

Phase 1 – Preliminary Risk Assessment

Land to South of
199 Cradge Bank,
Spalding, PE11 3AQ

MEC_2025_D0028

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1 Introduction

1.1 Report Objectives

MEC Environmental Ltd (MEC) has been appointed by Scenic Homes Limited ('The Client') to provide a 'Phase 1 – Preliminary Risk Assessment' for the proposed development of 7 No. residential houses on land located to the south of 199 Cradge Bank, Spalding, PE11 3AQ (hereafter referred to as 'The Site').

The above scheme has received Planning Permission from South Holland District Council, Planning Reference H16-0279-24. Associated with the Planning Permission are Conditions 11 and 12 which relate to geo-environmental matters associated with the site:

- **Condition 11:** The development hereby permitted shall not be commenced until a scheme to deal with any contamination of land or pollution of controlled waters has been submitted to, and approved in writing by, the Local Planning Authority.
- **Condition 12:** If contamination of land and/or pollution of controlled waters has been identified as a result of investigation undertaken in accordance with Condition 11 above and remediation is required, a fully copy of a verification report shall be submitted to, and approved in writing by, the Local Planning Authority prior to the first occupation of the development. The report shall provide verification that the required works regarding contamination have been carried out in accordance with the approved Method Statement(s). Post-remediation sampling and monitoring results shall be included in the closure report to demonstrate that the required remediation objectives and criteria has been fully met.

This report is submitted in response to the above, using available data sources to develop a preliminary Conceptual Site Model (CSM) for the site. The CSM will be used to identify potentially complete pollutant linkages (i.e. source > pathway > receptor) and establish if there are potentially unacceptable risks which require further review via the completion of intrusive works. Explicitly, this report does not provide any guidance or recommendations with respect to geotechnical risks at the site.

This report has been prepared in general accordance with UK Guidance and good practice, including (but not limited to):

- British Standard 10175:2011+A2:2017 – Investigation of Potentially Contaminated Sites – Code of Practice. BSI, 2017.
- British Standard 5930:2015+A1:2020 – Code of Practice for Ground Investigations. BSI, 2020.
- British Standard 8485:2015+A1:2019 – Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings. BSI, 2019.
- Land Contamination Risk Management. Environment Agency, 2020.

The afore referenced documents, alongside The Building Safety Act 2022¹ (and others), require demonstration of competence. Specifically, it is required that person(s) undertaking such reports have appropriate skill, knowledge, experience and behaviours.

Consistent with the above, this report has been prepared by a degree-qualified Engineer (BEng Hons) with over 20yrs in professional practice, who has demonstrated to industry peers via a formal process of technical review and assessment, sufficient skill, knowledge, experience and behaviours such that they have obtained Chartered Geologist (CGeol) status and are Accredited by the Society of Brownfield Risk Assessment (ASoBRA²) for both Permanent Gas and Vapour Intrusion Risk Assessment, plus are Registered (RSoBRA) for Human Health Risk Assessment.

In maintaining CGeol and ASoBRA / RSoBRA status via the Chartership / Accreditation Revalidation processes required of the Awarding Bodies, the individual undertaking this report also demonstrates a commitment to maintaining professional standards via the implementation of continuing professional development, facilitated by a working culture which supports the individual to work within the parameters of their skill, knowledge and experience.

1.2 Information

This report is based on information provided to MEC by The Client – see Table 1.

Table 1. Information Provided to MEC

Author	Date	Reference	Title
GeoDyne Limited	20 August 2019	D38185	Combined Phase 1 Desk Study and Phase 2 Exploratory Investigation for Seagate Homes – Millfield Nursery, Spalding.
Note: It is not the purpose of this report to reiterate the full content of the above document. However, where required to inform the gas risk / design process, pertinent information is summarised. The above documents are normative references to this report and should be read in conjunction with it. Should the reader require full copies of the documents a written request should be provided to Scenic Homes Limited.			

In addition to the above, an Envirocheck Report has been obtained for the site. A copy of this is provided as Appendix A.

¹ The Building Safety Act 2022 (Commencement No. 1, Transitional and Saving Provisions) Regulations 2022 (Statutory Instrument No. 561)

² <https://sobra.org.uk/accreditation/register-of-sobra-risk-assesors/>

1.3 Proposed Development

1.3.1 Layout and Setting

The development comprises 7 No. residential houses referred to as Plots 1 to 7. Garages are proposed integral to the residential properties. A development layout drawing is provided as Figure 1.



Figure 1. Proposed Site Plan (Seven 22 Architecture Limited, Drawing Number 099 (S) – 01, October 2024.

1.3.2 Foundations & Floor Slab Construction

In addition to the documents listed in Table 1, a selection of drawings has been provided for the residential dwellings which show the proposed foundation and floor slab construction. A copy of these drawings is provided in Appendix B. In summary:

- **Foundations:** Comprise 220mm diameter bottom driven steel cased mini piles, terminated at circa 10m to 12m below ground level, grouted with concrete slurry and terminated to reinforced concrete ground beams.

**Note: These grouted foundations will form an intimate contact with the cohesive portion of the Tidal Flat Deposits (which are proven to extend to circa 10mbgl), such that they are unlikely to provide a preferential pathway for the migration of ground gas or contamination³.*

- **External Walls:** Concrete blockwork construction with cavity and facing brick.
- **Floor Slab Construction:** The floor slab construction (bottom up) comprises:
 - **Passive Sub-Slab Venting:** Minimum 225mm deep open void, passively vented via a series of telescopic (cranked) vents to air bricks located on two opposing elevations of each dwelling, with cross-venting (missed blockwork) provision to sleeper walls*.
 - **Beam and Block Floor Slab.**
 - **Insulation (150mm thk) (omitted in garage areas).**
 - **Screed (75mm thk).**
 - **Finishes.**

**Note: Ventilation Markups have been provided, showing the location of proposed telescopic air bricks and cross-venting to sleeper walls. The provisions exceed the requirements of England Building Regulations Approved Document Part C. Copies of these drawings are presented in Appendix B.*

1.3.3 Flood Risk

Condition 3 of the Planning Consent for the scheme requires all new buildings to be constructed with a Finished Floor Level (FFL) at 3.40m Ordnance Datum (ODN), incorporating flood resilient construction to a height of 300mm above the predicted flood level (3.35m ODN, based on a 1 in 100yr flood event).

To facilitate the above, it is understood that site levels below the proposed houses will be raised from the existing ground level (circa 2.28m ODN) by the placement of site-won arisings (from foundation excavations etc.).

Comment on flood risk and any associated waterproofing design / flood resilient construction requirements is beyond the scope of this report and/or MEC's remit of works.

³ Wilson & Mortimer. Piled Foundations and Pathways for Ground Gas Migration in the UK, 2017. ICE Publication Paper 17.00009.

2 Environmental Setting

2.1 Site Location and Description

The development site is located to the south of 199 Cradge Bank, Spalding, PE11 3AQ. The site comprises an area of approximately 0.22 Hectares and is located at National Grid Reference 523480, 320140.

The site forms the north-eastern portion of the former Millfield Nursery site, the wider area associated with which has recently (circa 2024) been developed with residential properties by Seagate Homes Limited.

The site is in a rural area, with land uses immediately adjacent comprising residential properties. An open drain and Cradge Bank are present to the east, with Welland Bank and the River Welland beyond.

2.2 History

Historical Ordnance Survey (OS) maps have been reviewed, see Table 2.

Table 2. Site & Surrounding Area History

OS Map	Site	Surrounding Area, 100m Buffer
1888	The site comprises an agricultural field, likely related to the Common Windmill (positioned 100m south-west).	Common Windmill is located 100m south-west – with two associated Pumps. Welland Bank is present to the east with the River Welland beyond. The High-Water Mark of Ordinary Tide is indicated 50m east with agricultural land (Liable to Flood) beyond. Marshy Ground and a Brick Field with Drainage Pump is indicated circa 200m north of the site.
1904	No significant changes.	No significant changes.
1932	No significant changes.	The Brick Field circa 200m north of the site is no longer present, this area being developed with small structures (most likely residential).
1958	No significant changes.	Common Windmill is indicated to be 'Disused'. Two structures have been constructed south of the Windmill, likely comprising the first buildings associated with Millfield Nurseries.
1968	A Drain is indicated bordering the eastern boundary of the site – adjacent to Cradge Bank.	Two buildings have been constructed ~50m south-west, identified as Millfield Nurseries. Further buildings associated with Millfield Nurseries are identified ~100m south/south-west. Residential properties have been constructed circa 100m north, adjacent to Cradge Bank. A Community Centre and Playing Field are also indicated.
1980	Structures (Greenhouses) associated with Millfield Nurseries have expanded, now encroaching onto the southern portion of the site.	Buildings associated with Millfield Nurseries have expanded.
1988	Structures (Greenhouses) associated with Millfield Nurseries have expanded, now covering much of the site.	Residential houses have been constructed to the immediate north of the site, including 199 Cradge Bank. Tanks are identified on the wider Millfield Nurseries site, circa 100m south of the site at their closest point.

1995	No significant changes.	No significant changes.
2022	The structures associated with Millfield Nurseries are being demolished.	
2024	The site is being used for materials storage associated with the adjacent residential housing development.	Residential houses are under construction on the wider area of the former Millfield Nurseries site.

In summary, the site remained undeveloped agricultural land until circa 1980 when structures (Greenhouses) associated with the former Millfield Nursery site impinged onto the southern portion of the development area, see Figure 2a. These structures (Greenhouses) were extended in the 1980's, covering much of the site (and adjacent land) by 1988, see Figure 2b.

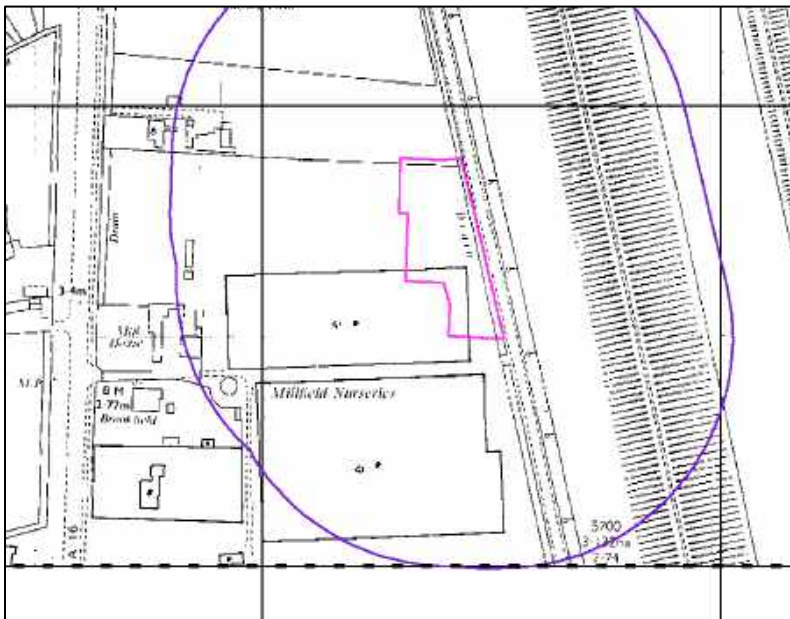


Figure 2a. Extract from Historical OS Map, Dated 1980

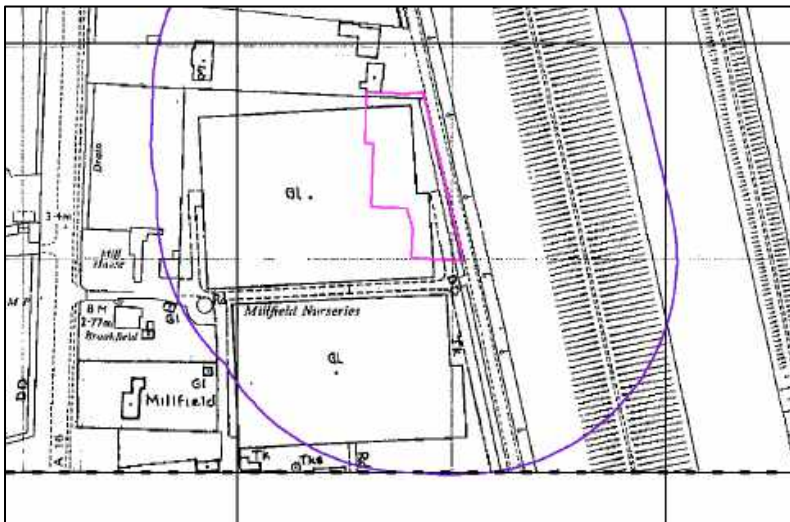


Figure 2b. Extract from Historical OS Map, Dated 1988

Millfield Nursery was closed and demolished in circa 2022, after which time the wider area of the former nursery site was redeveloped with residential housing by Seagate Homes Limited. During these development works, the site area to which this report pertains was used for the storage of building materials.

Land uses in the surrounding area have been dominated by the former Millfield Nursery site and residential properties.

Historical maps indicate marshy ground to the east of the site, associated with low-lying fen farmland and the former flood plain of the River Welland. Various Drains / Channels (including Welland Bank) have been constructed to manage water across the area.

Geodyne, 2019 previously inferred that a ditch may have been backfilled (in the 1930's) on the northern portion of the site. However, careful review of the OS maps indicates the 'ditch' is likely a field boundary – which remains to this day, segregating the northern boundary of the development site from the residential dwellings to the north. Such discrepancies can sometimes be inferred due to the plotting of redline site boundaries on historical OS maps, the scale of which varies over time. Regardless, even if a ditch were historically present, any fill placed therein would be >90yrs post placement such that it would not be considered a credible source of ground gas that requires further consideration as part of this report.

2.3 Geology

The geology of the area comprises Tidal Flat Deposits (mud flat / sand flat deposits, including Peat) underlain by the Oxford Clay Formation (Mudstone).

2.4 Hydrology & Hydrogeology

The drift and solid geology both comprise Unproductive Strata, i.e. low permeability materials which will have negligible significance for water supply or river base flow.

Associated with the low-lying fenland, various Drains and Channels are present near the site, including an open ditch parallel with the eastern site boundary and Welland Bank beyond (which was constructed to manage water across the area).

The site is not located in a Groundwater Source Protection Zone.

One Water Abstraction is listed on the immediate southern boundary of the site, this relates to surface water extraction (likely from the open ditch to the east) which was used for spray irrigation (likely for the former Millfield Nursery).

Comment on flood risk is beyond the scope of this document.

2.5 Radon

The site is located in an area where the estimated probability of radon exceeding the specified Action Level (200Bq/m^3) is <1%. Radon mitigation is not required within new buildings or extensions.

2.6 Mineral Sites

One area of Infilled Land (Non-Water) is listed circa 170m north of the site. Review of historical OS maps indicates this relates to the former 'Little London Brick Field', with clay extraction of the Tidal Flat Deposits for local brick manufacture. The Brick Field appears to be largely infilled by 1932 and developed with structures shortly after. Given the prevailing cohesive geology of the area (Tidal Flat Deposits), the distance of the Brick Field from the site (~170m) and the age of any fill placed therein (>90yrs) the infilled Brick Field is not considered to pose a credible risk to the on-site development which requires further discussion via this report.

2.7 Coal Mining

The site is not located in an area of coal mining.

2.8 Landfills

No landfills are listed within 250m of the site.

3 Previous Site Investigation Works

3.1 Scope of Intrusive Works

GeoDyne Limited completed a phase of intrusive works on the site of the former Millfield Nursery in 2019, including the 'Land South of 199 Cradge Bank' (to which this report pertains). The scope of works comprised 23 No. window sample boreholes (WS1 to WS23, extended to between 3m and 4m bgl), 3 No. cable percussive (BH1 to BH3, extended to between 18.7m and 19.0mbgl) and 8 No. hand auger holes (HAH1 to HAH8, extended to between 0.8m and 1.2mbgl). As part of the intrusive works, representative soil samples were removed for chemical (contamination) testing. Gas/groundwater monitoring standpipes were installed at 9 No. locations, with 6 No. return gas/groundwater monitoring events subsequently completed. An exploratory hole location plan is presented as Figure 3.

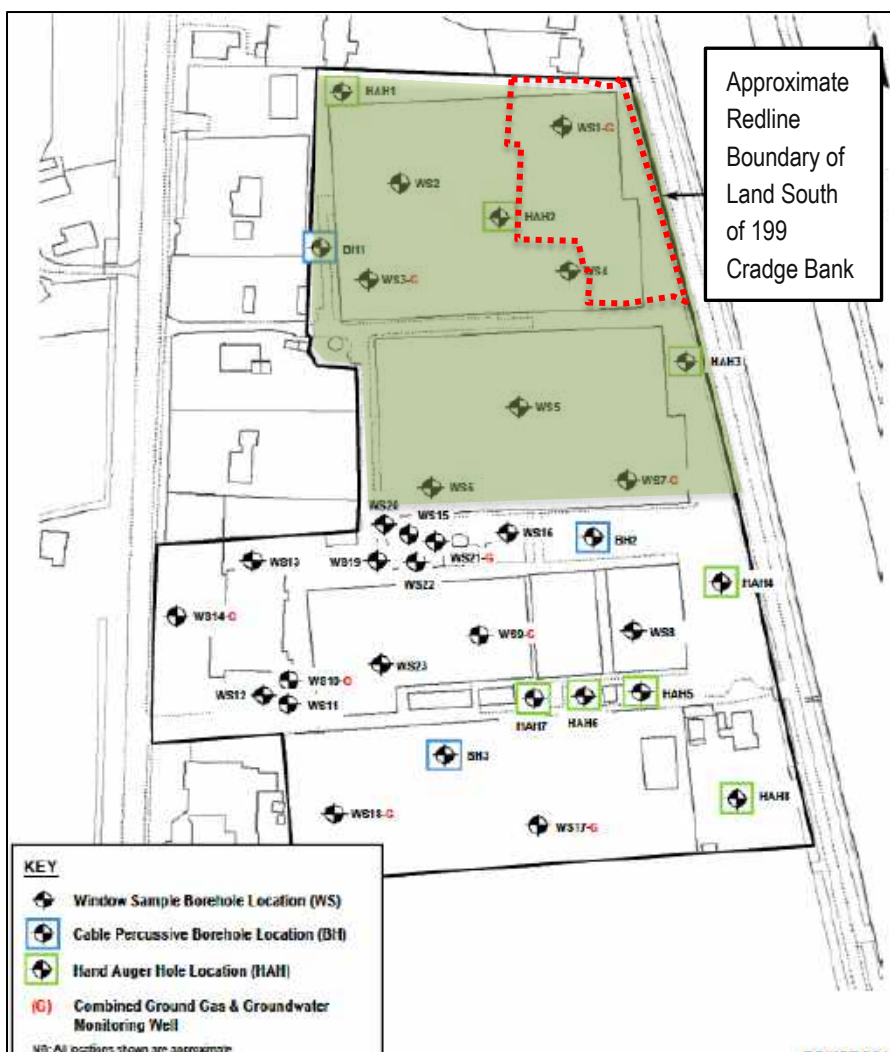


Figure 3. Exploratory Hole Location Plan – Extracted from GeoDyne Report, Figure Number D38185/04

3.2 Ground Conditions

Exploratory holes WS1, WS4 and HAH2 were completed in the immediate proximity of the redline boundary area to which this report pertains. However, exploratory holes completed in the ‘green-shaded’ area of Figure 3 are considered to reasonably reflect anticipated on-site ground conditions. This reflects that this area of the former Millfield Nursery has the same site history (expansive Greenhouse structures constructed in the 1980’s, remaining to demolition in circa 2024 – see Section 2.2, Figures 2a/2b) and the same inferred ground conditions (Tidal Flat Deposits). Encountered ground conditions per the ‘green-shaded’ area in Figure 3 are summarised in Table 3.

Table 3. Encountered Ground Conditions – GeoDyne, 2019

Hole ID	Ground Conditions	Ground Water Condition	Standpipe Response
WS1	GL to 0.3m Topsoil / Made Ground comprising reworked topsoil. 0.3m+ Tidal Flat Deposits comprising Silt / Silty Clay / Clay with pockets of fibrous Peat below 1.6m (to termination) and slight organic odour.	Water strike at 1.0mbgl, in Tidal Flat Deposits	1.0m to 4.0m, targeting Tidal Flat Deposits
WS2	GL to 0.4m Topsoil / Made Ground comprising reworked topsoil. 0.4m+ Tidal Flat Deposits comprising clayey sandy Silt / sandy Silt with occasional strands of fibrous reed-type vegetation below 2.2m.	Water strike at 1.0mbg, in Tidal Flat Deposits	-
WS3	GL to 0.45m Made Ground comprising silt and topsoil with occasional brick fragments. 0.45m+ Tidal Flat Deposits comprising sandy Silt / clayey Silt with pockets of very soft clay and local running silt conditions.	Water strike at 1.0mbgl, in Tidal Flat Deposits	1.0m to 4.0m, targeting Tidal Flat Deposits
WS4	GL to 0.5m – Topsoil / Made Ground comprising reworked topsoil. 0.5m+ Tidal Flat Deposits comprising sandy Silt / sandy slightly clayey Silt.	Water strike at 1.0mbg, in Tidal Flat Deposits	-
WS5	GL to 0.45m – Topsoil / Made Ground comprising reworked topsoil. 0.45m+ Tidal Flat Deposits comprising slightly clayey Silt / silty Clay with local running sand conditions.	Water strike at 1.0mbg, in Tidal Flat Deposits	-
WS6	GL to 0.45m Topsoil / Made Ground comprising reworked topsoil. 0.45m+ Tidal Flat Deposits comprising sandy Silt / very sandy Silt with occasional strands of poorly decomposed fibrous reed-type vegetation below 2.25m.	Water strike at 1.0mbg, in Tidal Flat Deposits	-
WS7	GL to 0.35m Made Ground comprising silt and topsoil with occasional glass fragments. 0.35m+ Tidal Flat Deposits comprising sandy Silt / silty Clay.	Water strike at 1.0mbgl, in Tidal Flat Deposits	1.0m to 4.0m, targeting Tidal Flat Deposits

BH1	GL to 0.5m Topsoil. 0.5m to 10.8mbgl Tidal Flat Deposits comprising slightly sandy slightly clayey Silt / silty Clay with fibrous Peat between 5.5m and 6.0m. 10.8m to 13.3mbgl Abbey Sand and Gravel Deposits comprising gravelly Sand. 13.3m+ Oxford Clay Formation	Water strike at 1.0mbgl, in Tidal Flat Deposits	-
HAH1	GL to 0.4m Topsoil 0.4m+ Tidal Flat Deposits comprising slightly sandy slightly clayey Silt.	-	-
HAH2	GL to 0.5m Topsoil 0.5m+ Tidal Flat Deposits comprising Silt / slightly sandy silty Clat / Slightly sandy Silt.	-	-
HAH3	GL to 0.2m Topsoil 0.2m+ Tidal Flat Deposits comprising slightly sandy slightly clayey Silt.	-	-

In summary, encountered ground conditions typically comprised a mantle of Topsoil (locally reworked with inclusions of brick / glass) underlain by Tidal Flat Deposits. The Tidal Flat Deposits were predominantly fine grained when first encountered, either described as clay or silt, with variable sand content. Within some exploratory hole locations fibrous Peat and fibrous reed-type organic vegetation was noted locally, albeit not extensively throughout the lateral / vertical profile of the Tidal Flat Deposits. The cable percussive boreholes on the wider site indicate the Tidal Flat Deposits to become predominantly granular below 10.4m to 10.8mbgl, being described as silty Sand with variable gravel content. The Oxford Clay Formation was encountered at between 12.4m and 13.3mbgl, described as very stiff slightly gravelly Clay.

3.3 Groundwater Conditions

During the intrusive works, groundwater strikes were consistently noted within the Tidal Flat Deposits at around 1mbgl, with running sand / silt noted locally within the unit. These observations, in combination with the flooded response zones subsequently recorded in constructed monitoring boreholes (see Section 3.4), indicate the pores of the cohesive Tidal Flat Deposits are saturated.

3.4 Ground Gas Conditions

Combined gas and groundwater monitoring standpipes were installed at locations WS1, WS3, WS7, WS9, WS10, WS14, WS17, WS18 and WS21 – each targeting the Tidal Flat Deposits. The standpipes were each monitored on 6 No. occasions between 27 March 2019 and 29 April 2019, see Table 4.

Table 4. Summary of Gas Monitoring Events

Visit Number	Date	Atmospheric Pressure (mb)
1	27 March 2019	1034, rising
2	4 April 2019	993, falling
3	11 April 2019	1027, rising
4	17 April 2019	1019, rising
5	24 April 2019	992, falling
6	29 April 2019	1027, rising

Per Table 4, of the 6 No. visits completed, two targeted low (<1000mb) and falling pressure events.

Recorded groundwater levels during the monitoring events are summarised in Table 5. With respect to ground gas, response zones are generally acknowledged to be flooded (or at least partially flooded) if water levels are recorded within 0.5m of the top of the slotted response zone. With the exception of WS18, all borehole response zones were recorded to be flooded during all monitoring events. As per the observations during the intrusive works (see Section 3.3), this is a result of prevailing ground / groundwater conditions and could not reasonably be avoided whilst attempting to collect gas monitoring data from the Tidal Flat Deposits.

Table 5. Encountered Groundwater Conditions

Exploratory Hole ID	Groundwater Observations - Intrusive Works	Standpipe Response Zone (RZ) Details	Groundwater Level - Monitoring Events					
			27/3/19 Visit 1	4/4/19 Visit 2	11/4/19 Visit 3	17/4/19 Visit 4	24/4/19 Visit 5	29/4/19 Visit 6
WS1	Strike at 1mbgl, in TFD	1.0m to 4.0m, targeting TFD inc. Peat	0.67	0.86	0.93	0.80	1.05	1.04
WS3		1.0m to 4.0m, targeting TFD	0.92	0.92	0.93	0.88	0.89	1.02
WS7		1.0m to 4.0m, targeting TFD	0.67	0.70	0.53	0.02	0.83	0.90
WS9		1.0m to 4.0m, targeting TFD inc. Peat	0.02	0.06	0.06	0.02	0.07	0.08
WS10		1.0m to 3.0m, targeting TFD inc. Peat	0.74	0.78	0.78	0.76	0.86	0.92
WS14		1.0m to 4.0, targeting TFD	0.83	0.74	1.10	0.78	1.05	1.02
WS17		1.0m to 4.0m, targeting TFD inc. Peat	0.81	1.24	1.10	0.83	1.08	1.00
WS18		0.5m to 4.0m, targeting TFD inc. Peat	1.52	0.67	1.05	1.21	1.04	1.04
WS21		0.5m to 4.0m, targeting TFD inc. Peat	0.99	0.65	0.53	0.96	0.50	0.92
Notes: TFD – Tidal Flat Deposits. Shaded data sets indicate a response zone which is flooded or partially flooded (<0.5m unsaturated zone).								

UK Guidance is clear that gas monitoring data obtained from flooded response zones is unlikely to be representative of the gas regime in the unsaturated zone and should not be used to assess gas risk at a site. Regardless, gas monitoring was completed – information relating to which is summarised as follows:

- Table 6: Flow Rates;
- Table 7: Methane Concentrations;
- Table 8: Carbon Dioxide Concentrations; and
- Table 9: Oxygen Concentrations.

Table 6. Summary of Gas Monitoring Information, Flow (l/hr)

Exploratory Hole ID	Peak Flow (l/hr)	Steady Flow (l/hr)	Peak Flow (l/hr)	Steady Flow (l/hr)	Peak Flow (l/hr)	Steady Flow (l/hr)	Peak Flow (l/hr)	Steady Flow (l/hr)	Peak Flow (l/hr)	Steady Flow (l/hr)	Peak Flow (l/hr)	Steady Flow (l/hr)
	27/3/19 Visit 1		4/4/19 Visit 2		11/4/19 Visit 3		17/4/19 Visit 4		24/4/19 Visit 5		29/4/19 Visit 6	
WS1	1.7	<0.1	9.4	<0.1	15.9	<0.1	3.0	<0.1	11.0	<0.1	11.5	<0.1
WS3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	n/m	n/m	<0.1	<0.1	<0.1	<0.1
WS9	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m
WS10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS14	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Notes:												
n/m – Not Monitored, full length of standpipe saturated.												
Shaded data sets indicate a response zone which is flooded or partially flooded (<0.5m unsaturated zone).												
Shaded data sets indicate flow >1l/hr												

Table 7. Summary of Gas Monitoring Information, Methane (%v/v)

Exploratory Hole ID	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)	Peak CH ₄ (%v/v)	Steady CH ₄ (%v/v)
	27/3/19 Visit 1		4/4/19 Visit 2		11/4/19 Visit 3		17/4/19 Visit 4		24/4/19 Visit 5		29/4/19 Visit 6	
WS1	51.2	51.2	82.8	82.8	83.2	82.3	84.1	84.1	80.9	80.9	83.4	83.3
WS3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	n/m	n/m	<0.1	<0.1	<0.1	<0.1
WS9	n/n	n/m	n/n	n/m	n/n	n/m	n/n	n/m	n/n	n/m	n/n	n/m
WS10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Notes:												
n/m – Not Monitored, full length of standpipe saturated.												
Shaded data sets indicate a response zone which is flooded or partially flooded (<0.5m unsaturated zone).												
Shaded data sets indicate methane >1%v/v												

Table 8. Summary of Gas Monitoring Information, Carbon Dioxide (%v/v)

Exploratory Hole ID	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)	Peak CO ₂ (%v/v)	Steady CO ₂ (%v/v)
	27/3/19 Visit 1	4/4/19 Visit 2	11/4/19 Visit 3	17/4/19 Visit 4	24/4/19 Visit 5	29/4/19 Visit 6						
WS1	11.3	11.3	14.5	14.5	14.2	14.2	14.7	14.7	13.7	13.7	14.0	14.0
WS3	0.4	0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
WS7	1.6	1.6	0.5	0.5	0.3	0.3	n/m	n/m	0.2	<0.1	0.1	0.1
WS9	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m
WS10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
WS14	<0.1	<0.1	0.7	0.6	0.3	0.2	0.3	0.2	0.1	<0.1	<0.1	<0.1
WS17	0.2	<0.1	0.6	0.6	0.9	0.9	0.2	0.2	1.0	1.0	1.5	1.4
WS18	0.8	0.8	<0.1	<0.1	0.5	0.1	0.4	0.4	1.1	1.1	1.3	1.3
WS21	0.1	0.1	0.6	<0.1	0.1	<0.1	0.1	<0.1	0.5	<0.1	1.6	1.6
Notes: n/m – Not Monitored, full length of standpipe saturated. Shaded data sets indicate a response zone which is flooded or partially flooded (<0.5m unsaturated zone). Shaded data sets indicate carbon dioxide >5%v/v												

Table 9. Summary of Gas Monitoring Information, Oxygen (%v/v)

Exploratory Hole ID	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)	Peak O ₂ (%v/v)	Steady O ₂ (%v/v)
	27/3/19 Visit 1	4/4/19 Visit 2	11/4/19 Visit 3	17/4/19 Visit 4	24/4/19 Visit 5	29/4/19 Visit 6						
WS1	7.4	7.4	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.2	0.2
WS3	20.1	20.3	20.6	20.6	20.0	20.5	20.7	20.7	20.2	20.2	20.6	20.8
WS7	19.1	19.1	20.4	20.4	20.3	20.3	n/m	n/m	19.8	20.0	20.4	20.4
WS9	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m
WS10	20.1	20.1	21.3	21.5	20.7	20.6	21.0	21.0	20.6	20.6	20.7	20.8
WS14	20.0	20.0	21.1	21.1	20.7	20.6	20.6	20.6	20.6	20.7	20.7	20.8
WS17	20.6	20.9	20.8	20.8	20.2	20.2	20.8	20.8	19.9	19.9	19.2	19.2
WS18	20.2	20.2	21.4	21.4	20.8	21.1	20.3	20.3	19.4	19.4	19.4	19.4
WS21	19.6	19.6	20.1	21.0	20.5	20.7	20.1	20.1	19.4	20.1	18.8	18.8
Notes: n/m – Not Monitored, full length of standpipe saturated. Shaded data sets indicate a response zone which is flooded or partially flooded (<0.5m unsaturated zone). Shaded data sets indicate oxygen <10%v/v												

WS1 is located on the site area to which this report pertains. Per Table 6, during the gas monitoring visits, peak flow rates in WS1 were recorded up to 15.9l/hr. Also, in WS1, elevated methane (Table 7, peak 84.1%v/v) and carbon dioxide (Table 8, peak 14.7%v/v) was recorded, in combination with depleted oxygen (Table 9, minimum 0.1%v/v). Review of the GeoDyne,2019 exploratory hole log sheets indicates that the ground gas regime recorded in WS1 is likely associated with increased and/or shallower organic content at this location relative to the other monitoring locations.

Consistent with the ground gas source in WS1 being organic material within the Tidal Flat Deposits, there is no evidence of any sustained gas generation under pressure at the WS1 location, with GeoDyne reporting that even the highest flow rate recorded (15.9l/hr, 11 April 2019) reduced to a steady flow of <0.1l/hr within 45 seconds of monitoring.

It is well established that data quality issues arise in gas monitoring wells where there is limited headspace and/or where there is potential for organic material to accumulate in groundwater within the well and/or where organic material can collect at the base of the well and/or where there is potential for dissolved methane / carbon dioxide in groundwater to come out of solution in response to groundwater level / pressure changes.

The above is why gas monitoring data sets in saturated, organic ground conditions do not provide a good indicator of gas risk and why UK guidance states that such data sets should not be used to inform the assessment of gas risk.

Given the number of monitoring wells installed as part of the GeoDyne,2019 works, and the number of flooded response zones subsequently observed, it is considered that these boreholes represent prevailing ground / ground water conditions and attempts to install further response zones will result in the same data quality issues.

Recognising the above, CL:AIRE Research Bulletin 17 ⁴ outlines a position whereby if it is demonstrated that the main source of ground gas is naturally occurring organic material (e.g. Alluvium, Peat etc.), it is acceptable to elect to install ground gas mitigation measures which are commensurate with a Characteristic Situation 2 (CS2) scenario per BS8485:2015+A1:2019 – instead of / in lieu of, attempting further gas monitoring.

Subject to confirmation of ground conditions on site, the above is the approach which will be adopted, i.e. CS2 mitigation to be provided to all proposed 7 No. properties, incorporating a gas resistant membrane in combination with provision of passive sub-slab venting.

⁴ CL:AIRE Research Bulletin 17 – A Pragmatic Approach to Ground Gas Risk Assessment. Card, Wilson and Mortimer. November 2012.

3.5 Contamination

Chemical testing of representative soil samples completed by GeoDyne,2019 included analysis for metals, Poly Aromatic Hydrocarbons and Speciated Total Petroleum Hydrocarbons (TPH) plus a pesticide and herbicide screen and asbestos screen. Except for some slightly elevated TPH fractions within the immediate proximity of some former fuel tanks, none of the determinants were recorded at concentration which exceeded adopted Human Health Generic Assessment Criteria based on a 'Residential with Plant Uptake' end use.

With regard to the fuel tanks, these are not considered to be a credible source of on-going contamination at the development area to which this report pertains on the basis that:

- GeoDyne,2019 recommended removal of the former fuel tanks and any locally impacted TPH soils identified in their proximity (i.e. the primary source of contamination has been removed); and
- The fuel tanks were located 100m south-west of the development site, with the intervening geology comprising fine-grained cohesive, saturated Tidal Flat Deposits (i.e. there is no viable pathway for migration).

Following removal of the fuel tanks and any local TPH impacts, GeoDyne,2019 indicated that risks to Controlled Waters were Low, recognising the low levels of contamination encountered and noting that the fine-grained cohesive nature of the Tidal Flat Deposits will limit lateral / vertical migration pathways. MEC concur with this position.

4 Preliminary Conceptual Site Model

In summary:

- The PRA indicates the site was previously occupied by Greenhouse structures associated with the wider Millfield Nursery site. Consistent with this site history, previous investigations did not identify any gross contamination which would likely pose an unacceptable risk to future residential occupants and/or Controlled Waters.
- After the Nursery closed the Greenhouses were demolished and the wider area developed with residential houses.
- The area of the former Nursery to which this report pertains was used for materials storage during the adjacent development works. It is possible that the use of the site for materials storage has increased the thickness / changed the composition of any Made Ground present. This is a data information gap which needs to be resolved, see Section 5.
- Below the Made Ground, Tidal Flat Deposits are present, which locally include Peat and/or organic material. The Peat / organic material is a potential source of ground gas.
- Previous attempts to install ground gas monitoring boreholes into the Tidal Flat Deposits have recorded flooded response zones which impact data quality. Due to prevailing ground / groundwater conditions, further attempts to install gas monitoring wells on site are likely to encounter the same issue.
- Recognising the above, and subject to confirmation of the thickness / composition of any Made Ground present on site (see Section 5), it is reasonable to assume that the main source of any ground gas is the naturally occurring organic material (e.g. Alluvium, Peat etc.) within the Tidal Flat Deposits.
- Per the approach outlined by CL:AIRE Research Bulletin 17, instead of attempting further gas monitoring, ground gas mitigation measures which are commensurate with a Characteristic Situation 2 (CS2) scenario per BS8485:2015+A1:2019 will be provided to all proposed 7 No. properties, comprising provision of a gas resistant membrane in combination with passive sub-slab venting.

A pictorial representation of the Preliminary Conceptual Site Model is presented as Figure 4.

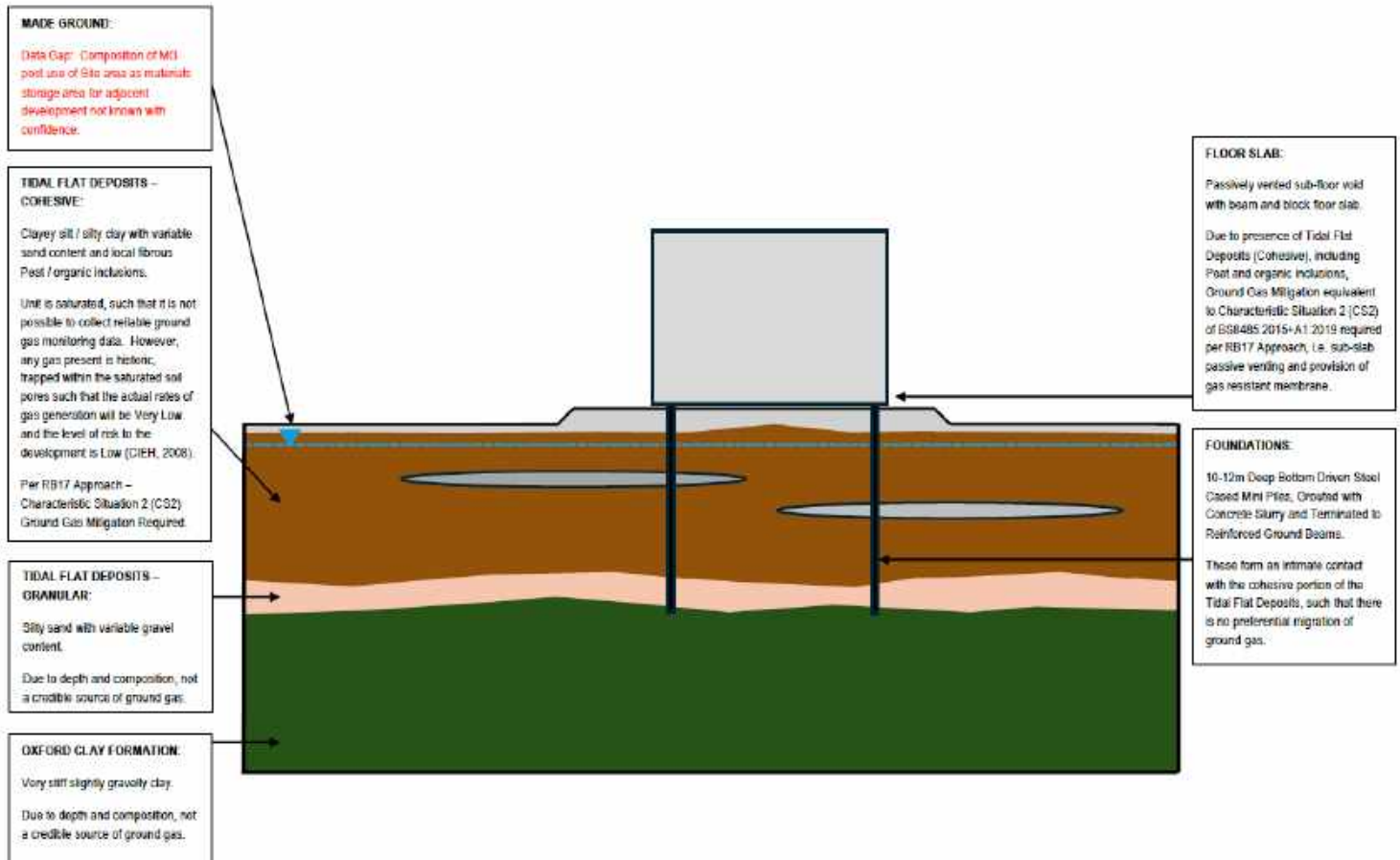


Figure 4. Pictorial Representation of Preliminary Conceptual Site Model

5 Further Works

As discussed in previous sections of this report, most recently the site has been used for materials storage associated with the adjacent residential development of the wider former Millfield Nursery. It is possible that this site usage will have increased and/or changed the composition of the Made Ground, which is recognised via the Preliminary Conceptual Site Model as a data information gap.

To resolve the above, the following intrusive work will be completed:

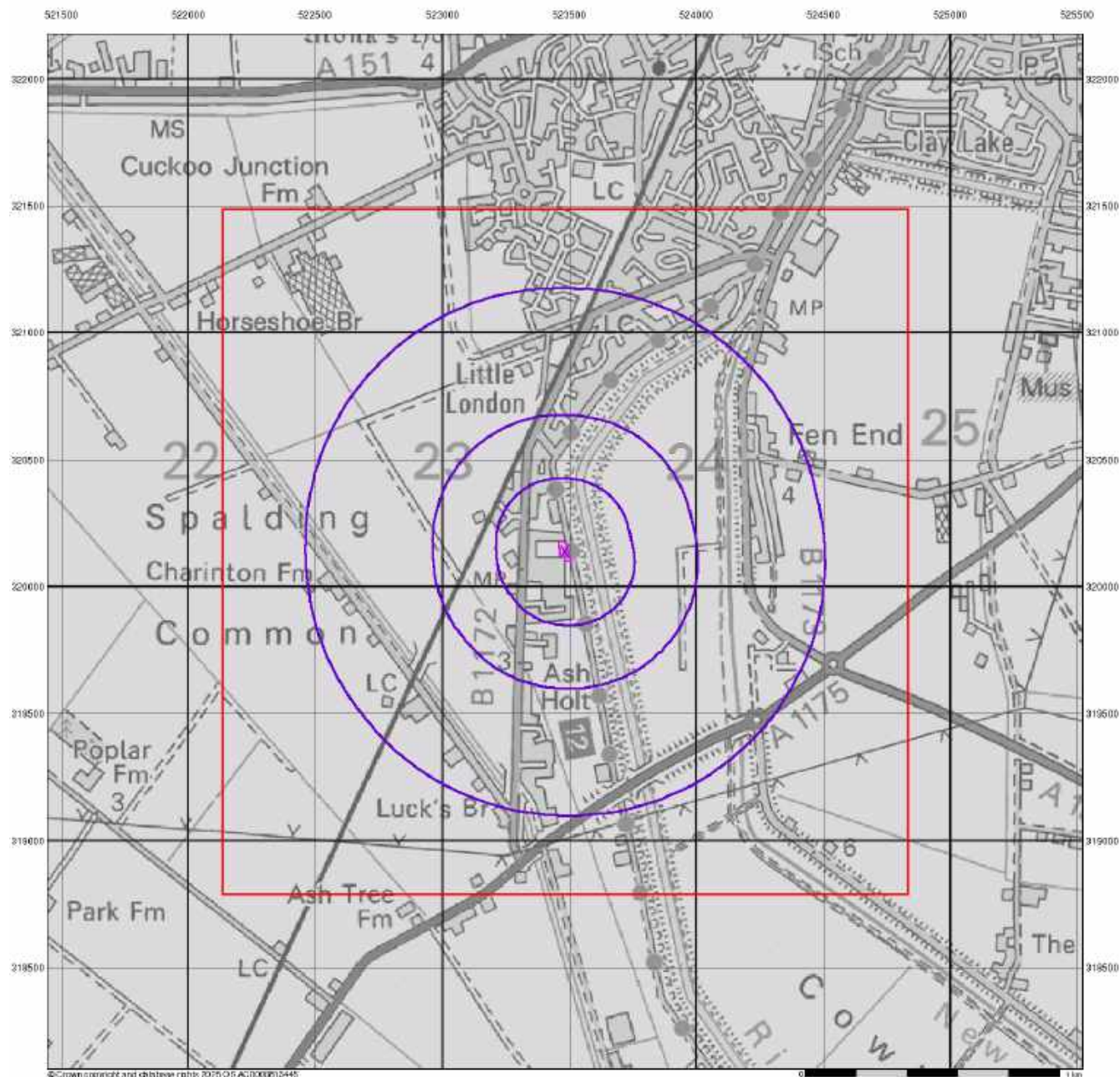
- At each proposed Plot location (7 No.) a mechanical trial pit to be excavated, these distributed to provide good coverage of the development area, each trial pit extended to prove 1m of natural geology.
- All trial pit locations to be and logged in general accordance with BS 5930:2015+A1:2020, with representative photos of the soil arisings obtained.
- Representative soil samples to be obtained from each trial pit excavation - comprising near surface sample (0.1-0.3m depth), mid depth sample (~0.5-0.8m) and at 0.5m intervals thereafter to termination depth of excavation and proven 1m of natural geology.
- All near surface and mid depth soil samples to be submitted for a soil suite of testing including metals, Speciated PAH's (16 EPA), Speciated TPH's (CWG Carbon Bands), pH, Total Organic Carbon, Soil Organic Matter and asbestos screen (with determination / quantification if any positive detects).
- All 0.5m increment samples of Made Ground to termination depth to be additionally tested for TOC (WAC Method).

Information relating to the above is to be provided as a Factual Report, for review and interpretation by MEC via preparation of a Phase 2 Interpretative Site Investigation Report. This document to include specific provisions with respect to the requirements for the CS2 ground gas mitigation.

6 Regulatory Approvals

It is the responsibility of the Client (or their appointed Planning Consultant) to submit a copy of this 'Phase 1 – Preliminary Risk Assessment', for review, comment and approval to the Local Authority (as/if required per Planning Conditions) and any development Warranty Provider.

Appendix A – Envirocheck Report



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

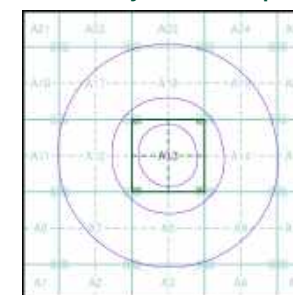
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

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

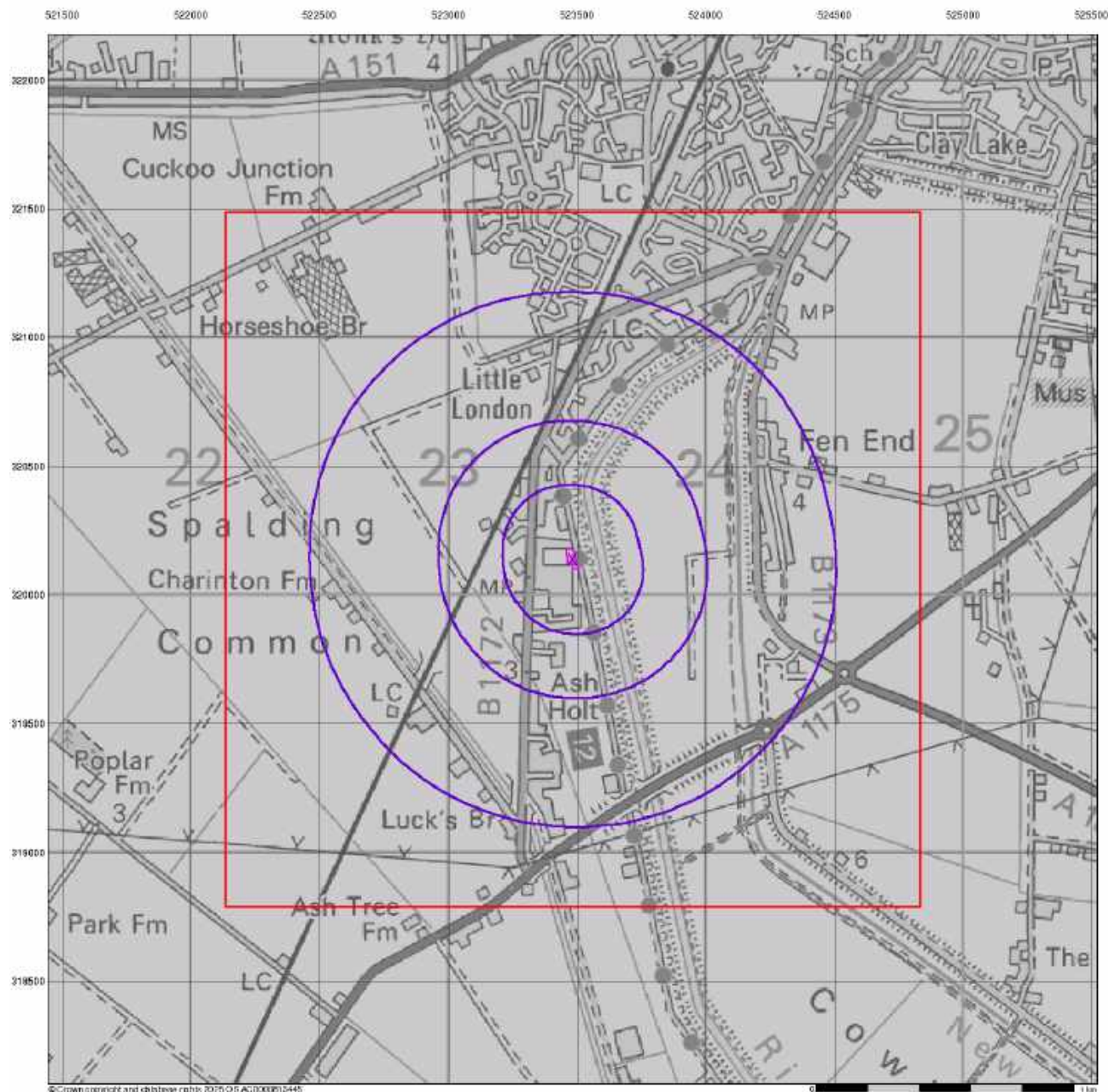


Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire



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0 1 km

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Bedrock Aquifer Designation

General

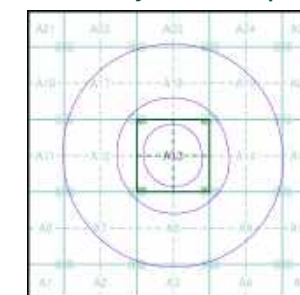
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

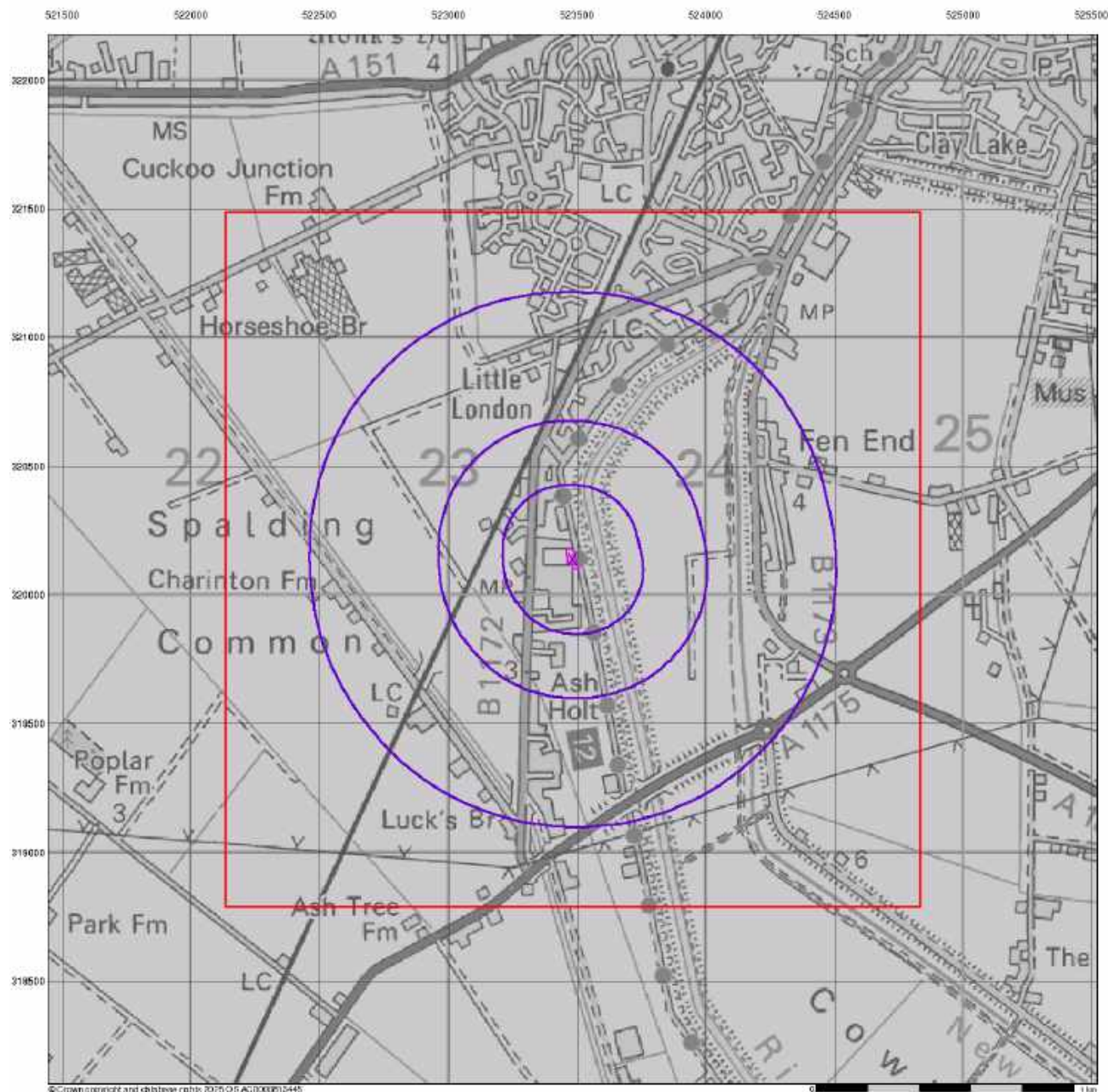
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 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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



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Superficial Aquifer Designation

General

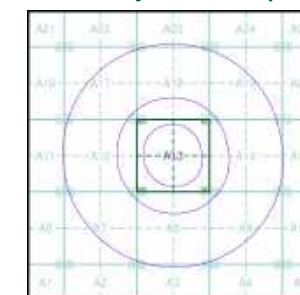
- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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

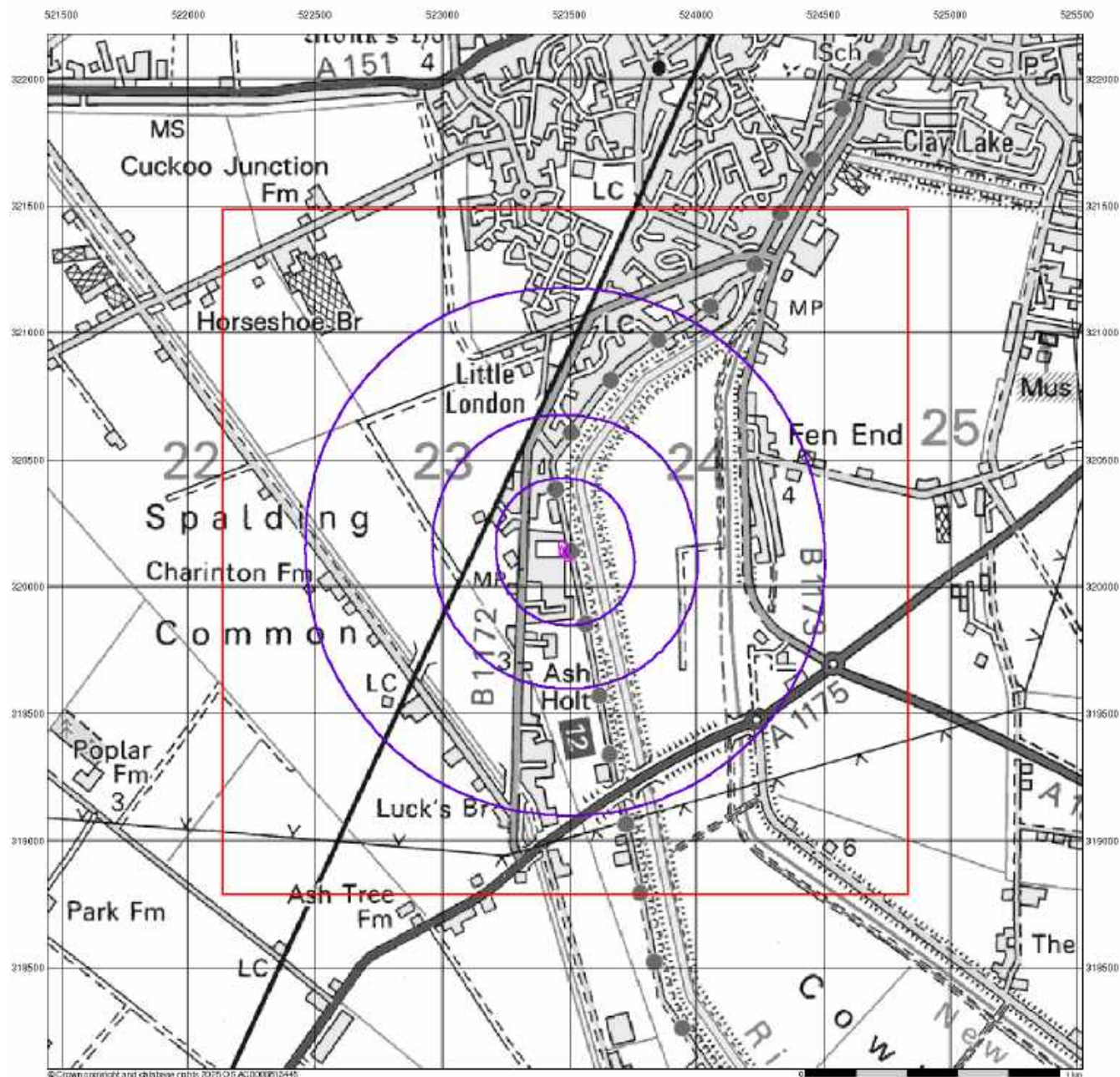
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 Site Area (Ha): 0.22
 Search Buffer (m): 1000

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Source Protection Zones

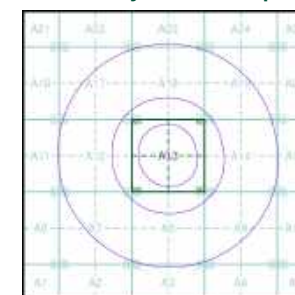
General

- ◇ 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

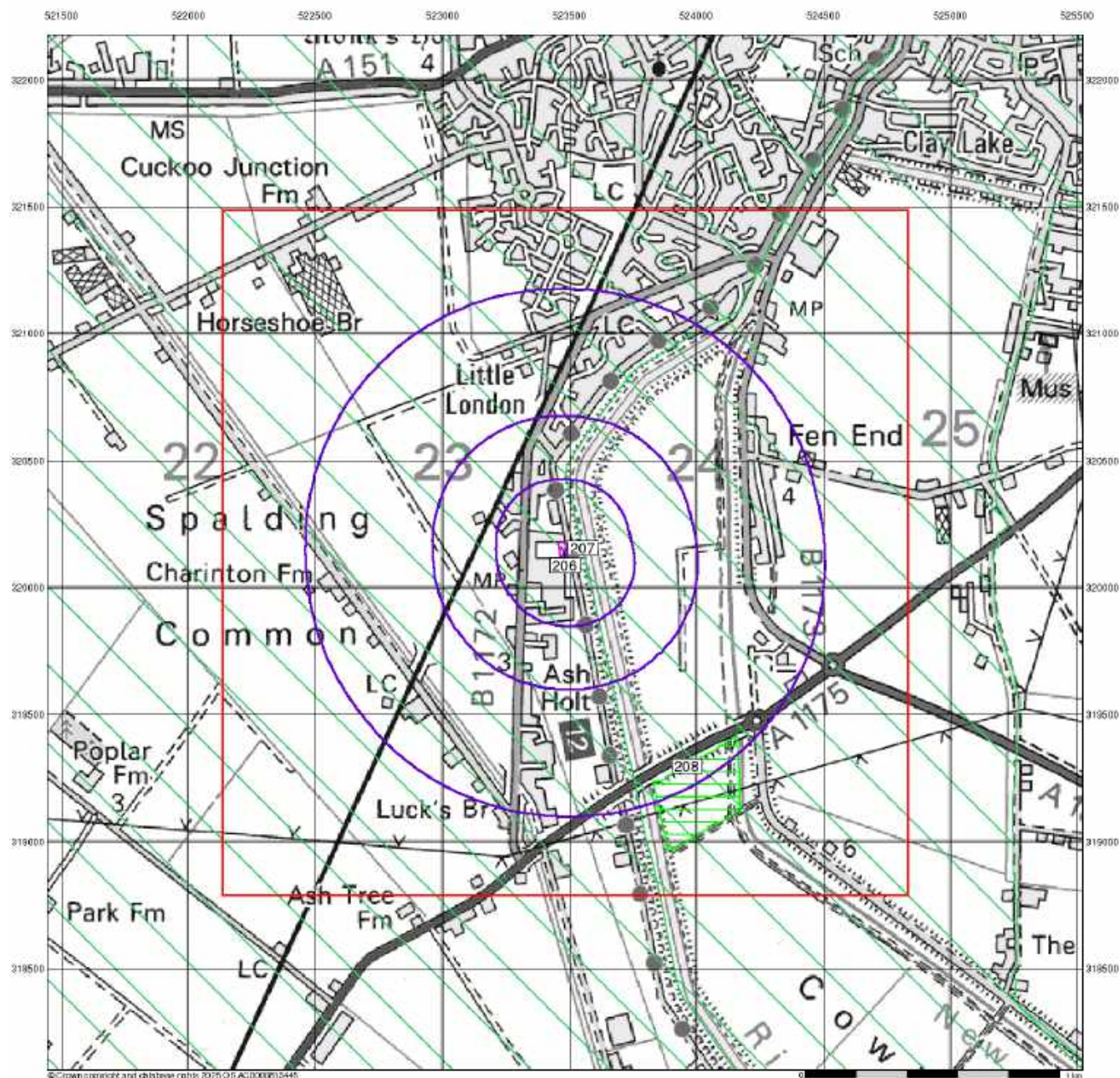


Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

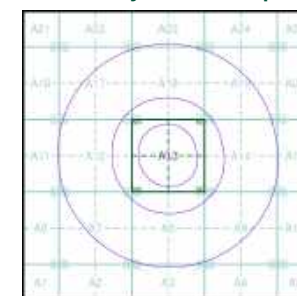
General

- 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

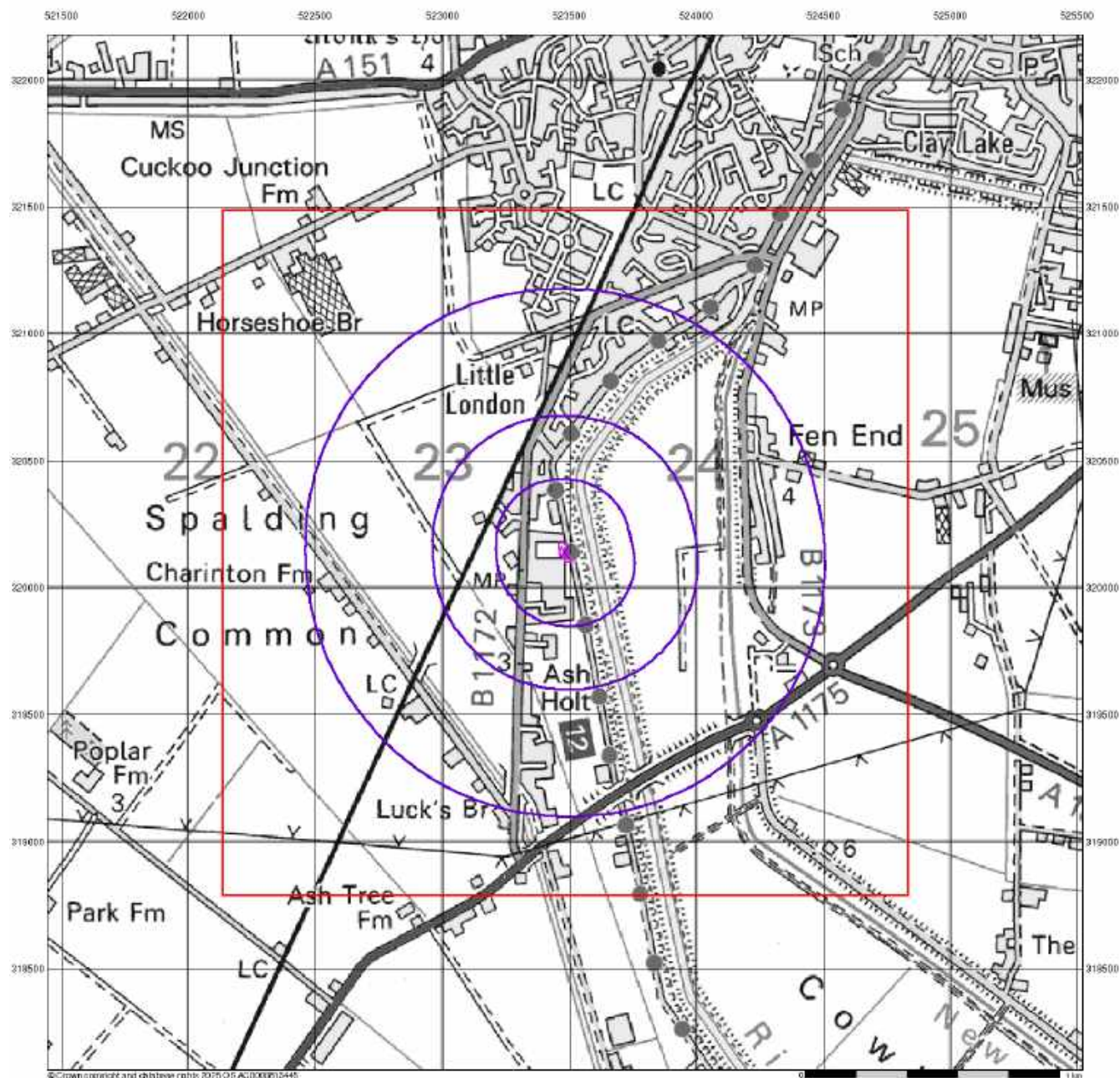


Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

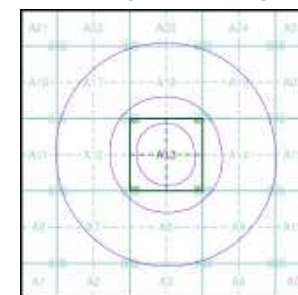
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

374132749_1_1

Customer Reference:

Cradge Bank

National Grid Reference:

523480, 320140

Slice:

A

Site Area (Ha):

0.22

Search Buffer (m):

1000

Site Details:

Scenic Homes Development Site
Land Adjacent to 199 Cradge Bank
Spalding
Lincolnshire

Client Details:

Ms S Mortimer
MEC Environmental Limited
Blackburn Technology Management Centre
Challenge Way
Greenbank Technology Park
Blackburn
Lancashire
BB1 5QB

Report Section	Page Number
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Introduction

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

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Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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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					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		12
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		1	3	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4	Yes			
Pollution Incidents to Controlled Waters	pg 5		1		3
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5	1			2 (*37)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	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	pg 16		Yes	n/a	n/a
Flood Defences	pg 16		Yes	n/a	n/a
OS Water Network Lines	pg 16	1	14	29	101
Water Framework Directive - Catchment	pg 32	Yes	Yes		
Water Framework Directive - Groundwater					
Water Framework Directive - Surface Waters					

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 33	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 33		1		
Potentially Infilled Land (Water)	pg 33				4
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					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 34	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 34	Yes			
BGS Recorded Mineral Sites	pg 34			1	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
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 34	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 34	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 34	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 35	Yes	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
Industrial Land Use					
Contemporary Trade Directory Entries	pg 36		1	6	16
Fuel Station Entries	pg 38				1
Points of Interest - Commercial Services	pg 38				12
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 39		6	2	7
Points of Interest - Public Infrastructure	pg 40			2	1
Points of Interest - Recreational and Environmental	pg 40			1	
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 41	1	1		
Ramsar Sites					
Sites of Special Scientific Interest	pg 41				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Mr K A Hayhurst Property Type: Domestic Property (Single) Location: Spalding Common No.42 Spalding Common, Spalding, Lincolnshire, Pe11 3au Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf02525 Permit Version: 1 Effective Date: 24th April 1990 Issued Date: 24th April 1990 Revocation Date: 23rd July 1997 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Land Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (S)	210	1	523420 319900
2	Discharge Consents Operator: Mr. J. Wilcock Property Type: Not Supplied Location: House At Cradge Bank Road, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3885 Permit Version: 1 Effective Date: 23rd March 1983 Issued Date: 23rd March 1983 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Land Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	623	1	523500 320800
3	Discharge Consents Operator: Mr. D.J. Fisher Property Type: Not Supplied Location: Mobile Home Lillendell Nurseries, Spalding Common, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3848 Permit Version: 1 Effective Date: 1st September 1982 Issued Date: 1st September 1982 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Land Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	767	1	522900 319600
3	Discharge Consents Operator: D J & L R Fisher Property Type: Not Supplied Location: West Road, Spalding Common Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3343 Permit Version: 1 Effective Date: 27th July 1976 Issued Date: 27th July 1976 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Land Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	787	1	522910 319560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Mr. & Mrs. S.R. Tidswell Property Type: Not Supplied Location: House Adj 18 Fen End Lane, Spalding, Lincs., Pe12 6ad Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3903 Permit Version: 1 Effective Date: 3rd August 1983 Issued Date: 3rd August 1983 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	773	1	524210 320450
5	Discharge Consents Operator: Mr & Mrs J Pestell Property Type: Domestic Property (Single) Location: Comfrey Cottage The Raceground, Spalding, Lincolnshire, Pe11 3ap Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Pmnf12781 Permit Version: 1 Effective Date: 20th June 2002 Issued Date: 13th August 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Hill'S Drain 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	A18NW (N)	789	1	523415 320964
6	Discharge Consents Operator: Mr Ian Pollard Property Type: Domestic Property (Single) Location: Mill View, The Raceground, Spalding, Lincolnshire, Pe11 3ap Authority: Environment Agency, Anglian Region Catchment Area: Unknown Reference: Eprtb3091ef Permit Version: 1 Effective Date: 20th November 2020 Issued Date: 20th November 2020 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Hill'S Drain Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	806	1	523497 320983
7	Discharge Consents Operator: Mr M Pratt Property Type: Not Supplied Location: Race Ground, Little London, Spalding, Pe11 3ap Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pm1f02327 Permit Version: 1 Effective Date: 14th February 1990 Issued Date: 14th February 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	839	1	523300 321000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Mr & Mrs L Martell Property Type: Domestic Property (Single) Location: Gladshiem Spalding Common, Spalding, Lincolnshire Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Pmnf18170 Permit Version: 1 Effective Date: 12th June 2004 Issued Date: 30th June 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Welland 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	A18NE (N)	847	1	523570 321020
9	Discharge Consents Operator: Mrs Jane Bowman Property Type: Domestic Property (Single) Location: 8 South Drove, Spalding, Lincolnshire, Pe11 3bd Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd008042 Permit Version: 1 Effective Date: 2nd June 2009 Issued Date: 2nd June 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dyke To South Drove Drain 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	A12SW (W)	853	1	522617 320012
9	Discharge Consents Operator: Patric Darley Bowman Property Type: Domestic Property (Single) Location: Charinton Farm West Road, Spalding, Lincolnshire, Pe11 3bd Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pm1f01221 Permit Version: 1 Effective Date: 3rd July 1989 Issued Date: 3rd July 1989 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	887	1	522580 320040
10	Discharge Consents Operator: Mr. G. Smith Property Type: Not Supplied Location: House At Fen End Lane, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3822 Permit Version: 1 Effective Date: 1st March 1982 Issued Date: 1st March 1982 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	874	1	524240 320620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Mr D J & Mrs J M Twigg Property Type: Domestic Property (Single) Location: St Joseph'S House Barrier Bank, Cowbit Road, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5020 Permit Version: 1 Effective Date: 7th December 1984 Issued Date: 7th December 1984 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	885	1	524200 320700
12	Local Authority Pollution Prevention and Controls Name: S L Patterns Location: Spalding Common, Spalding, Lincolnshire, PE11 3AS Authority: South Holland District Council, Environmental Services Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	235	2	523327 320370
13	Local Authority Pollution Prevention and Controls Name: South Lincs Patterns Location: Spalding Common, Spalding, Lincolnshire, PE11 3AS Authority: South Holland District Council, Environmental Services Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	275	2	523273 320378
14	Local Authority Pollution Prevention and Controls Name: South Lincs Patterns Location: Spalding Common, Spalding Common, Spalding, Pe11 3as Authority: South Holland District Council, Environmental Services Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Authorised Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	288	2	523200 320300
14	Local Authority Pollution Prevention and Controls Name: South Lincs Patterns Location: Spalding Common, Spalding, Pe11 3as Authority: South Holland District Council, Environmental Services Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	288	2	523200 320300
15	Local Authority Pollution Prevention and Controls Name: Hope Cement Ltd Location: Cradge Bank, Spalding, PE11 3AB Authority: South Holland District Council, Environmental Services Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Located by supplier to within 100m	A18NE (N)	975	2	523800 321100
	Nearest Surface Water Feature	A13NE (E)	0	-	523494 320141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Sheep Location: Spalding District, SPALDING Authority: Environment Agency, Anglian Region Pollutant: Organic Wastes: Animal Carcasses Note: River Welland Incident Date: 15th February 1999 Incident Reference: 2791 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	27	1	523500 320200
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: IdB Drain Incident Date: 20th November 1992 Incident Reference: 1449 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	A18SW (N)	644	1	523300 320800
18	Pollution Incidents to Controlled Waters Property Type: Not Applicable Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Natural Note: New River Incident Date: 28th September 1998 Incident Reference: 2738 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Algal Bloom Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	717	1	524100 319700
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: South Drove Drain Incident Date: 22nd April 1993 Incident Reference: 1558 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	A8SW (S)	919	1	523300 319200
20	Water Abstractions Operator: R Chappell & Sons Licence Number: 5/31/14/*S/0020 Permit Version: 100 Location: R Welland & Drains, Cowbit Wash Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: 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 May Authorised End: 30 September Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	0	1	523500 320100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Water Abstractions Operator: W D Branton Licence Number: 5/31/14/*S/0158 Permit Version: 100 Location: South Drove Drain 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 June 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	650	1	522900 319800
22	Water Abstractions Operator: W D Branton Licence Number: 5/31/14/*s/158 Permit Version: Not Supplied Location: South Drove Drain Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 28 Yearly Rate (m3): 1200000 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	A12SW (W)	700	1	522800 319900
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/057 Permit Version: 1 Location: Point 'C' South Drove Drain, Horseshoe Road Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1151	1	522339 320436
	Water Abstractions Operator: J & L Boor Licence Number: 5/31/14/*S/0185 Permit Version: 101 Location: The New River At Cowbit 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 April Authorised End: 31 October Permit Start Date: 23rd February 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1176	1	524170 319130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Honourable R.F.J. Carington Licence Number: 5/31/14/*s/208 Permit Version: Not Supplied Location: South Drove Drain, DEEP ST JAMES Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NW (S)	1203	1	523400 318900
	Water Abstractions Operator: J And L D Boor Licence Number: 5/31/14/*S/0185 Permit Version: 103 Location: The New River At Cowbit 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 April Authorised End: 31 October Permit Start Date: 8th December 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1205	1	524184 319104
	Water Abstractions Operator: J & L Boor Licence Number: 5/31/14/*S/0185 Permit Version: 102 Location: The New River At Cowbit 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 April Authorised End: 31 October Permit Start Date: 18th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1205	1	524184 319104
	Water Abstractions Operator: Honourable R.F.J. Carington Licence Number: 5/31/14/*s/208 Permit Version: Not Supplied Location: Jordan's Drain, DEEP ST JAMES Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NW (S)	1208	1	523400 318895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Hon Rfj Carington Licence Number: 5/31/14/*s/233 Permit Version: Not Supplied Location: South Drove Drain, DEEPING ST NICHOLAS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Status: Temporary 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	A3NW (S)	1214	1	523300 318900
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'J' Fantail Mill Drain, Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1255	1	523611 318849
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'H' South Drove Drain At Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NW (S)	1277	1	523390 318827
	Water Abstractions Operator: E D & A D Cooke Ltd Licence Number: 5/31/14/*S/0190 Permit Version: 100 Location: Jordans Drain -Deeping St.Nich 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 October 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1334	1	522600 319100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'O' Jordan'S Drain, Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SE (SW)	1348	1	522403 319292
	Water Abstractions Operator: W D Branton Licence Number: 5/31/14/*S/0190 Permit Version: 102 Location: Jordans Drain -Deeping St Nicholas 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 April Authorised End: 31 October Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1350	1	522610 319070
	Water Abstractions Operator: E D & A D Cooke Ltd Licence Number: 5/31/14/*S/0190 Permit Version: 101 Location: Jordans Drain -Deeping St Nicholas 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 April Authorised End: 31 October Permit Start Date: 22nd December 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1350	1	522610 319070
	Water Abstractions Operator: The Hon Rfj Carington Licence Number: 5/31/14/*s/233 Permit Version: Not Supplied Location: Jordan's Drain, DEEPING ST NICHOLAS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Status: Temporary 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)	1407	1	522400 319200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: E.D & A.D. Cooke Bourne Ltd Licence Number: 5/31/14/*s/190 Permit Version: Not Supplied Location: Jordans Drain , DEEPING ST NICHOLAS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 10 Yearly Rate (m3): 663000 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	A6NW (W)	1460	1	522100 319600
	Water Abstractions Operator: Farrow Irrigation Ltd Licence Number: 5/31/14/**/089 Permit Version: Not Supplied Location: Bore At, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 54550 Details: South Lincolnshire Limestone; 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	A21SE (NW)	1538	1	522340 321230
	Water Abstractions Operator: Mr W R P Farrow Licence Number: 5/31/14/*g/088 Permit Version: Not Supplied Location: Borehole, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 2 Yearly Rate (m3): 4610 Details: South Lincolnshire Limestone; 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	A21SE (NW)	1547	1	522300 321200
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'I' South Drove Drain, Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1601	1	523486 318499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/057 Permit Version: 1 Location: Point 'D' South Drove Drain, Horseshoe Road Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1610	1	522012 320878
	Water Abstractions Operator: Clay Lake Farm Limited Licence Number: 5/31/14/*s/177 Permit Version: Not Supplied Location: Exeter Drain , COWBIT FEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 3000000 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	A15NE (E)	1623	1	525100 320400
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'K' Fantail Mill Drain, Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1638	1	523742 318479
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/057 Permit Version: 1 Location: Point 'B' Jordan'S Drain, Horseshoe Road Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1638	1	521835 319941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Clay Lake Farm Limited Licence Number: 5/31/14/*s/177 Permit Version: Not Supplied Location: Clowacre Drain , COWBIT FEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 3000000 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	A20SE (E)	1643	1	525100 320495
	Water Abstractions Operator: Clay Lake Farm Limited Licence Number: 5/31/14/*s/177 Permit Version: Not Supplied Location: Exeter Drain , COWBIT FEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 3000000 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	(E)	1767	1	525200 319600
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163b Permit Version: Not Supplied Location: Clowacre Drainage System, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 8 Yearly Rate (m3): 4000000 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	(E)	1769	1	525200 319595
	Water Abstractions Operator: G. R. N. Bell Licence Number: 5/31/14/*s/030 Permit Version: Not Supplied Location: South Drove Drain, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 5 Yearly Rate (m3): 409140 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	(S)	1800	1	523500 318300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Florapak Ltd Licence Number: 5/31/14/*s/137 Permit Version: Not Supplied Location: Drain & Spoil Pits, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 114000 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	(N)	1865	1	524200 321900
	Water Abstractions Operator: C Slooten Ltd Licence Number: 5/31/14/*S/0113 Permit Version: 100 Location: R Welland (Coronation Channel) Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: 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 September Authorised End: 31 October Permit Start Date: 1st February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1887	1	524600 321700
	Water Abstractions Operator: Clay Lake Farm Limited Licence Number: 5/31/14/*s/177 Permit Version: Not Supplied Location: Clowacre Drain , COWBIT FEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 3000000 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	(NE)	1899	1	525200 320995
	Water Abstractions Operator: Farrow Irrigation Ltd Licence Number: 5/31/14/**/089 Permit Version: Not Supplied Location: South Drove Drain, SPALDING Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 46000 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	A16NW (NW)	1900	1	521800 321100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Honourable R.F.J. Carington Licence Number: 5/31/14/*s/208 Permit Version: Not Supplied Location: South Drove Drain , DEEP ST JAMES Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1902	1	523600 318200
	Water Abstractions Operator: Honourable R.F.J. Carington Licence Number: 5/31/14/*s/208 Permit Version: Not Supplied Location: Jordan's Drain, DEEP ST JAMES Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 40 Yearly Rate (m3): 1100000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1907	1	523600 318195
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Farm Drain (Drain Bank), COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 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	(SE)	1919	1	525200 319200
	Water Abstractions Operator: W D Branton Licence Number: An/031/0014/054 Permit Version: 1 Location: Point 'L' South Drove Drain, Ashtree Farm Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation 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: 18th August 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1952	1	523589 318150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A. H. Carter Licence Number: 5/31/14/*s/004 Permit Version: Not Supplied Location: North Drove Drain, DEEPING ST NICHOLAS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 18 Yearly Rate (m3): 863740 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	(SW)	1964	1	522500 318400
	Water Abstractions Operator: R F J Carington Licence Number: 5/31/14/*S/0233 Permit Version: 101 Location: Jordan'S Drain, Deeping St N. 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: Temporary Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	2000	1	523500 318100
	Water Abstractions Operator: R F J Carington Licence Number: 5/31/14/*S/0233 Permit Version: 101 Location: South Drove Drain, Deeping St N 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: Temporary Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	2000	1	523500 318100
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NW (NE)	0	1	523482 320138
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (NE)	0	3	523482 320138
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (NE)	0	3	523482 320138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 (NE)	0	1	523482 320138
	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	A13NW (NE)	0	1	523482 320138
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas Type: Flood Water Storage Areas Reference: Not Supplied	A13NE (E)	139	1	523631 320171
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (E)	54	1	523548 320153
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (E)	142	1	523635 320171
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 300.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (E)	0	4	523495 320141
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 541.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A13NE (E)	13	4	523507 320144
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (N)	34	4	523480 320211
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7054.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Catchment Name: Welland Primacy: 1	A13NE (E)	109	4	523602 320161
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	125	4	523378 320271
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (W)	129	4	523331 320142

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	136	4	523334 320224
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (W)	151	4	523309 320143
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1869.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soke Dyke Catchment Name: Welland Primacy: 2	A13NE (E)	155	4	523648 320174
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 262.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (W)	157	4	523307 320102
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 234.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	164	4	523668 320118
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A13NW (N)	210	4	523453 320387
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A13NW (N)	217	4	523452 320393
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	219	4	523304 319973
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (S)	227	4	523552 319877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A13SE (S)	251	4	523569 319857
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 556.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A13SE (S)	257	4	523569 319851
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 243.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (S)	275	4	523510 319824
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (S)	277	4	523561 319828
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	277	4	523197 320267
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	281	4	523322 319870
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (SE)	283	4	523711 319906
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (S)	288	4	523564 319817
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	293	4	523321 319856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	300	4	523194 320313
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (W)	312	4	523155 320235
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (W)	315	4	523145 320152
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 472.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	329	4	523621 320477
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A18SW (N)	336	4	523453 320513
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	336	4	523319 319806
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 639.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A18SW (N)	342	4	523456 320519
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 692.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A13SW (SW)	360	4	523157 319934
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (SW)	363	4	523132 319974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (W)	380	4	523092 320040
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: Underground Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (W)	383	4	523088 320045
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (W)	388	4	523080 320057
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 351.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SE (W)	391	4	523077 320063
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 171.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (W)	391	4	523076 320065
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12SE (W)	391	4	523077 320063
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (E)	398	4	523898 320159
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 286.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (SE)	431	4	523911 319955
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 398.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	440	4	523687 320568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12NE (W)	476	4	522986 320211
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NE (S)	483	4	523605 319627
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 424.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Railway Delph Drain Catchment Name: Welland Primacy: 2	A18SW (N)	511	4	523392 320683
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12NE (W)	511	4	522956 320259
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12NE (W)	519	4	522950 320269
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1239.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	530	4	523074 319762
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 591.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (NW)	540	4	523236 320667
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NW (SE)	562	4	523937 319740
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NE (SE)	569	4	523778 319600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	577	4	523396 320750
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 447.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A14NW (E)	609	4	524112 320157
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A14SW (E)	610	4	524114 320082
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (E)	610	4	524114 320082
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (SE)	678	4	524115 319803
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A14SW (SE)	689	4	524129 319808
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	697	4	523651 319418
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 286.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	699	4	524204 320108
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A12NE (NW)	704	4	522823 320475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	705	4	523651 319410
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	707	4	522888 319712
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1562.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: South Drove Drain Catchment Name: Welland Primacy: 1	A7NE (SW)	707	4	522888 319712
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 995.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: South Drove Drain Catchment Name: Welland Primacy: 1	A7NE (SW)	707	4	522888 319712
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 738.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A19SW (NE)	709	4	524102 320529
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	709	4	524102 320529
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 299.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A9NW (SE)	713	4	524133 319762
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NW (SE)	713	4	524133 319762
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 520.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hill's Drain Catchment Name: Welland Primacy: 2	A18NW (N)	738	4	523187 320862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18NW (N)	738	4	523187 320862
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hill's Drain Catchment Name: Welland Primacy: 2	A18NW (N)	738	4	523197 320866
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 155.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	744	4	522868 319678
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 600.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	745	4	522872 319671
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18NW (N)	746	4	523294 320904
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A8SW (S)	748	4	523433 319354
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	750	4	523896 320805
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 357.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	759	4	522971 319540
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	761	4	524220 319841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	761	4	522973 319534
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 605.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (SW)	765	4	522757 319828
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	766	4	524191 319759
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	767	4	524226 319840
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18NW (N)	773	4	523411 320948
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9SW (SE)	805	4	523929 319415
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9SW (SE)	808	4	523956 319430
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	810	4	523674 319307
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	810	4	523674 319307

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	813	4	523665 319303
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A8SE (S)	813	4	523687 319308
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 917.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	813	4	523139 320923
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 226.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18NW (N)	813	4	523182 320940
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SE (S)	814	4	523657 319300
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Soke Dyke Catchment Name: Welland Primacy: 2	A9SW (SE)	815	4	523824 319349
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soke Dyke Catchment Name: Welland Primacy: 2	A9SW (SE)	819	4	523825 319346
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NE (SW)	827	4	522847 319570
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	837	4	524303 319847

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	837	4	524326 320263
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	865	4	524321 320402
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	868	4	524328 319824
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A8SW (S)	870	4	523478 319230
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: Underground Permanent: True Watercourse Name: Soke Dyke Catchment Name: Welland Primacy: 2	A9SW (SE)	871	4	523836 319294
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 253.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	879	4	524344 319839
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	885	4	524329 319776
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.8 Watercourse Level: Underground Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A8SE (S)	885	4	523703 319237
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	886	4	524284 320562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	887	4	524207 319558
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	888	4	524205 319553
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 350.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	888	4	524386 319983
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	888	4	522576 320069
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A17SW (NW)	893	4	522710 320660
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: Underground Permanent: True Watercourse Name: Railway Delph Drain Catchment Name: Welland Primacy: 2	A18NE (N)	896	4	523569 321069
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A17SW (NW)	901	4	522705 320667
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 417.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hill's Drain Catchment Name: Welland Primacy: 2	A17SW (NW)	905	4	522702 320671
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Broughton Drain Catchment Name: Welland Primacy: 2	A17SW (NW)	905	4	522702 320671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 368.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SE (E)	907	4	524412 320090
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	912	4	524399 320278
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: Underground Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A9NE (SE)	913	4	524160 319464
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	914	4	523176 319239
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 462.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	917	4	524359 319767
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	917	4	522548 320053
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	919	4	524325 320552
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 467.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	919	4	523048 320998
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Railway Delph Drain Catchment Name: Welland Primacy: 2	A18NE (N)	919	4	523580 321091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	925	4	524333 320551
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 275.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soke Dyke Catchment Name: Welland Primacy: 2	A9SW (S)	926	4	523848 319239
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18NE (N)	927	4	523588 321098
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	928	4	524402 320336
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	934	4	524432 320213
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	934	4	524432 320213
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 404.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	938	4	524273 320688
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 295.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A9SE (SE)	940	4	524163 319428
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NE (E)	945	4	524436 320258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	952	4	524272 320715
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	957	4	524284 320706
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	958	4	524286 320703
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 397.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SW (SW)	971	4	522799 319410
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	981	4	524348 320647
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	981	4	524348 320647
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1051.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Welland Soke Dyke Catchment Name: Welland Primacy: 2	A8SE (S)	984	4	523725 319141
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A3NE (S)	989	4	523520 319111
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A3NE (S)	989	4	523520 319111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 325.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	989	4	522473 320209
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A9NE (SE)	992	4	524282 319482
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: Underground Permanent: True Watercourse Name: Fantail Mill Drain Catchment Name: Welland Primacy: 2	A3NE (S)	992	4	523521 319108
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SE (NE)	994	4	524355 320661
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Vernatt's Drain WaterBody ID: GB205031050705 Operational Catchment: Welland Lower Management Catchment: Welland Catchment Name: Welland	A13NW (NE)	0	1	523482 320138
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Welland - conf Greatford Cut to tidal WaterBody ID: GB205031050685 Operational Catchment: Welland Lower Management Catchment: Welland Catchment Name: Welland	A13NE (E)	60	1	523553 320155

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	2	523482 320138
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	523482 320138
168	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13NW (N)	177	-	523445 320353
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1959	A18SE (N)	582	-	523575 320752
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A8NW (S)	627	-	523377 319482
171	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A8SW (S)	694	-	523409 319410
172	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1959	A18NE (N)	808	-	523588 320978

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)	A13NW (NE)	0	6	523482 320138
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NE)	0	6	523482 320138
173	BGS Recorded Mineral Sites Site Name: Little London Brick Field Location: Spalding, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136288 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Tidal Flat Deposits Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (N)	271	6	523396 320440
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	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	A13NW (NE)	0	6	523482 320138
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	100	6	523482 320000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	6	523482 320138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Contemporary Trade Directory Entries Name: Freshco (Spalding) Ltd Location: Spalding Common, Spalding, Lincolnshire, PE11 3JZ Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	181	-	523355 319971
175	Contemporary Trade Directory Entries Name: South Lincs Foundry Location: Ivanhoe, Spalding Common, Spalding, Lincolnshire, PE11 3AS Classification: Foundries Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	281	-	523299 320407
176	Contemporary Trade Directory Entries Name: Rose Blinds Location: Crossways, The Ramper, Spalding, Lincolnshire, PE11 3AW Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	382	-	523396 320554
177	Contemporary Trade Directory Entries Name: Anna'S Ironing Location: 9, Sandown Close, SPALDING, Lincolnshire, PE11 3BU Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	442	-	523456 320618
177	Contemporary Trade Directory Entries Name: Annas Location: 9, Sandown Close, Spalding, Lincolnshire, PE11 3BU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	442	-	523456 320618
177	Contemporary Trade Directory Entries Name: B W Cleaning Location: 64, Aintree Drive, Spalding, Lincolnshire, PE11 3BS Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	477	-	523478 320654
177	Contemporary Trade Directory Entries Name: B W Cleaning Contractors Location: 64, Aintree Drive, Spalding, Lincolnshire, PE11 3BS Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	477	-	523478 320654
178	Contemporary Trade Directory Entries Name: Wades Cleaning Services Location: 137, Cradge Bank, Spalding, Lincolnshire, PE11 3AF Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	515	-	523539 320689
179	Contemporary Trade Directory Entries Name: T K Autos Location: 1, Stennett Avenue, SPALDING, Lincolnshire, PE11 3AX Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	648	-	523347 319467
180	Contemporary Trade Directory Entries Name: Paul Cooper Location: 113, Cradge Bank, Spalding, Lincolnshire, PE11 3AF Classification: Gas - Industrial & Medical Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	656	-	523639 320815
181	Contemporary Trade Directory Entries Name: D & G Surfacing Location: 64, Fen End Lane, SPALDING, Lincolnshire, PE12 6AD Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	736	-	524240 320138
181	Contemporary Trade Directory Entries Name: Gary Carson Motor Trade Location: 68, FEN END LANE, SPALDING, PE12 6AD Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	776	-	524280 320136

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	Contemporary Trade Directory Entries Name: Excel Refinishing Ltd Location: 73 Cradge Bank, Spalding, Lincolnshire, PE11 3AF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NE (N)	752	-	523701 320898
182	Contemporary Trade Directory Entries Name: Lafarge Readymix Location: 67, Cradge Bank, Spalding, Lincolnshire, PE11 3AF Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	785	-	523727 320925
182	Contemporary Trade Directory Entries Name: Gaunts Location: 63b, Cradge Bank, Spalding, Lincolnshire, PE11 3AB Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	806	-	523746 320940
183	Contemporary Trade Directory Entries Name: V G Recycling Group Ltd Location: 3 LINC GATEWAY BUSINESS PARK, 1, GOODISON ROAD, SPALDING, PE12 6FY Classification: Recycling Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (SE)	787	-	524236 319809
184	Contemporary Trade Directory Entries Name: Visionaid Technologies Ltd Location: Bridge Lodge, Spalding Common, Spalding, Lincolnshire, PE11 3AU Classification: Disability Equipment - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	838	-	523328 319277
184	Contemporary Trade Directory Entries Name: M W H Cleaning Location: Fantail House, Spalding Common, Spalding, Lincolnshire, PE11 3AU Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	864	-	523321 319251
185	Contemporary Trade Directory Entries Name: W & W H Pettit Location: Cowbit Road, Spalding, Lincolnshire, PE12 6AB Classification: Agricultural Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	882	-	524225 320658
185	Contemporary Trade Directory Entries Name: W & W H Pettit Location: Cowbit Road, Spalding, Lincolnshire, PE12 6AB Classification: Blast Cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	882	-	524225 320658
186	Contemporary Trade Directory Entries Name: Denichi Activewear Location: Elmtree House, Cowbit Road, Spalding, Lincolnshire, PE12 6AA Classification: Sportswear - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	524198 320757
187	Contemporary Trade Directory Entries Name: A H Lewis Location: 50, Cradge Bank, Spalding, Lincolnshire, PE11 3AB Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	921	-	523922 320988
188	Contemporary Trade Directory Entries Name: A Burnett Motor Engineer Location: 71, Cradge Bank, Spalding, Lincolnshire, PE11 3AF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	952	-	523880 321044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Fuel Station Entries Name: Applegreen Spalding Location: 2, Goodison Road A16, Cowbit Lincs Gateway, Spalding, Lincolnshire, PE12 6FY Brand: Applegreen Premises Type: Service Area Status: Open Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	922	-	524349 319729
190	Points of Interest - Commercial Services Name: Excel Refinishing Ltd Location: 73 Cradge Bank, Spalding, Lincolnshire, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	752	7	523701 320898
190	Points of Interest - Commercial Services Name: Excel Refinishing Location: 73 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	752	7	523701 320898
190	Points of Interest - Commercial Services Name: National Windscreens Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	766	7	523709 320909
190	Points of Interest - Commercial Services Name: Gaunts Location: 63b Cradge Bank, Spalding, PE11 3AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	806	7	523746 320940
191	Points of Interest - Commercial Services Name: V G Recycling Group Ltd Location: 3 Lincs Gateway Business Park 1, Goodison Road, Spalding, PE12 6FY Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SE (SE)	787	7	524236 319808
192	Points of Interest - Commercial Services Name: A Burnett Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	952	7	523880 321044
192	Points of Interest - Commercial Services Name: Spalding Windscreen Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	952	7	523880 321044
192	Points of Interest - Commercial Services Name: Huggins National Windscreens Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	952	7	523880 321044
192	Points of Interest - Commercial Services Name: National Windscreens Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	956	7	523875 321050
192	Points of Interest - Commercial Services Name: A Burnett Motor Engineer Location: 71 Cradge Bank, Spalding, PE11 3AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	956	7	523875 321050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	Points of Interest - Commercial Services Name: Gaunts Location: 63b Cradge Bank, Spalding, PE11 3AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	988	7	523931 321059
192	Points of Interest - Commercial Services Name: Gaunt Motor Cool Services Location: 63b Cradge Bank, Spalding, PE11 3AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	988	7	523931 321059
193	Points of Interest - Manufacturing and Production Name: Tanks Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	103	7	523440 320006
193	Points of Interest - Manufacturing and Production Name: Tank Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SW (S)	110	7	523442 319998
193	Points of Interest - Manufacturing and Production Name: Tank Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SW (S)	112	7	523428 320002
193	Points of Interest - Manufacturing and Production Name: Tank Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SW (S)	113	7	523432 319999
193	Points of Interest - Manufacturing and Production Name: Tank Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	115	7	523414 320008
194	Points of Interest - Manufacturing and Production Name: H Freeman & Sons Location: The Conifers, Spalding Common, Spalding, PE11 3AU Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A13SW (SW)	216	7	523288 319998
195	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	279	7	523258 320369
195	Points of Interest - Manufacturing and Production Name: Works Location: PE11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	279	7	523258 320369
196	Points of Interest - Manufacturing and Production Name: D Chapman Location: Bridge Lodge, South Drove, Spalding, PE11 3ED Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A8SW (S)	839	7	523328 319276
197	Points of Interest - Manufacturing and Production Name: Business Park Location: PE12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	861	7	524268 319700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	901	7	524313 320535
199	Points of Interest - Manufacturing and Production Name: Tanks Location: PE12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	909	7	524280 320620
200	Points of Interest - Manufacturing and Production Name: P D & D S Bowman Location: Charinton Farm, South Drove, Spalding, Lincolnshire, PE11 3BD Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12SW (W)	932	7	522537 320016
201	Points of Interest - Manufacturing and Production Name: Tanks Location: PE11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A23SE (N)	983	7	523489 321160
202	Points of Interest - Manufacturing and Production Name: Works Location: PE11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	988	7	523880 321083
203	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: PE11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	416	7	523349 319706
203	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: PE11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	427	7	523317 319707
204	Points of Interest - Public Infrastructure Name: Applegreen Spalding Location: Goodison Road, Cowbit, Spalding, South Holland, Lincolnshire, PE12 6FY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	922	7	524349 319729
205	Points of Interest - Recreational and Environmental Name: Play Area Location: PE11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	264	7	523199 320207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
206	Nitrate Vulnerable Zones Name: Vernatt'S Drain Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NE)	0	1	523482 320138
207	Nitrate Vulnerable Zones Name: River Welland Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (E)	60	1	523553 320155
208	Sites of Special Scientific Interest Name: Cowbit Wash Multiple Areas: N Total Area (m2): 90665.62 Source: Natural England Reference: 2000265 Designation Details: Geological Conservation Review Designation Date: 16th June 1999 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 16th June 1999 Date Type: Notified	A9SW (SE)	924	8	523961 319296

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Kesteven District Council - Environmental Health Environment Agency - Head Office South Holland District Council - Environmental Services	January 2025 November 2023 September 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2024	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	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control South Kesteven District Council - Environmental Health South Holland District Council - Environmental Services	January 2025 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls South Kesteven District Council - Environmental Health South Holland District Council - Environmental Services	January 2025 October 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Kesteven District Council - Environmental Health South Holland District Council - Environmental Services	January 2025 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2025	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	
Historical Prosecutions Environment Agency, Anglian Region	March 2013	Not Applicable
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Head Office	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	October 2024	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2024	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	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	

Agency & Hydrological	Version	Update Cycle
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	January 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually
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	October 2024	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	November 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	October 2024	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council South Holland District Council - Environmental Services South Kesteven District Council - Environmental Health	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council South Holland District Council - Environmental Services South Kesteven District Council - Environmental Health	October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
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	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements South Kesteven District Council South Holland District Council Lincolnshire County Council - Highways and Planning Department	August 2023 February 2023 January 2023	Variable Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department South Kesteven District Council 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 Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt South Holland District Council South Kesteven District Council	July 2024 July 2024	Quarterly Quarterly
Areas of Unadopted Green Belt South Holland District Council South Kesteven District Council	July 2024 July 2024	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2025	Bi-Annually
Marine Nature Reserves Natural England	February 2025	Bi-Annually
National Nature Reserves Natural England	January 2025	Bi-Annually
National Parks Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2024	Annually
Ramsar Sites Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2024	Bi-Annually
Special Areas of Conservation Natural England	January 2025	Bi-Annually
Special Protection Areas Natural England	November 2024	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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
2	South Holland District Council - Environmental Services Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.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.co.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	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
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	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 Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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

Historical Mapping Legends

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





























County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Burgh Boundary (Scotland)

B.P. B.S. Boundary Post or Stone

P.C.B. Police Call Box

B.R. Bridle Road

P. Pump

E.P. Electricity Pylon

S.P. Signal Post

F.B. Foot Bridge

SL. Sluice

F.P. Foot Path

Sp. Spring

G.P. Guide Post or Board

T.C.B. Telephone Call Box

M.S. Mile Stone

Tr. Trough

M.P. M.R. Mooring Post or Ring

W. Well

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

























Electricity Transmission Line

County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

London Borough Boundary

Symbol marking point where boundary mereing changes

BH Beer House

P Pillar, Pole or Post

BP, BS Boundary Post or Stone

PO Post Office

Cn, C Capstan, Crane

PC Public Convenience

Chy Chimney

PH Public House

D Fn Drinking Fountain

Pp Pump

EI P Electricity Pillar or Post

SB, S Br Signal Box or Bridge

FAP Fire Alarm Pillar

SP, SL Signal Post or Light

FB Foot Bridge

Spr Spring

GP Guide Post

Tk Tank or Track

H Hydrant or Hydraulic

TCB Telephone Call Box

LC Level Crossing

TCP Telephone Call Post

MH Manhole

Tr Trough

MP Mile Post or Mooring Post

Wr Pt, Wr T Water Point, Water Tap

MS Mile Stone

W Well

NTL Normal Tidal Limit

Wd Pp Wind Pump

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



























Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks Barracks

P Pillar, Pole or Post

Bty Battery

PO Post Office

Cemy Cemetery

PC Public Convenience

Chy Chimney

Pp Pump

Cis Cistern

Ppg Sta Pumping Station

Dismtd Rly Dismantled Railway

PW Place of Worship

EI Gen Sta Electricity Generating Station

Sewage Ppg Sta Sewage Pumping Station

EI P Electricity Pole, Pillar

SB, S Br Signal Box or Bridge

EI Sub Sta Electricity Sub Station

SP, SL Signal Post or Light

FB Filter Bed

Spr Spring

Fn / D Fn Fountain / Drinking Ftn.

Tk Tank or Track

Gas Gov Gas Valve Compound

Tr Trough

GVC Gas Governor

Wd Pp Wind Pump

GP Guide Post

Wr Pt, Wr T Water Point, Water Tap

MH Manhole

Wks Works (building or area)

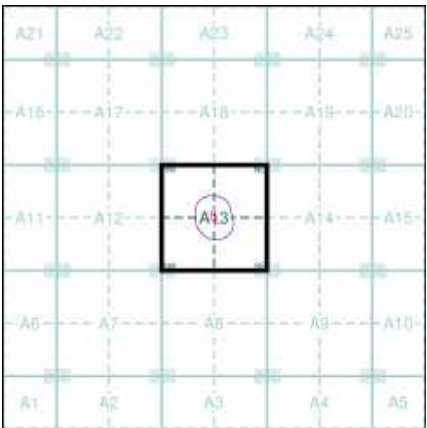
MP, MS Mile Post or Mile Stone

W Well

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1904	3
Lincolnshire	1:2,500	1932	4
Ordnance Survey Plan	1:2,500	1968 - 1969	5
Additional SIMs	1:2,500	1968 - 1990	6
Additional SIMs	1:2,500	1980	7
Additional SIMs	1:2,500	1988	8
Large-Scale National Grid Data	1:2,500	1995	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	1999	11

Historical Map - Segment A13



Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire

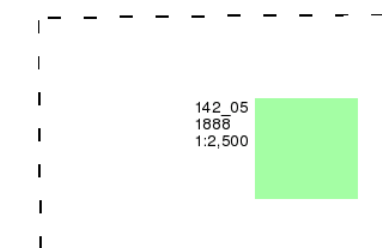
Lincolnshire

Published 1888

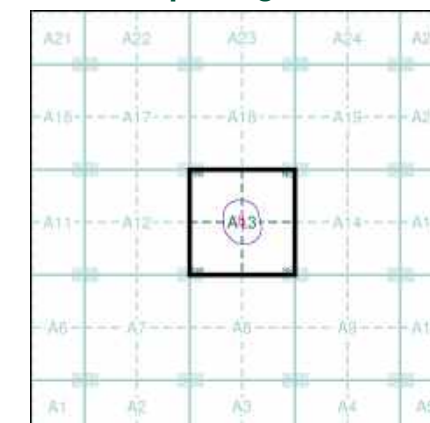
Source map scale - 1:2,500

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

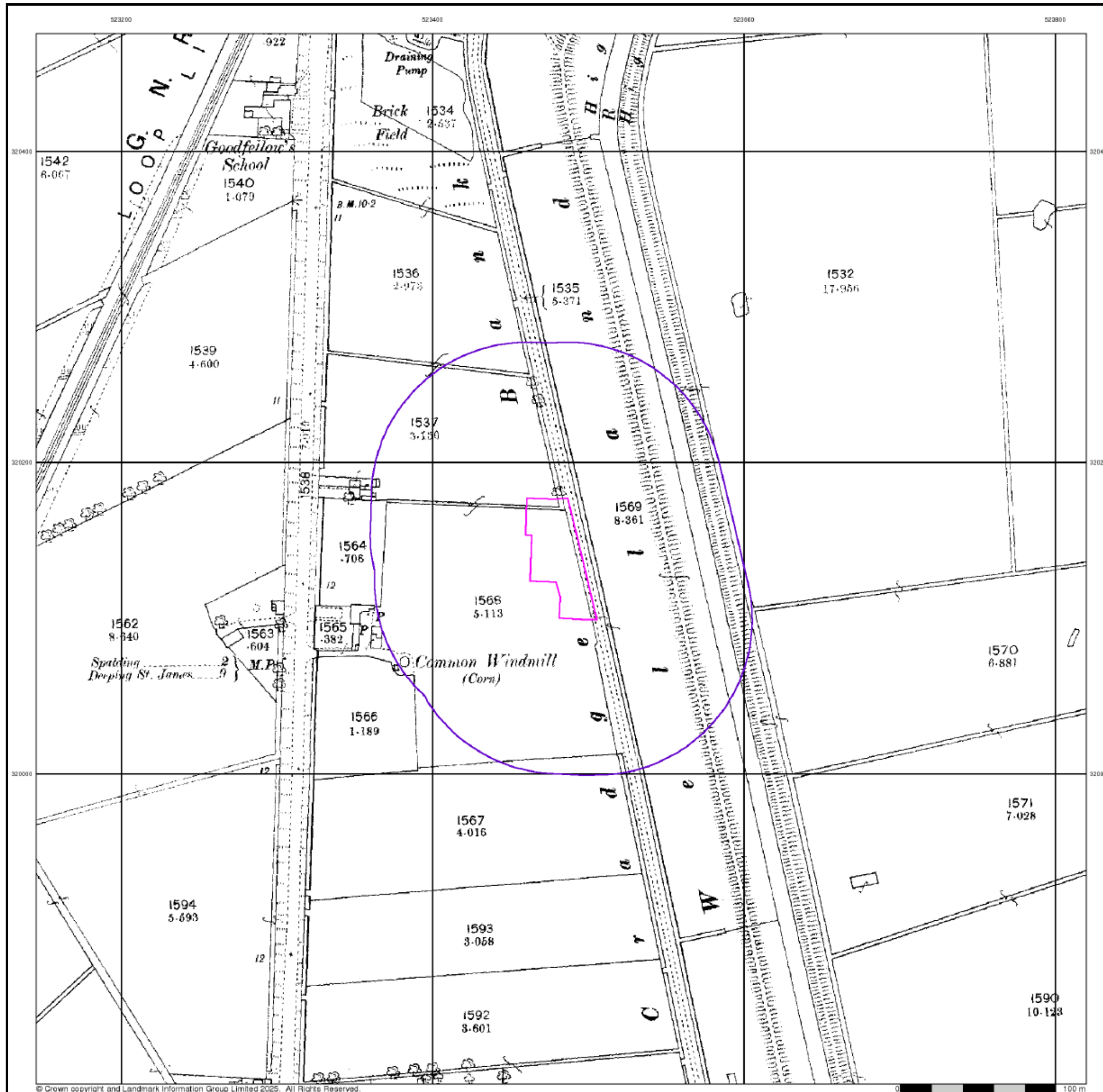


Order Details

Order Number: 374132749_1_1
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Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire



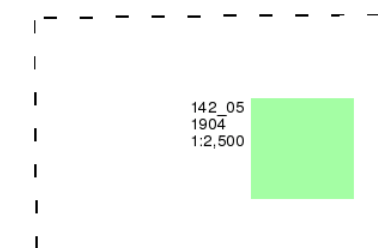
Lincolnshire

Published 1904

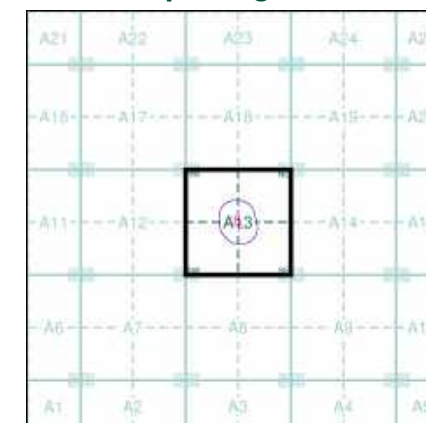
Source map scale - 1:2,500

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

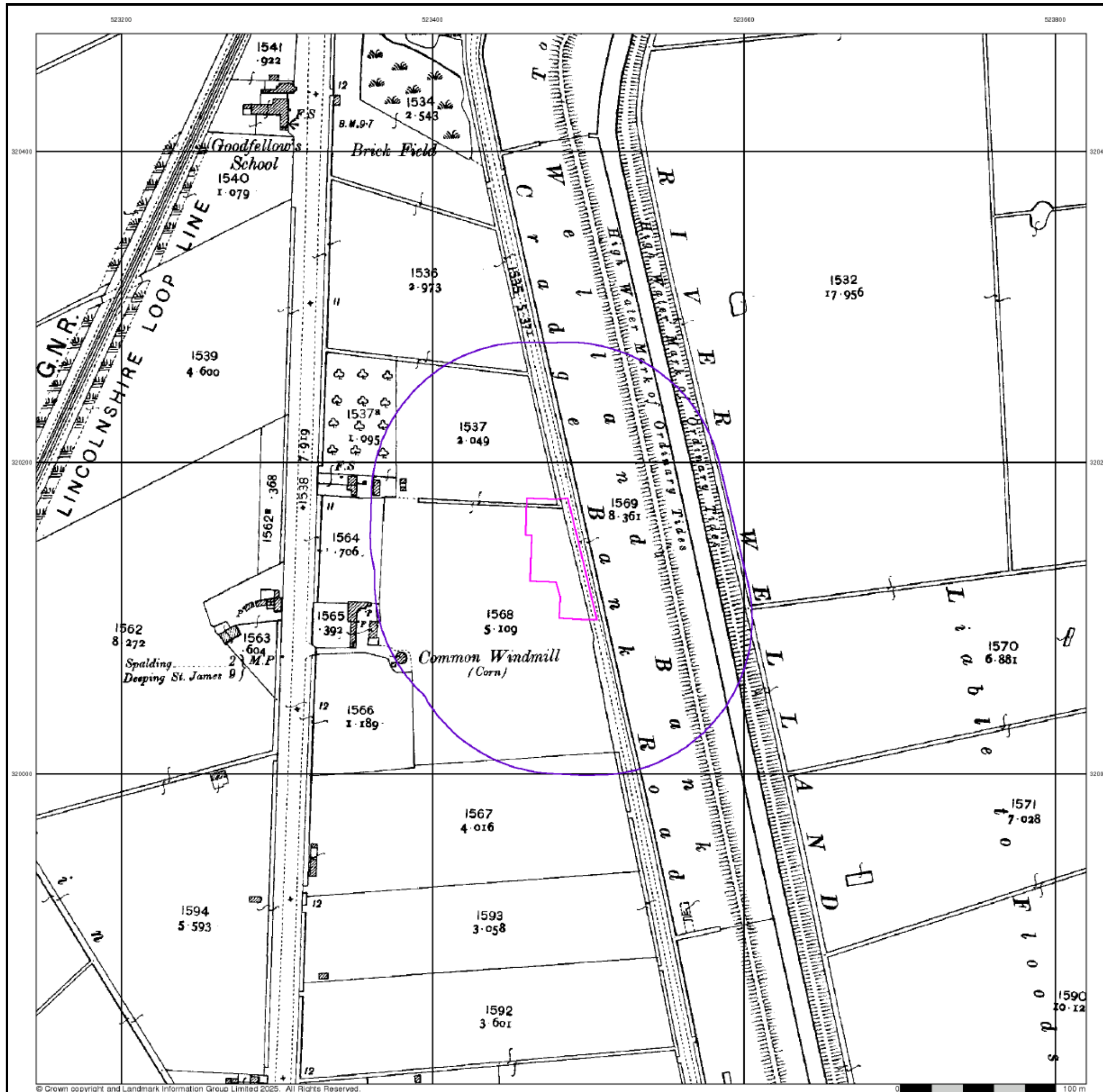


Order Details

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Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire



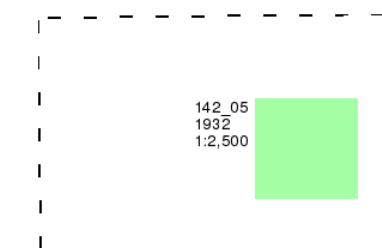
Lincolnshire

Published 1932

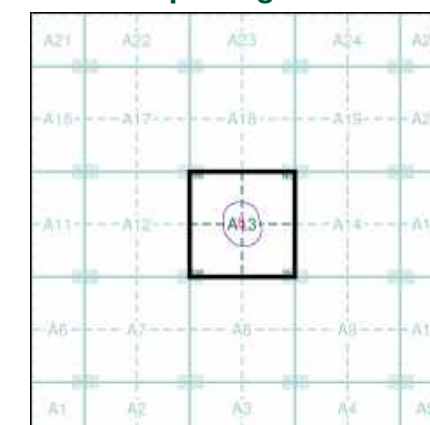
Source map scale - 1:2,500

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

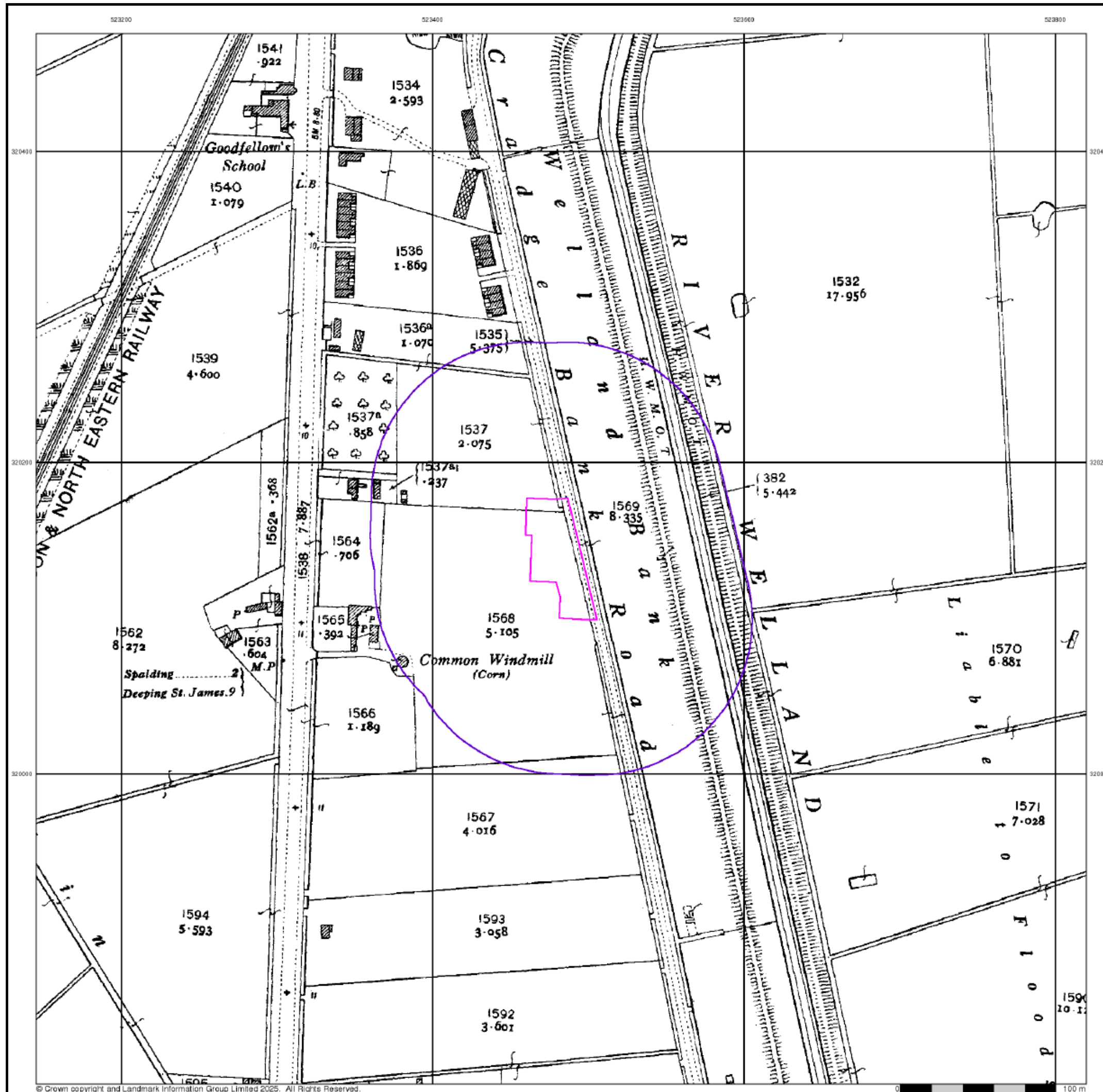


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Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire





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Ordnance Survey Plan

Published 1968 - 1969

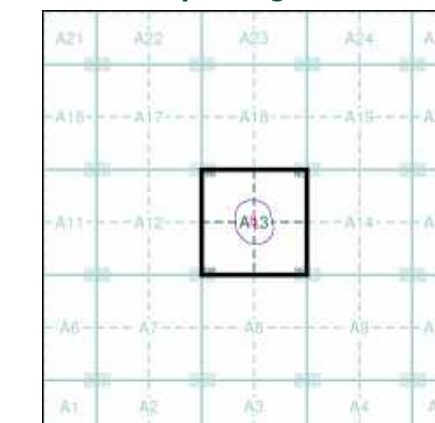
Source map scale - 1:2,500

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)

TF2320
1968
1:2,500
TF2319
1969
1:2,500

Historical Map - Segment A13

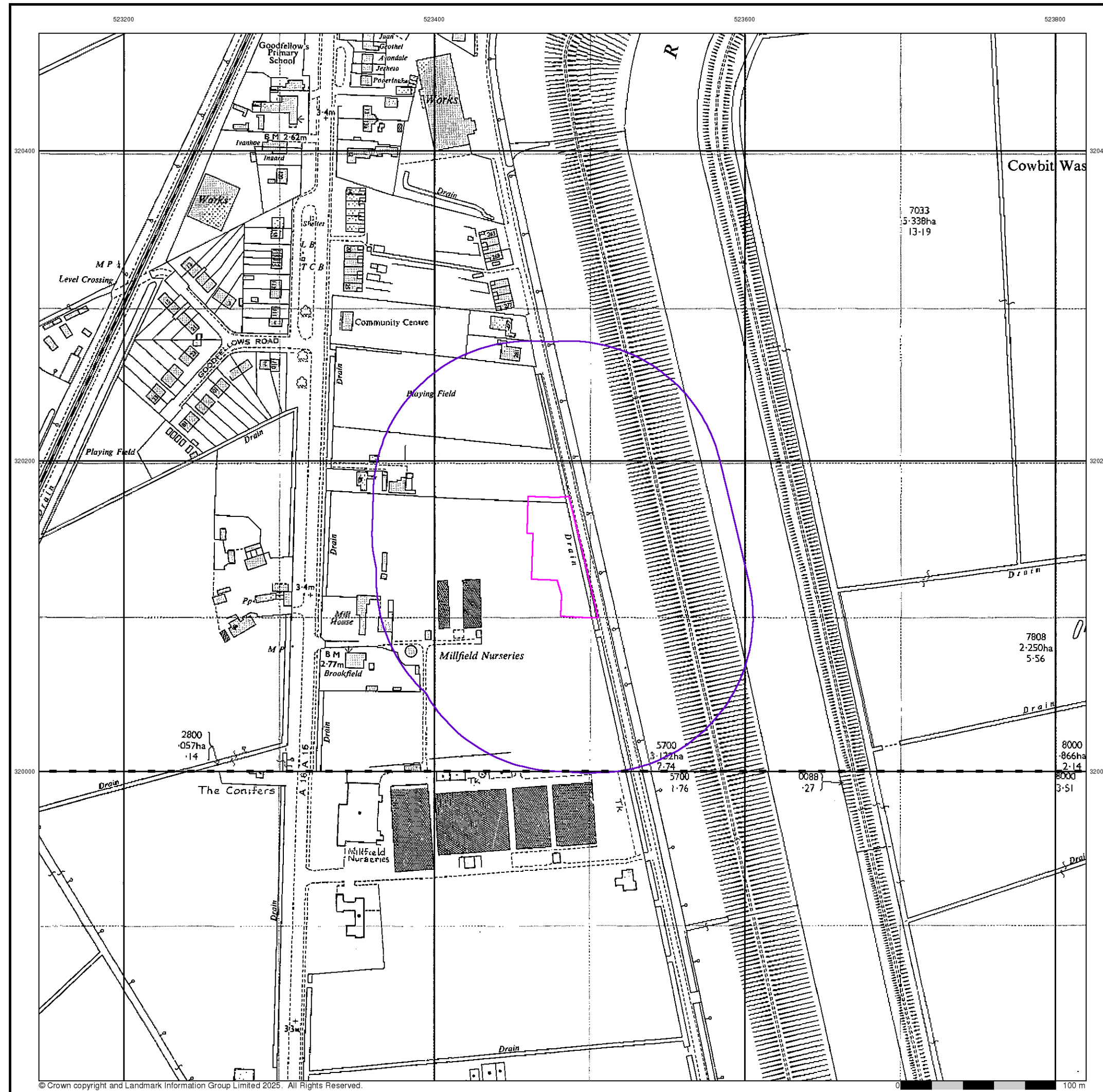


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Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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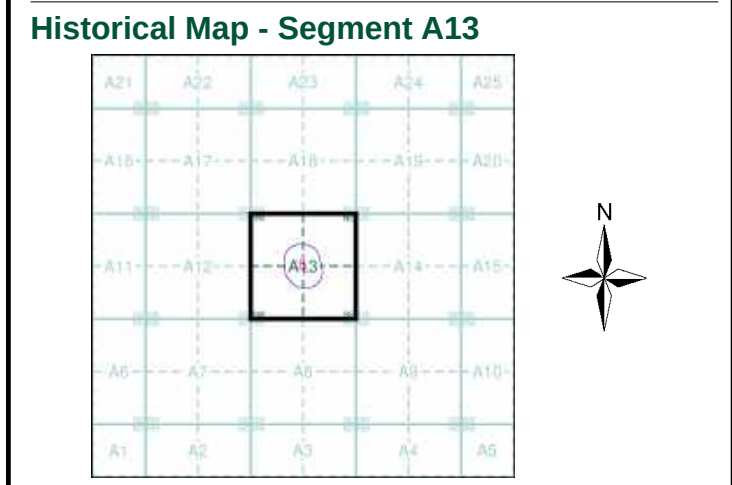
Additional SIMs

Published 1968 - 1990

Source map scale - 1:2,500

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

Map Name(s) and Date(s)	
TF2320	1968
1:2,500	
TF2319	1990
1:2,500	

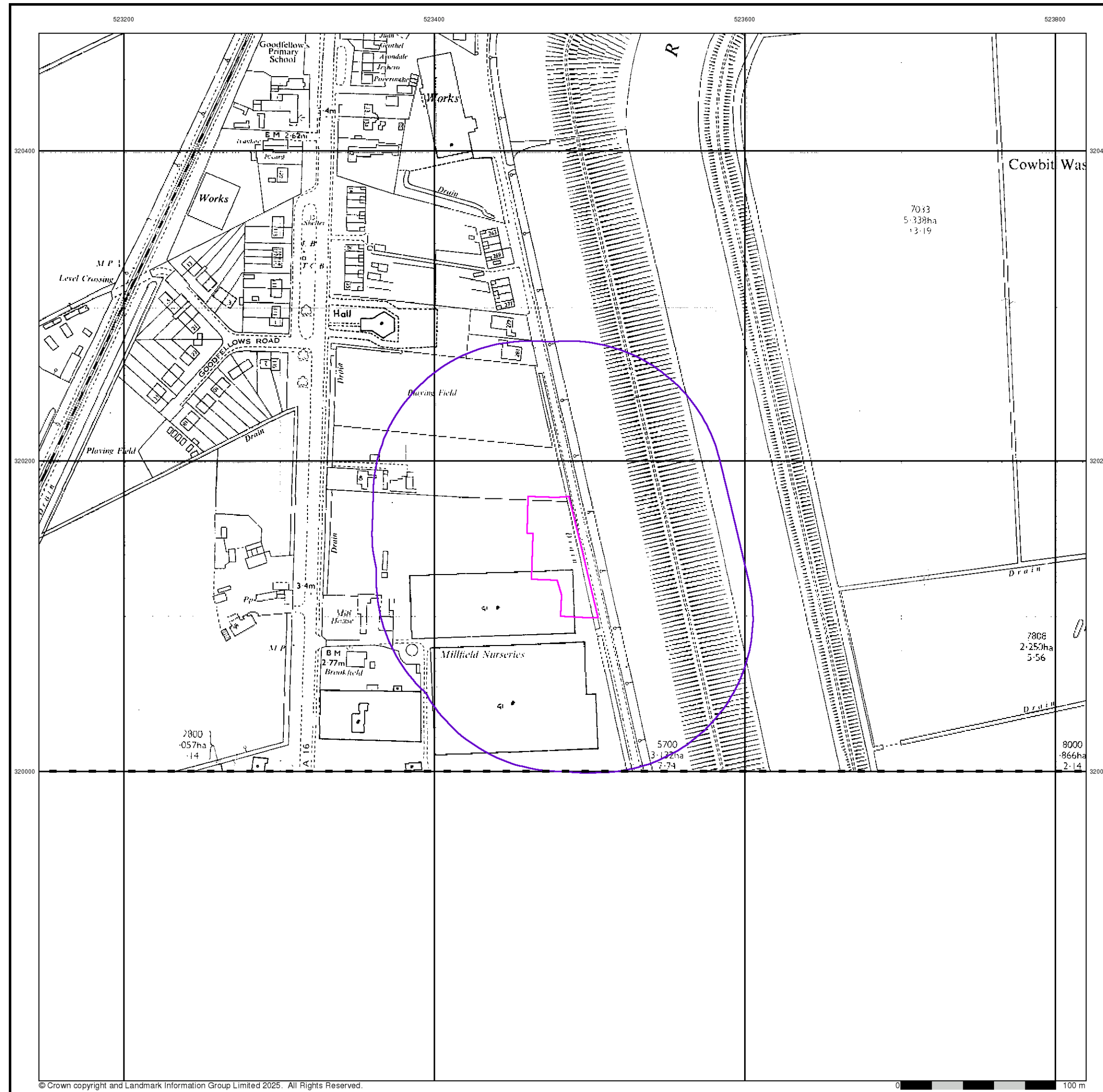


Order Details

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Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	100

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire



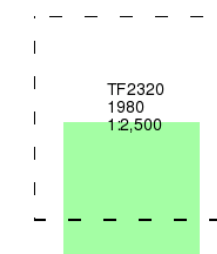
Additional SIMs

Published 1980

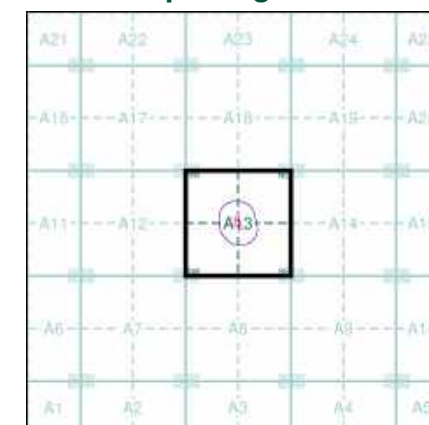
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

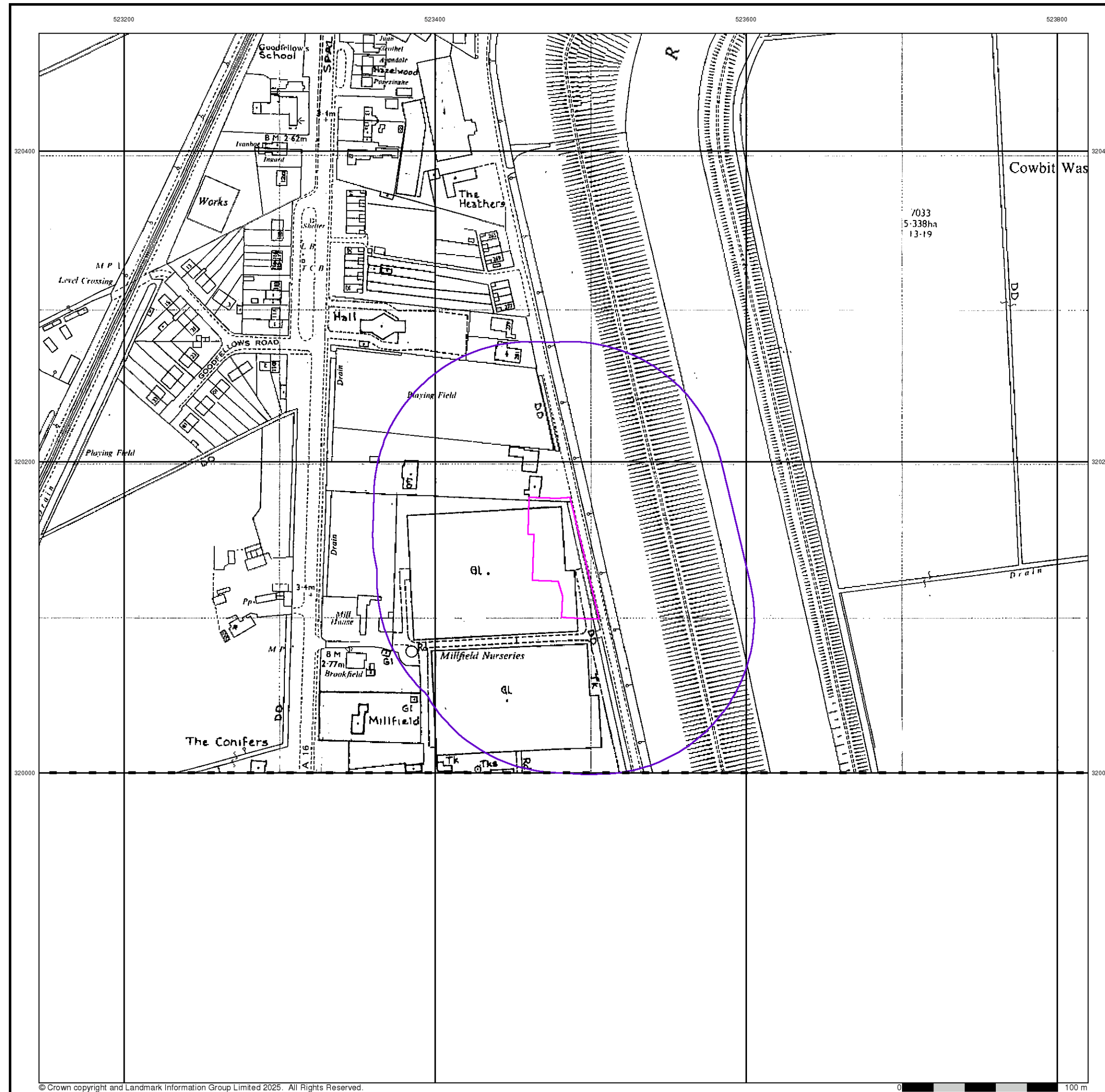


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National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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0 100 m

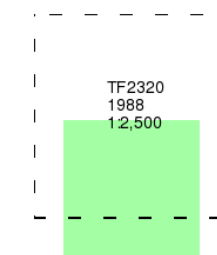
Additional SIMs

Published 1988

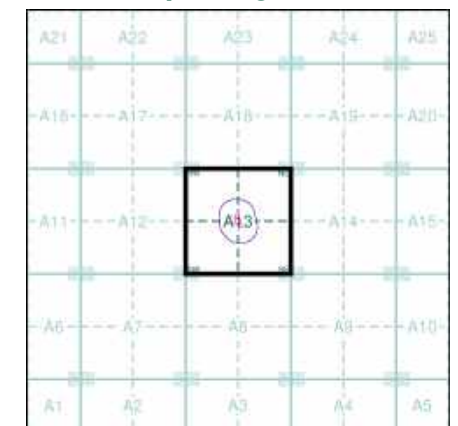
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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Large-Scale National Grid Data

Published 1995

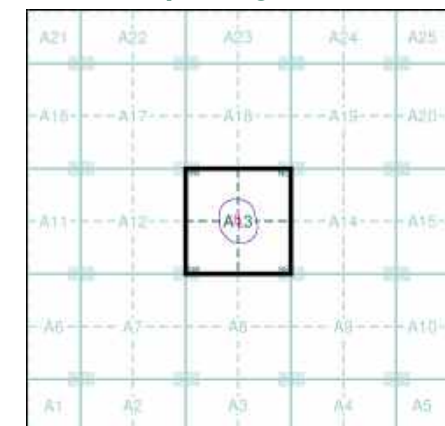
Source map scale - 1:2,500

'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)

TF2320	1995	1:2,500
TF2319	1995	1:2,500

Historical Map - Segment A13

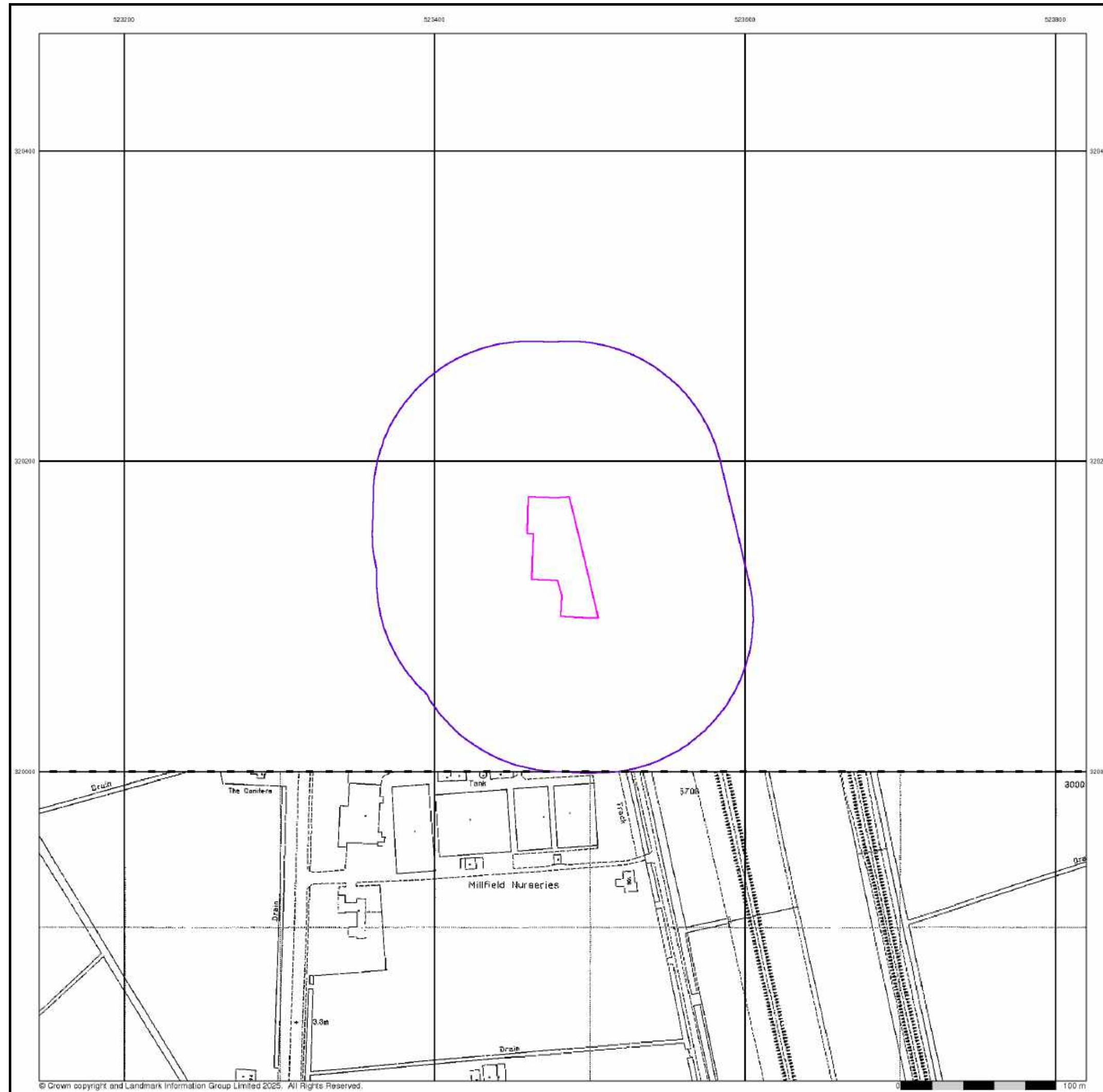


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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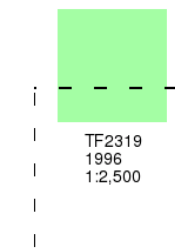
Large-Scale National Grid Data

Published 1996

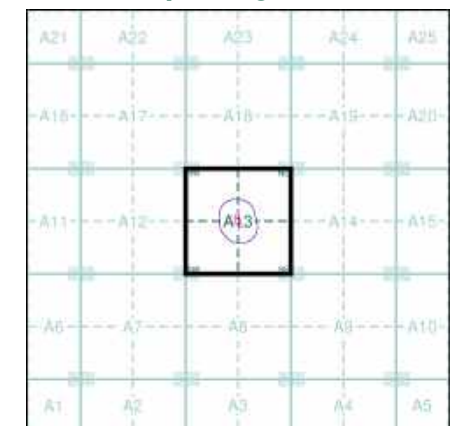
Source map scale - 1:2,500

'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



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Slice: A
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Search Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire

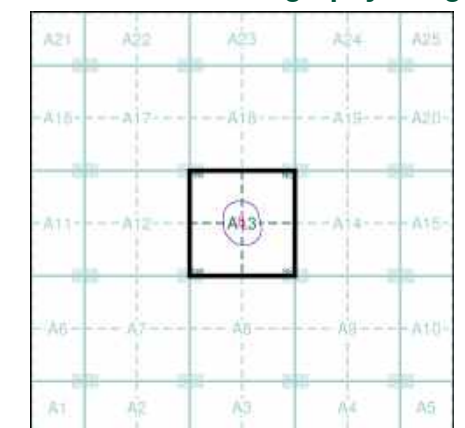


Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire

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

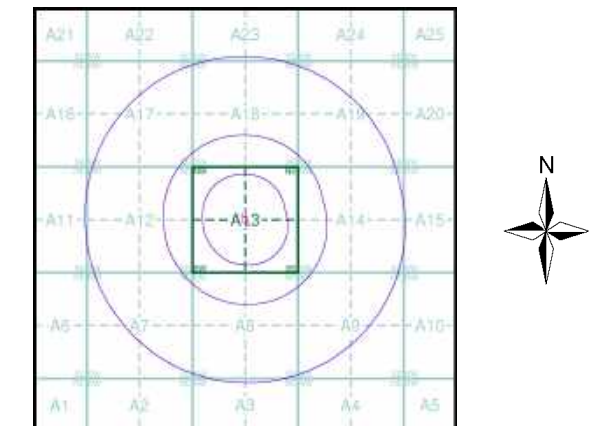
Envirocheck®

LANDMARK INFORMATION GROUP®

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	1932	5
Lincolnshire	1:10,560	1938 - 1952	6
Ordnance Survey Plan	1:10,000	1958 - 1959	7
Ordnance Survey Plan	1:10,000	1971 - 1979	8
Ordnance Survey Plan	1:10,000	1982	9
Ordnance Survey Plan	1:10,000	1992	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2024	13

Historical Map - Slice A



Order Details

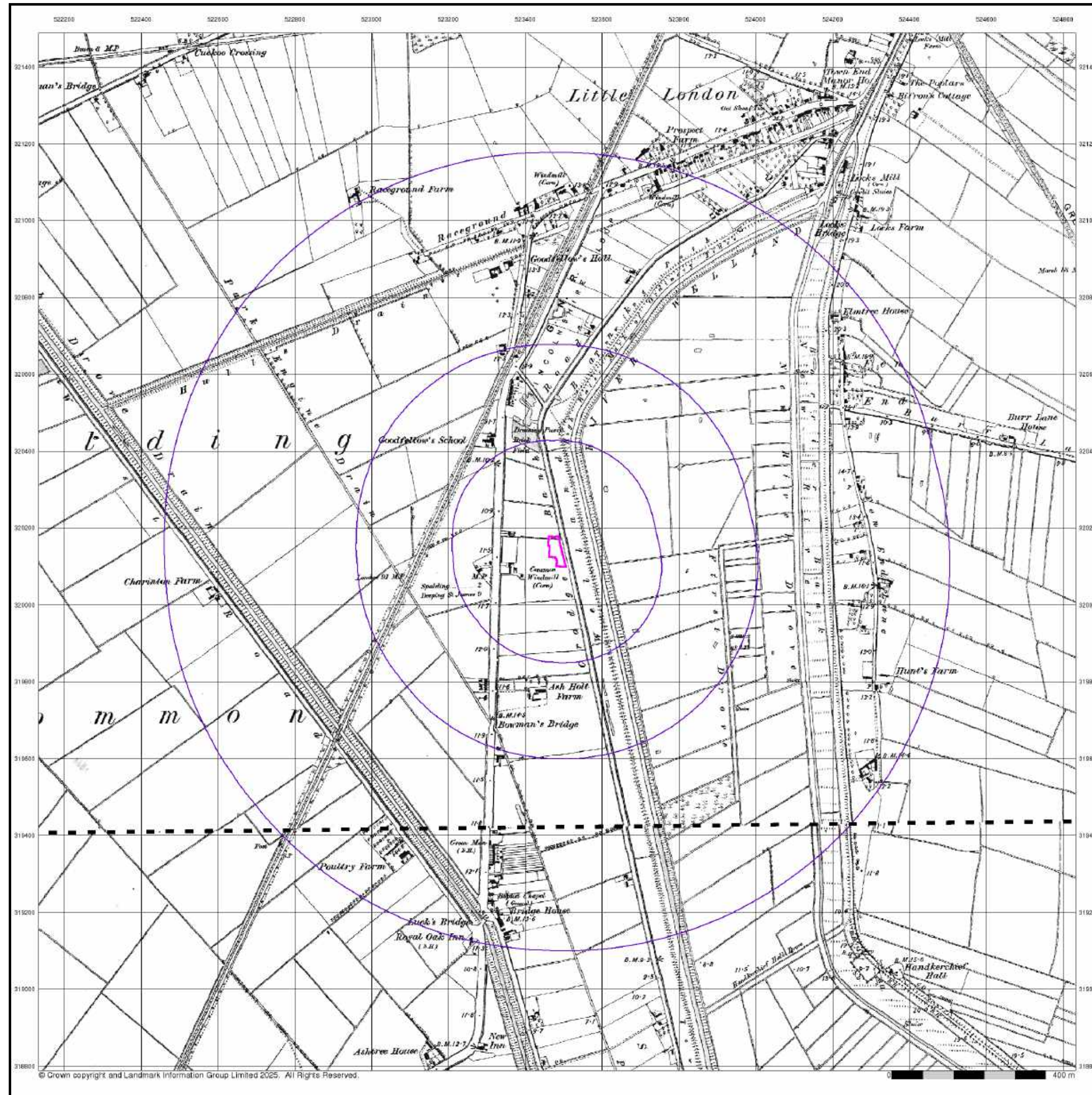
Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

Landmark
INFORMATION GROUP

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



Lincolnshire

Published 1887 - 1888

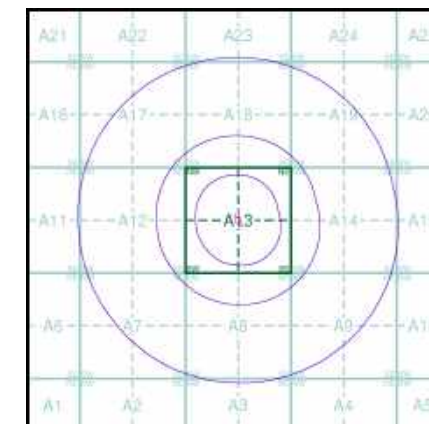
Source map scale - 1:10,560

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)

142NW
1888
1:10,560
142SW
1887
1:10,560

Historical Map - Slice A

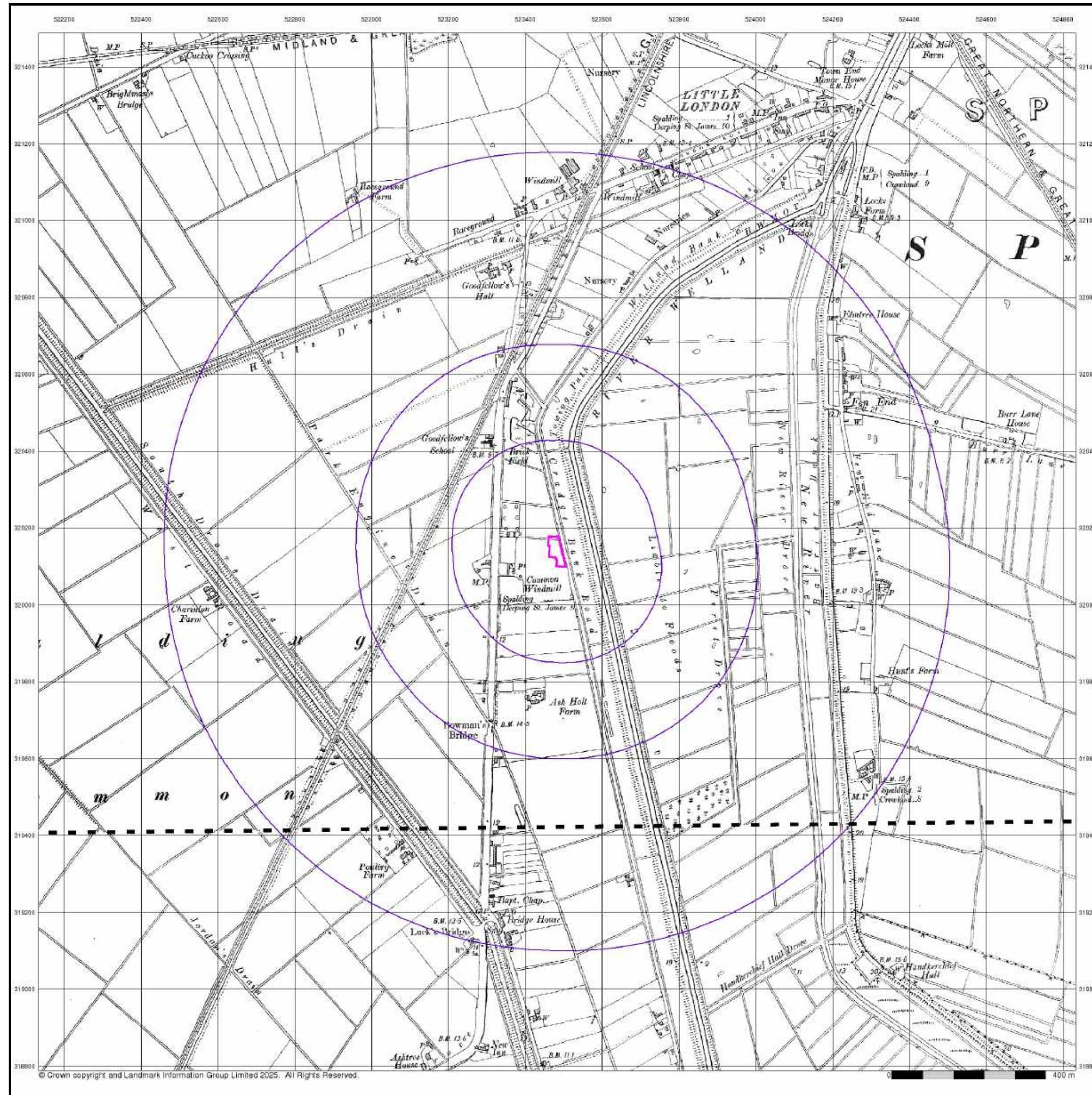


Order Details

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Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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Lincolnshire

Published 1906

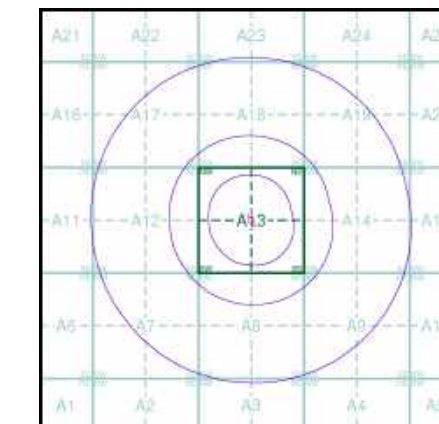
Source map scale - 1:10,560

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)

142NW
1906
1:10,560
142SW
1906
1:10,560

Historical Map - Slice A

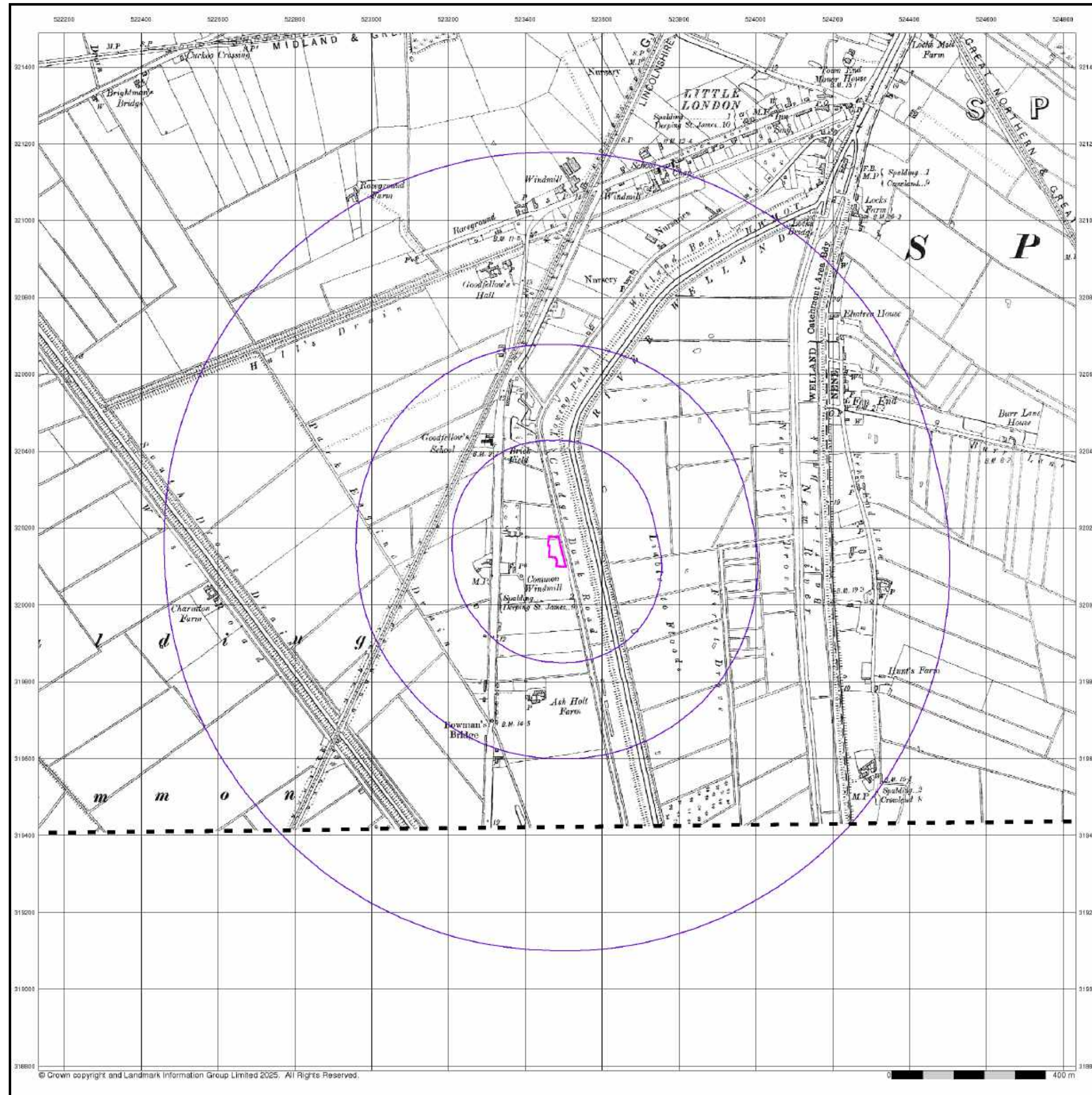


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Cradge Bank, Spalding, Lincolnshire



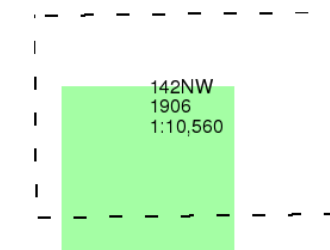
Lincolnshire

Published 1906

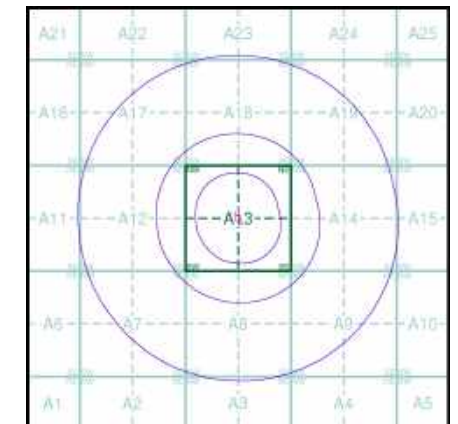
Source map scale - 1:10,560

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

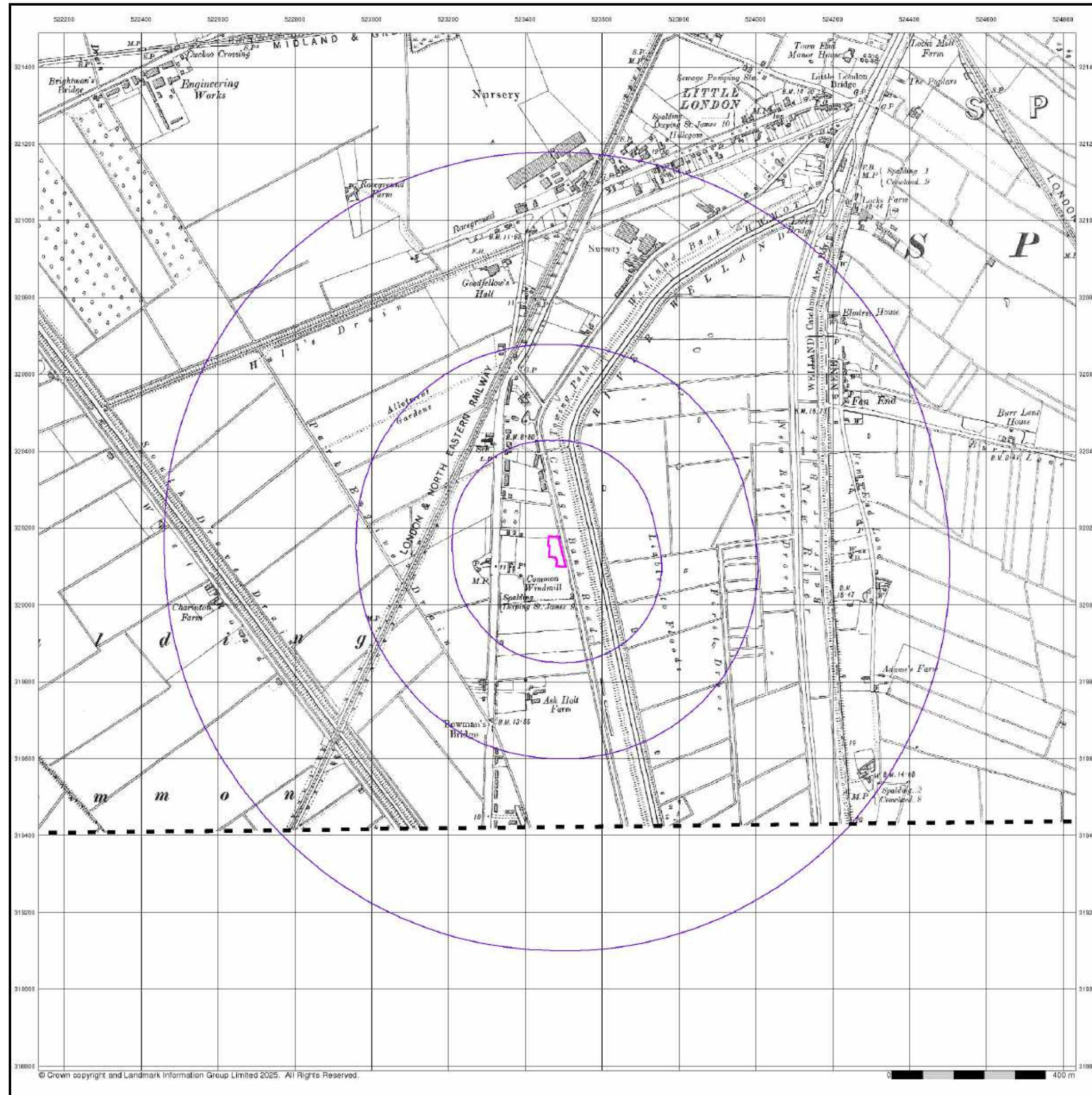


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



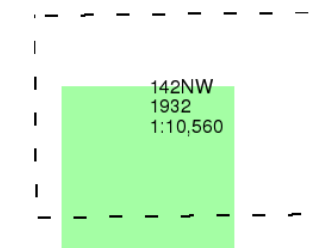
Lincolnshire

Published 1932

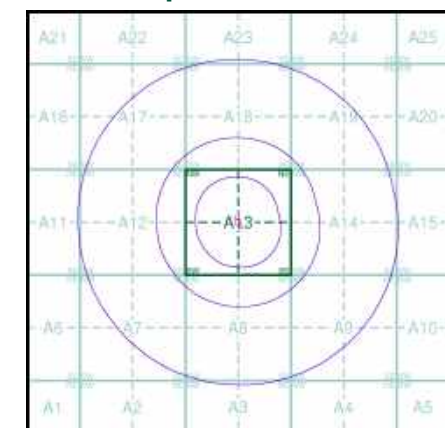
Source map scale - 1:10,560

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)



Historical Map - Slice A

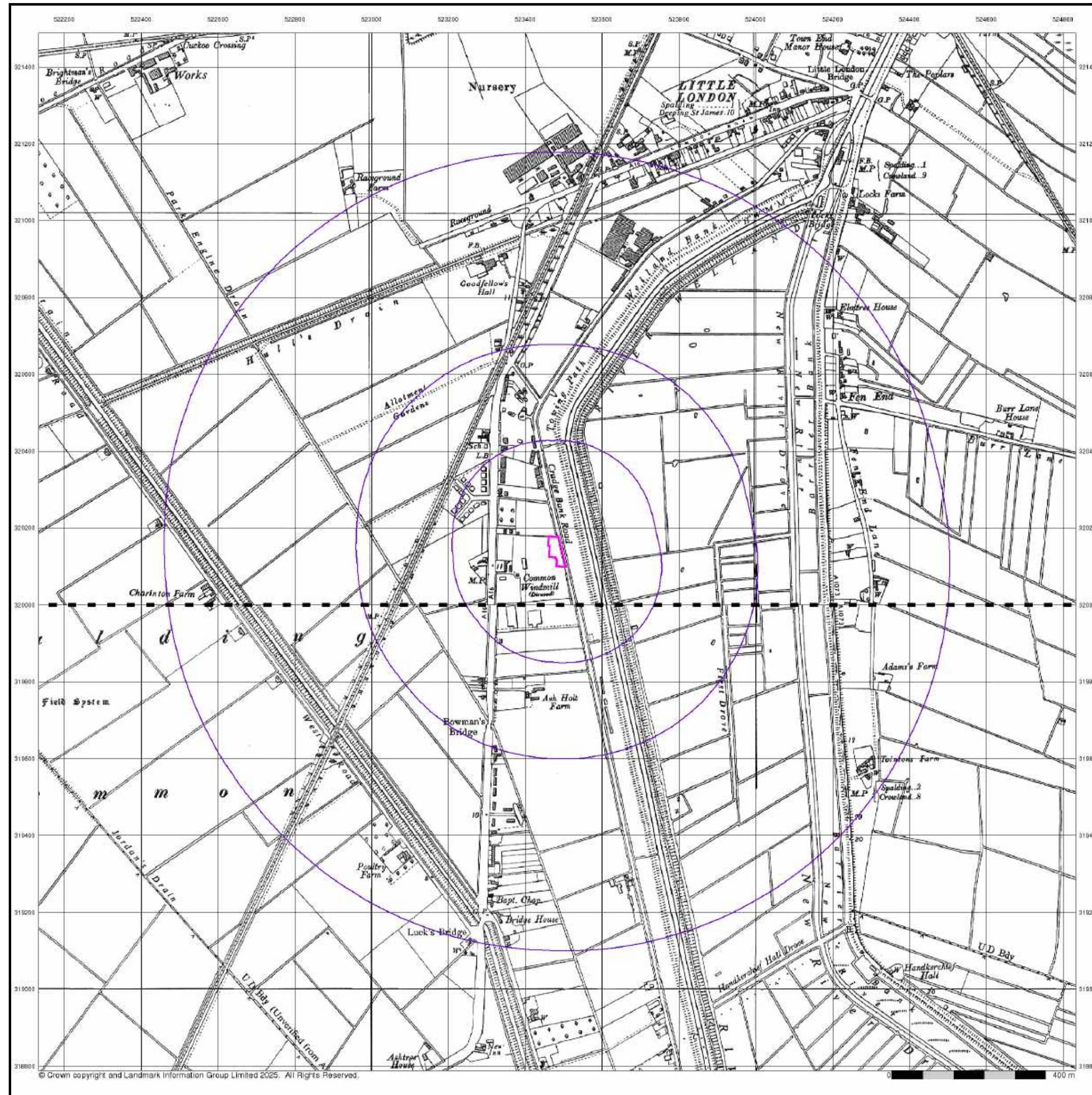


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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Ordnance Survey Plan

Published 1958 - 1959

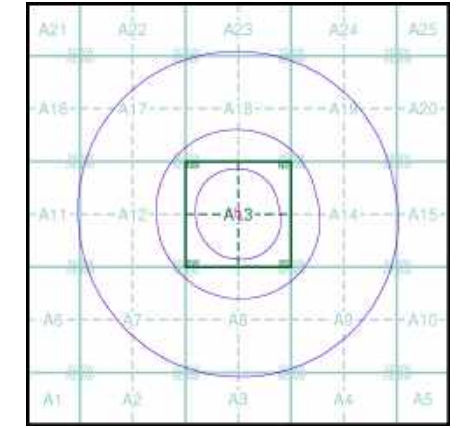
Source map scale - 1:10,000

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)

TF22SW	1959
1:10,560	
TF21NW	1958
1:10,560	

Historical Map - Slice A

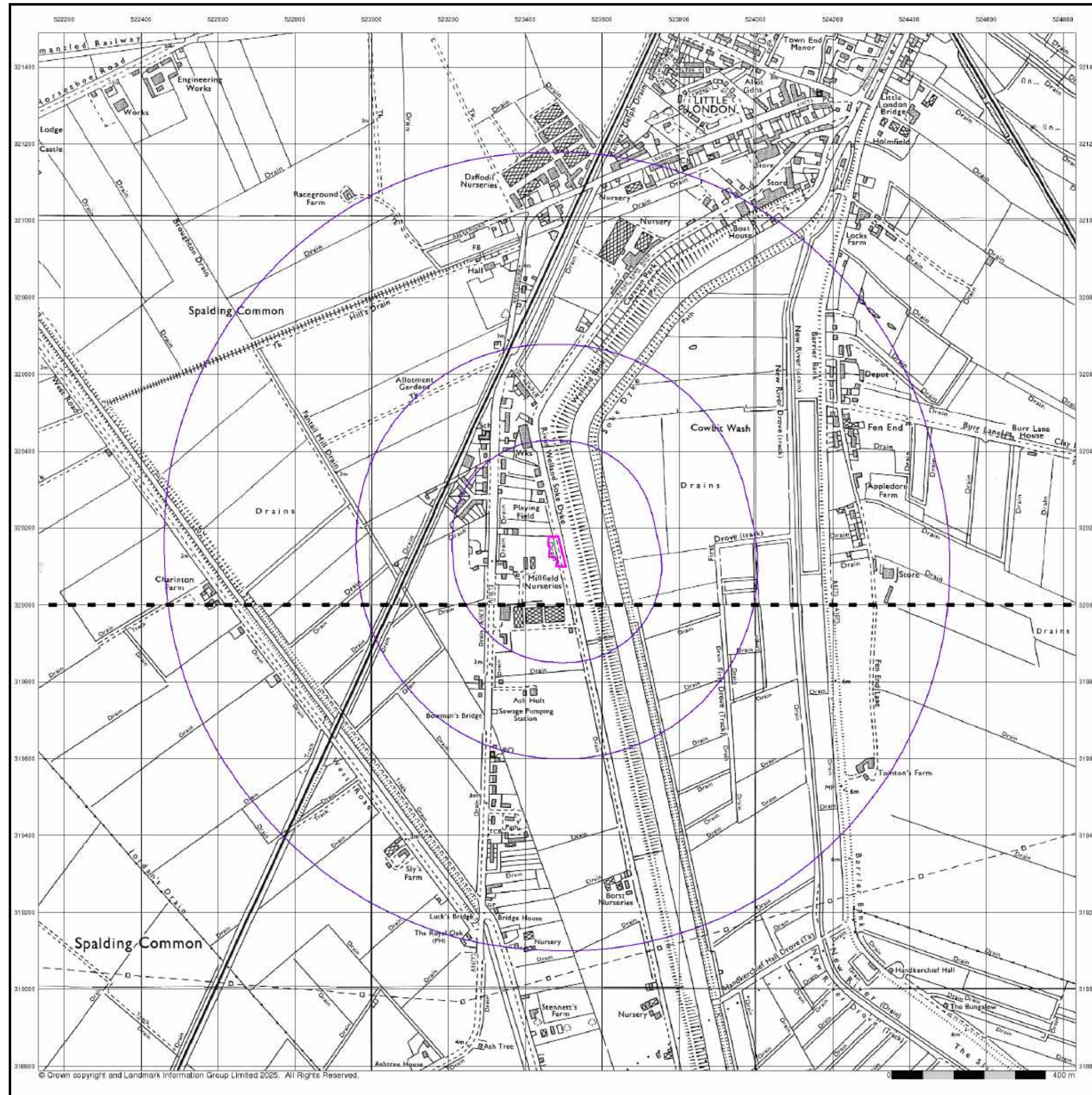


Order Details

Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire



Ordnance Survey Plan

Published 1971 - 1979

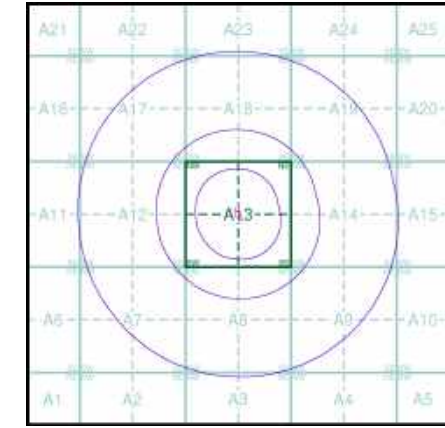
Source map scale - 1:10,000

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)

TF22SW	1971
TF21NW	1979

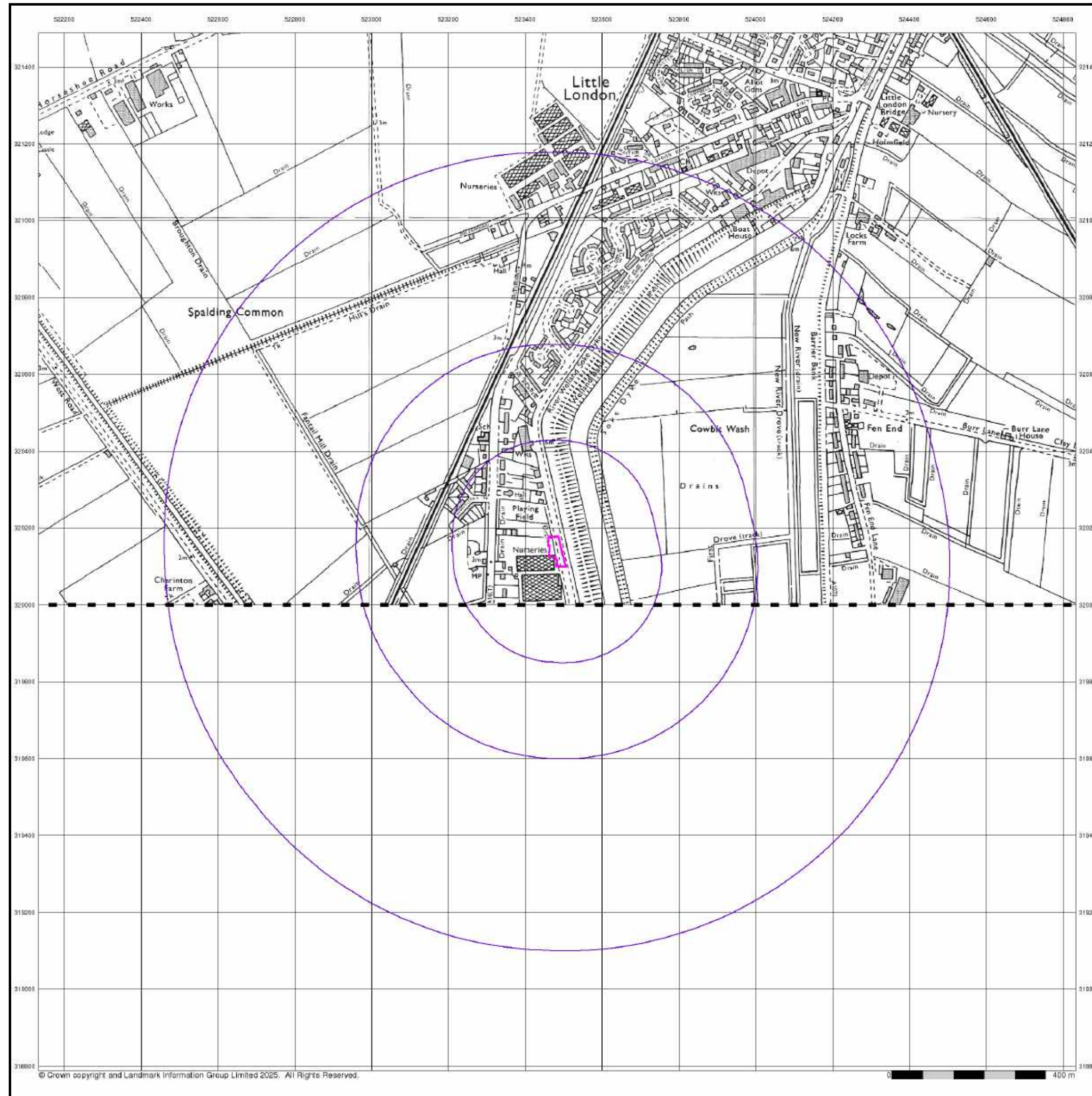
Historical Map - Slice A



Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire



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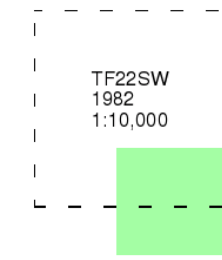
Ordnance Survey Plan

Published 1982

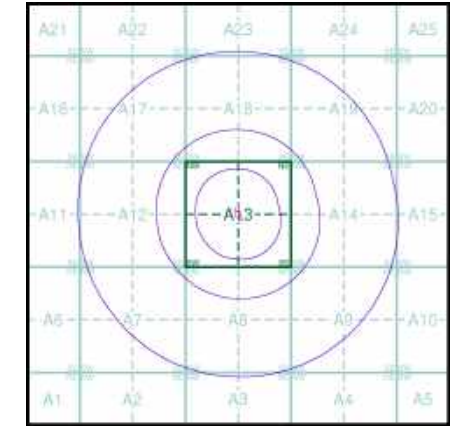
Source map scale - 1:10,000

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

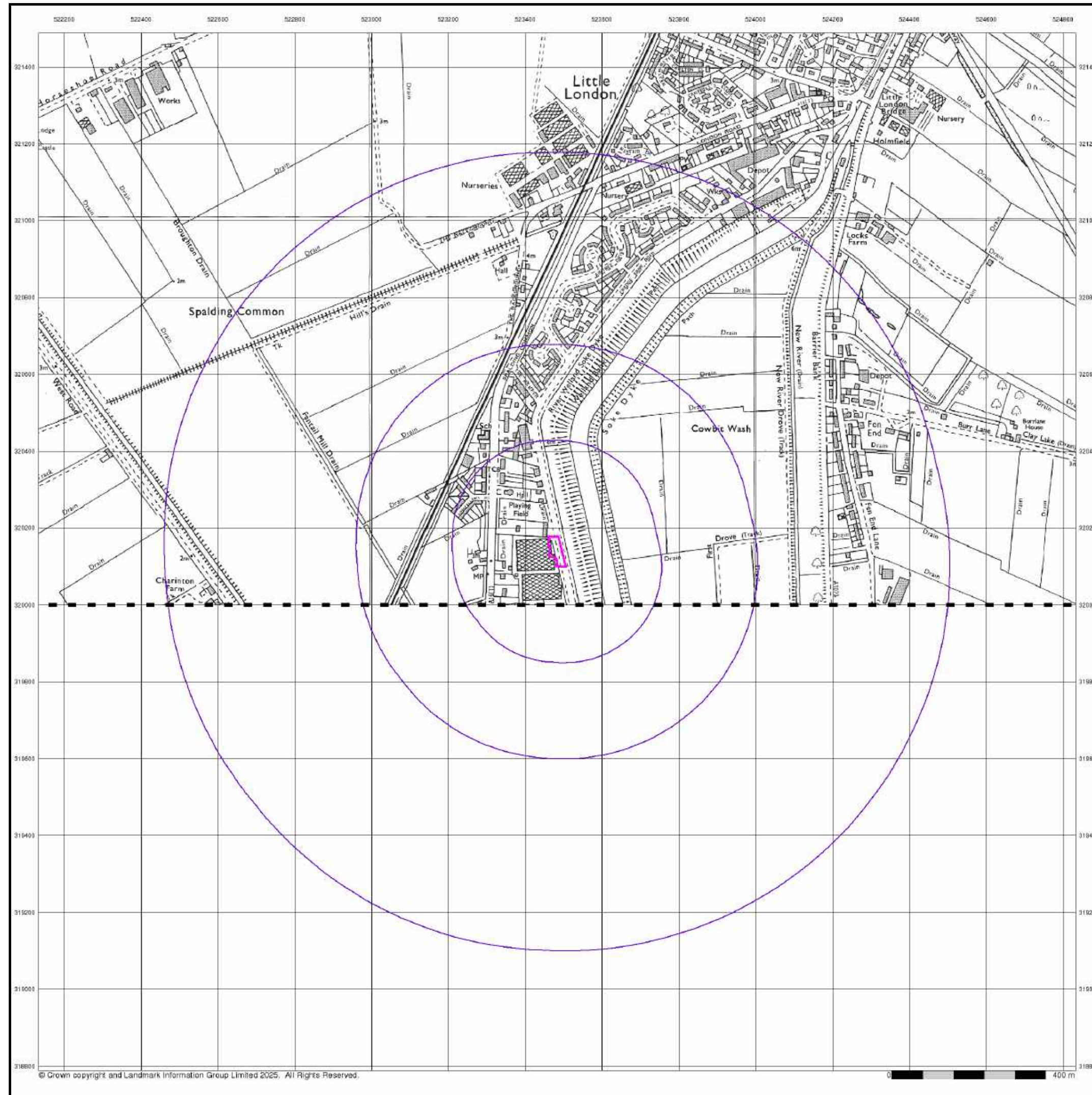


Order Details

Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire



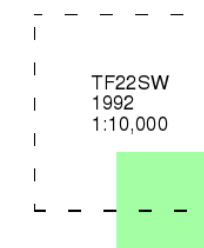
Ordnance Survey Plan

Published 1992

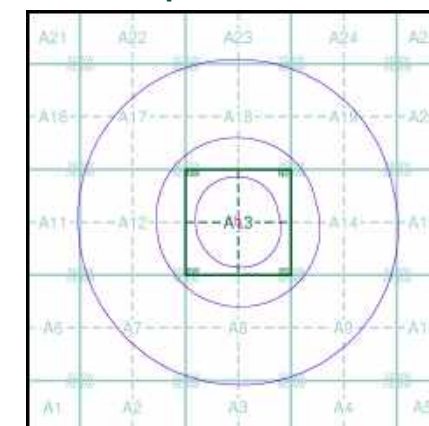
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

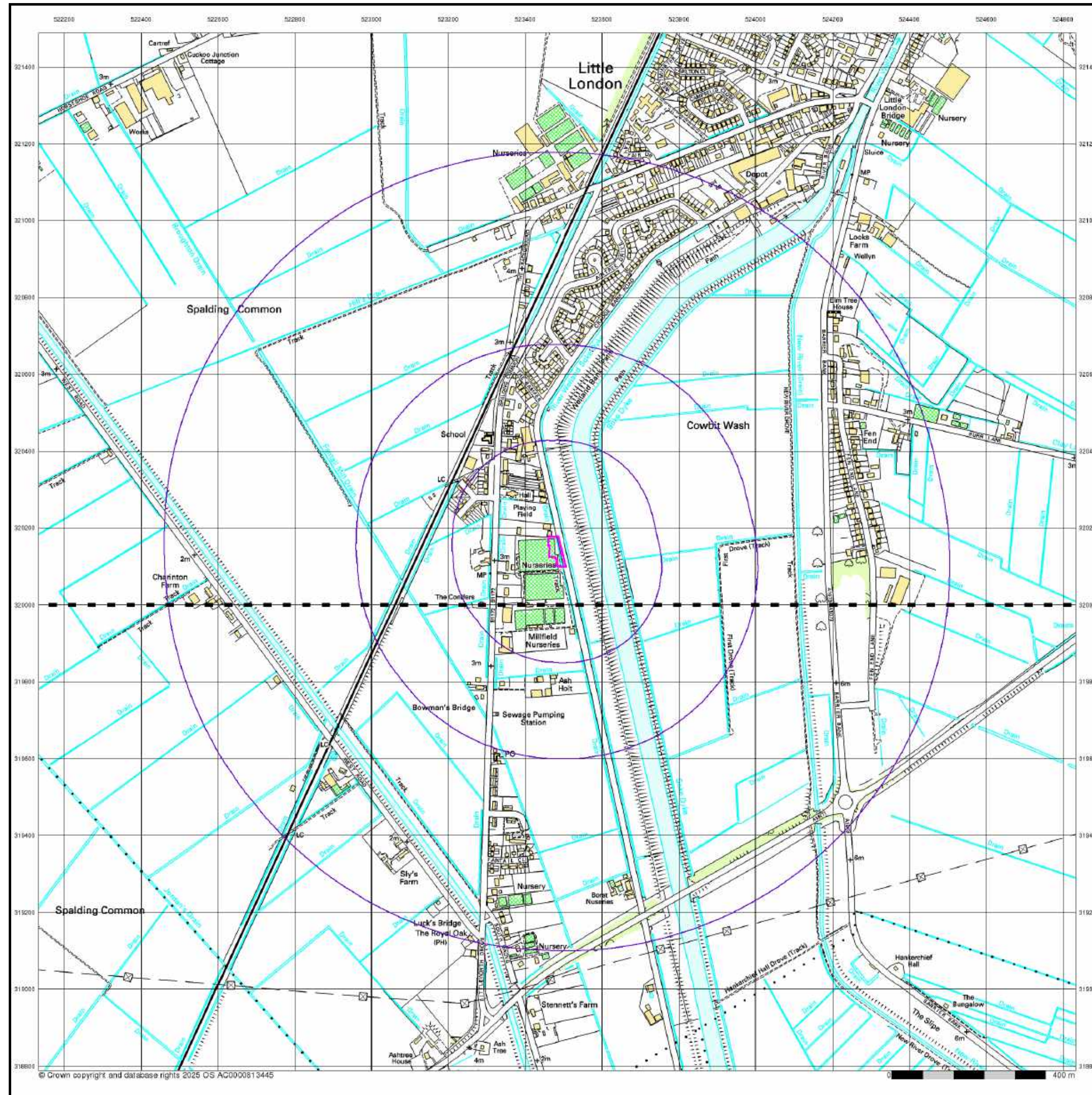


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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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)

TF22SW	2000	1:10,000
TF21NW	2000	1:10,000

Historical Map - Slice A

Order Details

Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

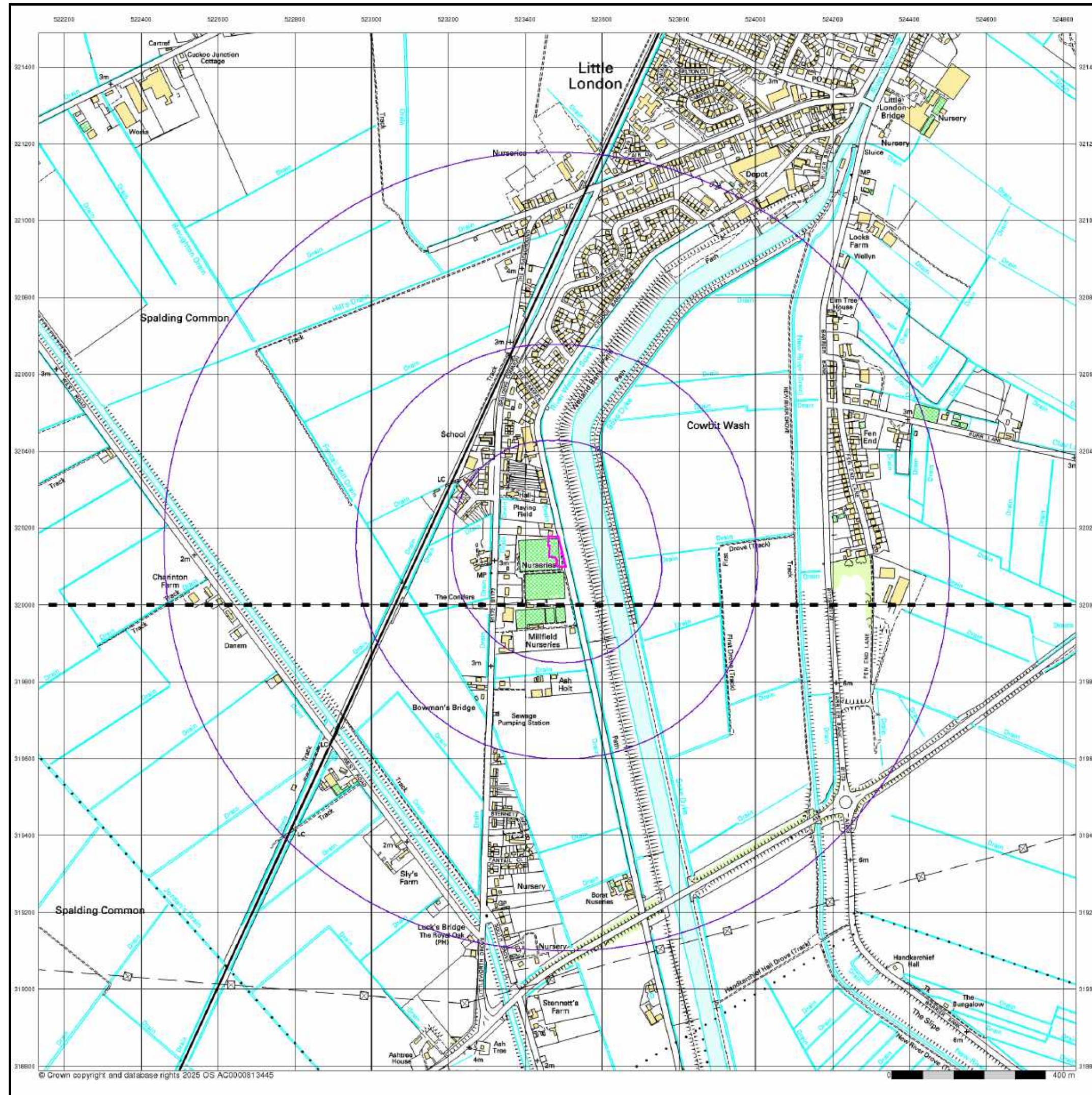
Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF22SW	2006	1:10,000
TF21NW	2006	1:10,000

Historical Map - Slice A

Order Details

Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

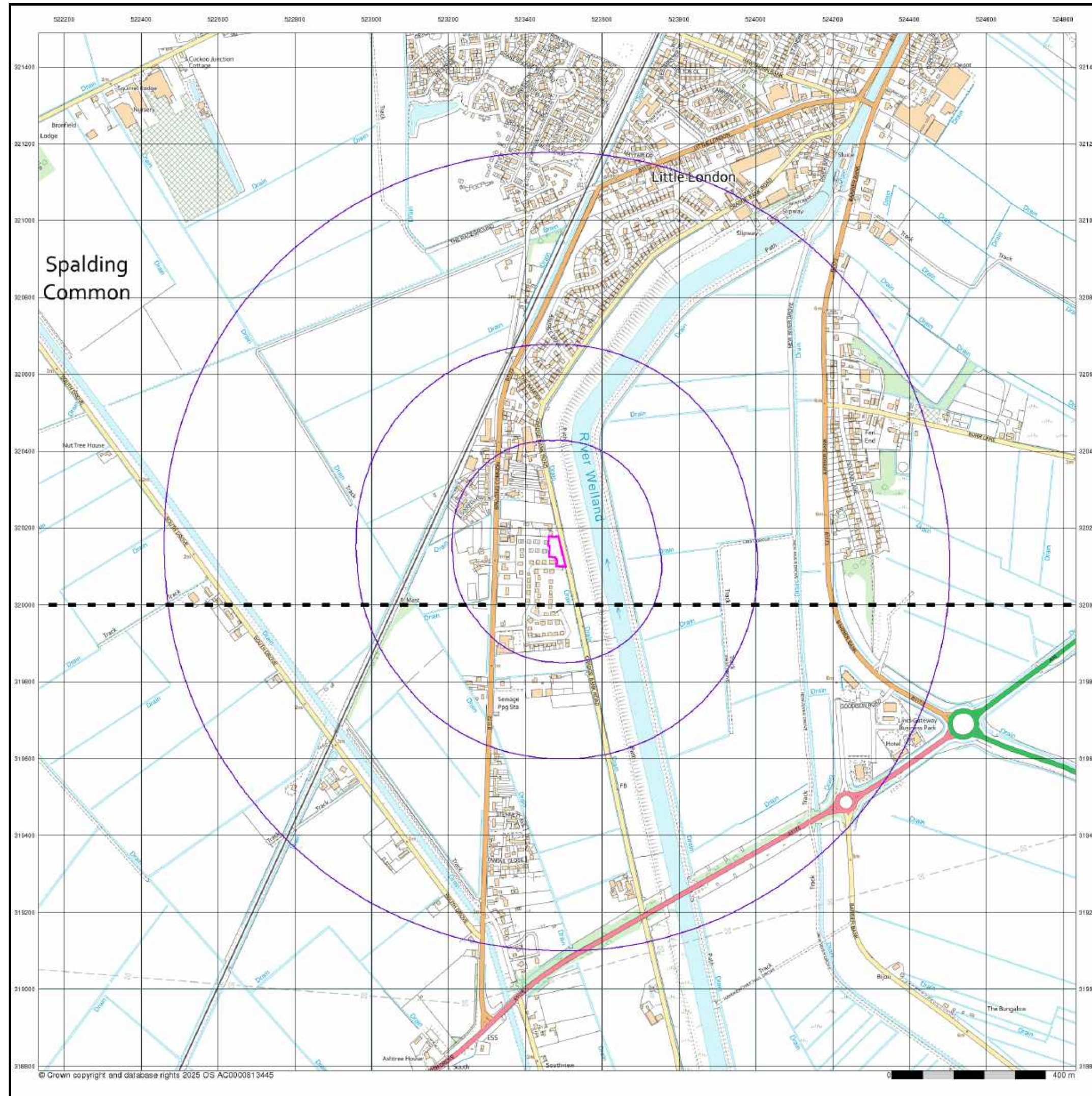
Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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VectorMap Local

Published 2024

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF22SW	2024	Variable
TF21NW	2024	Variable

Historical Map - Slice A

Order Details

Order Number:	374132749_1_1
Customer Ref:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details

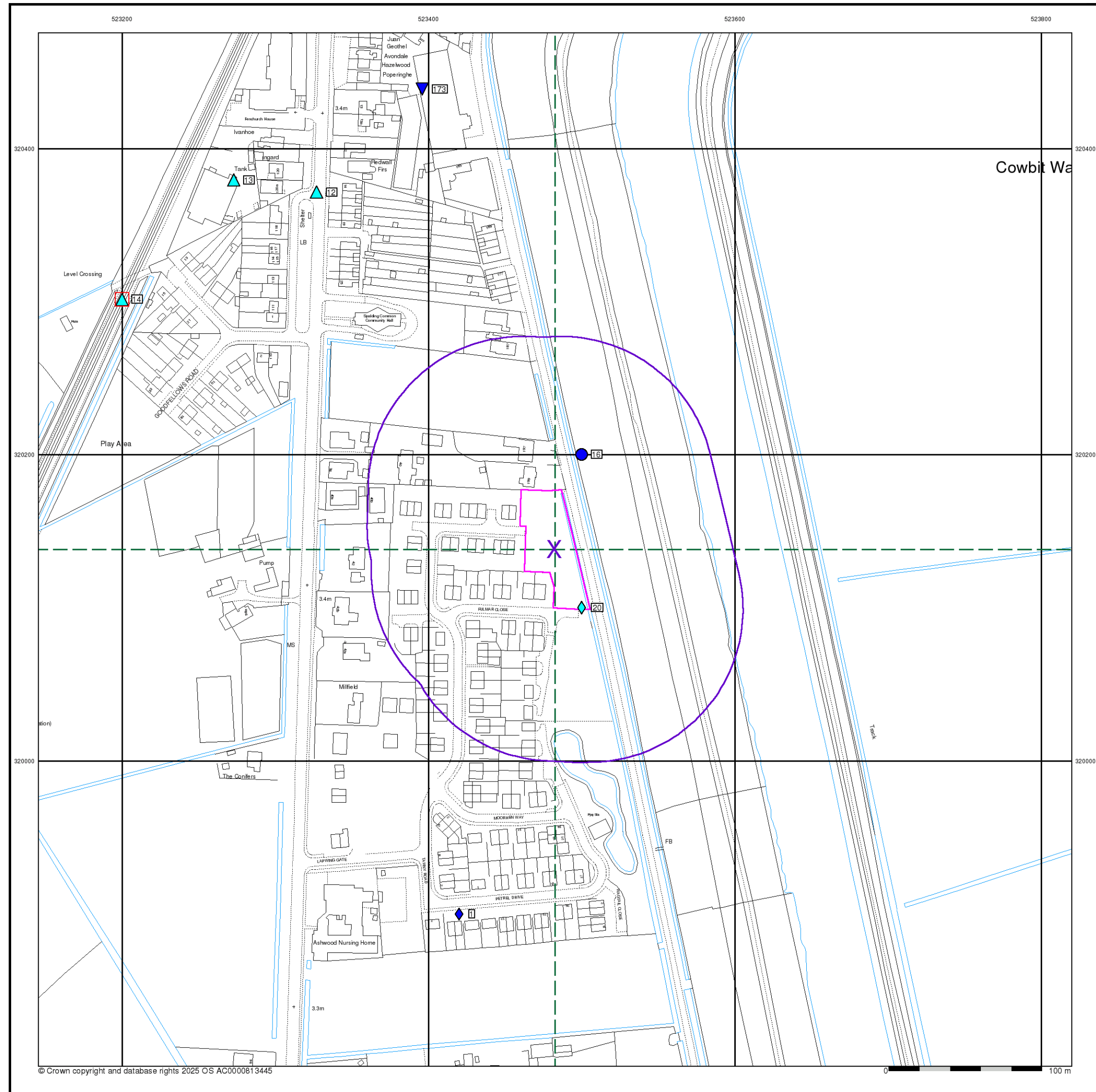
Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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Envirocheck

LANDMARK INFORMATION GROUP

General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Plot Buffer (m): 100

Site Details

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

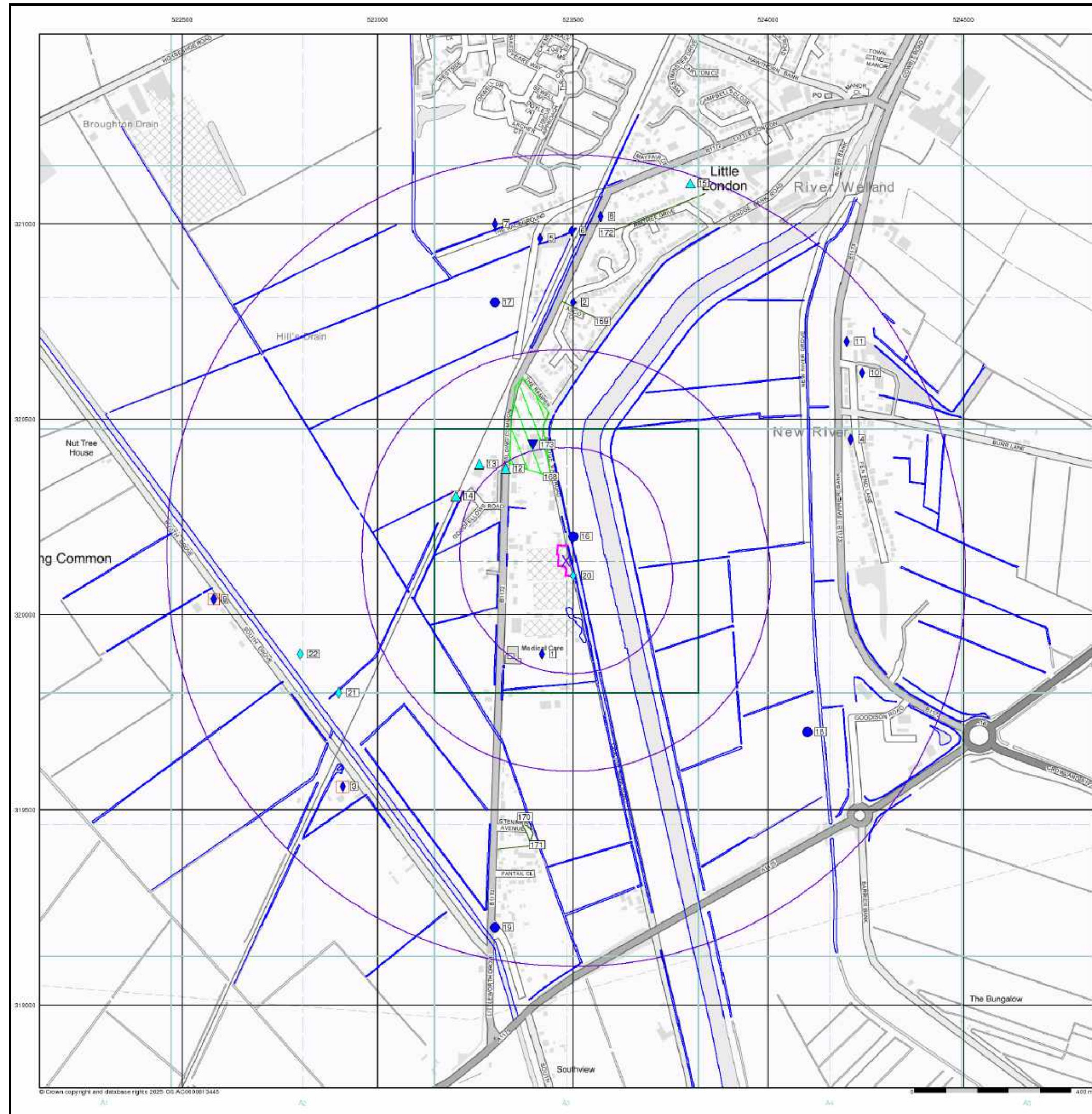
Landmark

INFORMATION GROUP

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

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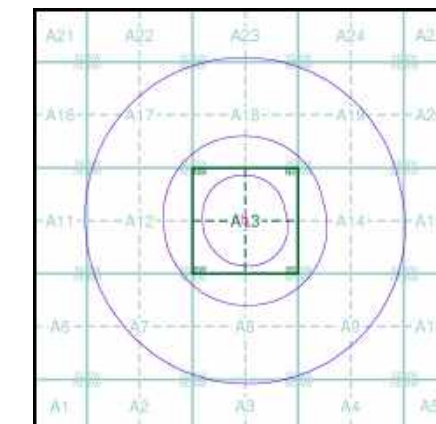
A Landmark Information Group Service v50.0 08-Apr-2025 Page 1 of 1



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- 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
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- 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
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - 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

Site Sensitivity Map - Slice A

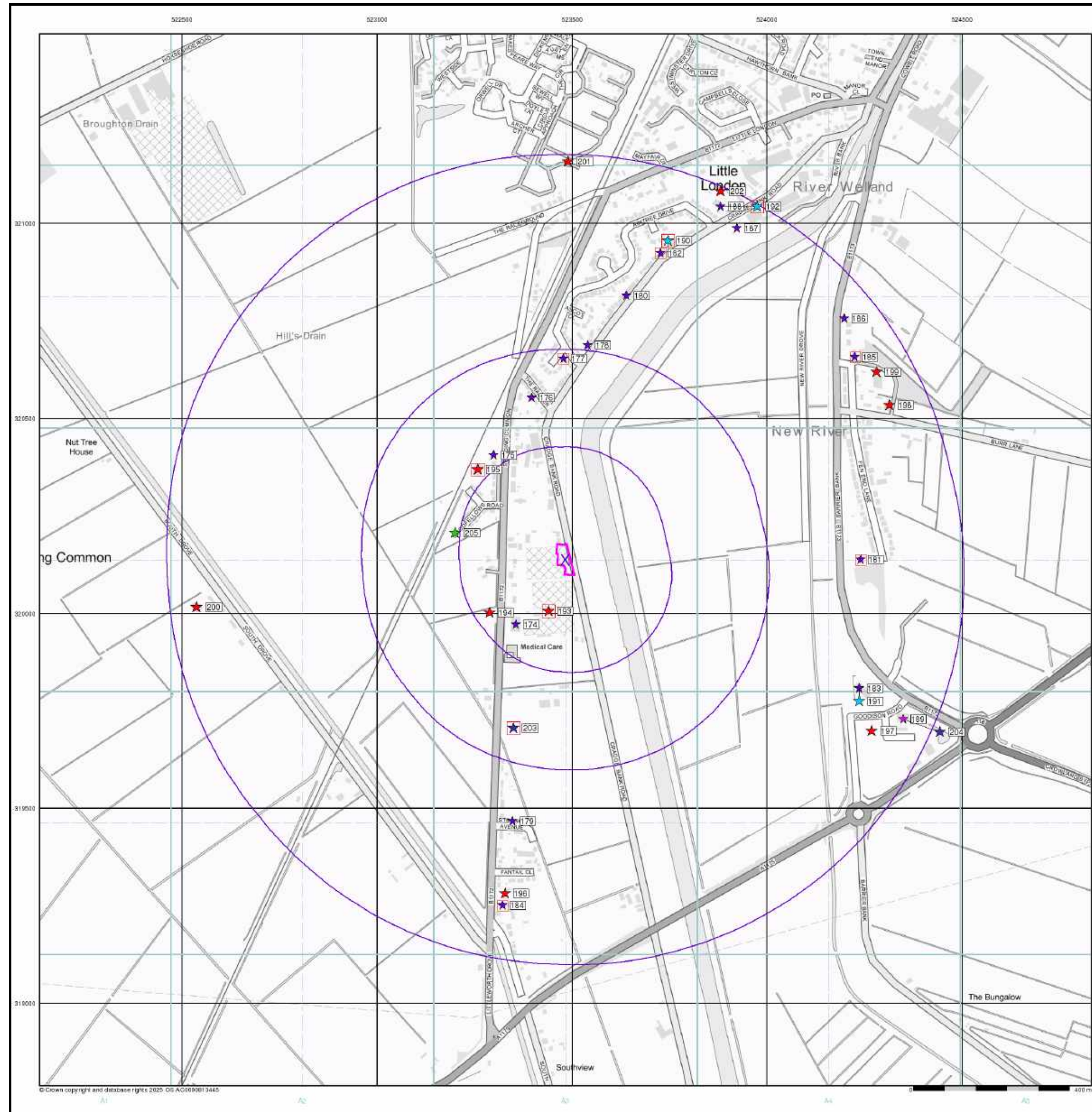


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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Industrial Land Use Map

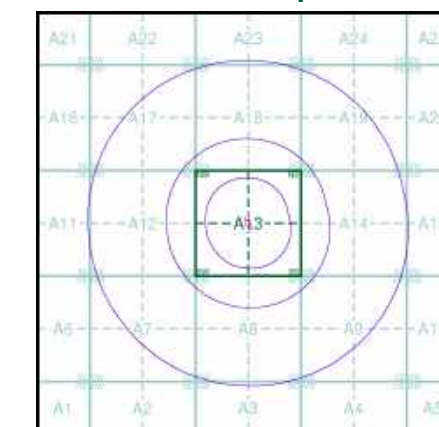
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A

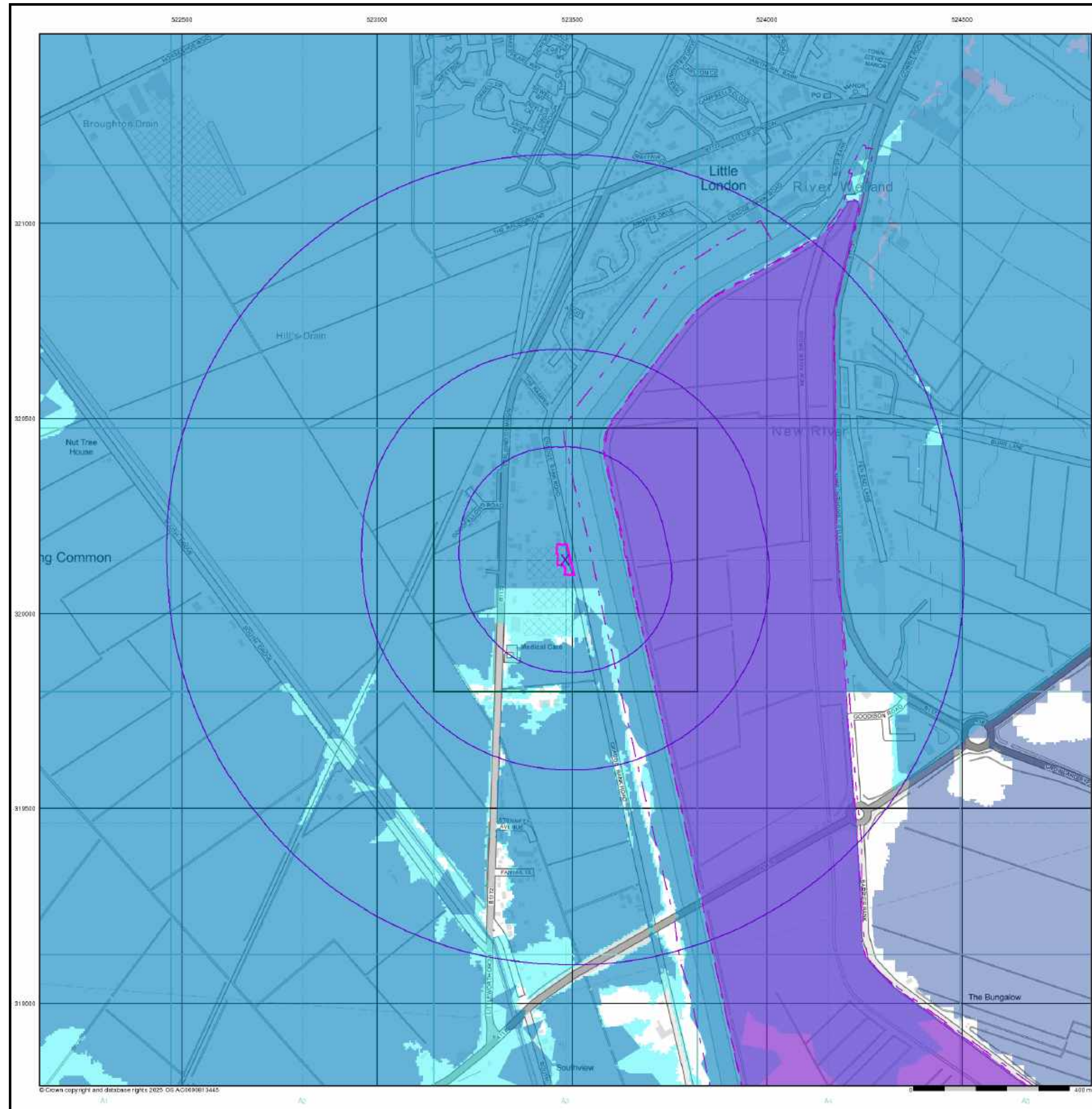


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



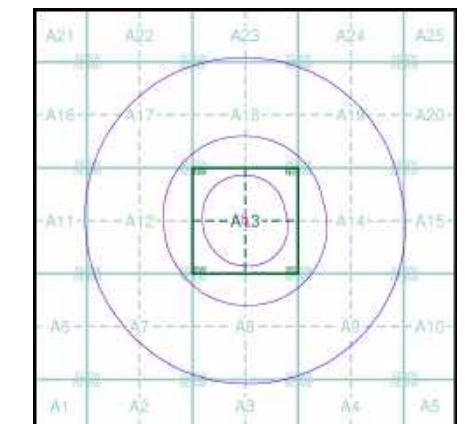
General

- 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: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire

General

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

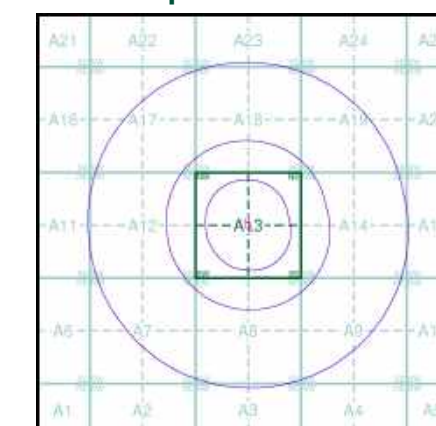
Agency and Hydrological (Boreholes)

- 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

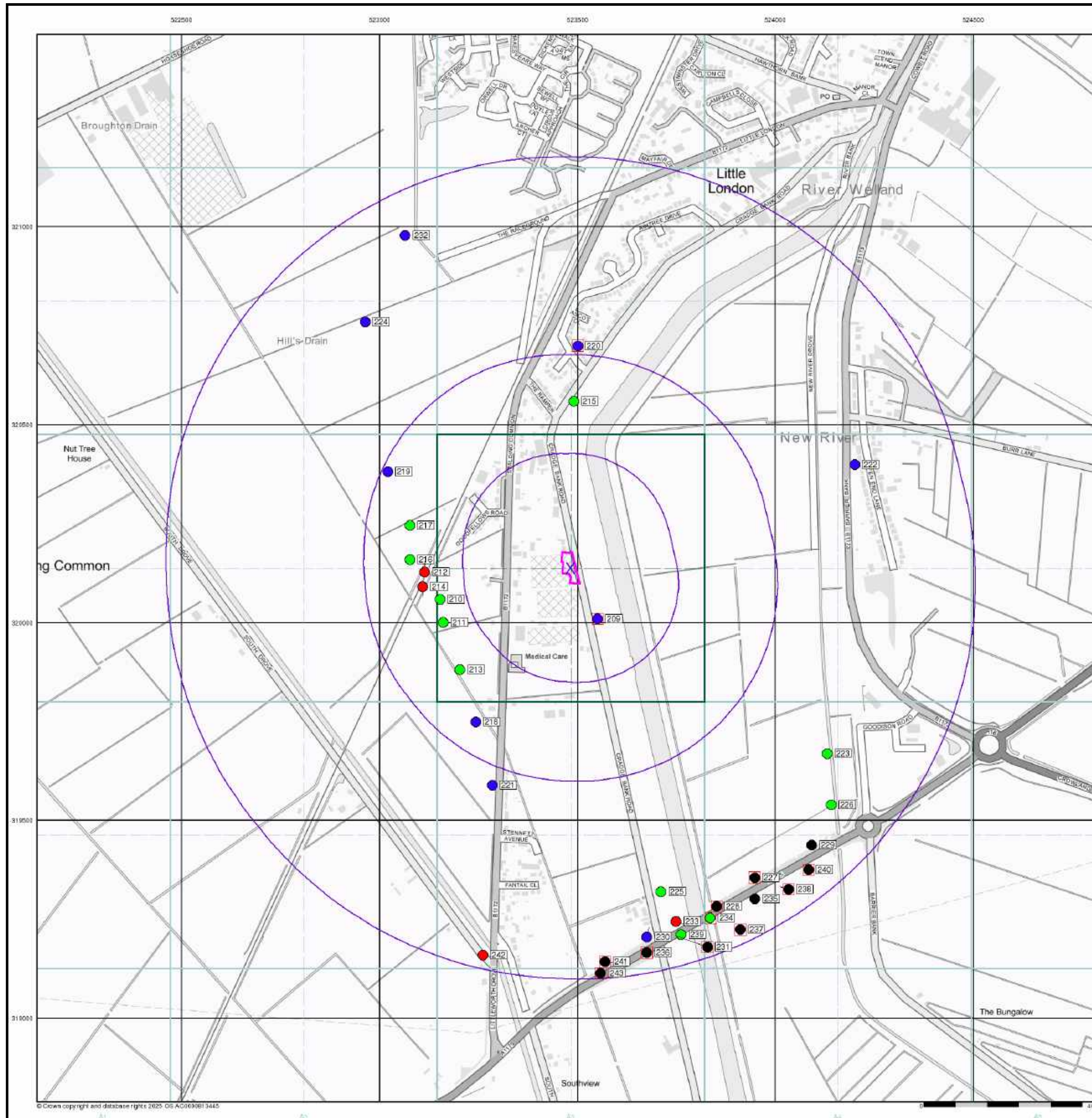


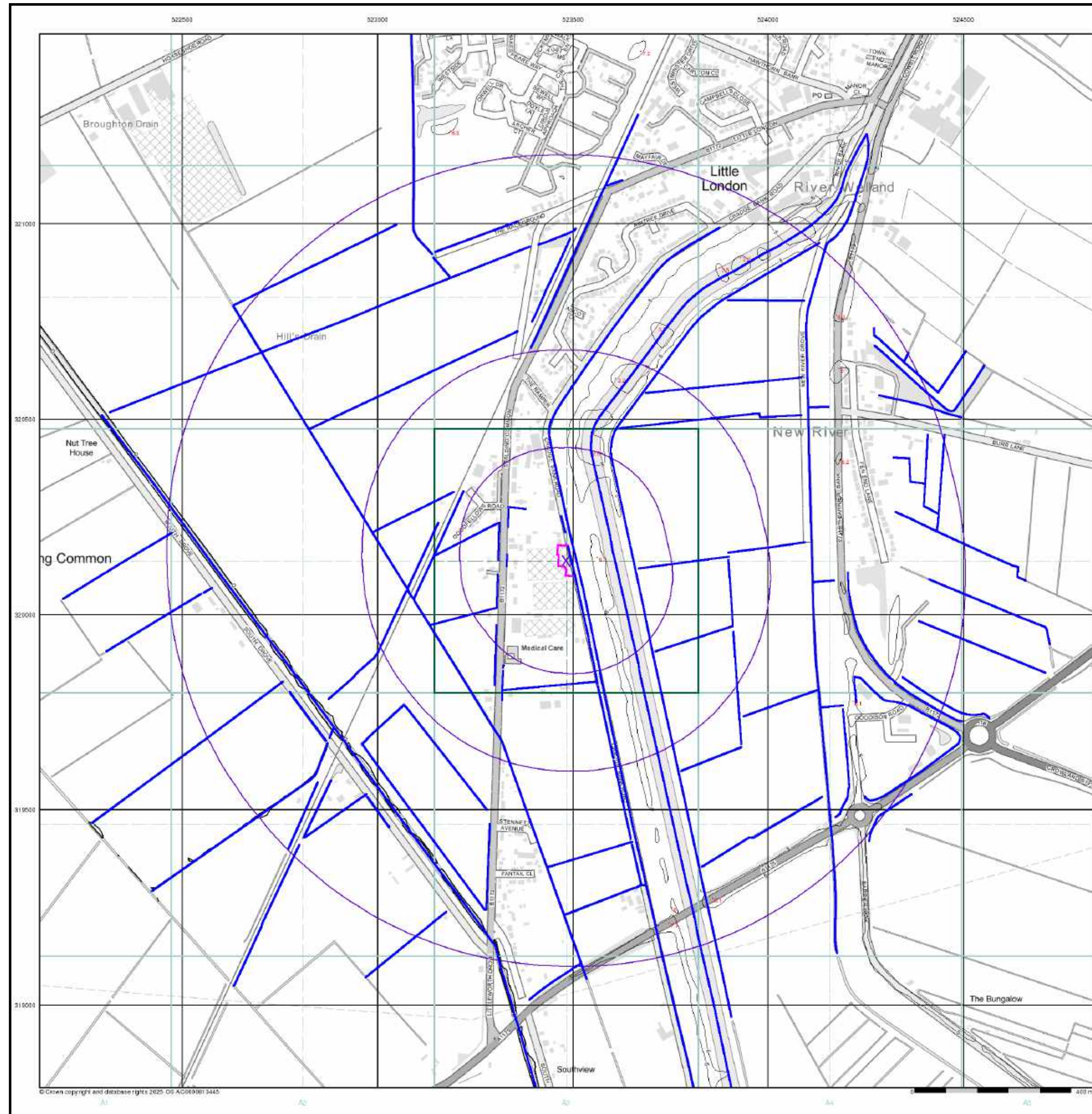
Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire





General

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

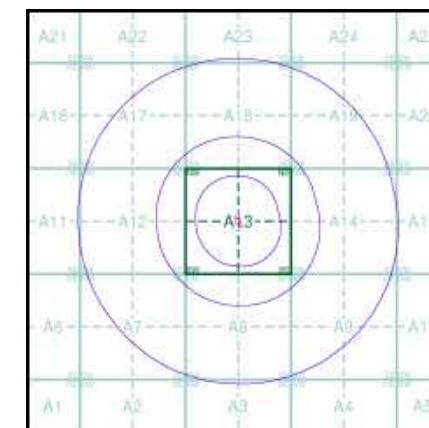
OS Water Network Data

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

Contours (height in meters)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A

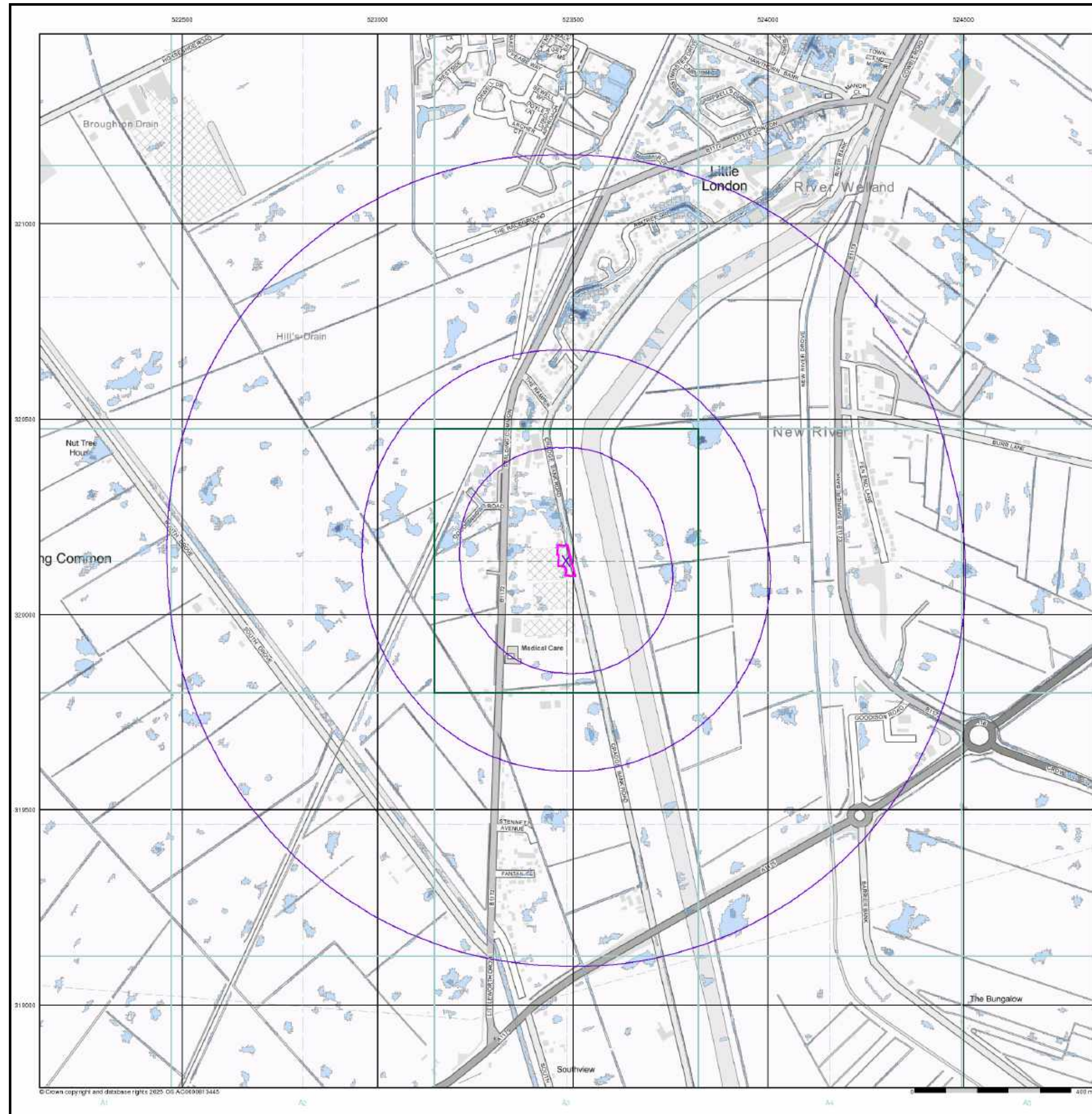


Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire



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General

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

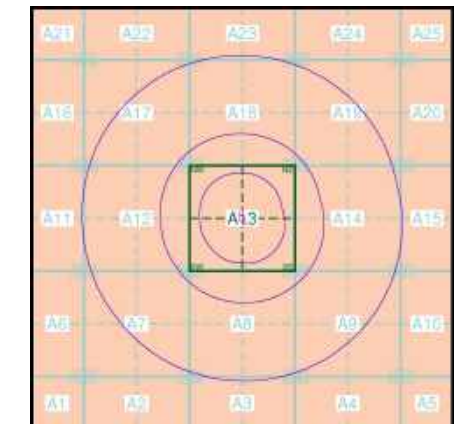
Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

EA/NRW Suitability Map - Slice A



Order Details

Order Number: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
Cradge Bank, Spalding, Lincolnshire

WFD Surface Waters Map

General

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

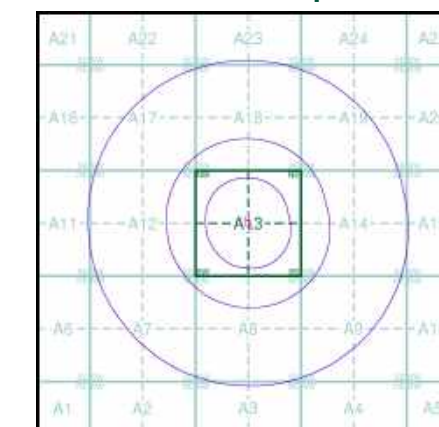
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

Order Number: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay and Silt	Not Supplied - Holocene
	TFD1	Tidal Flat Deposits, 1	Clay and Silt	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	OXC	Oxford Clay Formation	Mudstone	Not Supplied - Callovian

Geology 1:50,000 Maps

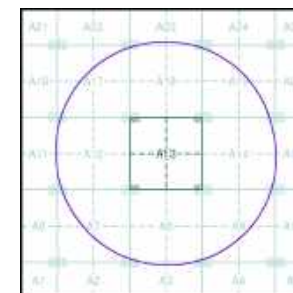
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 144
Map Name: Spalding
Map Date: 1992
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Not Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A

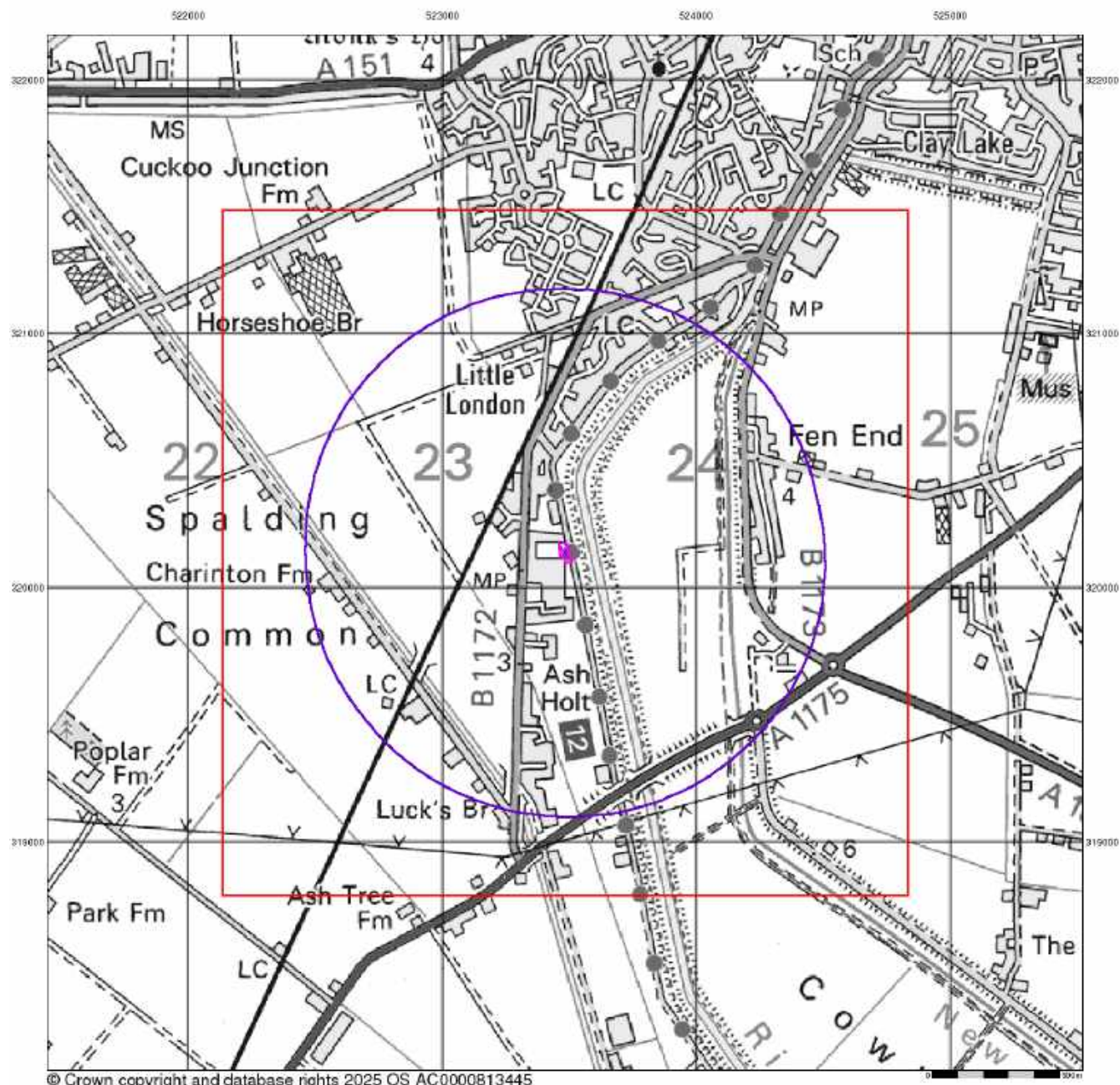


Order Details:

Order Number: 374132749_1_1
Customer Reference: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details:

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

**Envirocheck®**

Artificial Ground and Landslip

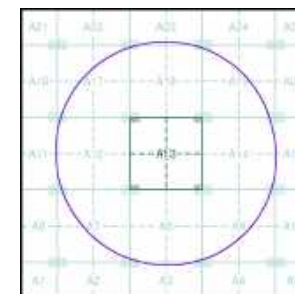
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes founder strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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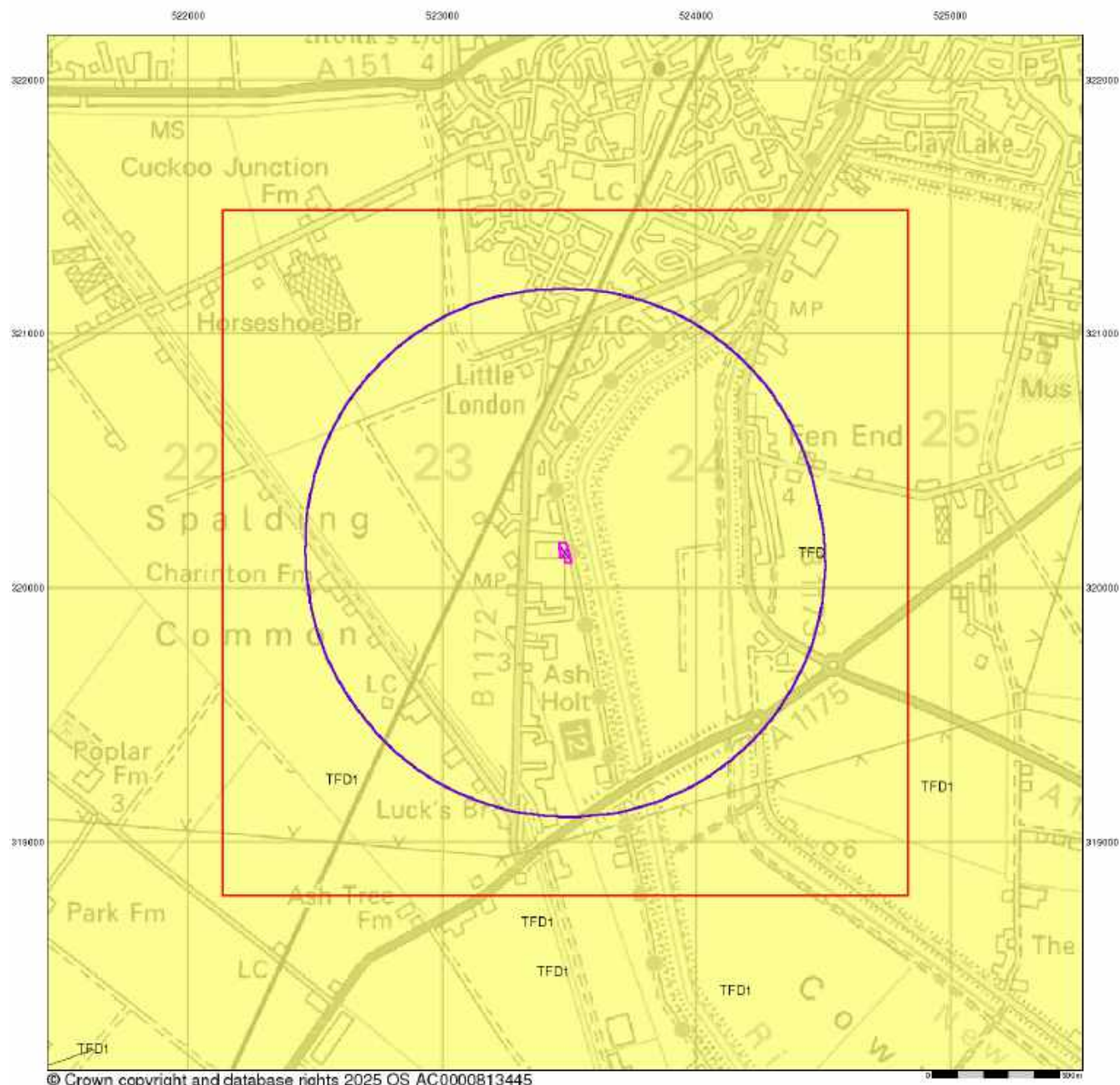
Order Number:	374132749_1_1
Customer Reference:	Cradge Bank
National Grid Reference:	523480, 320140
Slice:	A
Site Area (Ha):	0.22
Search Buffer (m):	1000

Site Details:

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank,
Spalding, Lincolnshire

Landmark
INFORMATION GROUP

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



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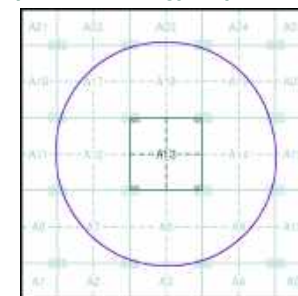
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

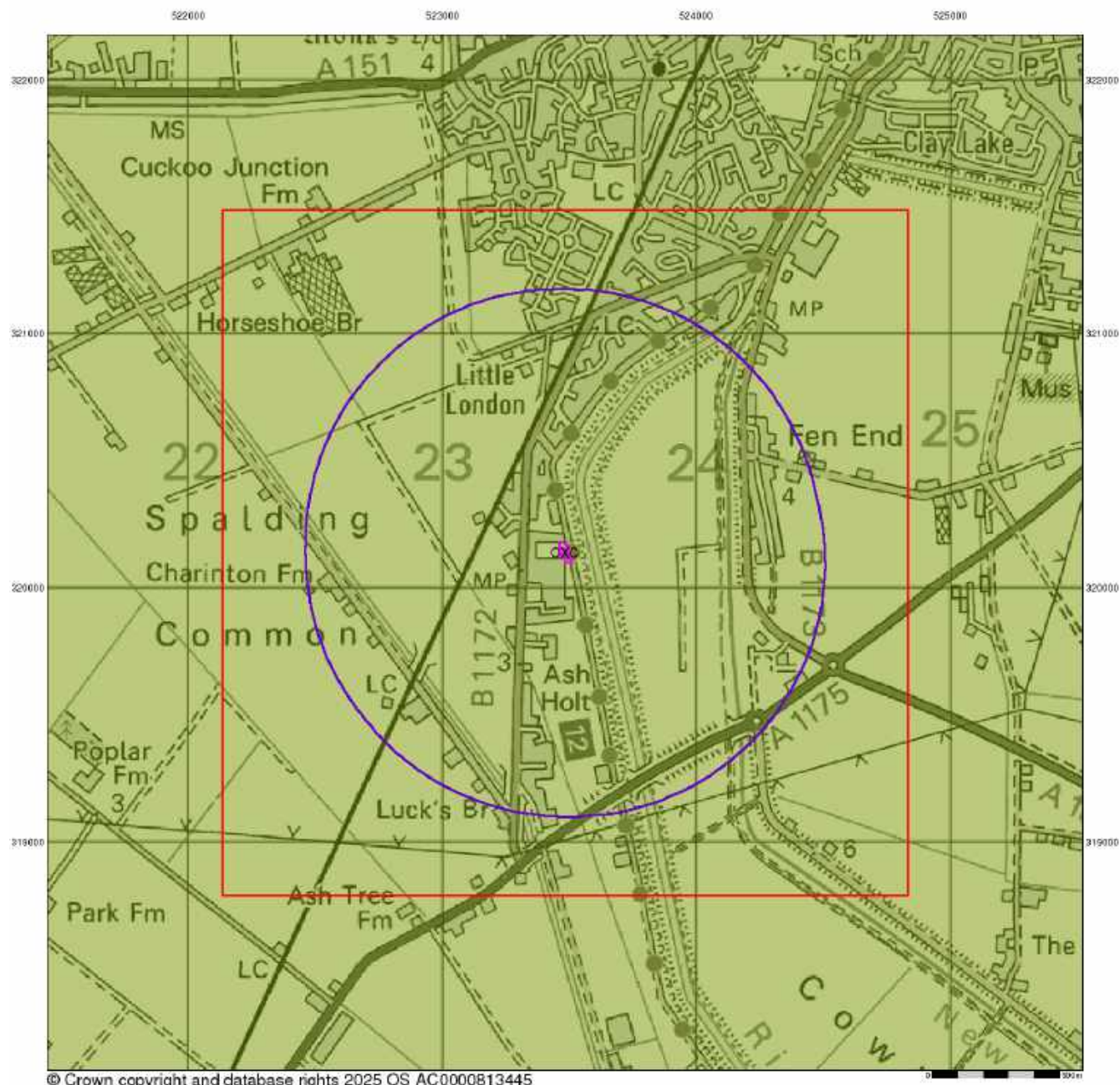
Order Number: 374132749_1_1
Customer Reference: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

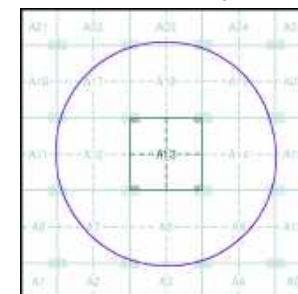
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 374132749_1_1
Customer Reference: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details:

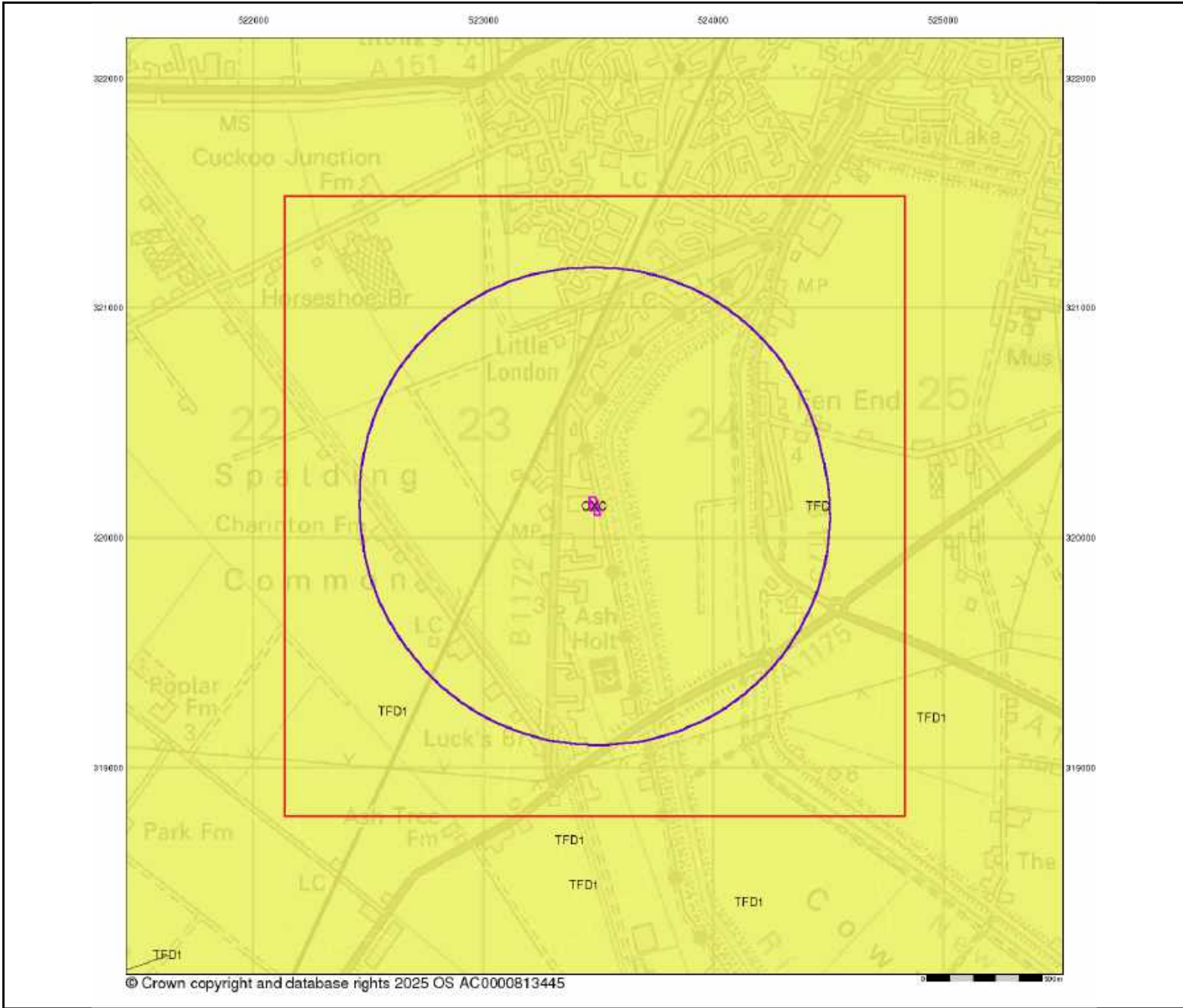
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v15.0 08-Apr-2025

Page 4 of 5



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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

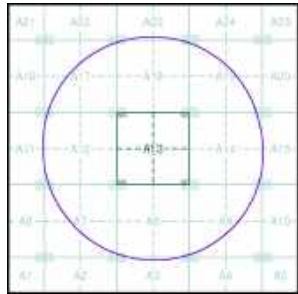
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 374132749_1_1
Customer Reference: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details:

Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

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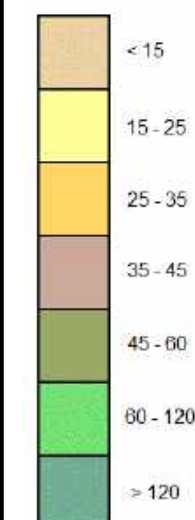
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

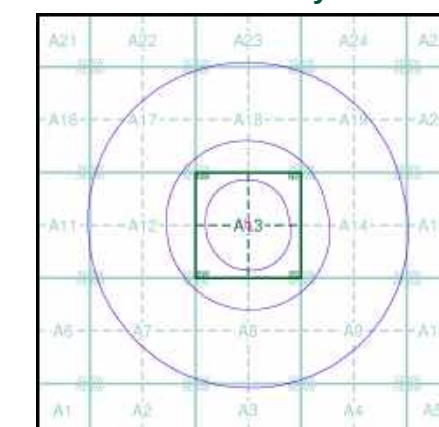
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

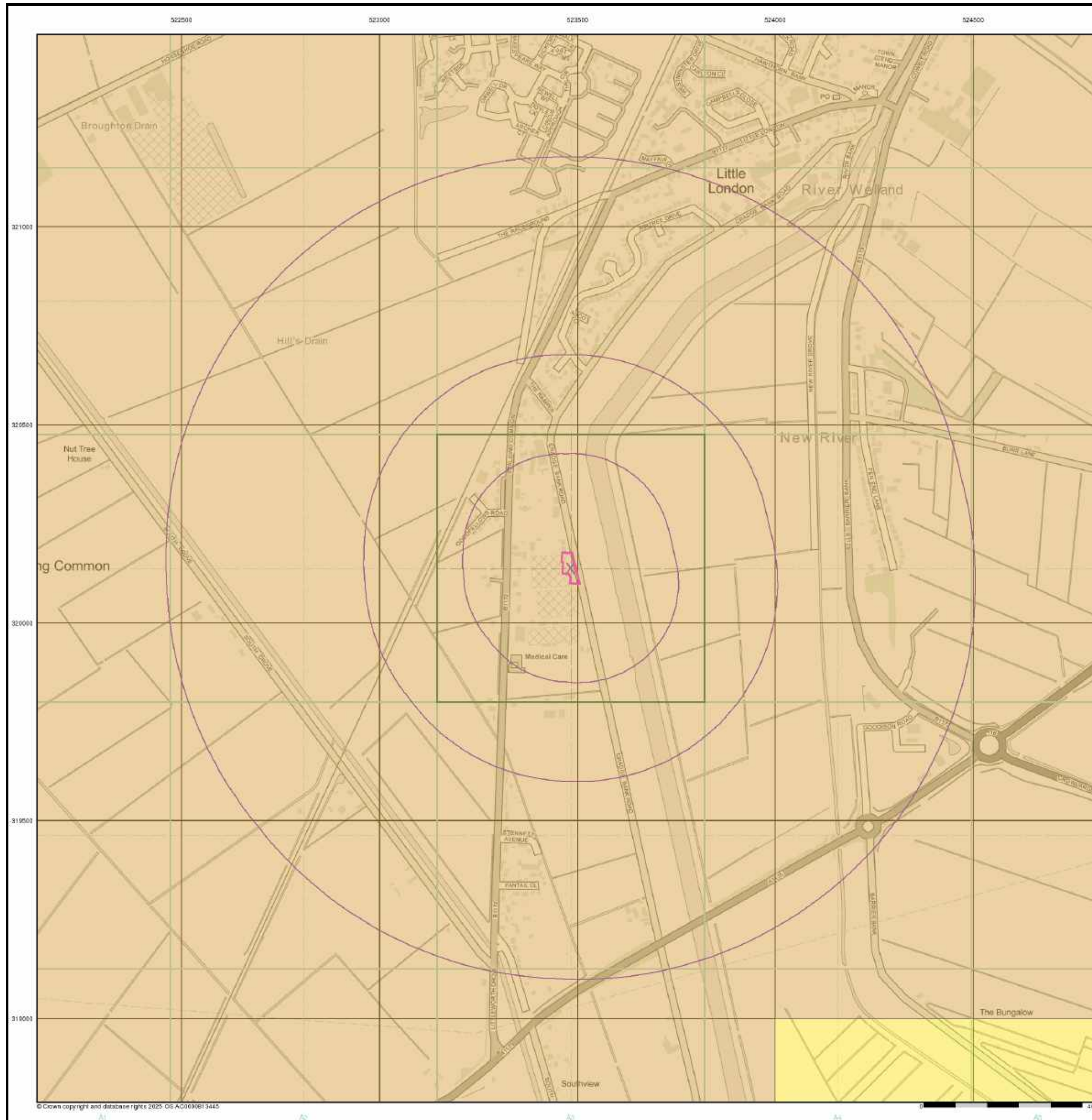


Order Details

Order Details: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire

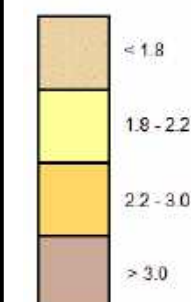


General

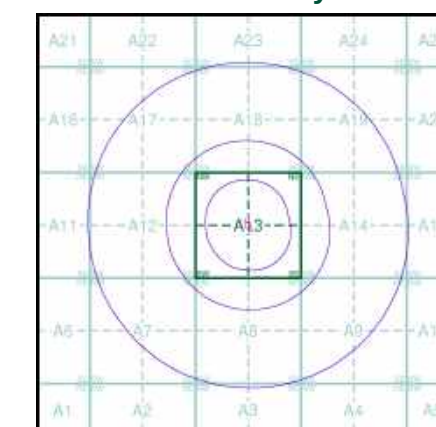
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

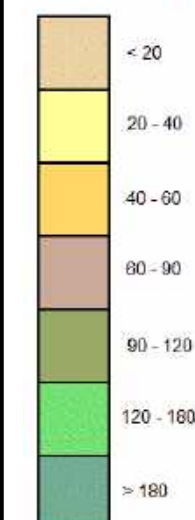
Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire

General

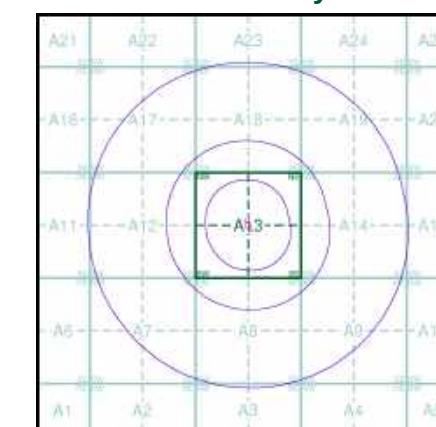
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

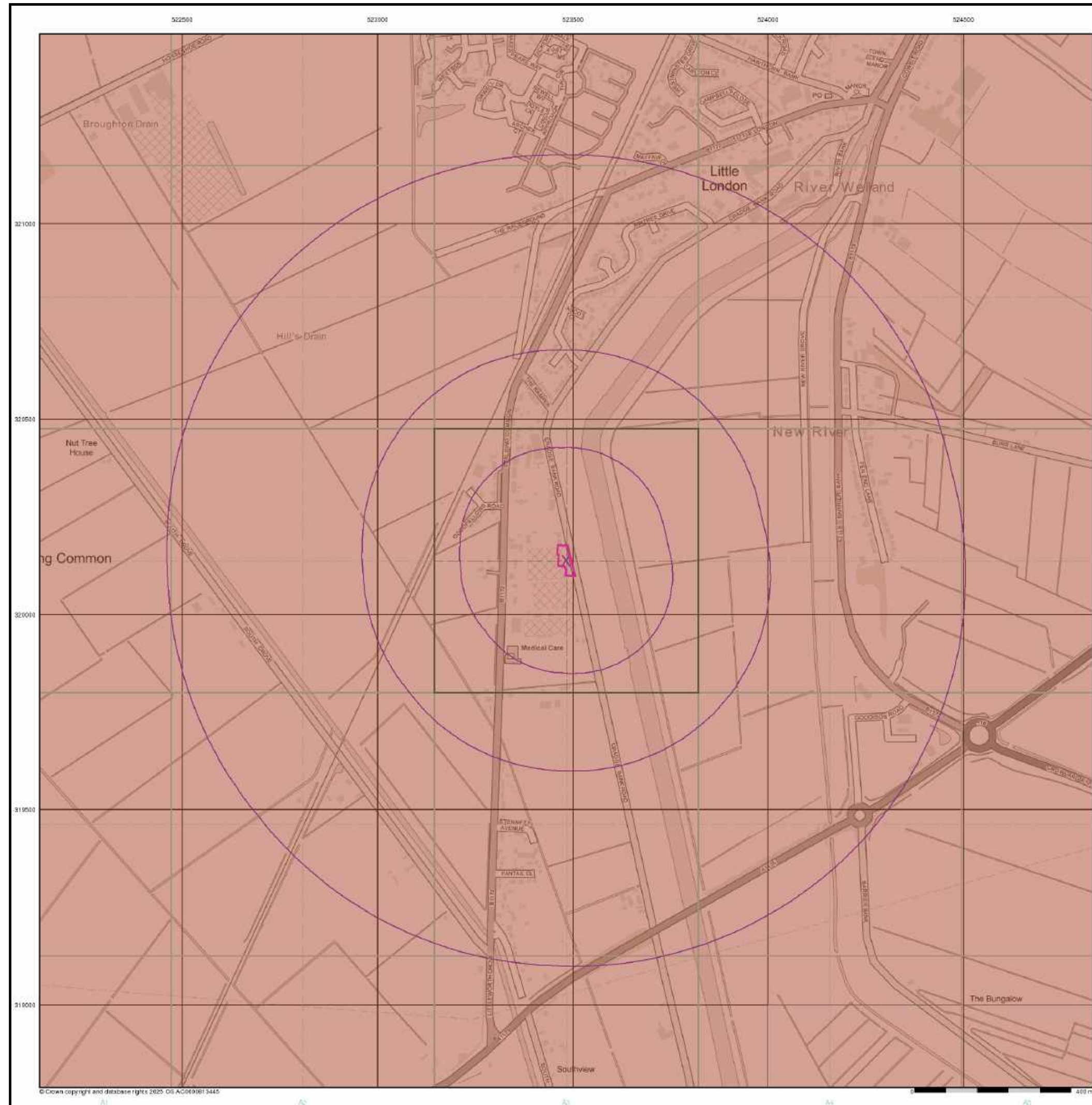


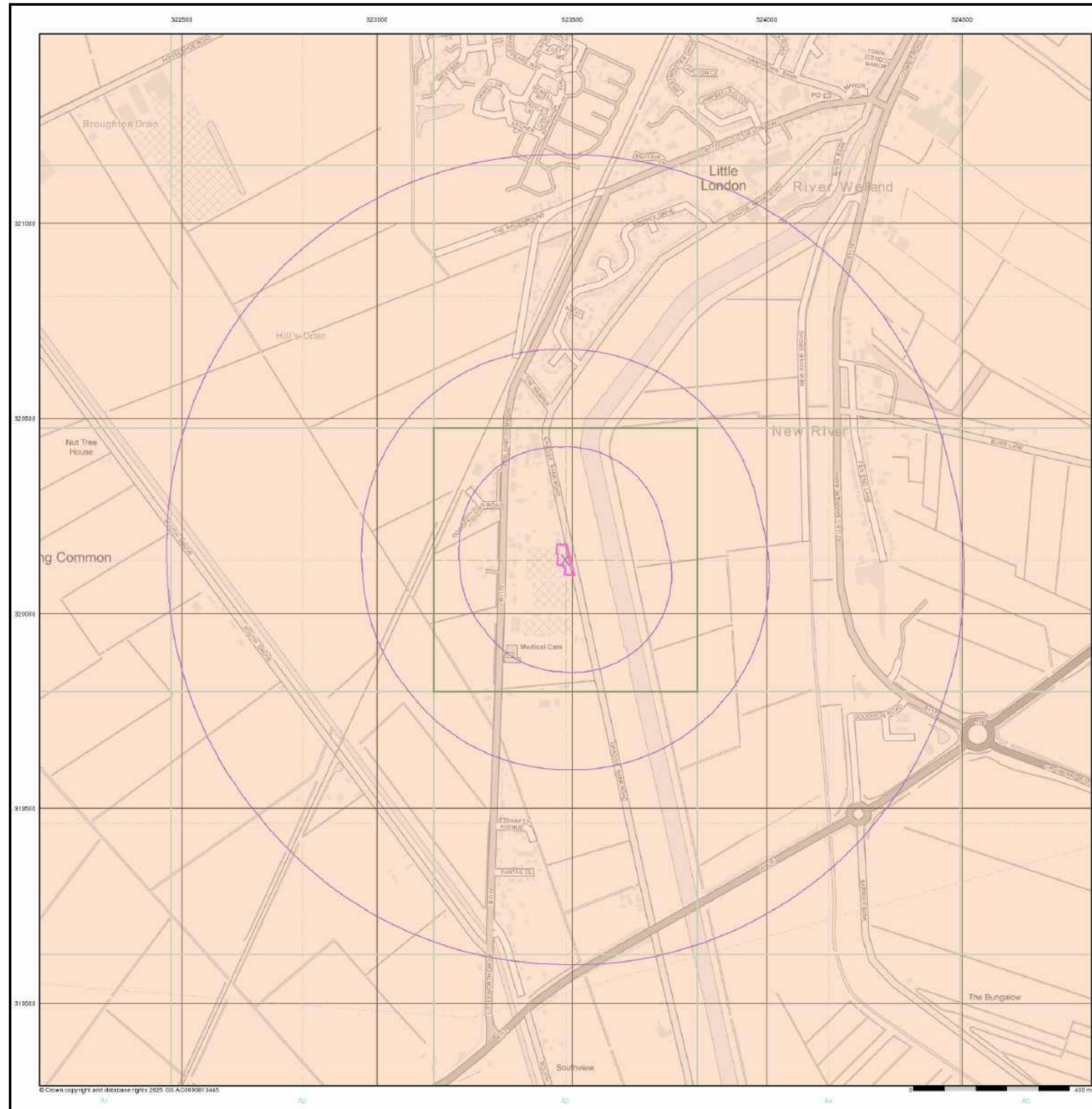
Order Details

Order Details: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire



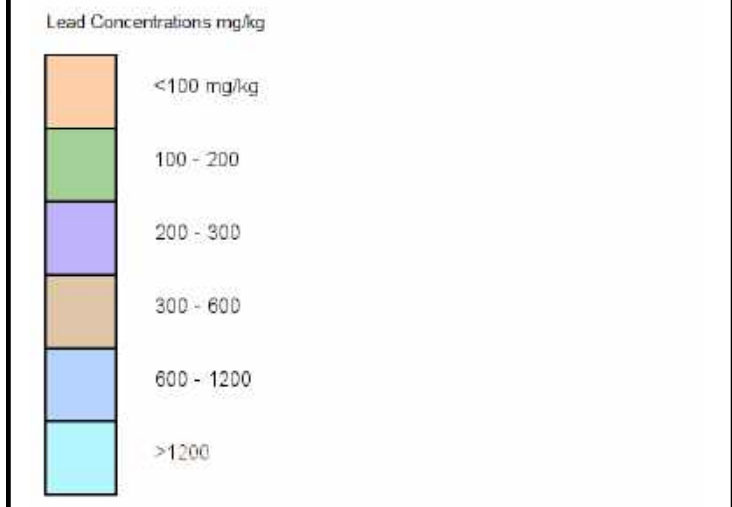


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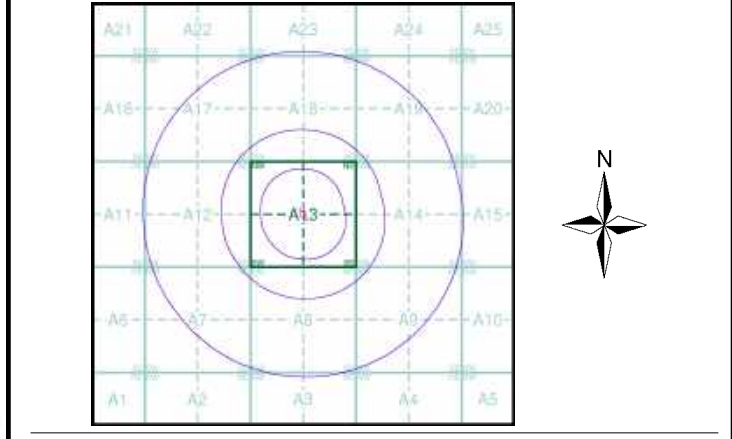
General

Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 374132749_1_1
Customer Ref: Cradge Bank
National Grid Reference: 523480, 320140
Slice: A
Site Area (Ha): 0.22
Search Buffer (m): 1000

Site Details

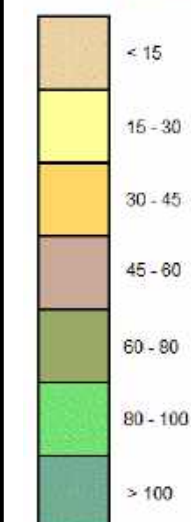
Scenic Homes Development Site, Land Adjacent to 199 Cradge Bank, Spalding, Lincolnshire

General

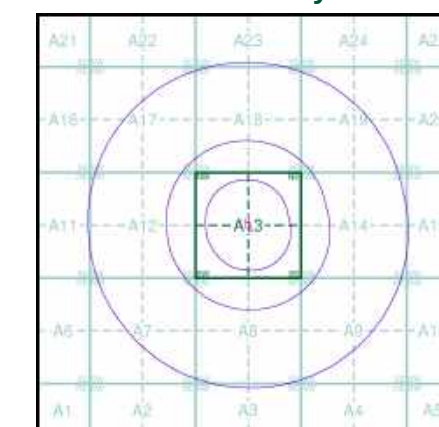
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

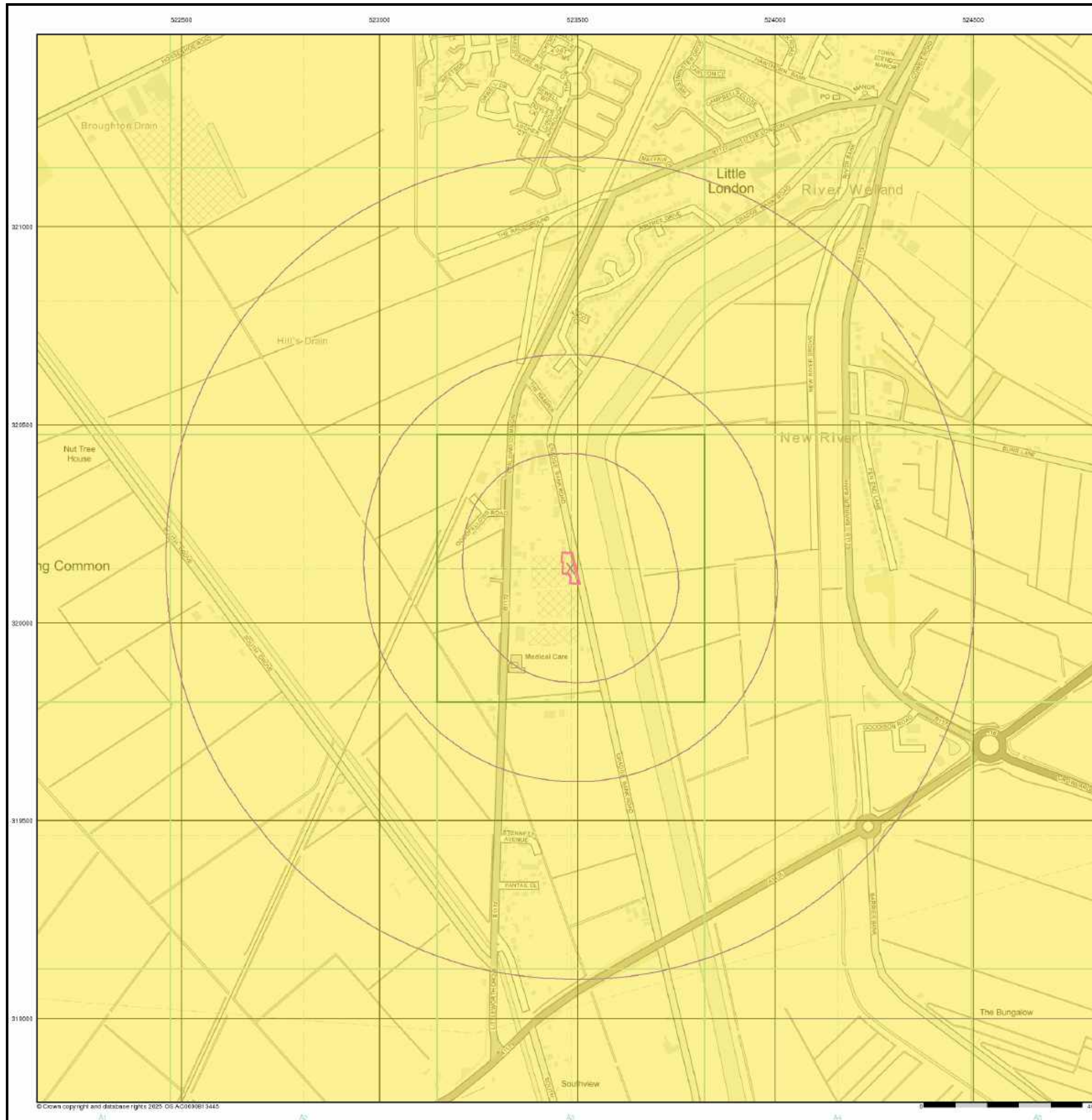


Order Details

Order Details: 374132749_1_1
 Customer Ref: Cradge Bank
 National Grid Reference: 523480, 320140
 Slice: A
 Site Area (Ha): 0.22
 Search Buffer (m): 1000

Site Details

Scenic Homes Development Site, Land Adjacent to 199
 Cradge Bank, Spalding, Lincolnshire

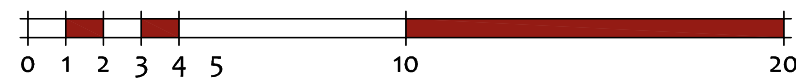
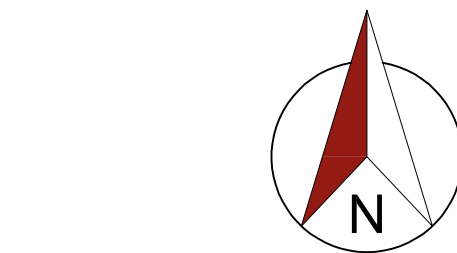


Appendix B – Development Information



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All Building Regulation inspections are to be carried out at the required stages.

REVISION NOTES;



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PROJECT
RESIDENTIAL DEVELOPMENT
LAND ADJACENT TO
199 CRADGE BANK
SPALDING
LINCOLNSHIRE



CLIENT
SCENIC HOMES

TITLE
PROPOSED SITE PLAN

DRAWING No.
099 (S) - 01

SCALE	DATE	REV
1:200 @ A1 - 1:400 @ A3	OCT 24	



street scene / cross section

NOTE - Levels states relate to Ordnance Datum

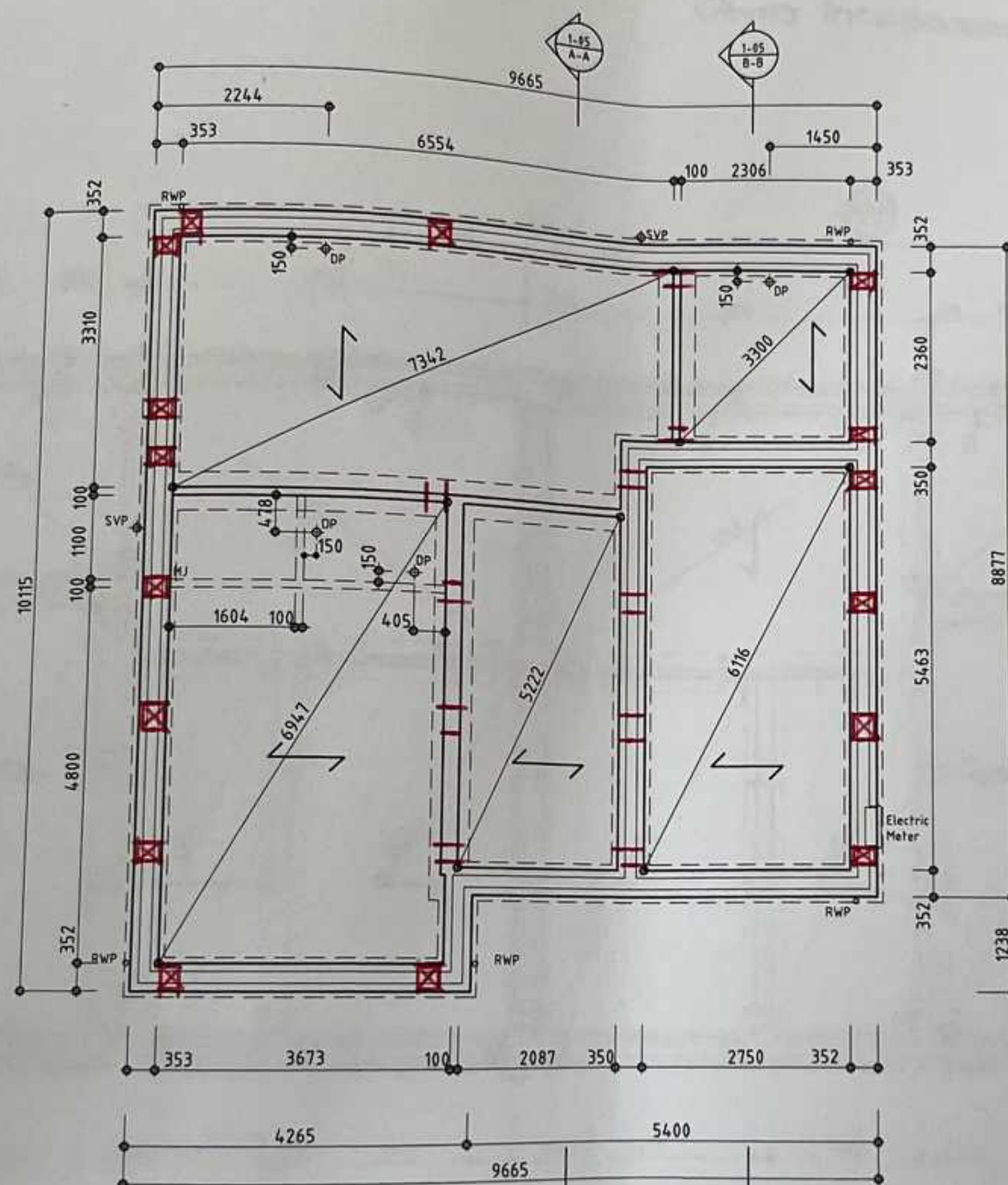
VENTILATION

$(9.665 + 10.115) \times 2 = 39.56m \times 1500mm^2/m = 59,340m^2$ OF VENTILATION. VENTS $6,450mm^2$ EACH 10W REQUIRED FOR BUILDING REGULATIONS.

INCREASE DUE TO GARAGE POSITION & GROUND LINE - PROVIDED 16W @ $6,450mm^2$ 103,200mm² 74% INCREASE.

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REVISION NOTES:



⊗ CRANKED VENTILATION & AIR BRICK $6,450mm^2$ Air Flow
= VENTILATION HERE.

Substructure Plan Plot 1

Direction of Precast Concrete Floor Beams
To be confirmed by Precast Concrete Beam &
Block Floor manufacturer

Ventilation should be provided by proprietary ventilators on at least two opposite external walls, with air bricks properly ducted. Suitable cross ventilation should be provided by a combination of openings and air ducts. Ventilation should not be obtained through a garage.

Sleeper walls and partitions should be constructed with sufficient openings to ensure adequate through ventilation.

Void ventilation should be provided to whichever gives the greater opening area: $1500mm^2$ per metre run of external wall or $500mm^2$ per m^2 of floor area. Ventilators should be spaced at no more than 2m centres and within 450mm of the end of any wall.

Provide cross ventilation between all void areas with sections of honeycomb masonry between bays.

A minimum ventilation void of 225mm should be provided below the underside of precast concrete suspended floors. This may vary depending on ground conditions. Refer also to Structural Engineers Information.

Drawing to be read in conjunction with Structural Engineers drawings, details & specification. Layout provided to assist with site setting out only. Additional/buttress ground beams & sleeper walls may be required.

0 0.5 1 2 2.5 5
Scale 1:50

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199 CRADGE BANK
SPALDING
LINCOLNSHIRE

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TITLE
PLOT 1
SUBSTRUCTURE PLAN

DRAWING No.
099 (PLOT 1) - 01

SCALE
1:50 @ A1 - 1:100 @ A3

DATE
OCT 24

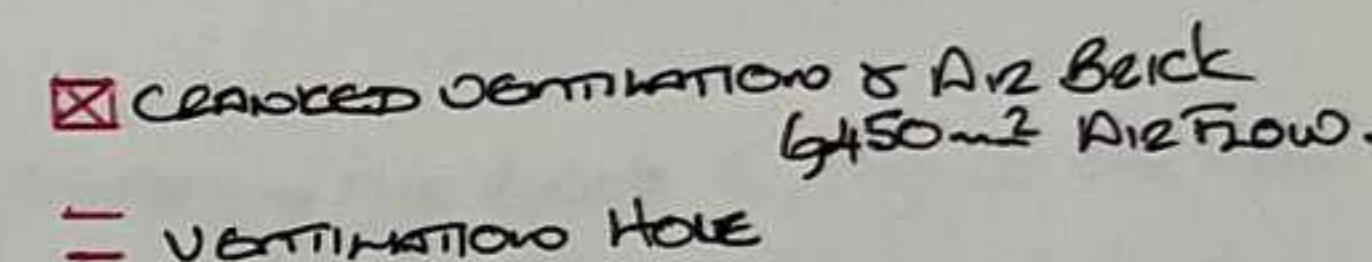
REV

$(17.315 + 9.102) \times 2 = 52.824 \text{ m} \times 1,500 \text{ mm}^2/\text{m} = 79,236 \text{ mm}^2$ OF VENTILATION. VENTS 6, 450mm² EACH = 13500
REQUIRED FOR BUILDING REQS.

REVISION NOTES

DEMAND INCREASED DUE TO GARAGE POSITION & CREWED CRAS.
PROVIDED 2000 @ $6,450 \text{ m}^2 = 129,000 \text{ m}^2$

63% increase



Drawing to be read in conjunction with Structural Engineers drawings, details & specification. Layout provided to assist with site setting out only. Additional/buttress ground beams & sleeper walls may be required.

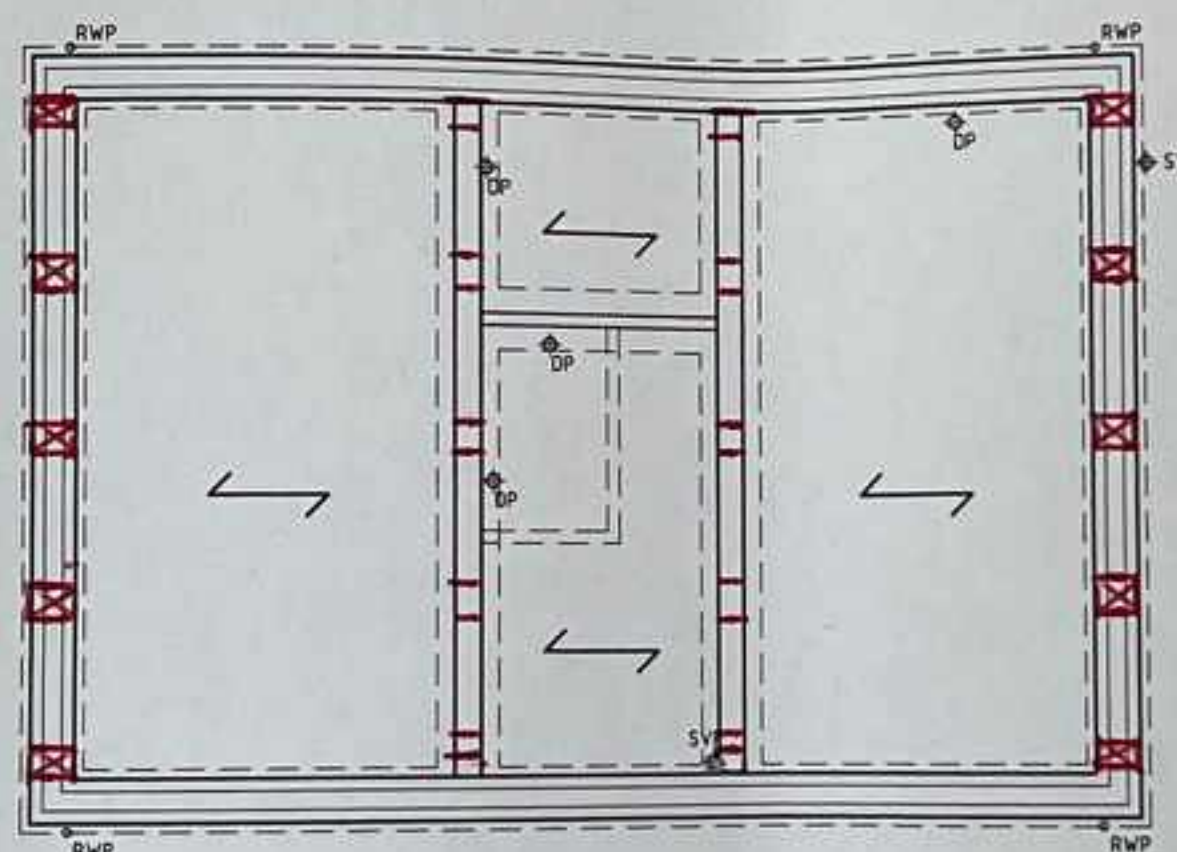
DATE	REV.
OCT 24	

Ventilation.

$(9.102 + 6.177) \times 2 = 30.558m \times 1,500m^2/m = 45,837m^2$ OF VENTILATION. VENTS $6,450m^2$ EACH 70° REQUIRED FOR BUILDING REGS
INCREASE DUE TO CROOD LRS. $64,500m^2 = 10$ VENTS.
40% INCREASE.

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REVISION NOTES



☒ CRANKED VENTILATOR or AIR BRICK $6,450m^2$ AIR FLOW
— VENTILATION HOLE

Substructure Plan Plots 6 & 7

Direction of Precast Concrete Floor Beams
To be confirmed by Precast Concrete Beam &
Block Floor manufacturer

Ventilation should be provided by proprietary ventilators on at least two opposite external walls, with air bricks properly ducted. Suitable cross ventilation should be provided by a combination of openings and air ducts. Ventilation should not be obtained through a garage.

Sleeper walls and partitions should be constructed with sufficient openings to ensure adequate through ventilation.

Void ventilation should be provided to whichever gives the greater opening area: 1500mm² per metre run of external wall or 500mm² per m² of floor area. Ventilators should be spaced at no more than 2m centres and within 450mm of the end of any wall.

Provide cross ventilation between all void areas with sections of honeycomb masonry between bays.

A minimum ventilation void of 225mm should be provided below the underside of precast concrete suspended floors. This may vary depending on ground conditions, refer also to Structural Engineers information.

Drawing to be read in conjunction with Structural Engineers drawings, details & specification. Layout provided to assist with site setting out only. Additional/buttress ground beams & sleeper walls may be required.

0 0.5 1 2 2.5 3
Scale 1:50

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ARCHITECTURE LTD

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CAMBRIDGESHIRE, PE7 8FS
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PROJECT
RESIDENTIAL DEVELOPMENT
LAND ADJACENT TO
199 CRADGE BANK
SPALDING
LINCOLNSHIRE

SH
SCENIC
HOMES

CLIENT
SCENIC HOMES

TITLE
PLOT 6 & 7
SUBSTRUCTURE PLAN

DRAWING NO.
099 (PLOT 6 & 7) - 01

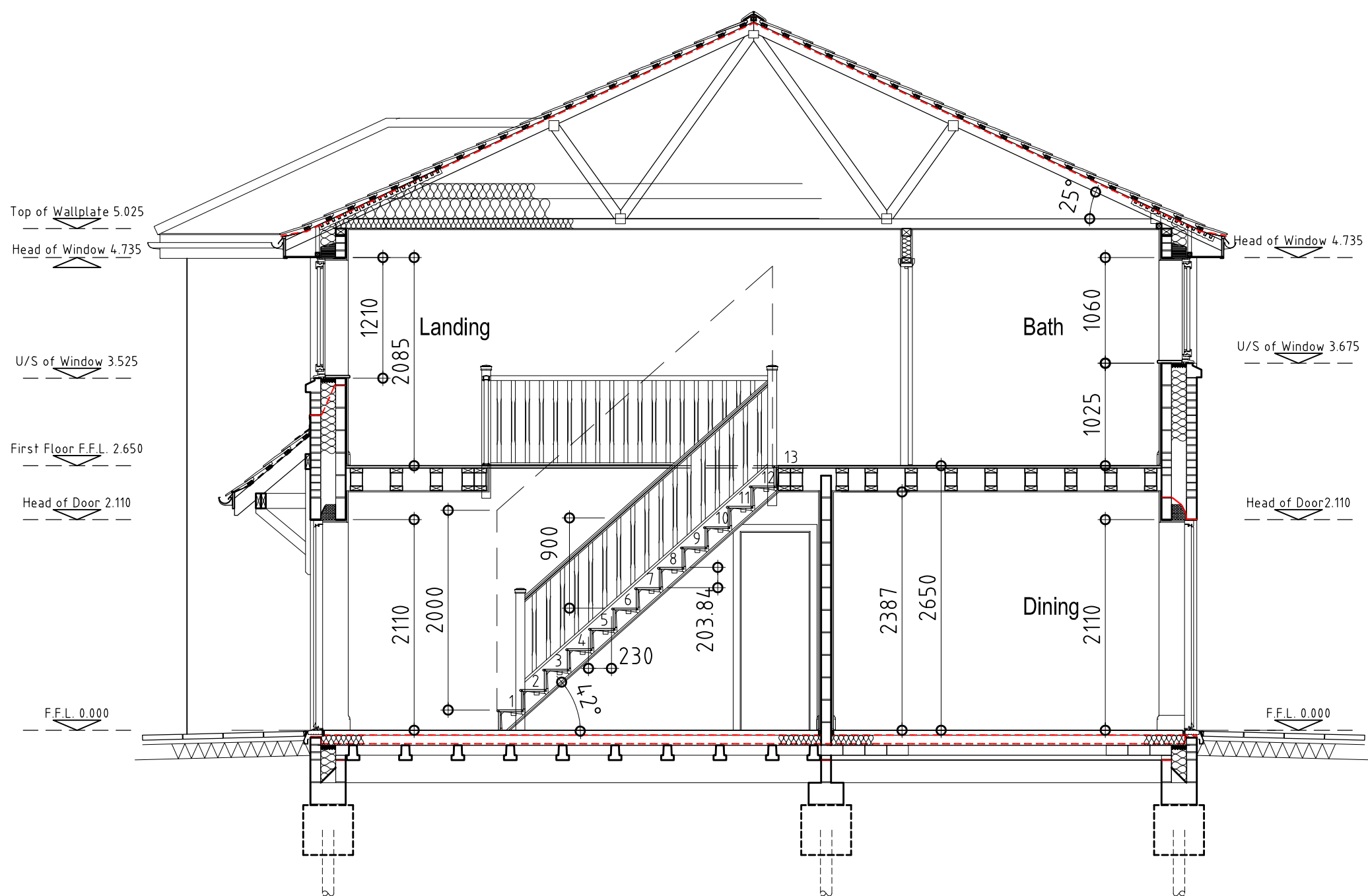
SCALE
1:50 @ A1 - 1:100 @ A3

DATE
OCT 24

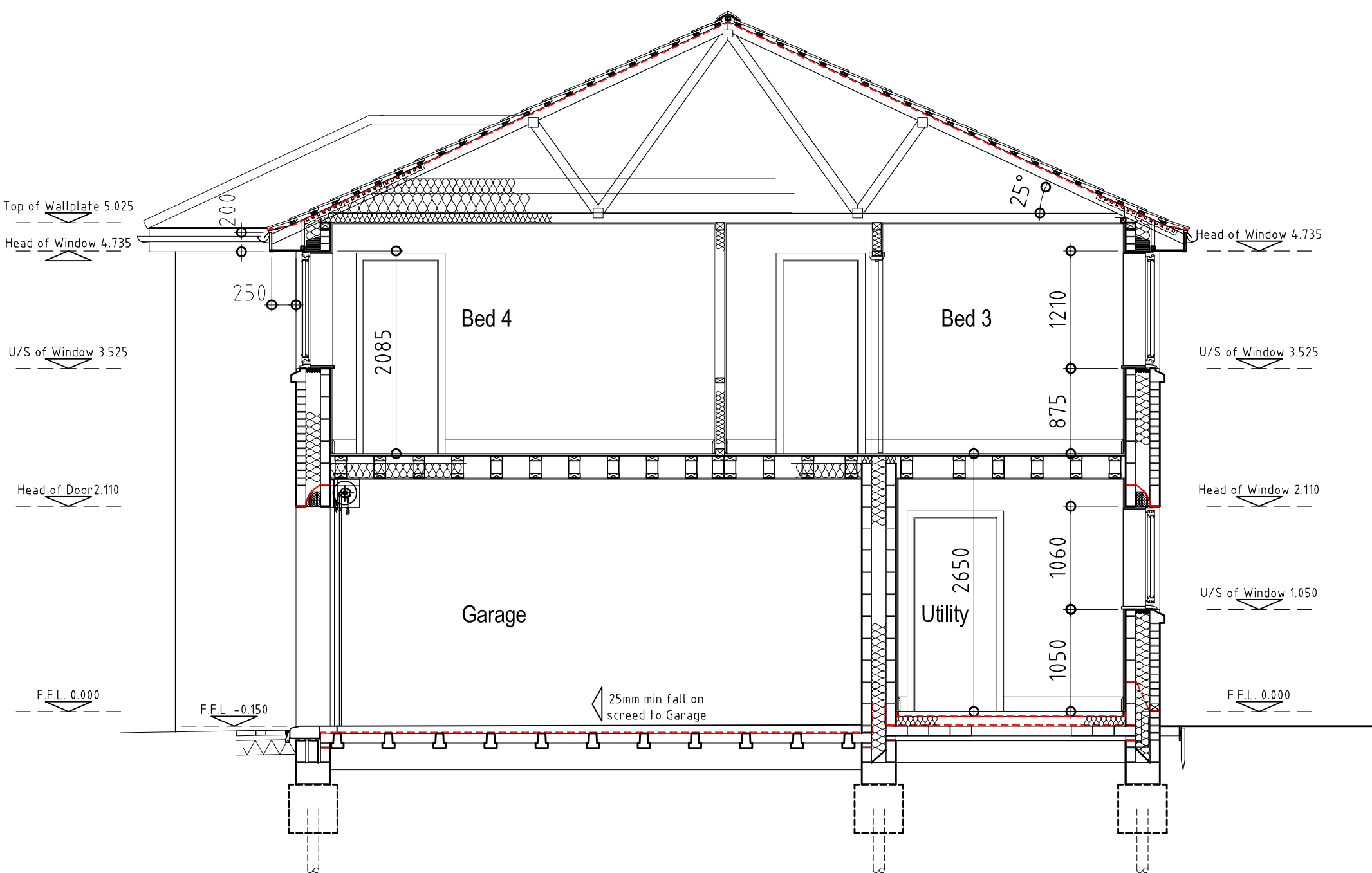
REV

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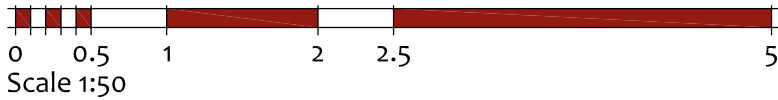
REVISION NOTES;



Typical Section A-A
Plot 1



Typical Section B-B
Plot 1



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PROJECT
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LAND ADJACENT TO
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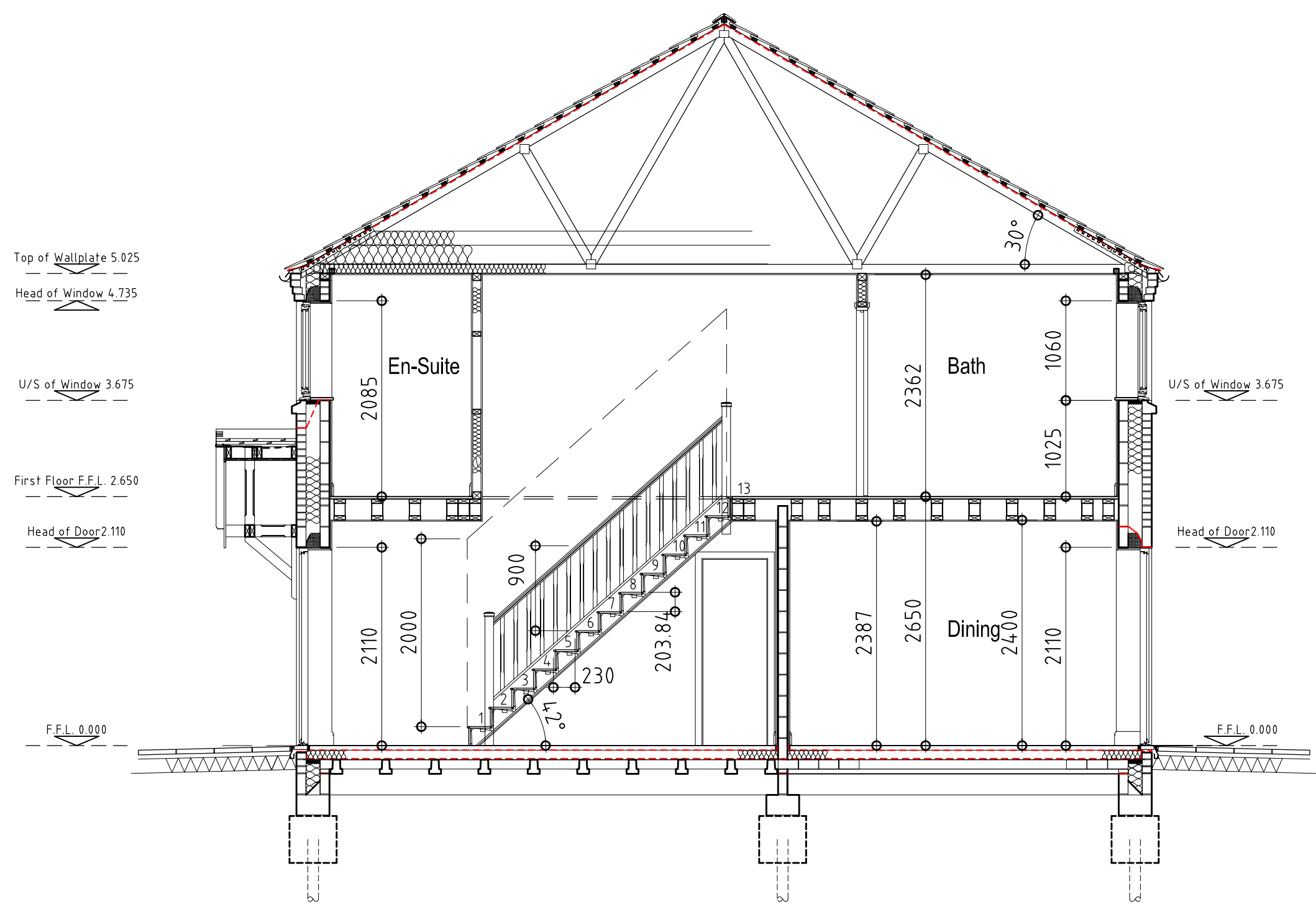
TITLE
PLOT 1
PROPOSED SECTIONS

DRAWING No.
099 (PLOT 1) - 05

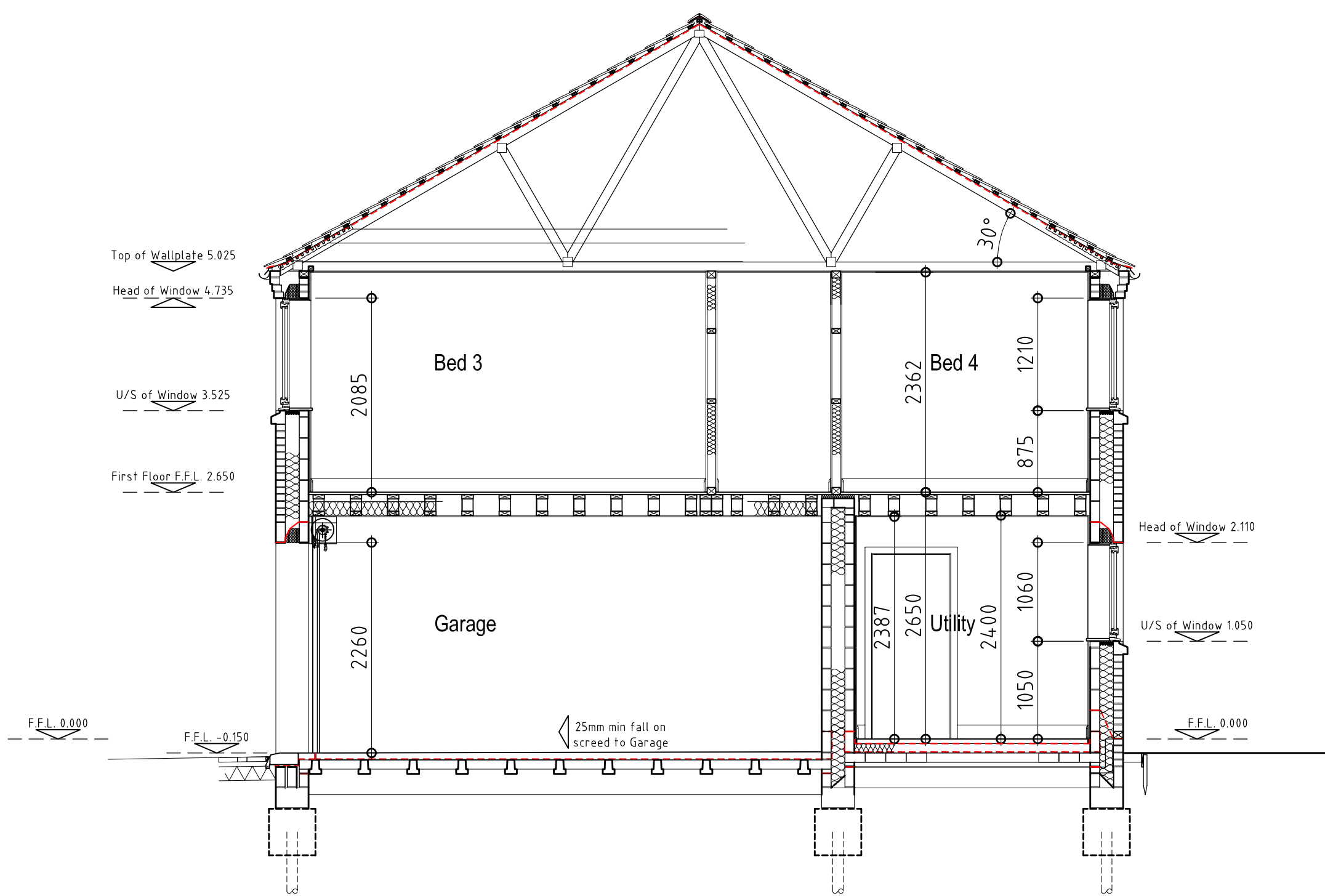
SCALE 1:50 @ A1 - 1:100 @ A3	DATE OCT 24	REV
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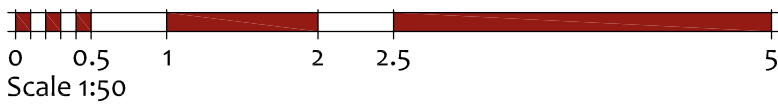
REVISION NOTES;



Typical Section A-A
Plot 2, 3, 4 & 5



Typical Section B-B
Plot 2, 3, 4 & 5



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PROJECT
RESIDENTIAL DEVELOPMENT
LAND ADJACENT TO
199 CRADGE BANK
SPALDING
LINCOLNSHIRE



CLIENT
SCENIC HOMES

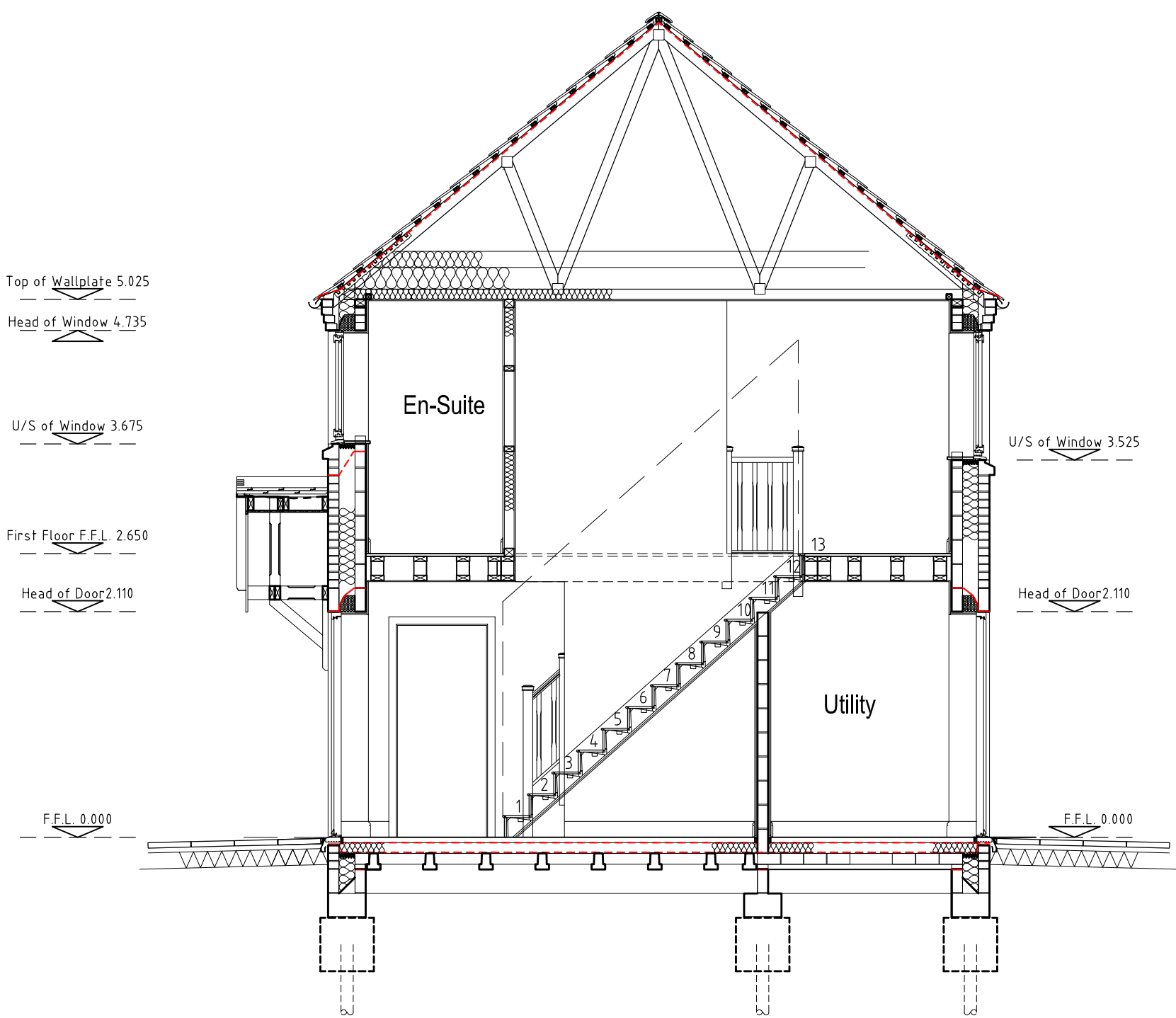
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PLOTS 2 - 5
PROPOSED SECTIONS

DRAWING No.
099 (PLOTS 2 - 5) - 07

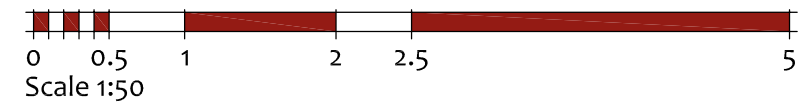
SCALE 1:50 @ A1 - 1:100 @ A3	DATE OCT 24	REV
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Do NOT scale from this drawing.
This drawing is copyright and may not be altered, traced, or used for any purpose other than that for which it is issued without written permission from the copyright holder.
The Contractor is to check all dimensions on site and report discrepancies to the designer prior to commencing work.
All details shown on this drawing are based upon typical site conditions. No responsibility can be accepted for abnormal conditions unless reported to the designer, so that amendments may be considered.
All works and materials used are to be in accordance with current British Standards, Agreement Certificates and Manufacturers instructions.
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REVISION NOTES;



Typical Section A-A
Plot 6 & 7



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TITLE
PLOT 6 & 7
SECTION

DRAWING No.
099 (PLOT 6 & 7) - 05

SCALE
1:50 @ A1 - 1:100 @ A3

DATE
OCT 24

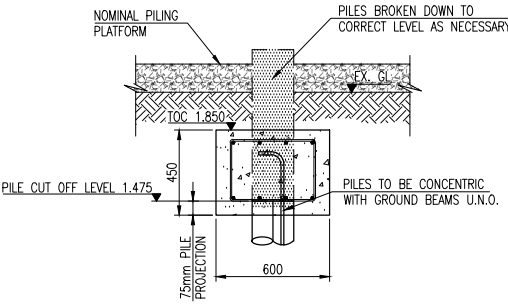
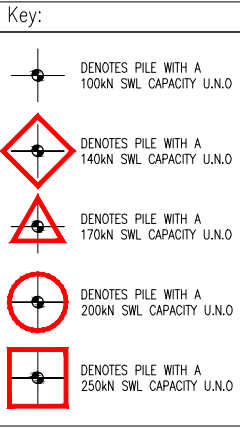
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PLEASE REFER TO ARCHITECTS DRAWINGS FOR
CONFIRMATION OF ALL WALL/SETTING OUT
DIMENSIONS PRIOR TO COMMENCING OF WORKS

THIS DRAWING MUST BE READ IN CONJUNCTION
WITH ALL RELEVANT DRAWINGS & STRUCTURAL
CALCULATIONS

PILING NOTES

- ALL PILES TO BE DESIGNED BY SPECIALIST PILING CONTRACTOR.
- PILES ARE TO BE DESIGNED FOR LOADS GIVEN ON THE DRAWING WITH A MINIMUM FACTOR OF SAFETY OF 3.0
- PILE DESIGN SHALL BE TO THE SATISFACTION OF THE ENGINEER AND THE LOCAL AUTHORITY, AND SHOULD COMPLY WITH THE CURRENT BUILDING REGULATIONS.
- ALL PILES TO HAVE A MINIMUM OF 1 NO B16 PROJECTING RE-BAR 450mm LONG (MINIMUM). THIS MUST BE BENT AND TIED TO THE GROUND BEAM REINFORCING STEEL.
- PROJECTING REINFORCEMENT FROM THE TOP OF PILES SHOULD BE PROJECTED FROM DAMAGE DURING CONSTRUCTION.
- THE DESIGN AND WORKMANSHIP OF THE PILES SHOULD BE IN ACCORDANCE WITH THE CURRENT EDITION OF "SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS" BY THE INSTITUTION OF CIVIL ENGINEERS.
- ALL PILES TO PROJECT INTO THE BEAM BY MIN. 75mm.
- EXISTING SERVICES SHOULD BE CHECKED AGAINST PILE LOCATIONS BY THE MAIN CONTRACTOR AND IF NECESSARY DIVERTED PRIOR TO COMMENCEMENT OF PILING.
- PILE LOCATIONS SHOULD BE PROBED WITH 2m LONG REINFORCEMENT BARS TO CHECK FOR OBSTRUCTIONS PRIOR TO PILING WORK COMMENCING. IF OBSTRUCTIONS ARE ENCOUNTERED THAT CANNOT BE EASILY REMOVED, PILING SCHEME TO ALLOW FOR PERCUSSIVE DRILLING THROUGH OBSTRUCTION, TO ALLOW PILING TO CONTINUE TO LOAD BEARING HORIZON.
- PILES INSTALLED OUT OF POSITION IN EXCESS OF 50mm TO BE REPORTED TO THE ENGINEER.



PLOT 1 - PROPOSED PILING ARRANGEMENT
SCALE 1:50

TYPICAL SECTION THROUGH GROUND BEAM
SCALE 1:20



-	PRELIMINARY - FOR APPROVAL	CBW	APW	17.01.25
REV.	DESCRIPTION	DRN.	APP.	DATE

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STATUS FOR INFORMATION

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PROJECT PILE AND GROUNDBEAM,
CRADGE BANK, SPALDING

TITLE PROPOSED PILING ARRANGEMENT - PLOT 1

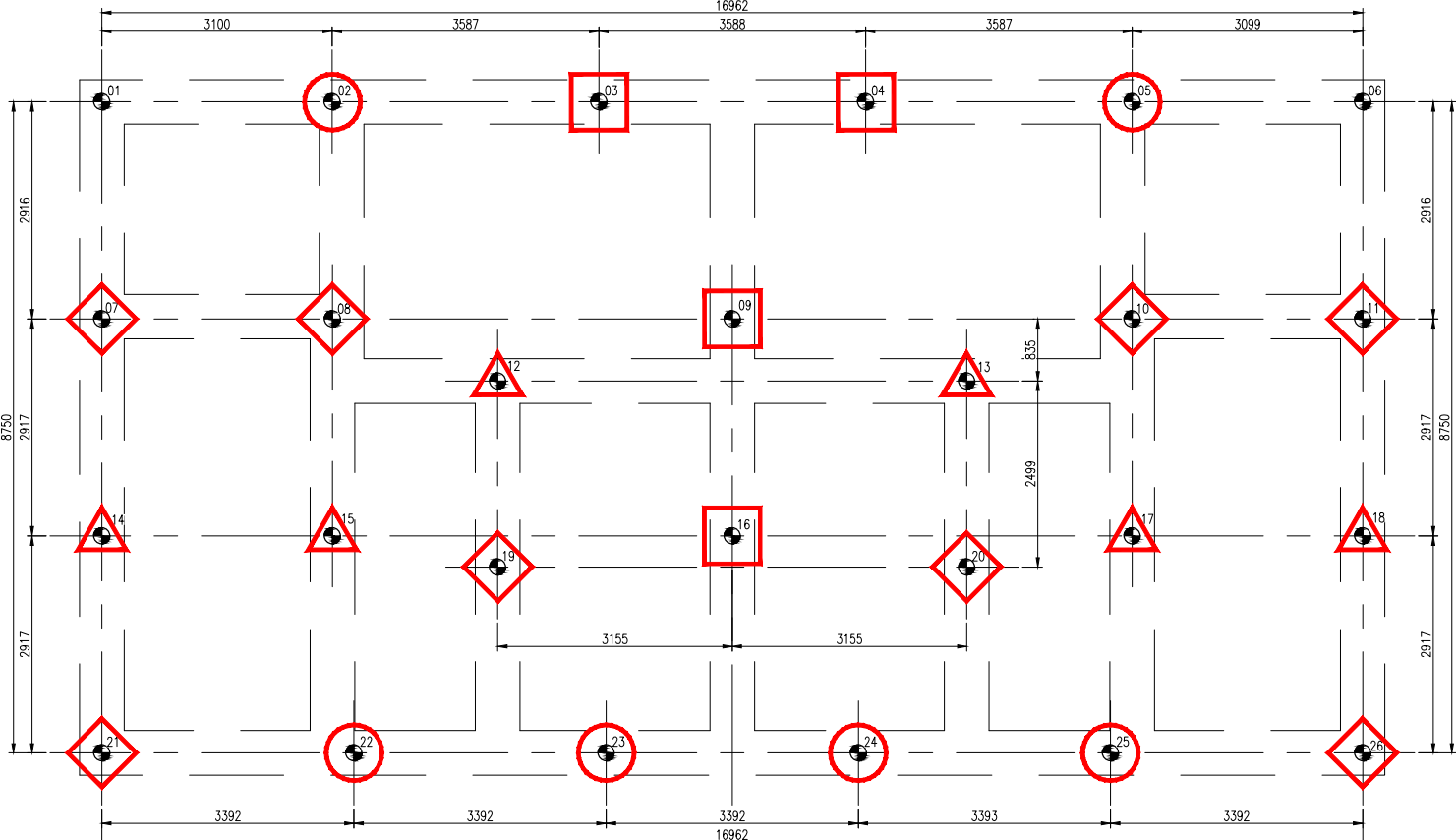
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DRAWN	CBW			

CONFIRMATION OF ALL WALL/SETTING OUT
DIMENSIONS PRIOR TO COMMENCING OF WORKS

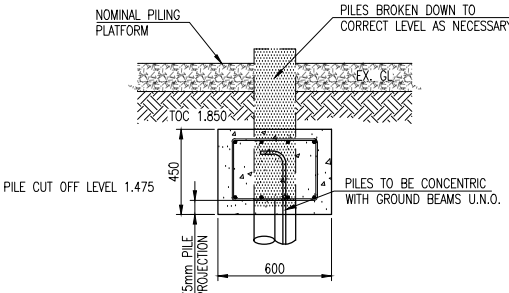
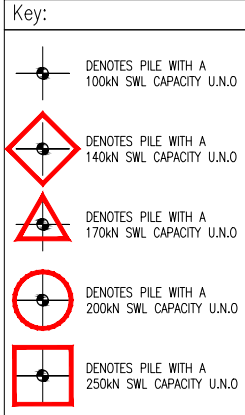
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CALCULATIONS

PILING NOTES

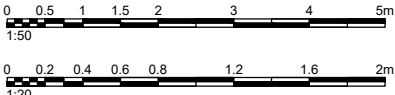
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- PROJECTING REINFORCEMENT FROM THE TOP OF PILES SHOULD BE PROJECTED FROM DAMAGE DURING CONSTRUCTION.
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- PILES INSTALLED OUT OF POSITION IN EXCESS OF 50mm TO BE REPORTED TO THE ENGINEER.



PLOTS 2&3, 4&5 - PROPOSED PILING ARRANGEMENT
SCALE 1:50



TYPICAL SECTION THROUGH GROUND BEAM
SCALE 1:20



REV.	DESCRIPTION	CEW DRN.	APW APP. DATE
-	PRELIMINARY - FOR APPROVAL		17.01.25

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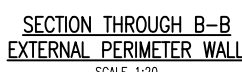
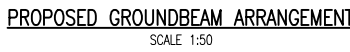
STATUS	FOR INFORMATION
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CLIENT SCENIC HOMES

PROJECT PILE AND GROUND BEAM,
CRADGE BANK, SPALDING

TITLE	PROPOSED PILING ARRANGEMENT – PLOT 2, 3, 4 & 5
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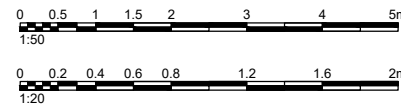
DATE	DEC. '24	SCALE @A1 1:50	DRAWING NO. SW24-331-203	REV. —
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THIS DRAWING MUST BE READ IN CONJUNCTION
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CALCULATIONS

1. CONCRETE TO BE D5-3, DC-3, AEC-3 TO BS 8500.
2. REINFORCED CONCRETE FOUNDATIONS TO BE MINIMUM GRADE C28/35 WITH A MINIMUM O.P.C. CONTENT OF 300 KG/m³ AND A WATER CEMENT RATIO OF 0.6. RC 28/35 TO BS 8500
3. COVER TO BE 75mm BTM, 50mm TOP & SIDES.
4. SHOULD SURFACE/GROUND WATER ENTER THE EXCAVATIONS PRIOR TO BUNDING WITH CONCRETE, THE BOTTOMS ARE TO BE REFORMED TO THE SATISFACTION OF THE ENGINEER.
5. REINFORCING BARS (GRADE 500B), AND MESH FABRIC TO BE HIGH YIELD BAR IN ACCORDANCE WITH BS 4461 AND BS 4483 RESPECTIVELY.
6. MINIMUM LAP TO REINFORCING BARS TO BE 40 TIMES BAR DIA.
7. MINIMUM LAP TO MESH FABRIC TO BE 350mm.
8. ALL REINFORCING FABRIC TO BE CONNECTED USING AN IMMERSION VIBRATOR TO EXPELL TRAPPED AIR AND FORM A CONSISTENT DENSE MATERIAL.
9. NO CONCRETE TO BE POURED IF AMBIENT TEMPERATURE IS LESS THAN 5 DEGREES CENTIGRADE.



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CLIENT SCENIC HOMES

PROJECT	PILE AND GROUND BEAM ARRANGMENT, CRADGE BANK, SPALDING
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TITLE	PROPOSED GROUND BEAM ARRANGEMENT - PLOT 6 & 7
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DATE	DEC. '24	SCALE @A1 1:50	DRAWING NO. SW24-331-207	REV. —
DRAWN	CBW			