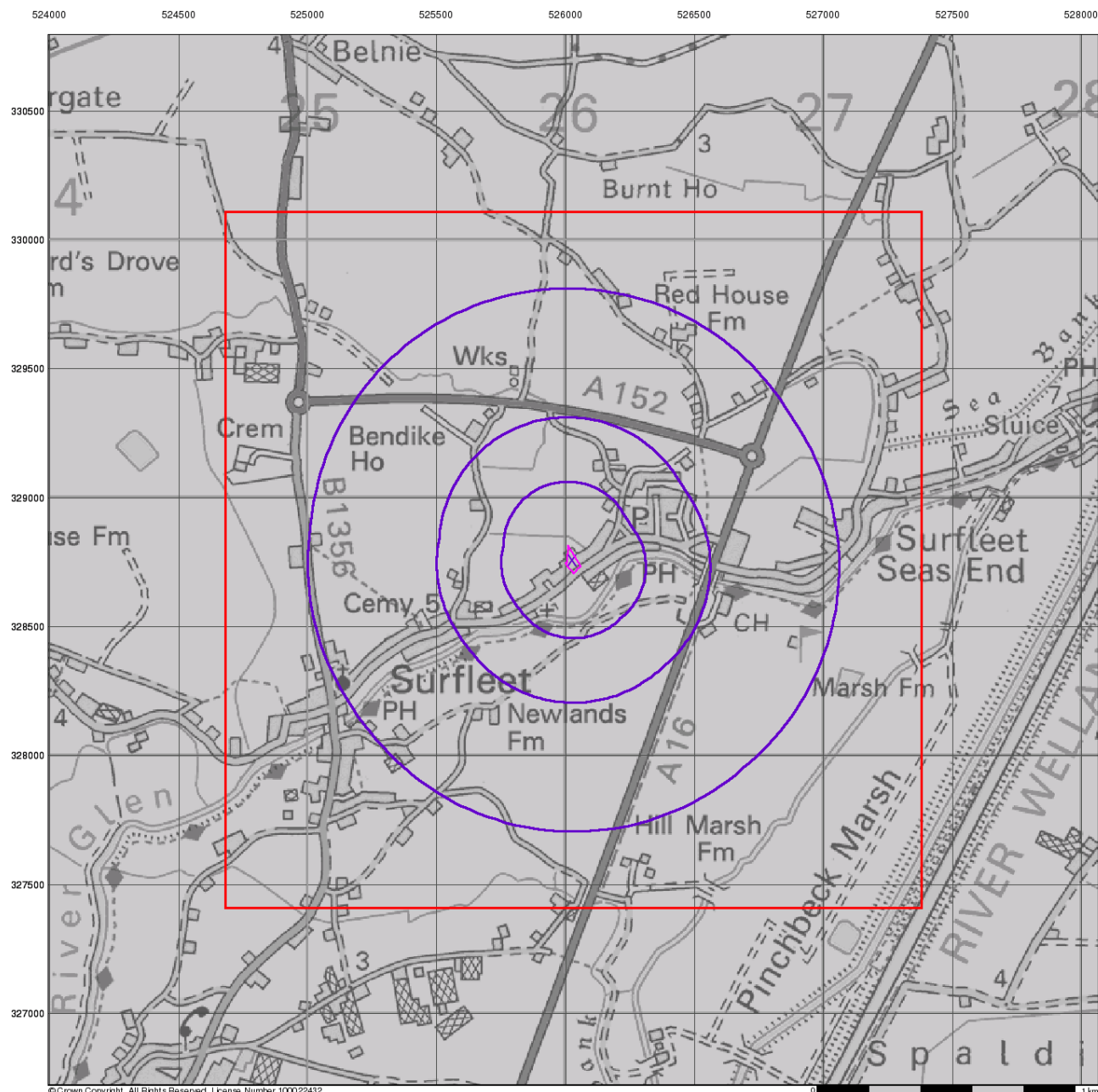


Order Details

Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



Bedrock Aquifer Designation

General

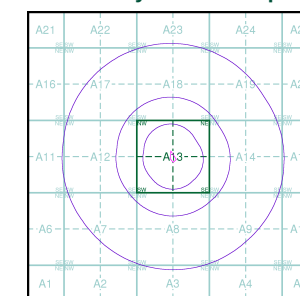
- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

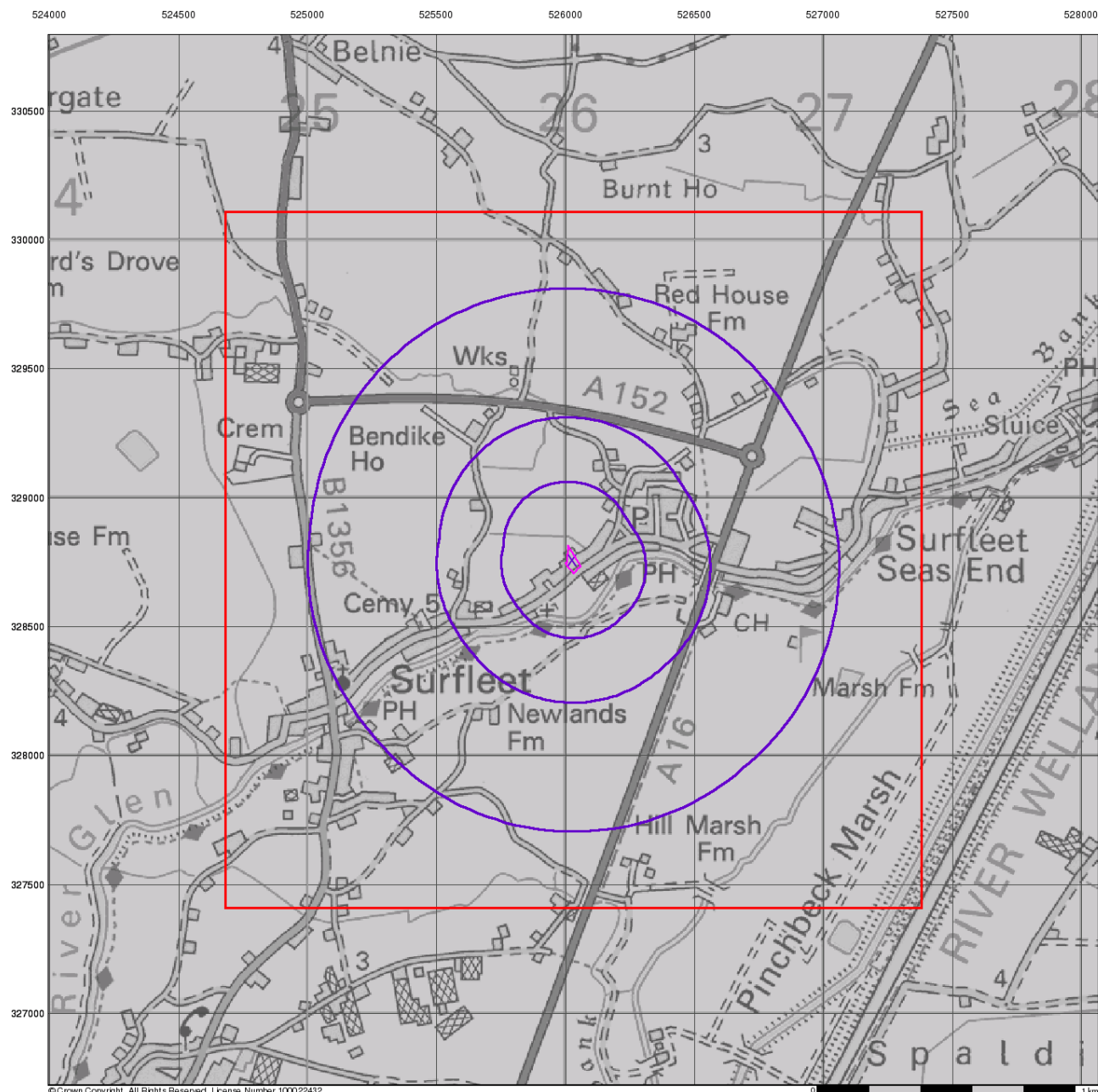


Order Details

Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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Superficial Aquifer Designation

General

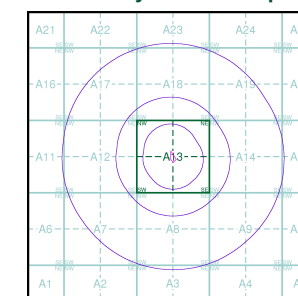
- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

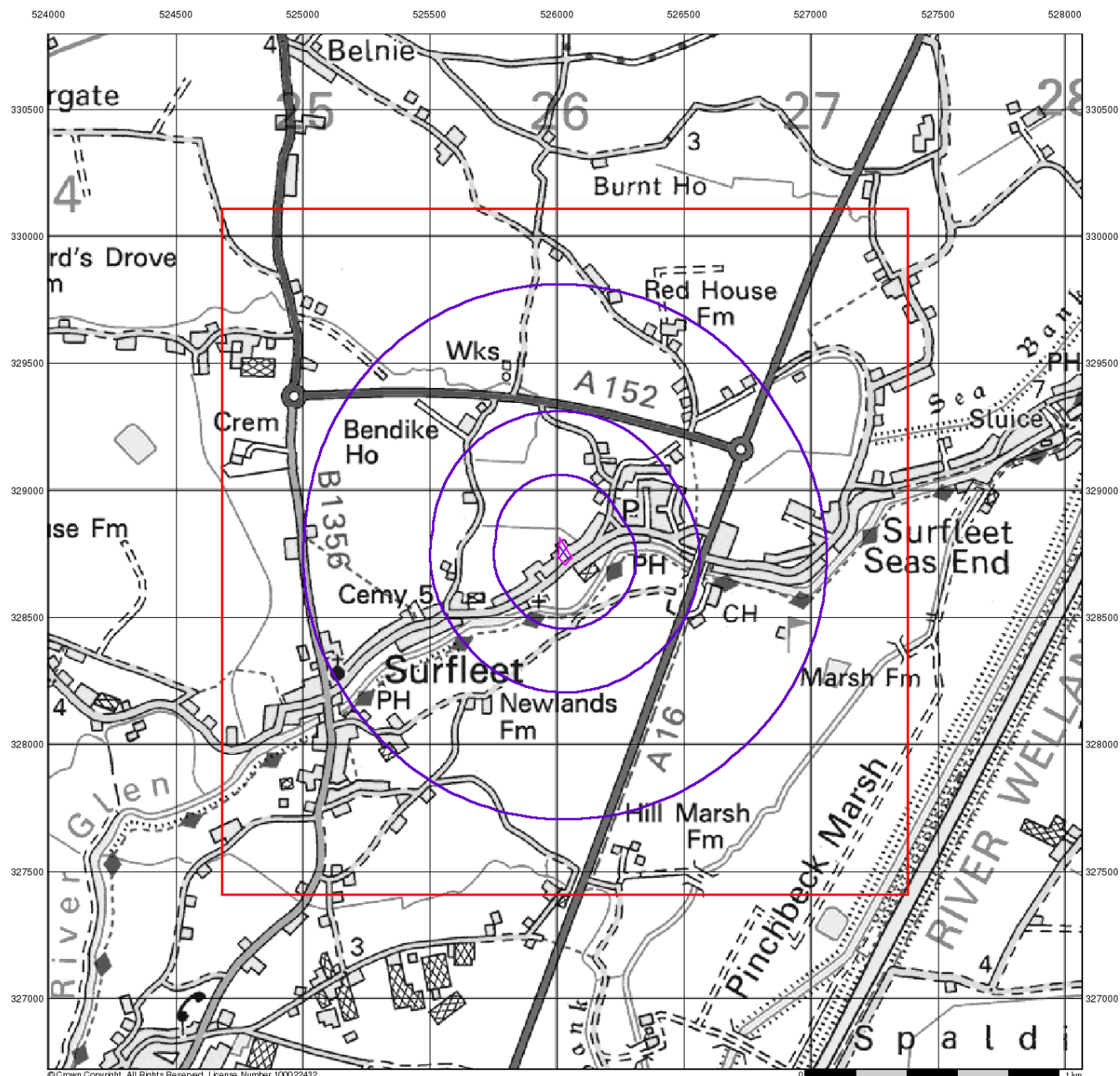
Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

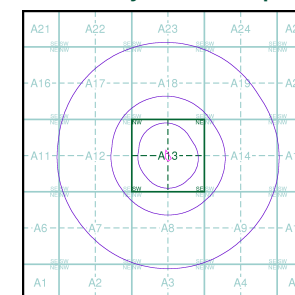
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A

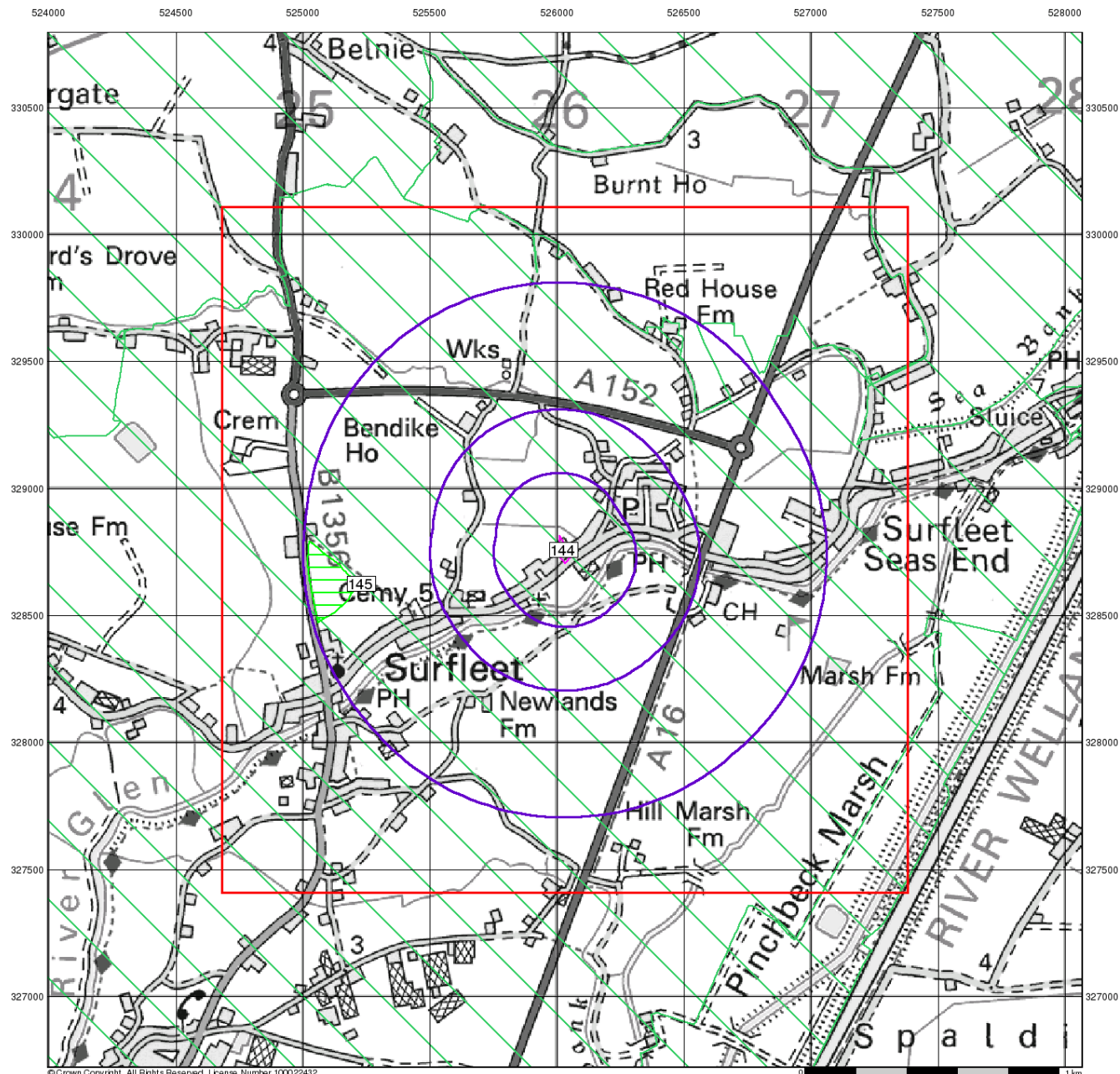


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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Sensitive Land Uses

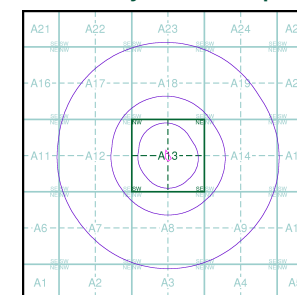
General

- 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
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A

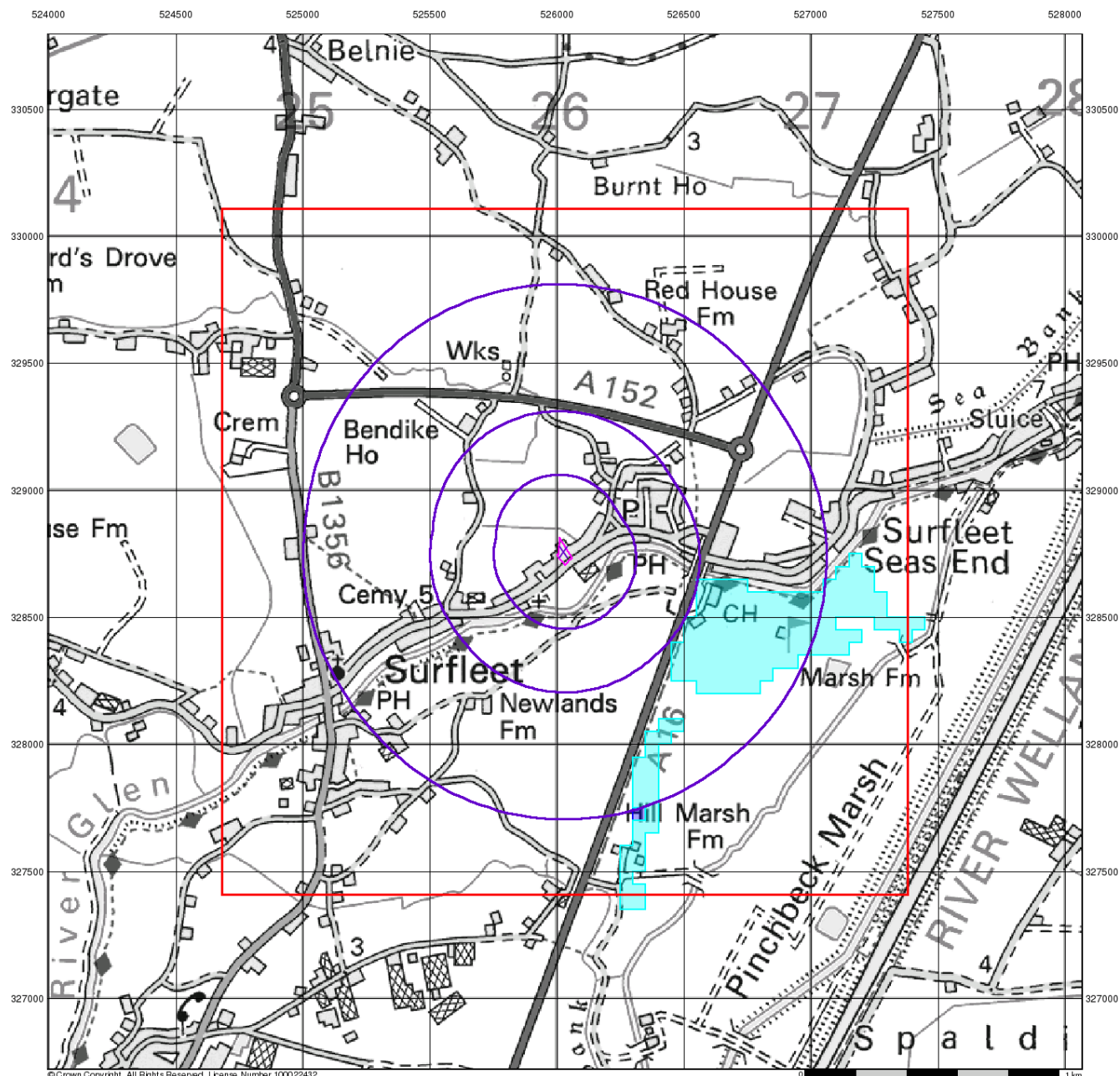


Order Details

Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



BGS Flood GFS Data

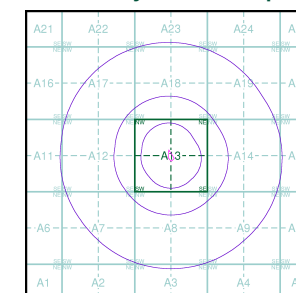
General

- 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: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB

General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

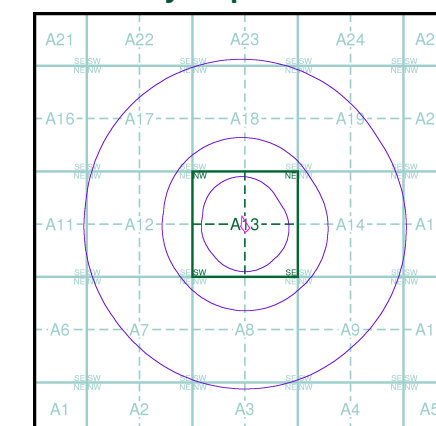
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

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

Site Sensitivity Map - Slice A

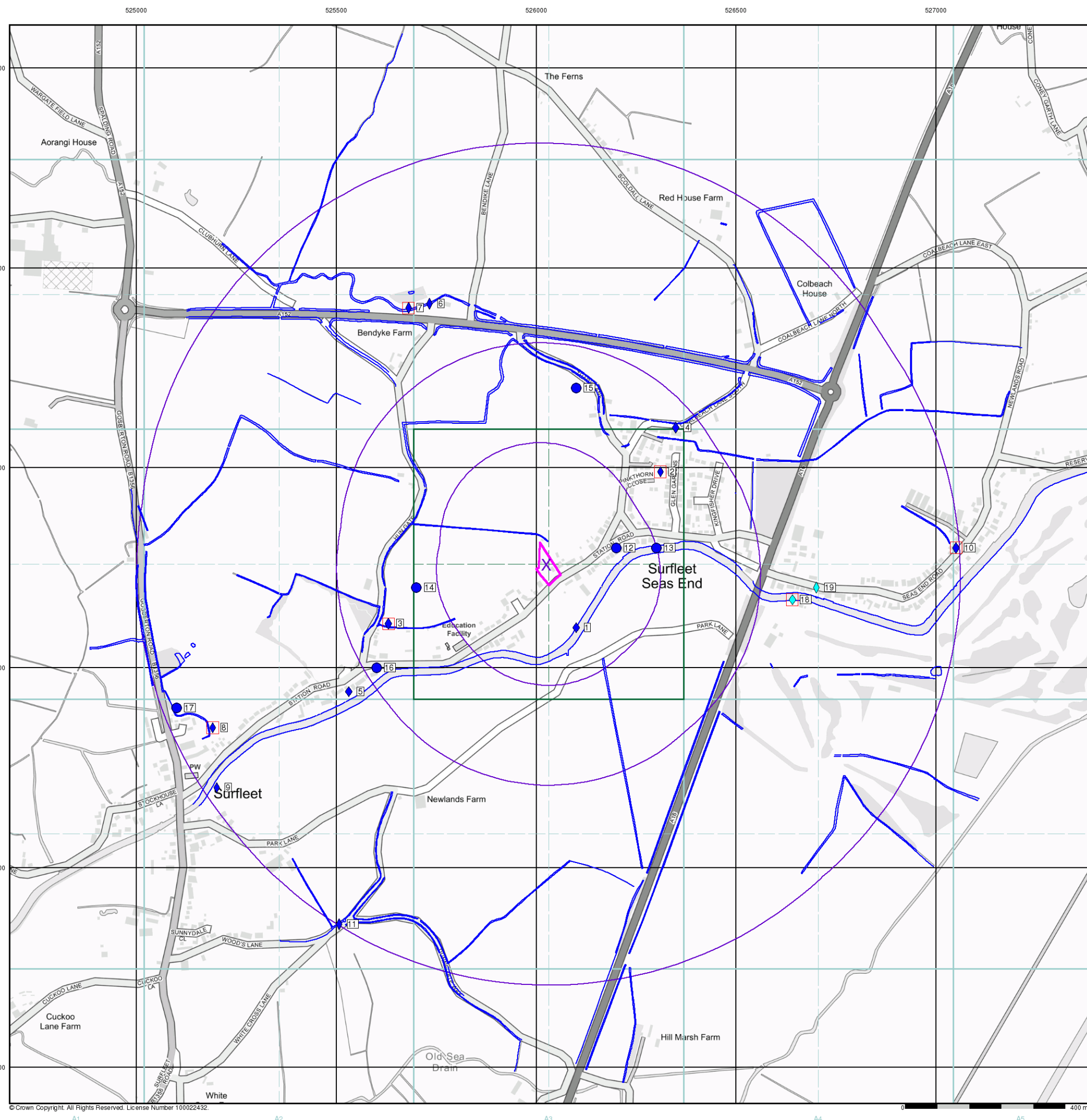


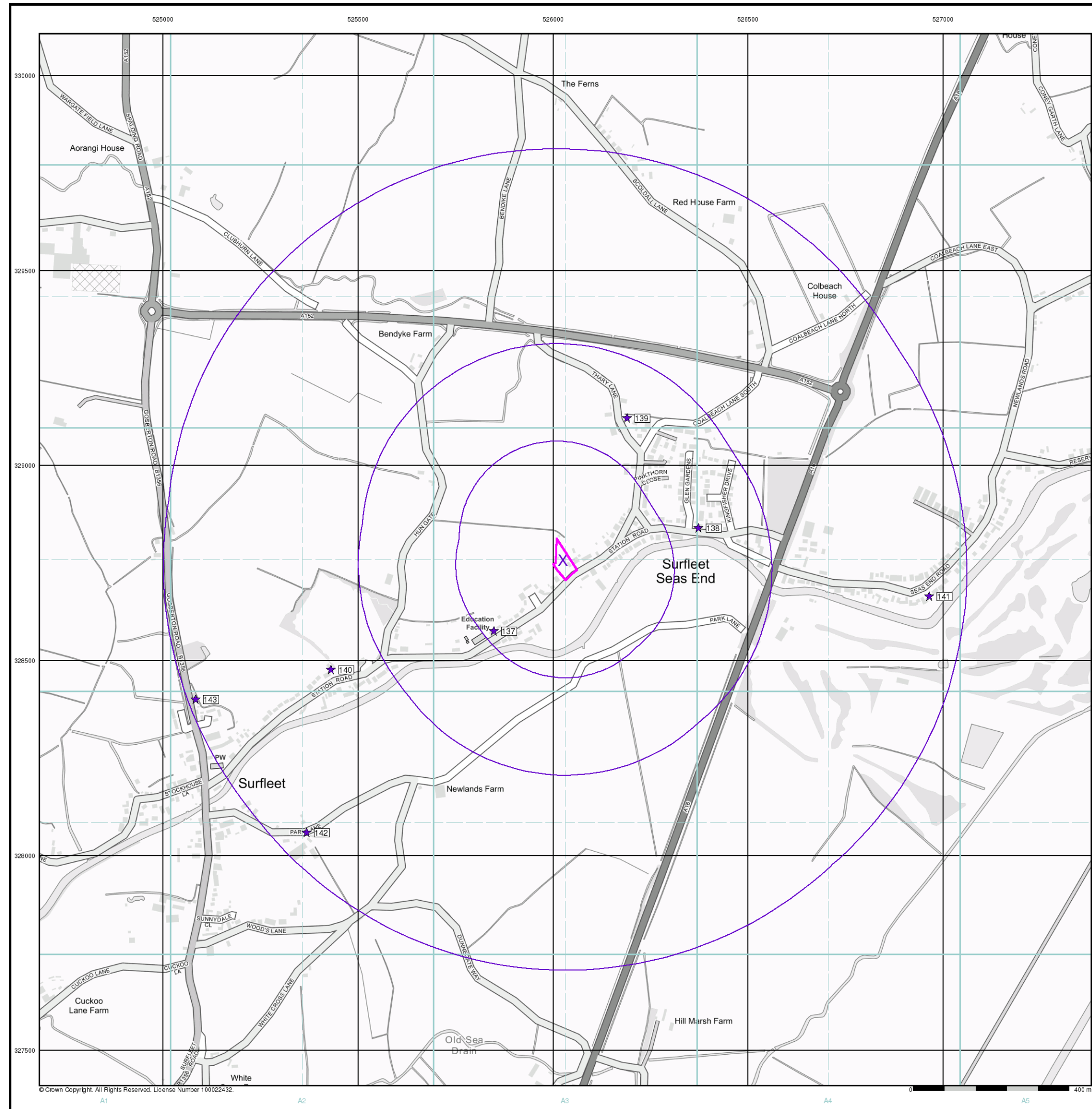
Order Details

Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

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Industrial Land Use Map

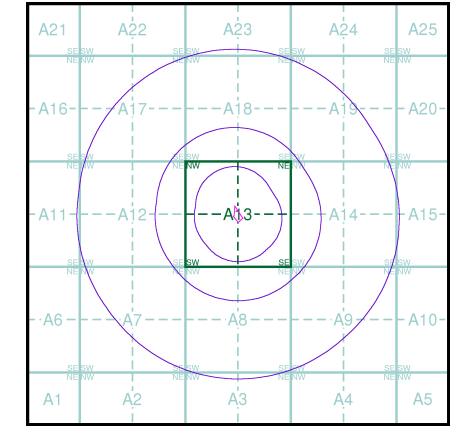
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A

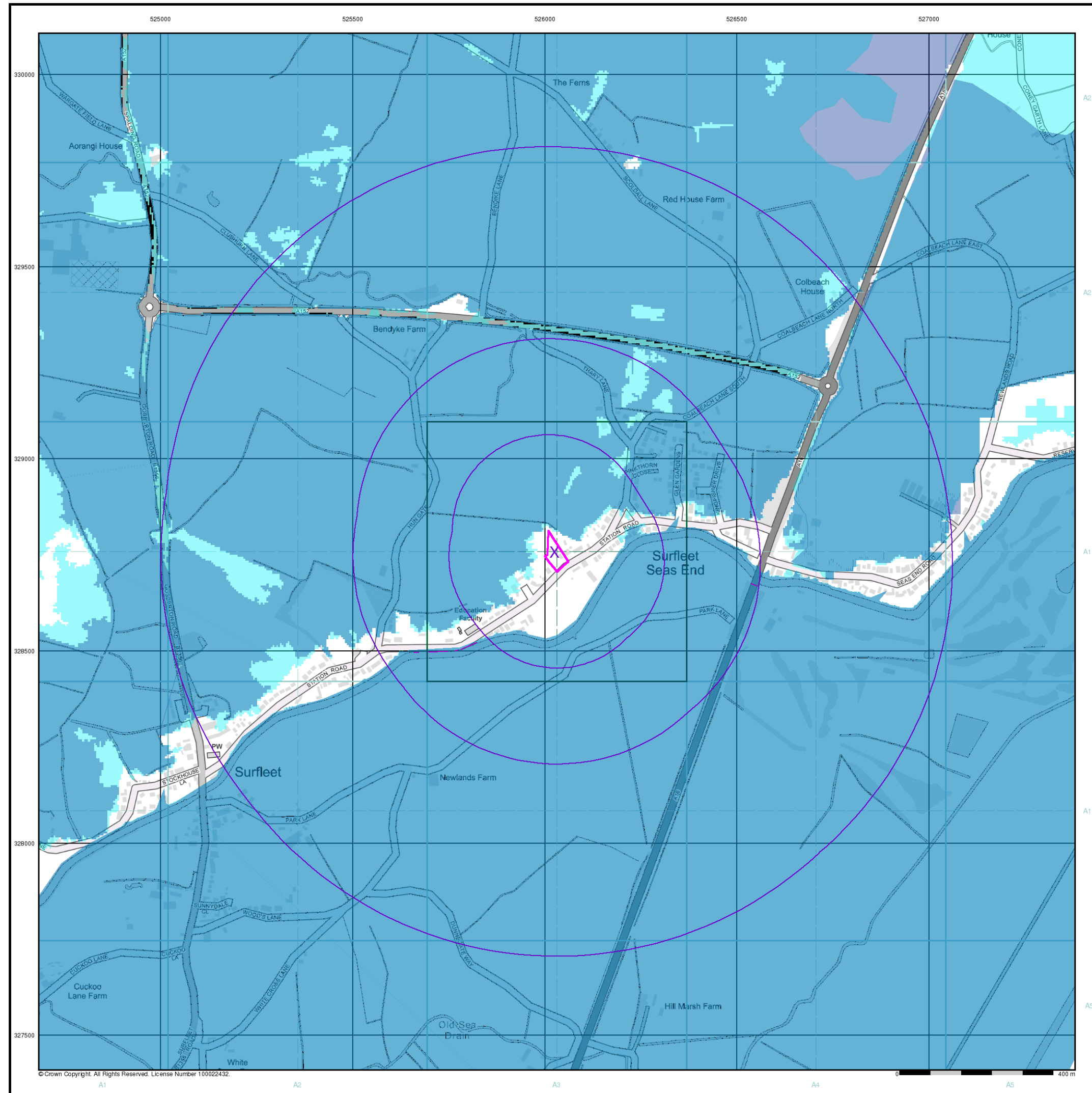


Order Details

Order Number: 300737258_1_1
 Customer Ref: 77712
 National Grid Reference: 526030, 328760
 Slice: A
 Site Area (Ha): 0.29
 Search Buffer (m): 1000

Site Details

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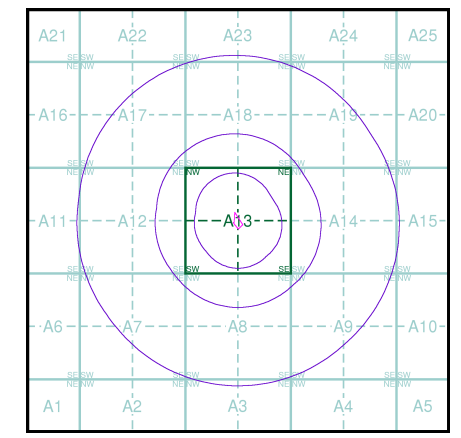
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

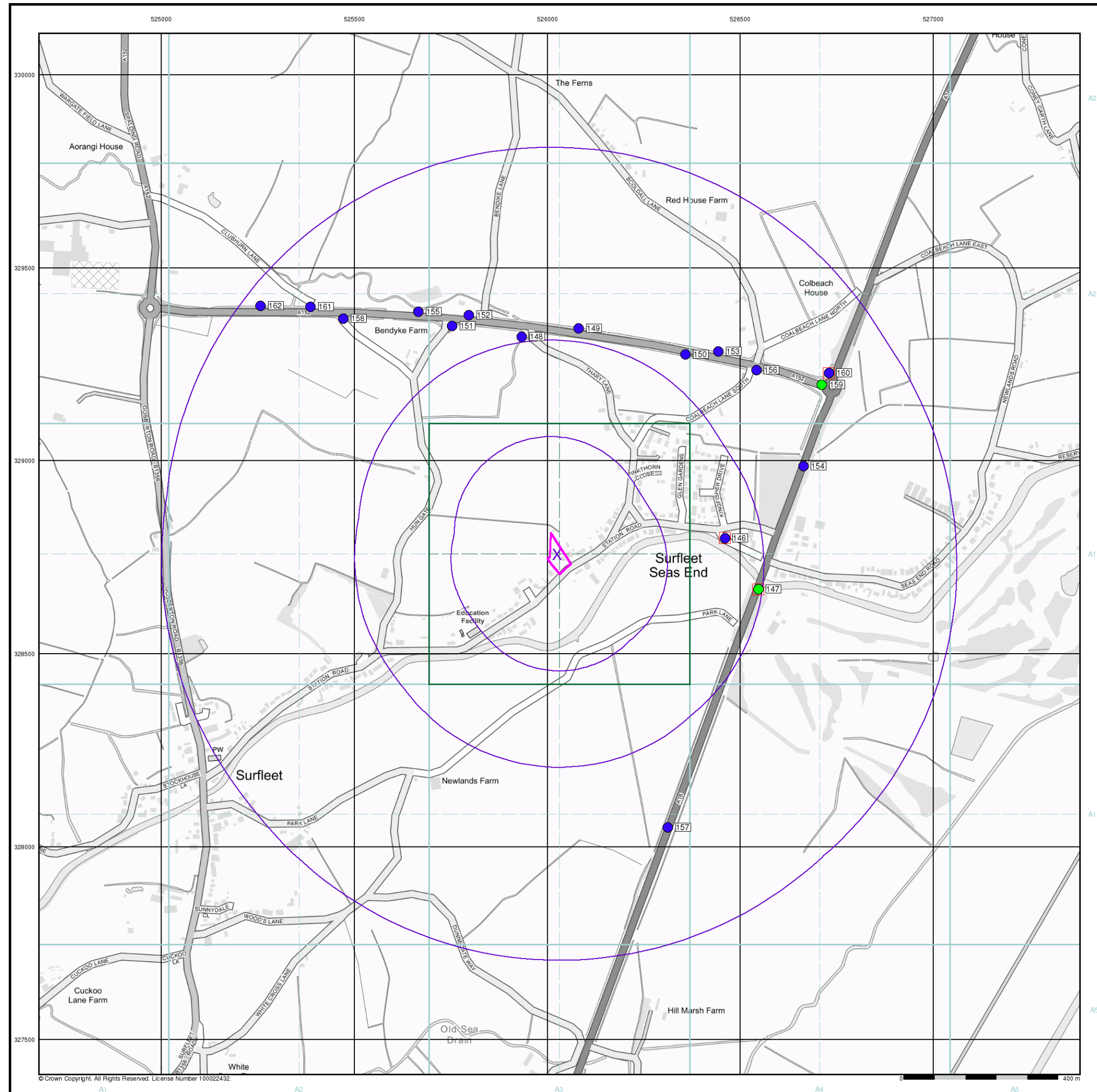
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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General

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

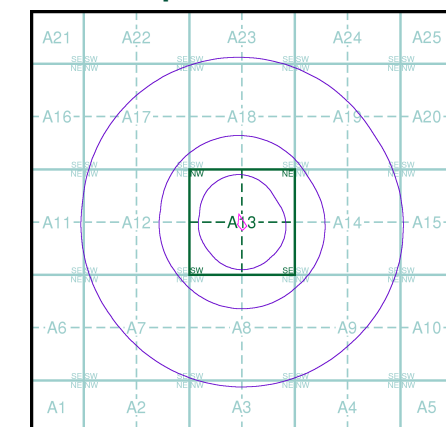
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

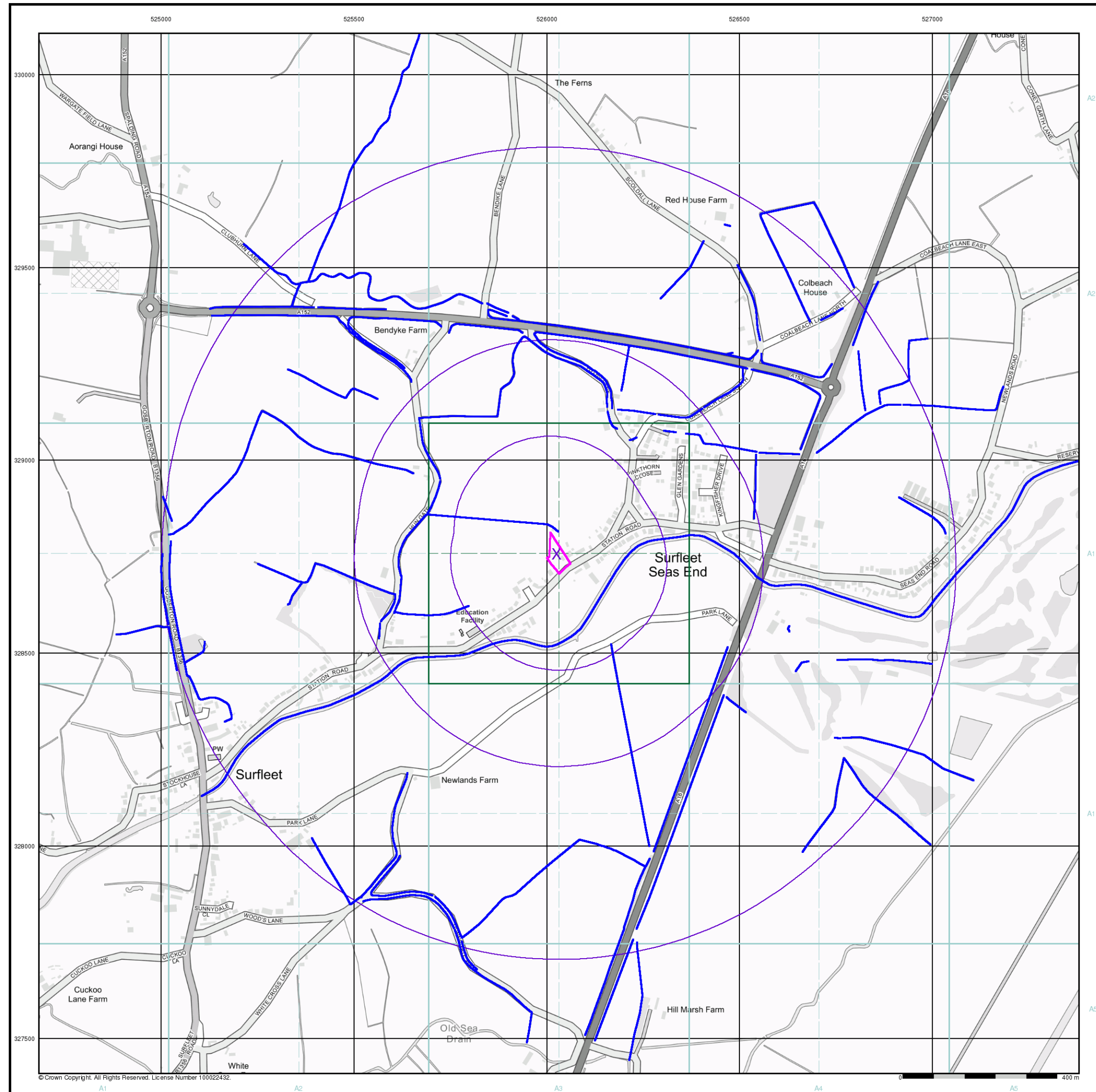
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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



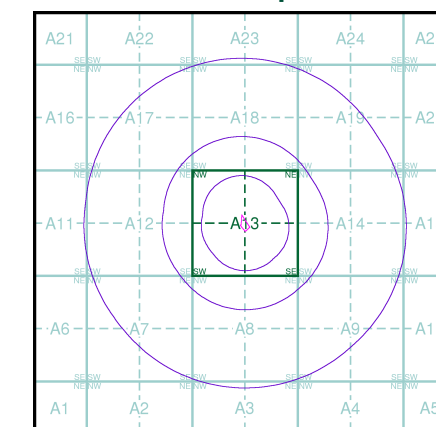
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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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 reparable 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

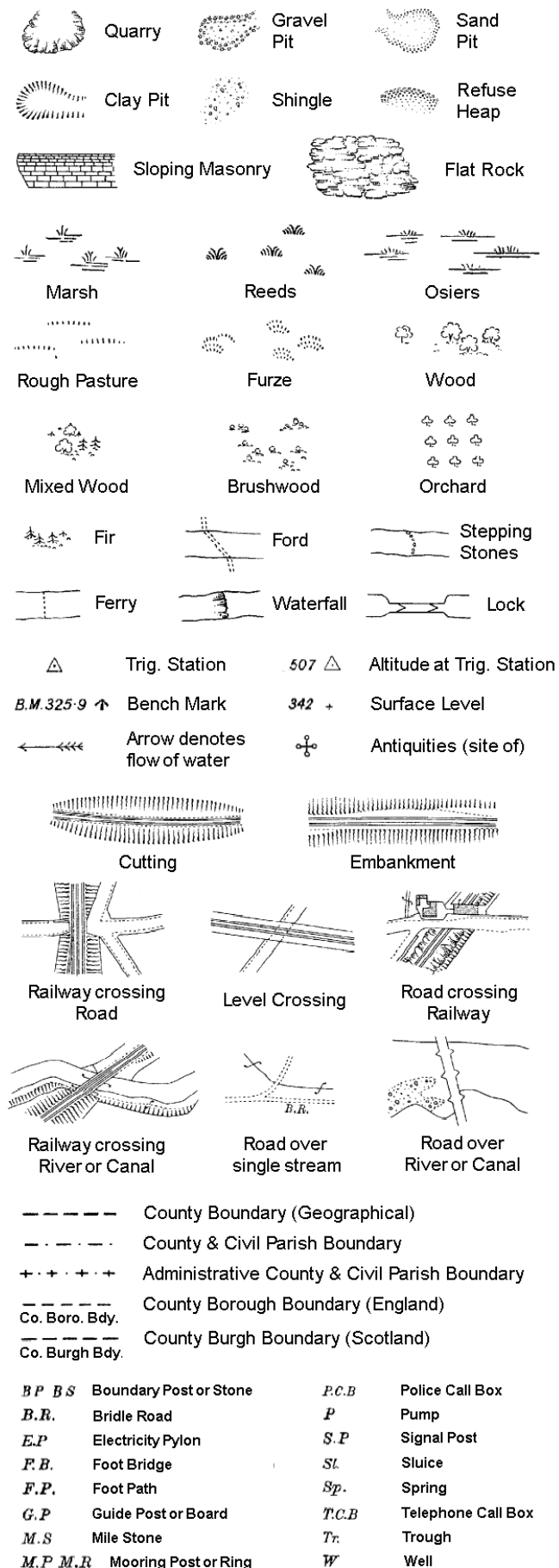
Very High	High	Moderate	Moderate/Low	Low	Very Low
There is a high probability that severe harm could arise to a designated receptor from an identified hazard without appropriate remediation action	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate 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

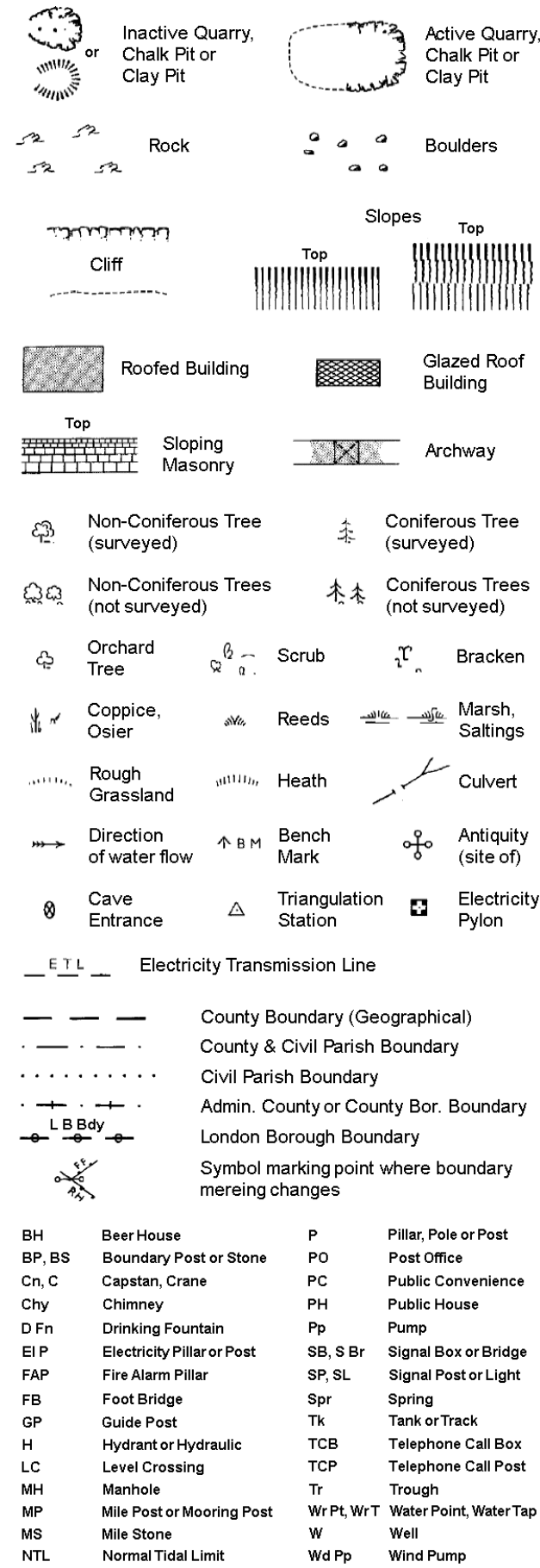
Historical Ordnance Survey maps relating to the site and its surrounding area have been provided by Landmark.

Historical Mapping Legends

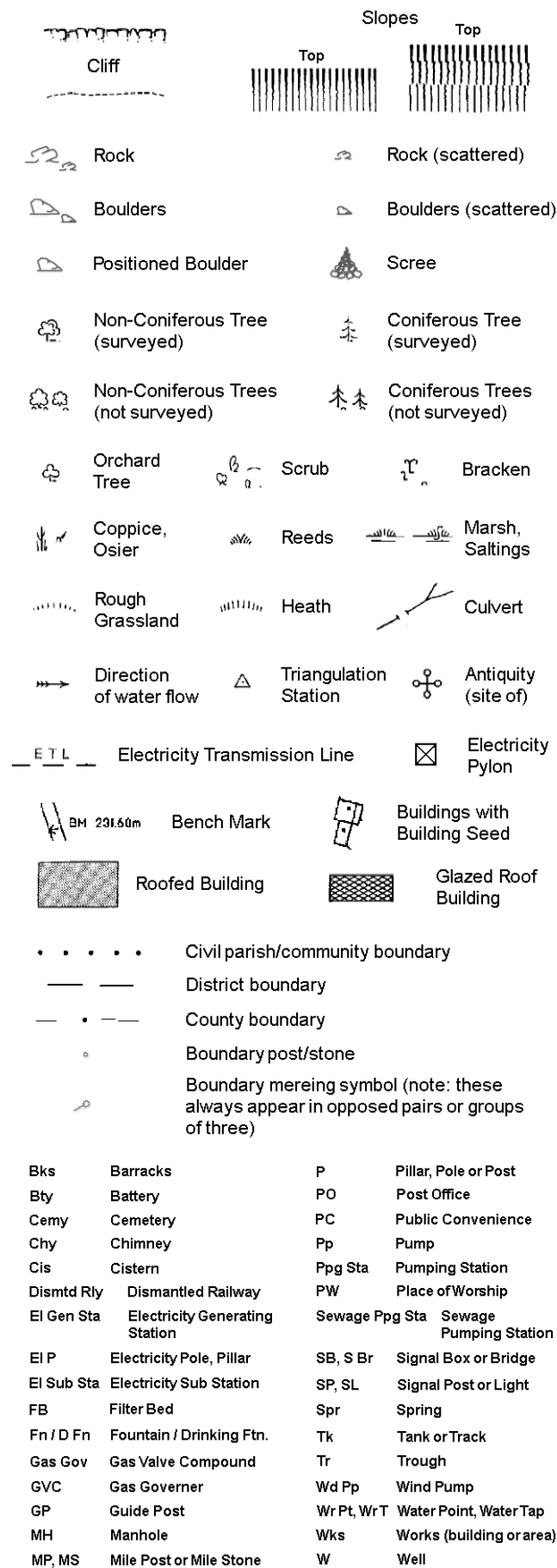
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



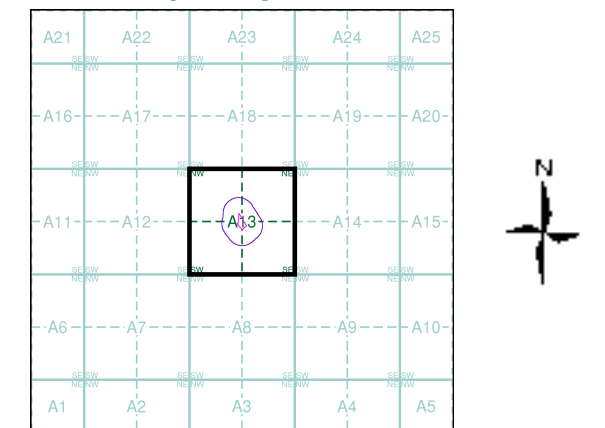
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1904	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1985 - 1987	5
Large-Scale National Grid Data	1:2,500	1995	6
Large-Scale National Grid Data	1:2,500	1996	7

Historical Map - Segment A13

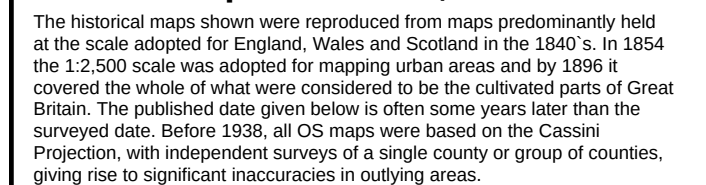


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



134_02
1888
1:2,500

The figure shows a 5x5 grid of nodes labeled A1 through A25. The nodes are arranged in a regular grid. A 2x2 square region is highlighted with a thick black border, centered on node A13. Node A13 is also circled with a purple circle. The grid is labeled with 'SE' and 'NW' directions on the edges.

Order Number: 300737258_1_1
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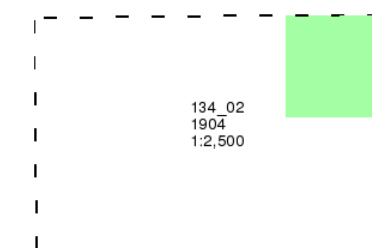
Lincolnshire

Published 1904

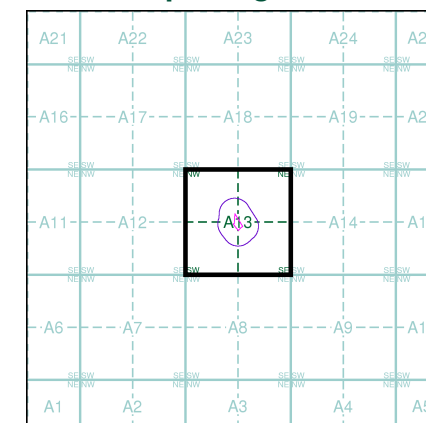
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

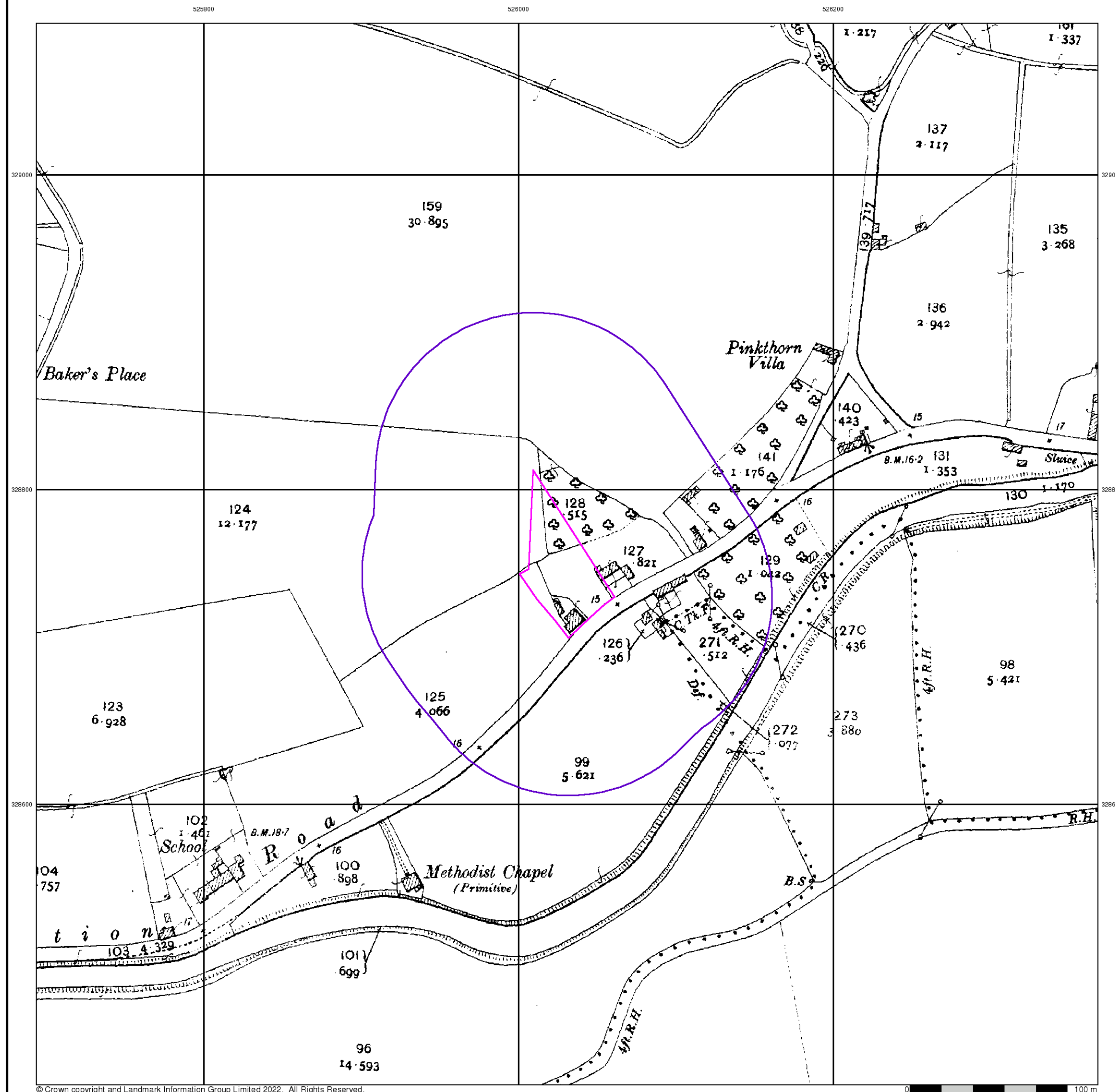


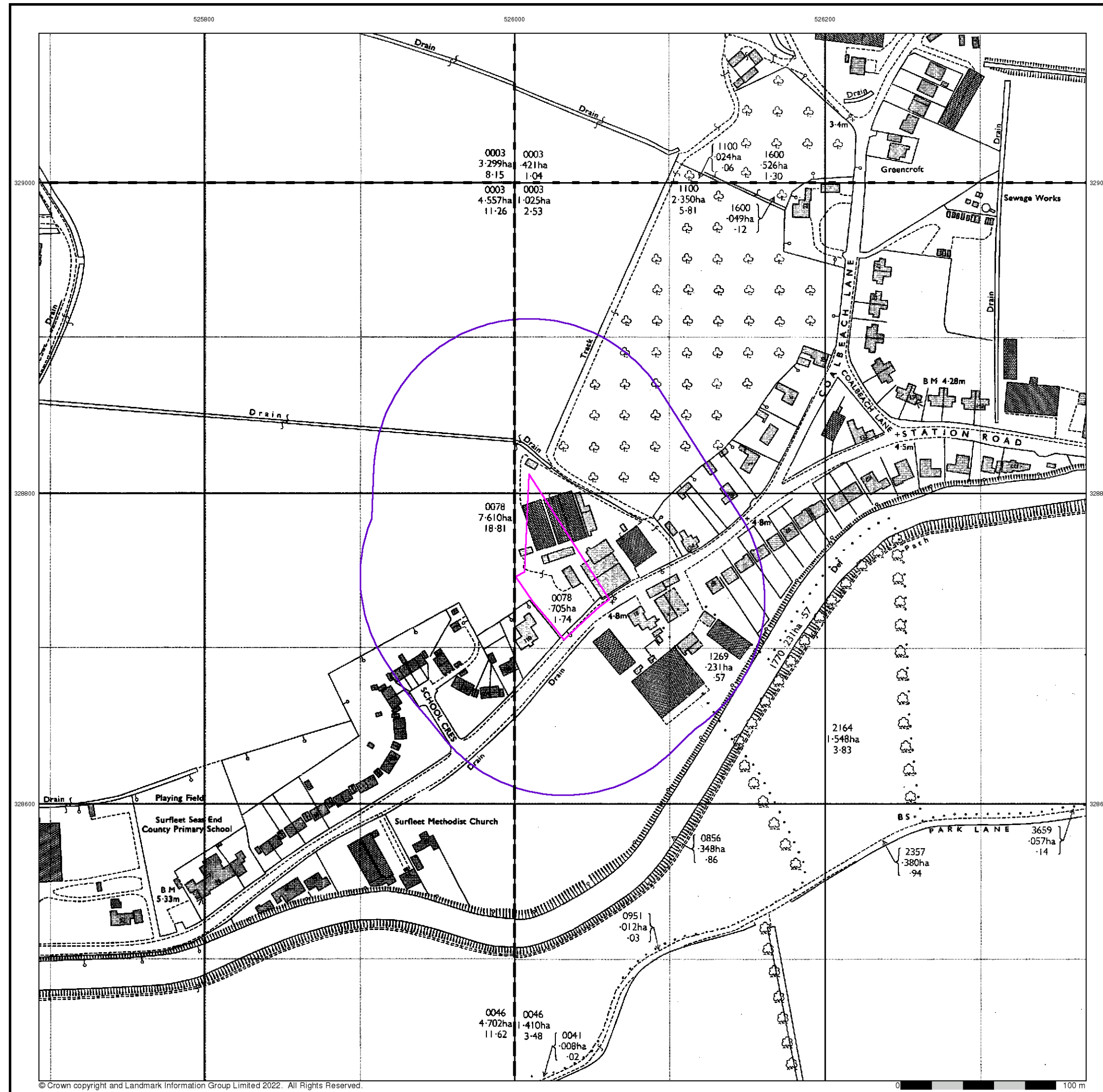
Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB





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Ordnance Survey Plan

Published 1973

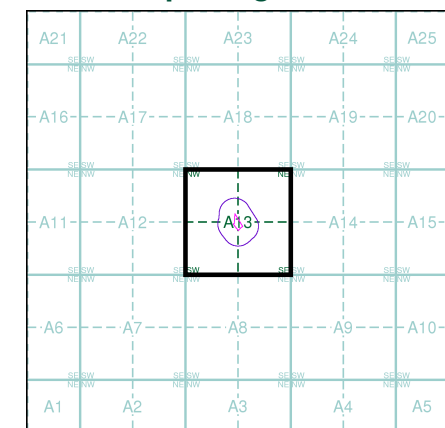
Source map scale - 1:2,500

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)

TF2529 1973 12,500	TF2629 1973 12,500
TF2528 1973 12,500	TF2628 1973 12,500

Historical Map - Segment A13

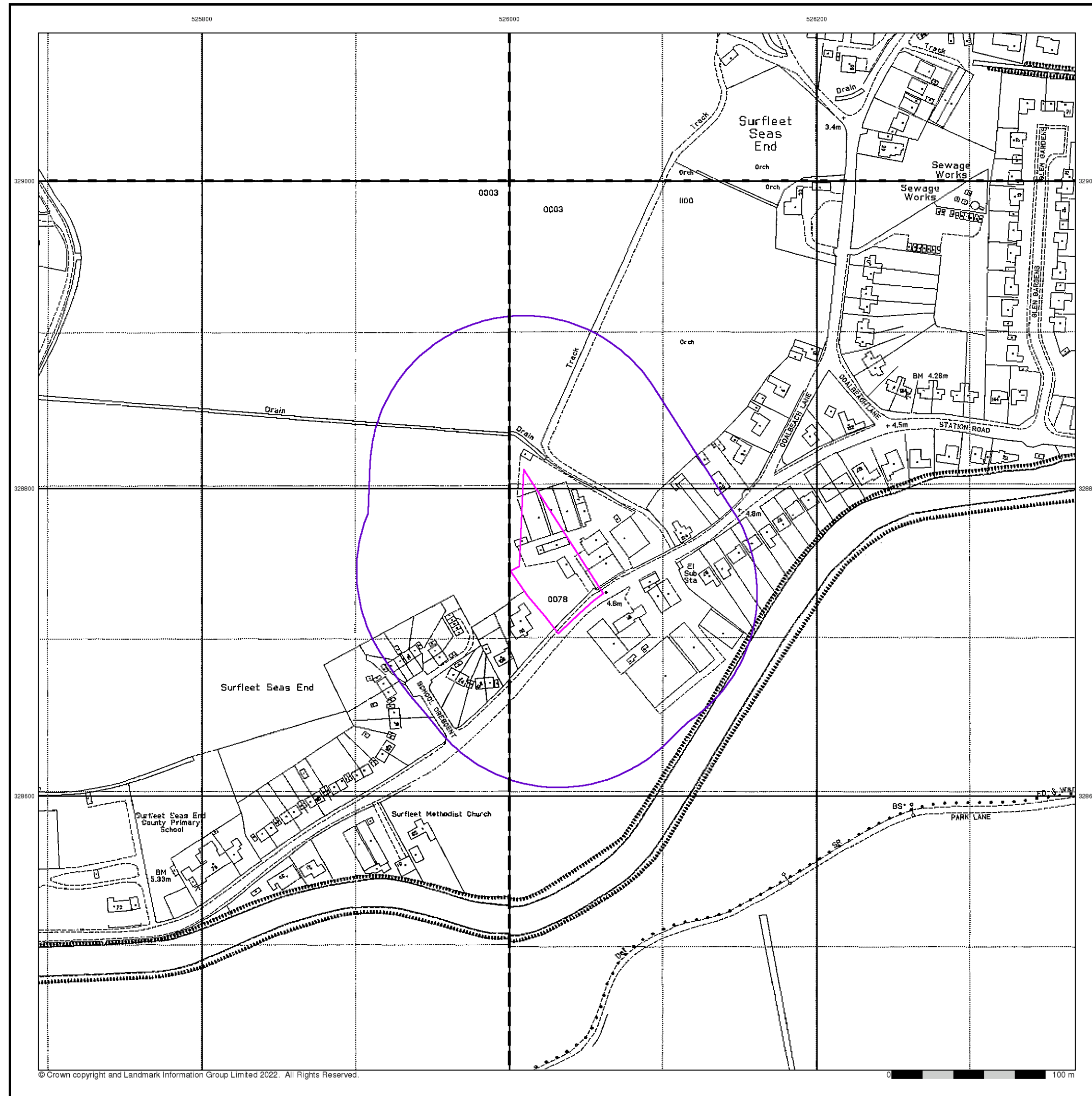


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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0 100 m

Large-Scale National Grid Data

Published 1995

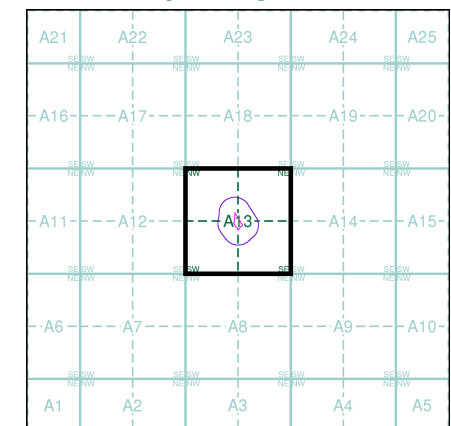
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TF2529 1995 12,500	TF2629 1995 12,500
TF2528 1995 12,500	TF2628 1995 12,500

Historical Map - Segment A13

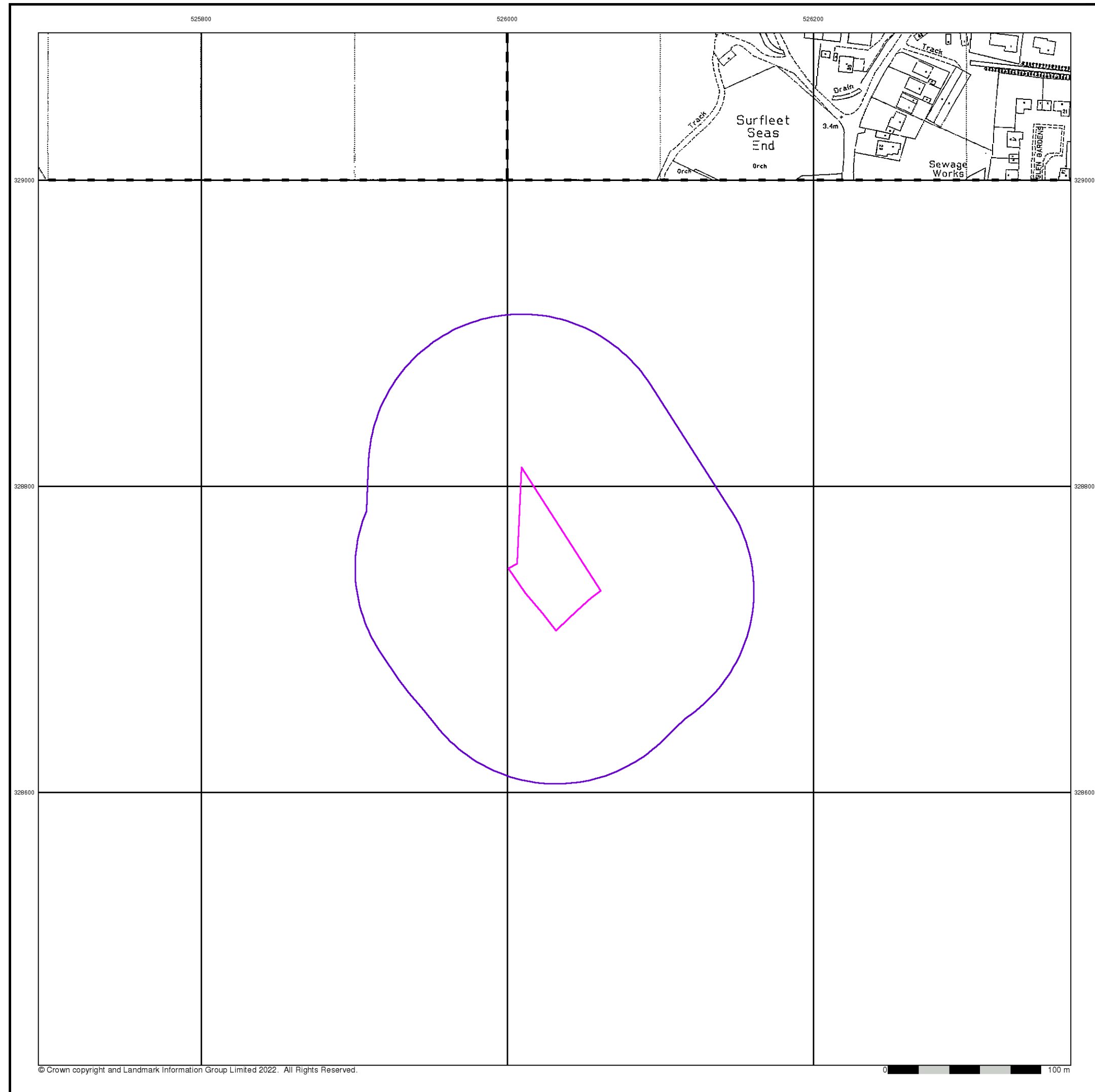


Order Details

Order Number: 300737258_1_1
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Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

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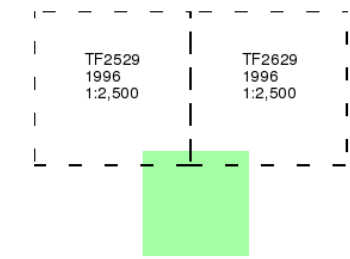
Large-Scale National Grid Data

Published 1996

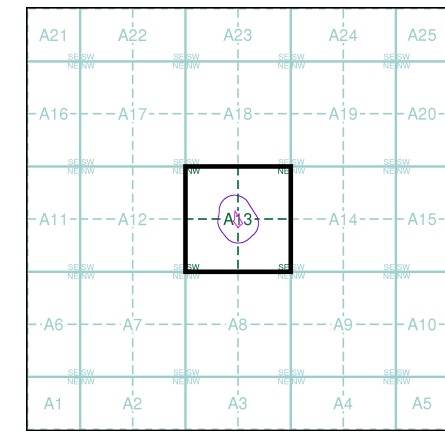
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 100

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

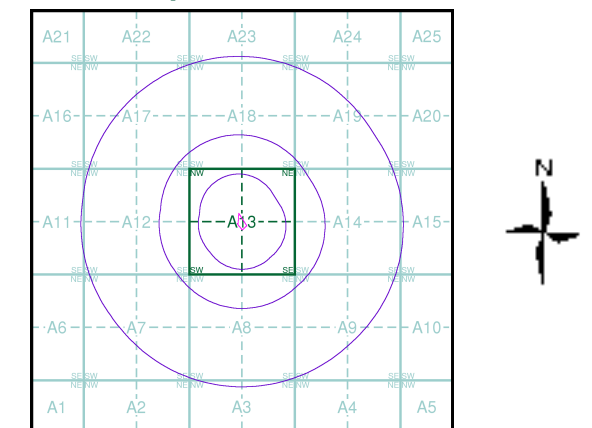
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887 - 1888	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1906	4
Lincolnshire	1:10,560	1906	5
Lincolnshire	1:10,560	1932	6
Lincolnshire	1:10,560	1951	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1975 - 1977	9
Ordnance Survey Plan	1:10,000	1990	10
10K Raster Mapping	1:10,000	2000	11
Street View	Variable		12

Historical Map - Slice A

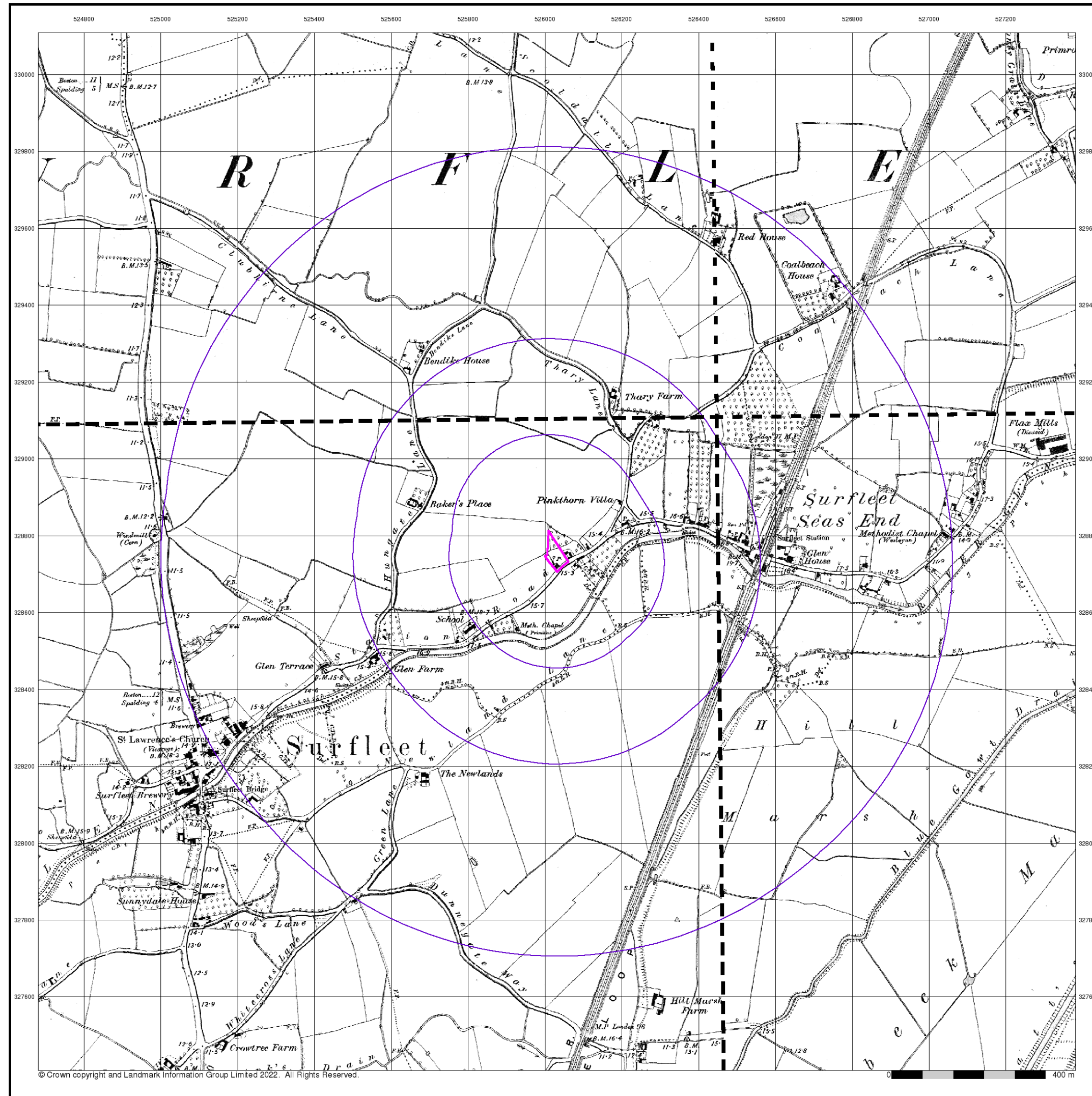


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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Lincolnshire

Published 1887 - 1888

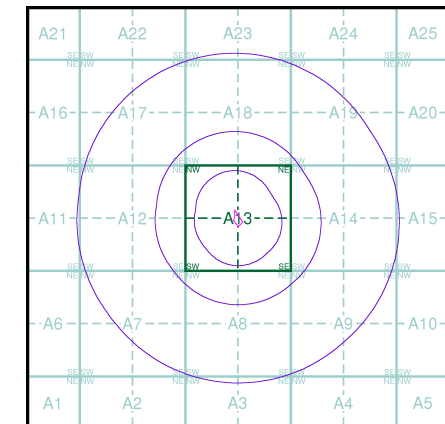
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

126SW 1887 1:10,560	126SE 1888 1:10,560
134NW 1887 1:10,560	134NE 1887 1:10,560

Historical Map - Slice A



Order Details

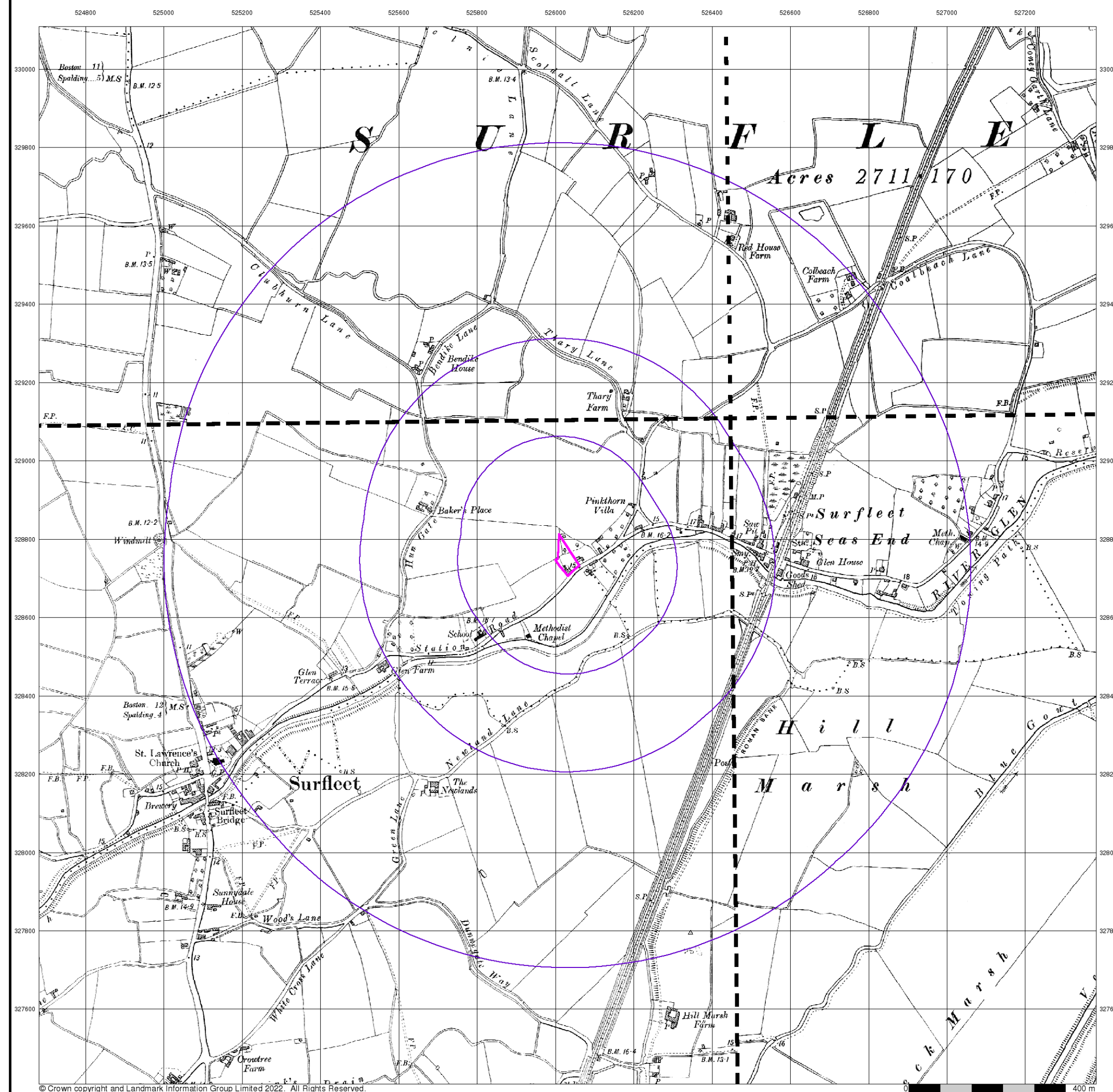
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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Lincolnshire

Published 1906

Source map scale - 1:10,560

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

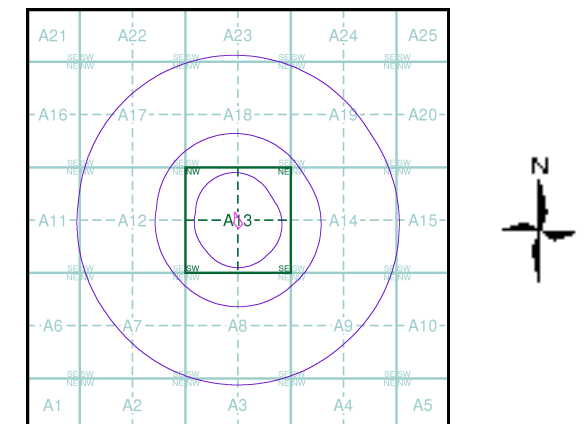
Map Name(s) and Date(s)

A diagram showing a 2x2 grid of quadrants. The quadrants are labeled as follows:

- Top-left: 126SW, 1906, 1:10,560
- Top-right: 126SE, 1906, 1:10,560
- Bottom-left: 134NW, 1906, 1:10,560
- Bottom-right: 134NE, 1906, 1:10,560

A central green square is overlaid on the grid, representing the area of interest.

Historical Map - Slice A



Order Details

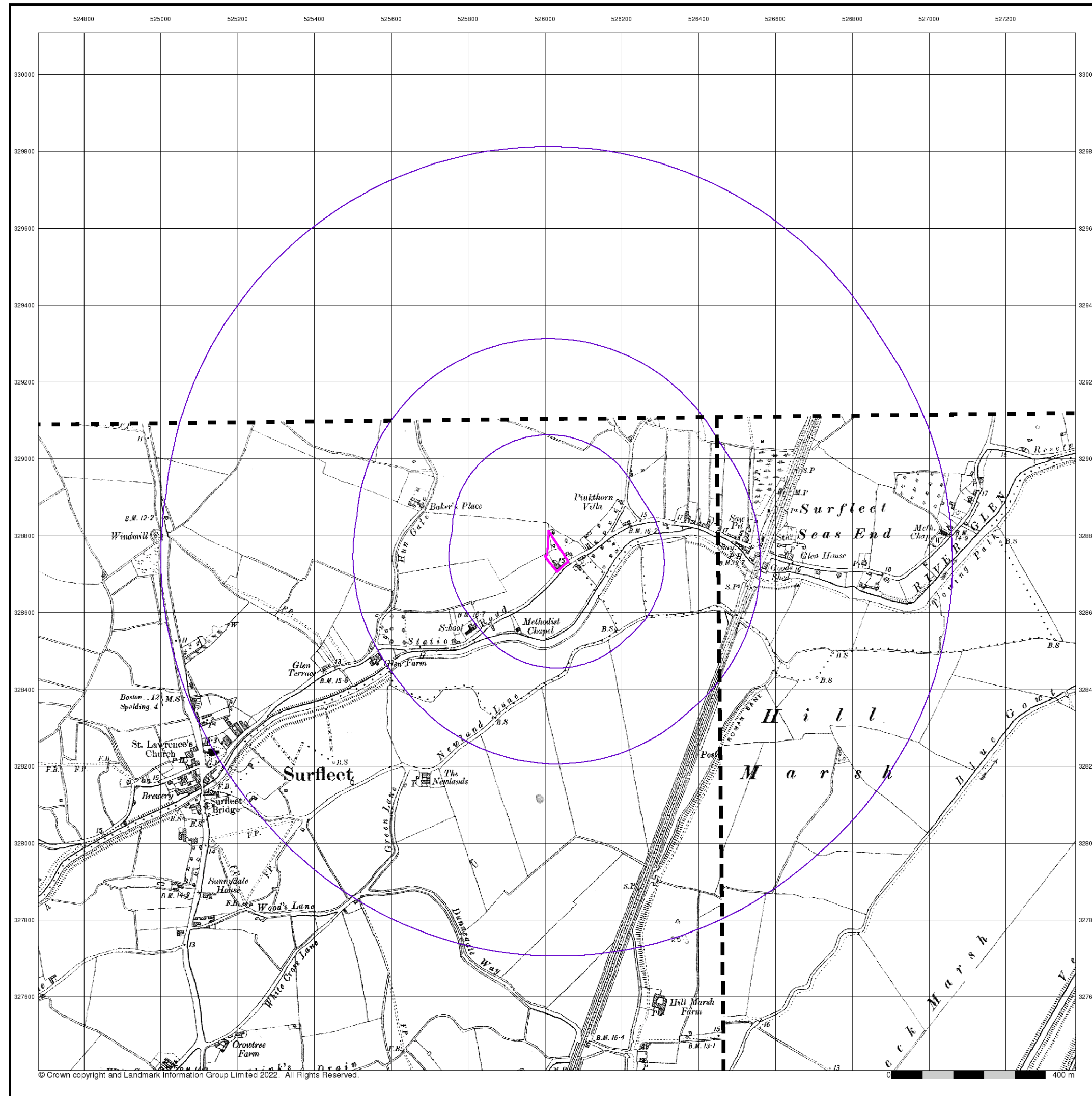
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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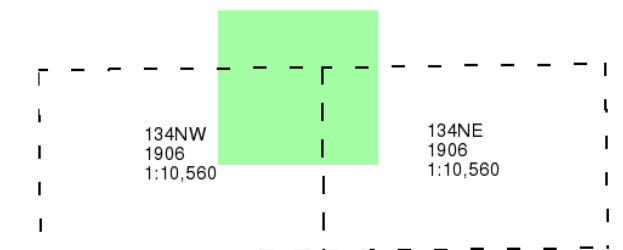
Lincolnshire

Published 1906

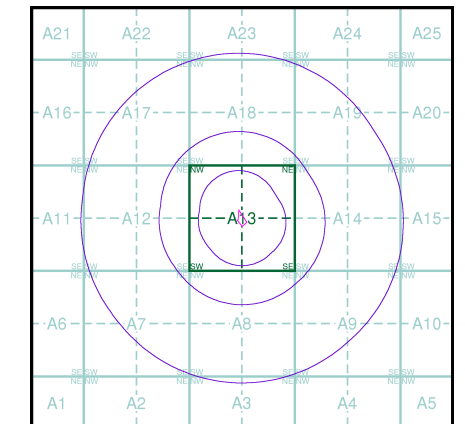
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

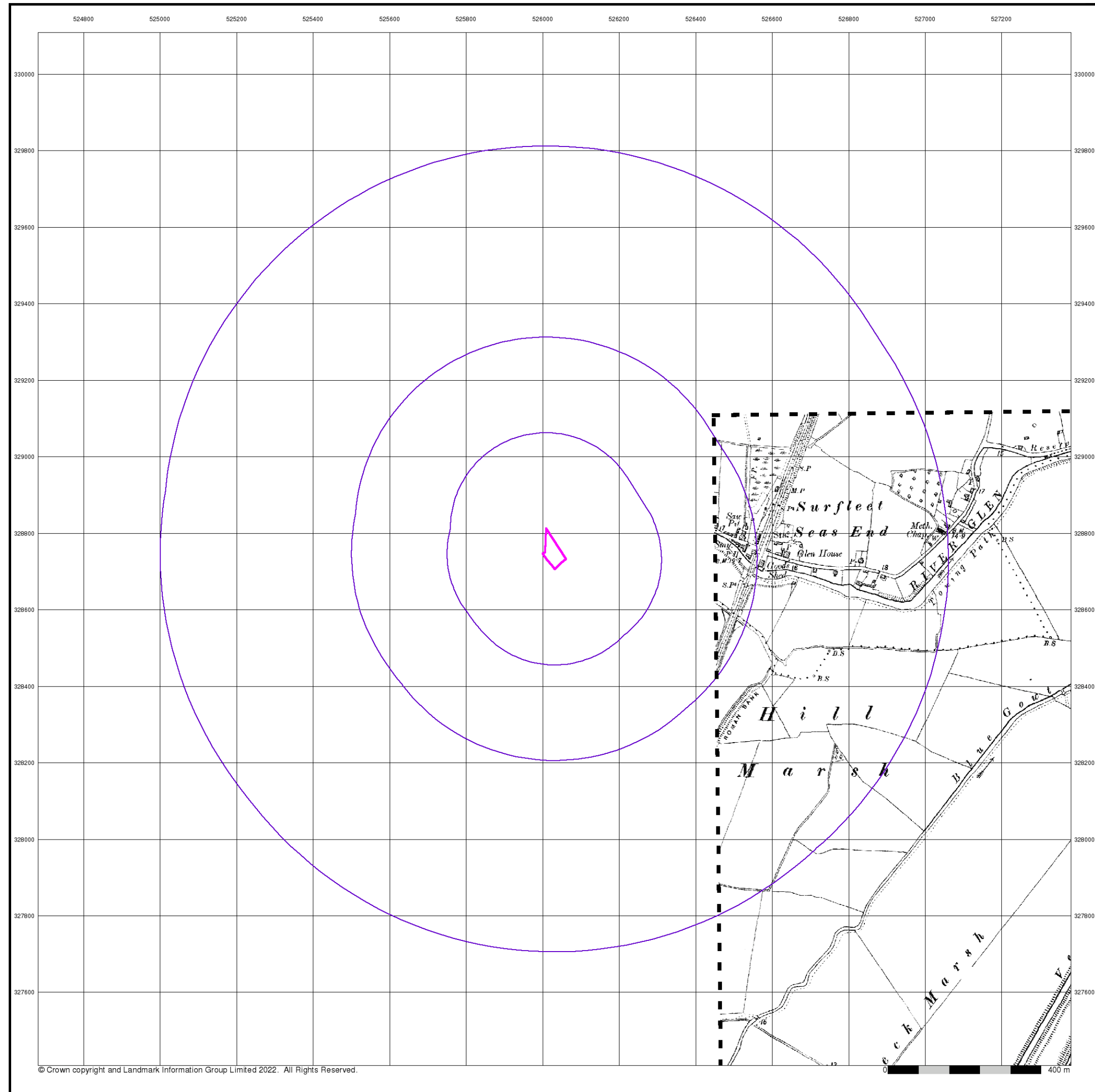
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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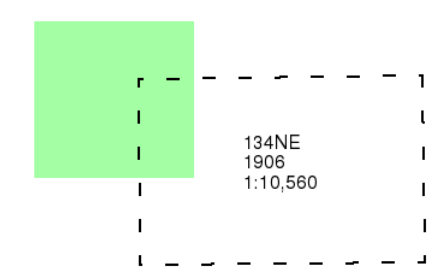
Lincolnshire

Published 1906

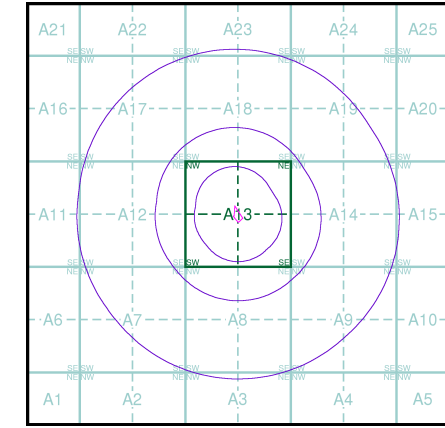
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

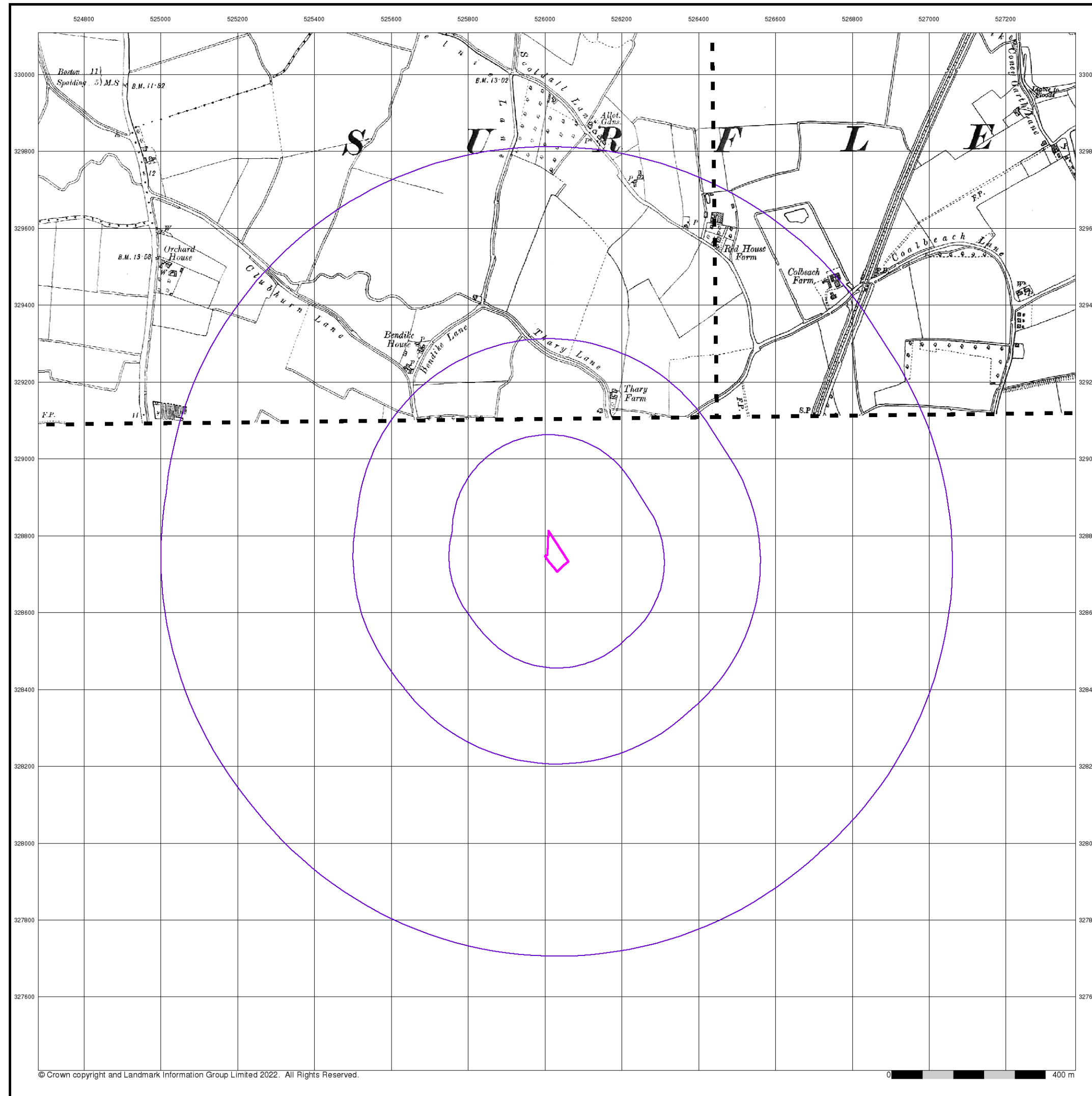


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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Lincolnshire

Published 1932

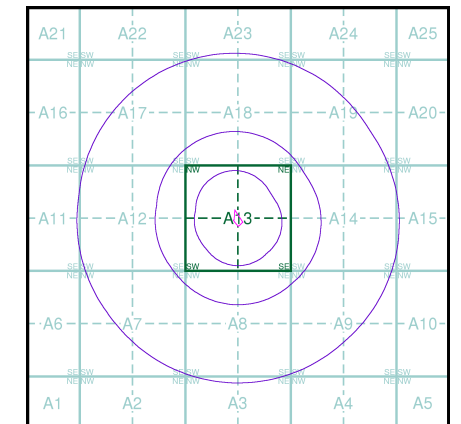
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

126SW 1932 1:10,560	126SE 1932 1:10,560
---------------------------	---------------------------

Historical Map - Slice A



Order Details

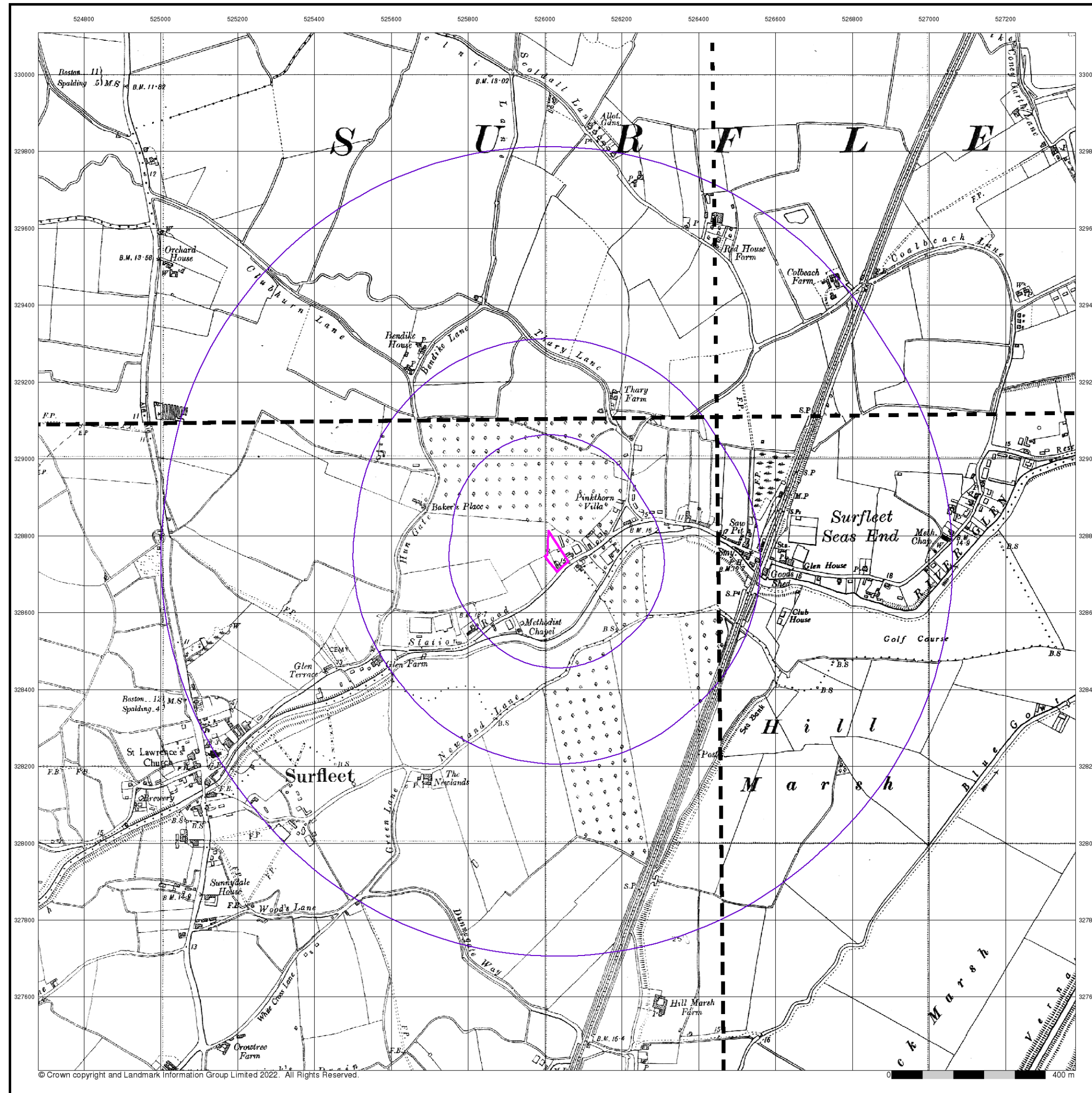
Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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Lincolnshire

Published 1951

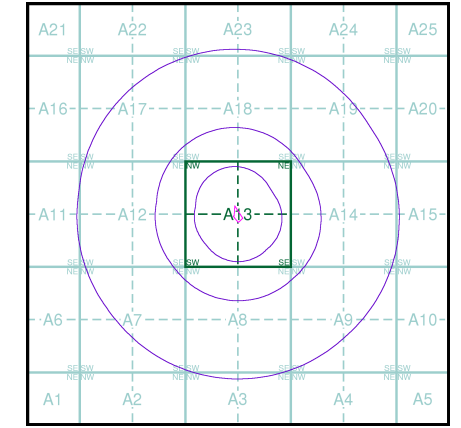
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

126SW 1951 1:10,560	126SE 1951 1:10,560
134NW 1951 1:10,560	134NE 1951 1:10,560

Historical Map - Slice A

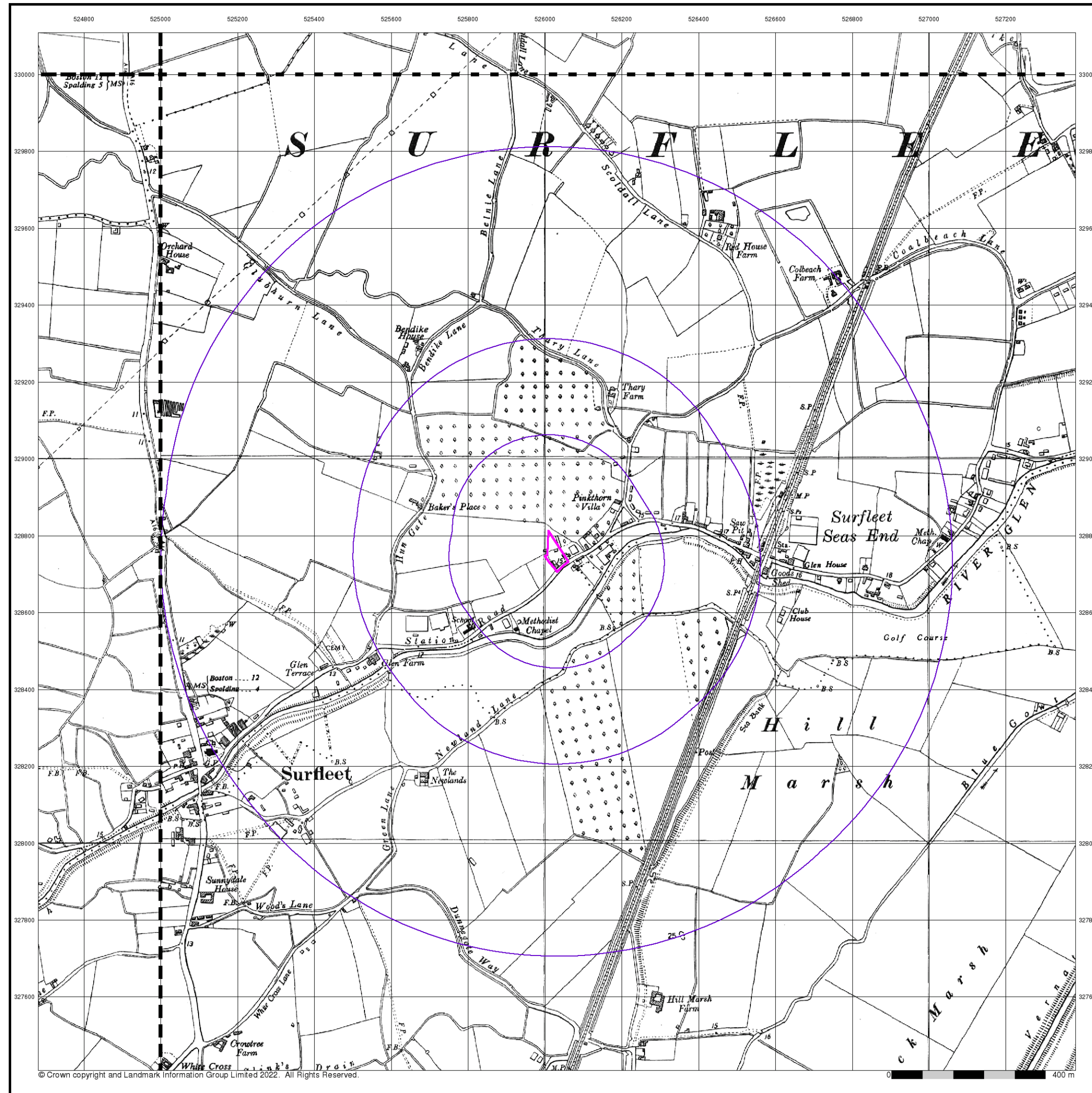


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



Ordnance Survey Plan

Published 1956

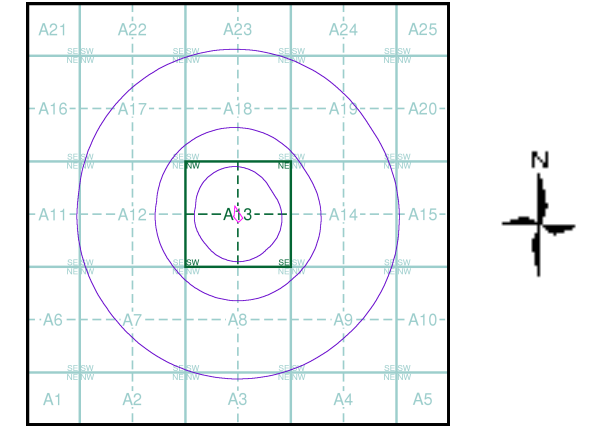
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF23SW	TF23SE
1956	1956
1:10,560	1:10,560
TF22NW	TF22NE
1956	1956
1:10,560	1:10,560

Historical Map - Slice A

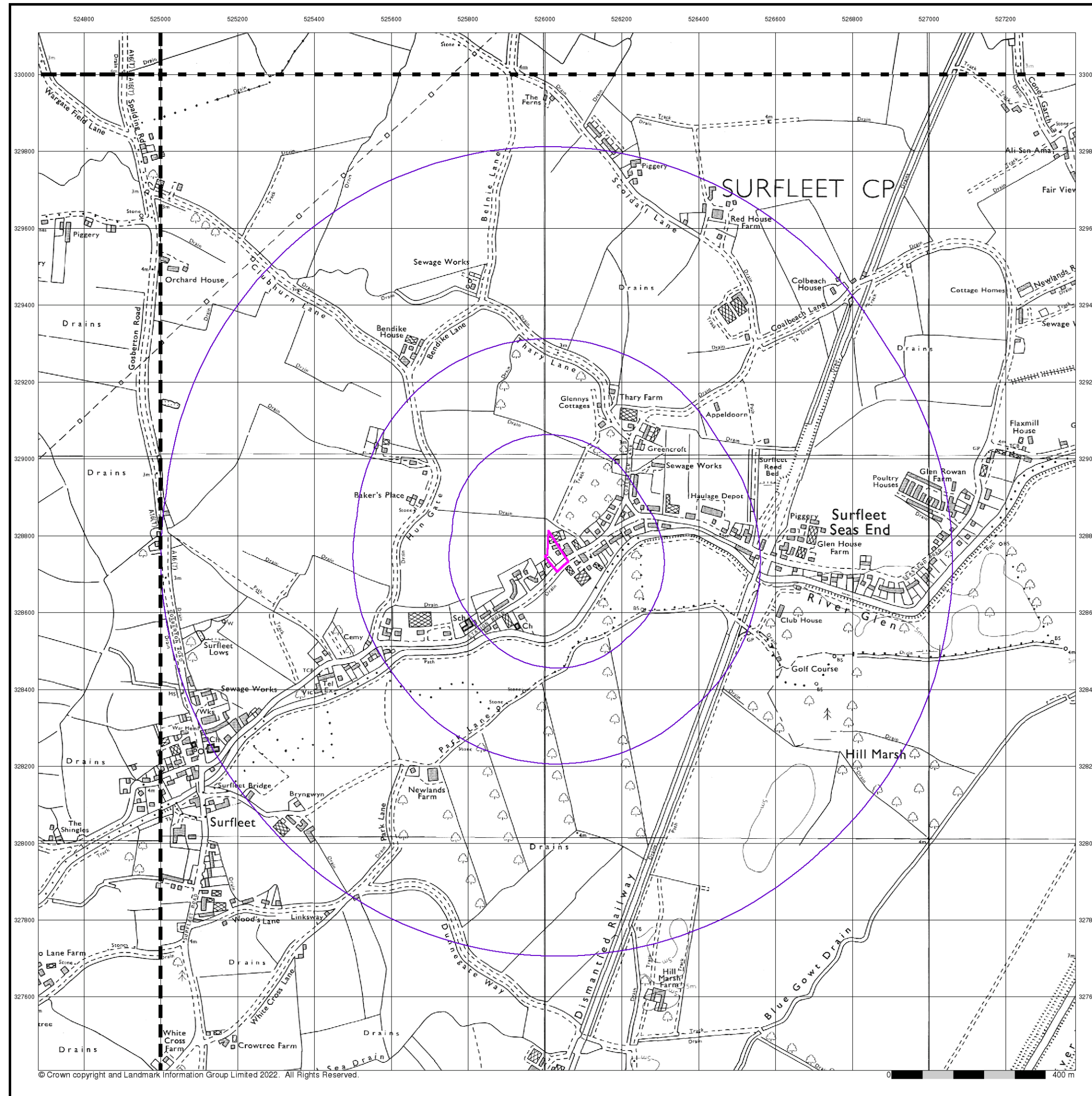


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1975 - 1977

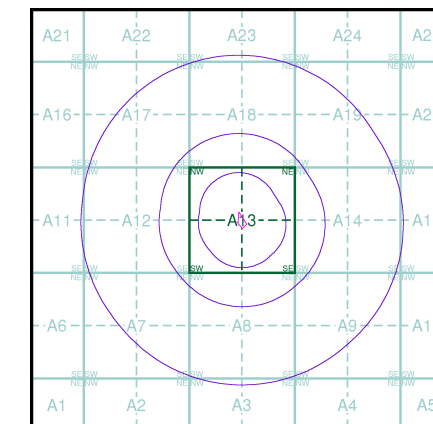
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF23SW	TF23SE
1977	1977
1:10,000	1:10,000
TF22NW	TF22NE
1975	1975
1:10,000	1:10,000

Historical Map - Slice A



Order Details

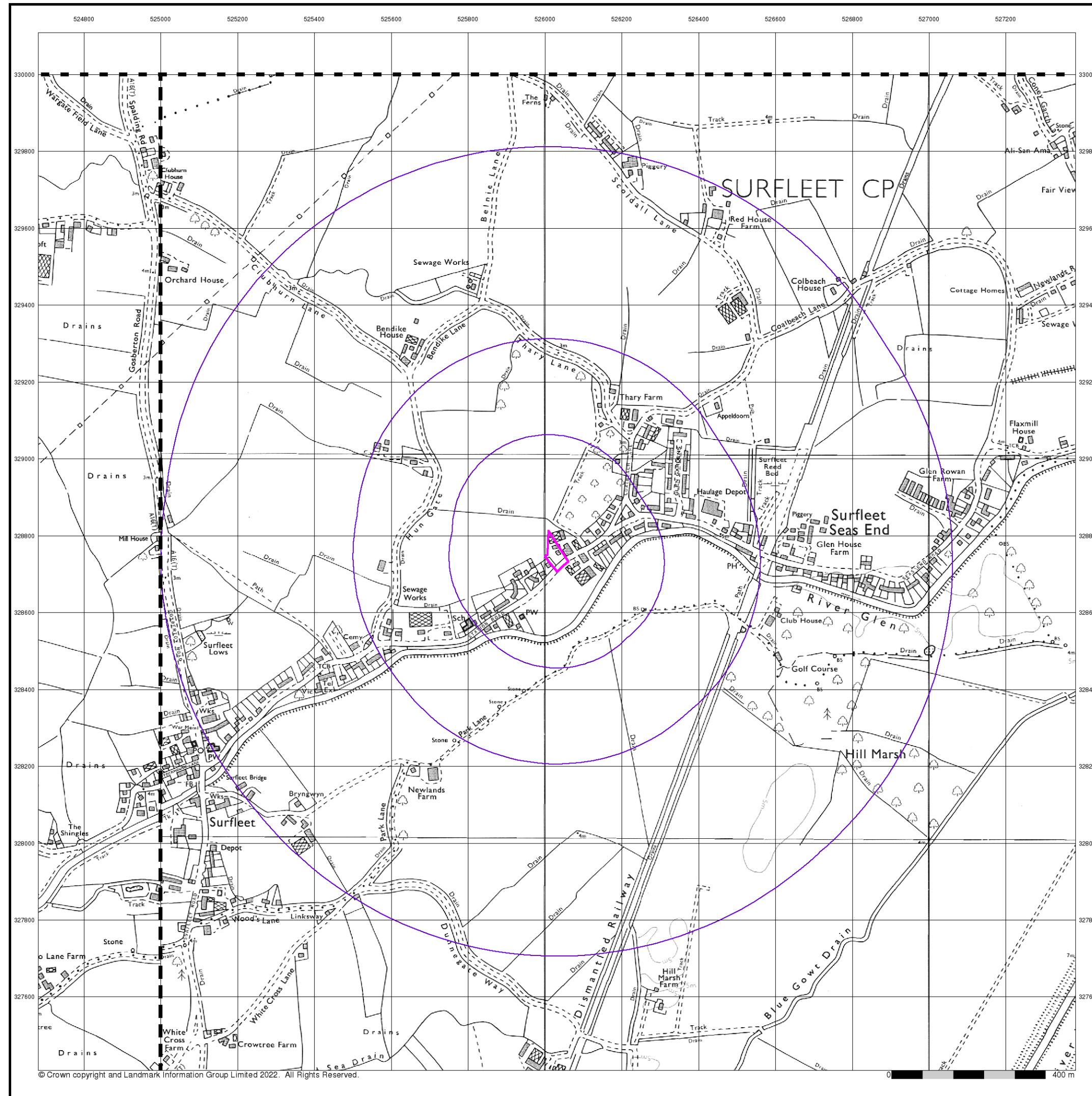
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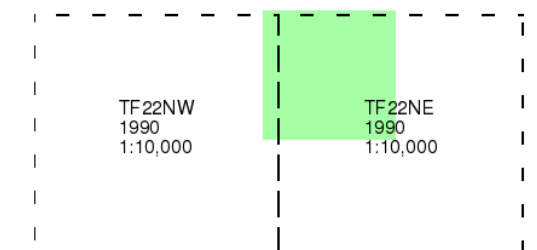
Ordnance Survey Plan

Published 1990

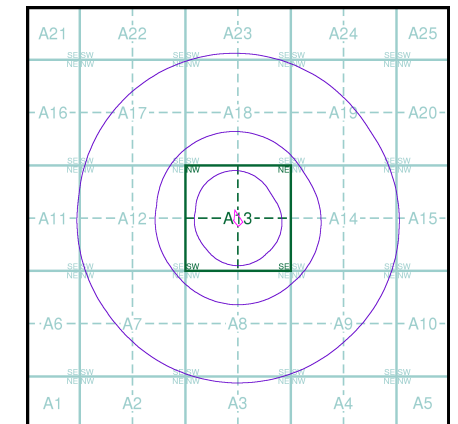
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

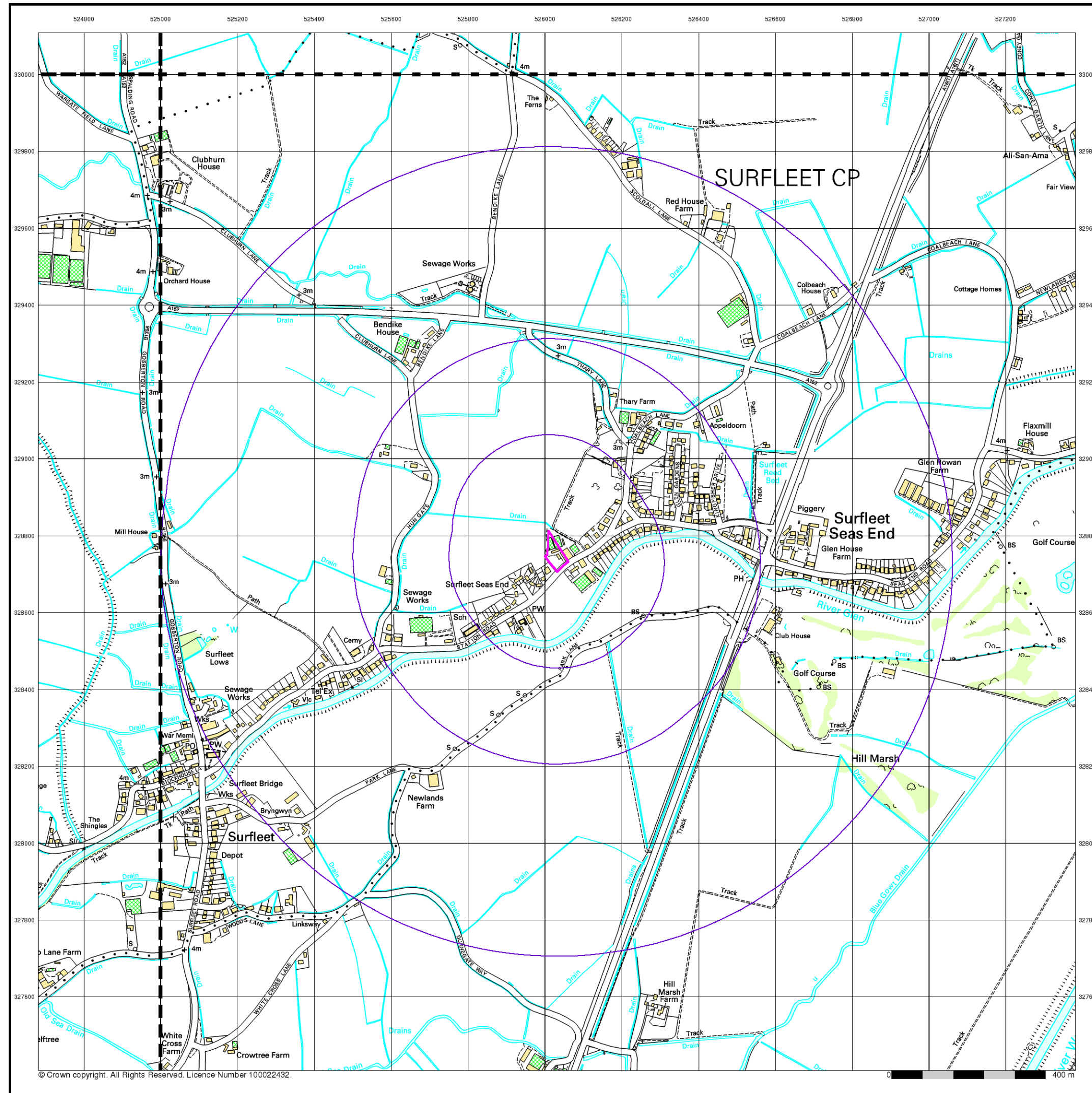


Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



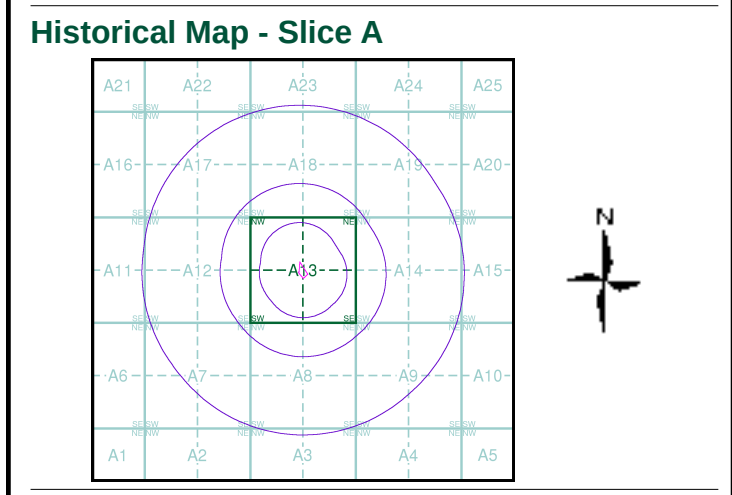
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF23SW	TF23SE
2000	2000
1:10,000	1:10,000

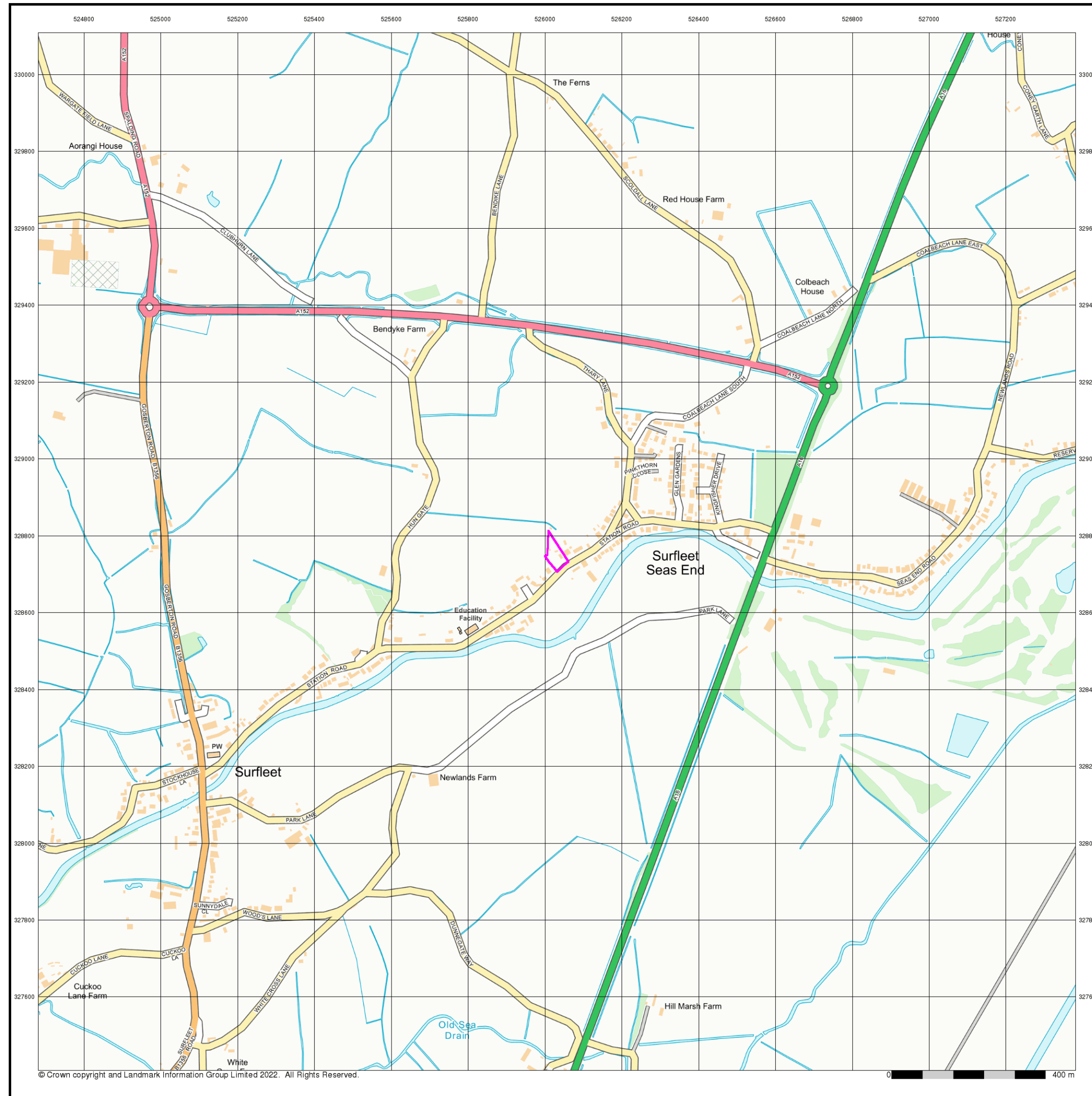
TF22NW	TF22NE
2000	2000
1:10,000	1:10,000



Order Details

Order Number: 300737258_1_1
Customer Ref: 77712
National Grid Reference: 526030, 328760
Slice: A
Site Area (Ha): 0.29
Search Buffer (m): 1000

Site Details
Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB



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Street View

Published 2022

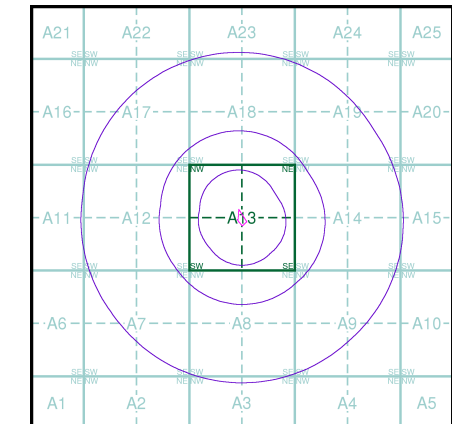
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



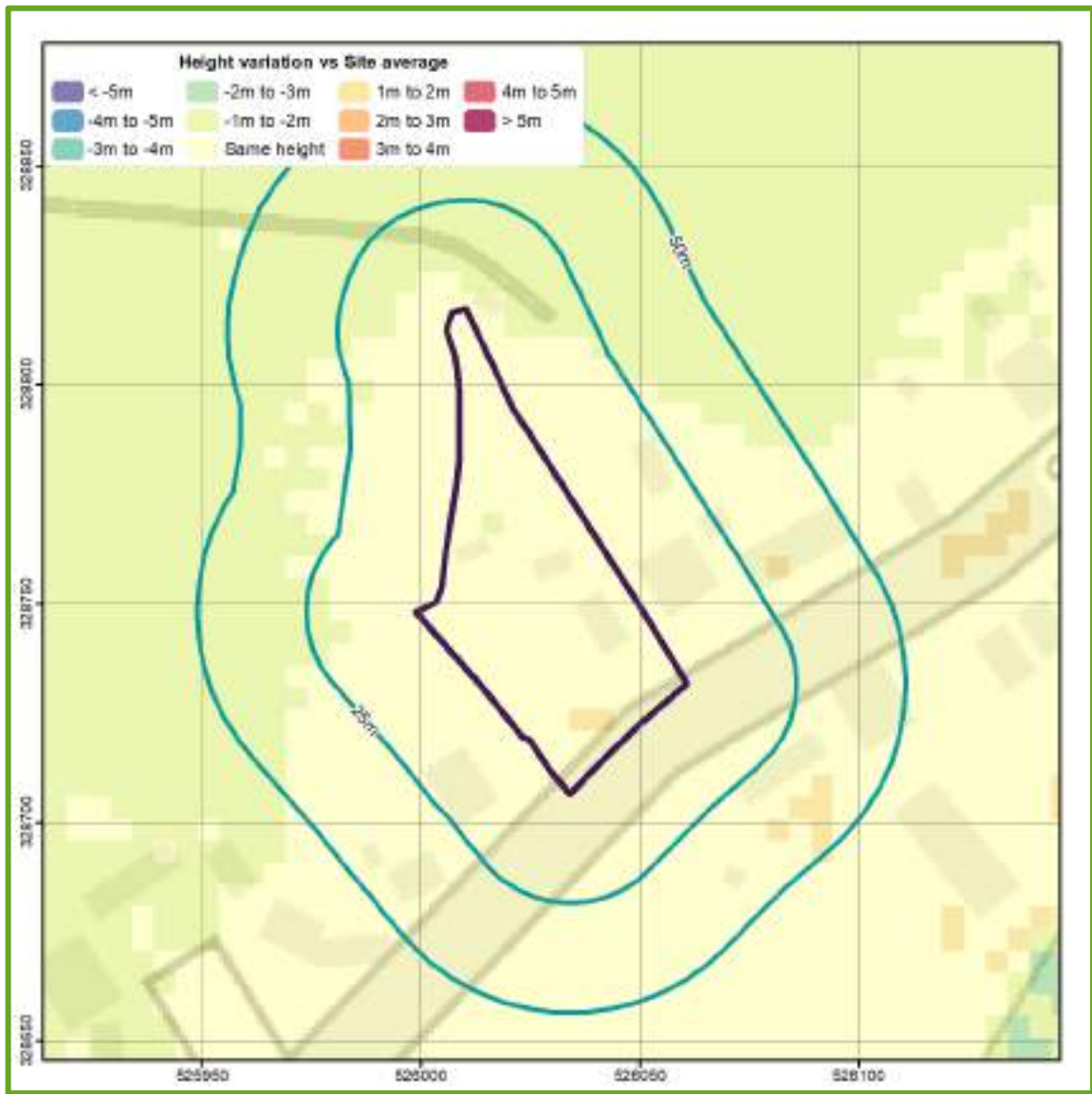
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Search Buffer (m): 1000

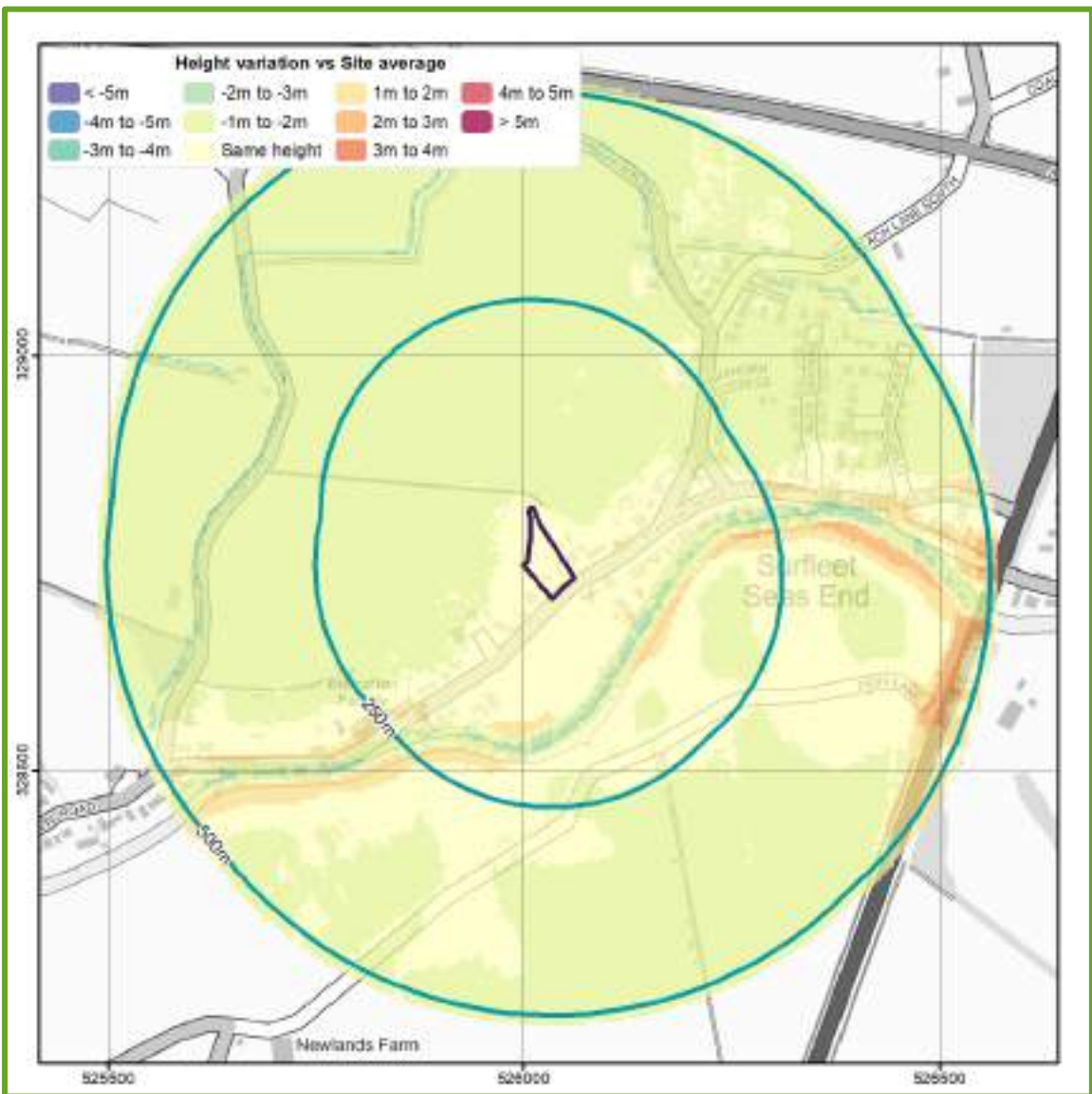
Site Details

Land adj 110 Station Road, Surfleet, Spalding, PE11 4DB

3.6 Topography Maps



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