

ENVIRONMENT

Renewable Connections Development Ltd
Heath Road Solar Farm
Leicester
Minerals Assessment

ENVIRONMENT

Renewable Connections Development Ltd Heath Road Solar Farm Leicester Minerals Assessment

Birmingham
Livery Place, 35 Livery Street, Colmore Business District, Birmingham, B3 2PB
T: 0121 233 3322

Leeds
Whitehall Waterfront, 2 Riverside Way, Leeds, LS1 4EH
T: 0113 233 8000

London
11 Borough High Street, London, SE1 9SE
T: 0207 407 3879

Manchester
11, Portland Street, Manchester M1 3HU
T: 0161 233 4260

Market Harborough
Harborough Innovation Centre, Wellington Way, Airfield Business Park,
Leicester Road, Market Harborough, Leicestershire, LE16 7WB
T: 01858 455020

Nottingham
Waterfront House, Station Street, Nottingham NG2 3DQ
T: 0115 924 1100

April 2025

DOCUMENT ISSUE RECORD

Document Number:	255315-BWB-XX-XX-T-G-0001_MA		
BWB Reference:	255315		
Author:	Lucy Young BSc (Hons)	Graduate Geo- environmental Consultant	
Checked:	Richard Robinson BSc (Hons) MCIWEM	Associate Director (Service Manager)	
Approved:	Ralph Sibley BSc PhD CGeol FGS RoGEP Advisor	Technical Director	

Rev.	Date of Issue	Status	Comments	Updated By:	Approved:
P1	March 2025	S2	Initial Issue	-	-
P2	April 2025	S2	Updated Issue	Lucy Young	Richard Robinson

Notice

This document has been prepared for the sole use of the Client in accordance with the terms of the appointment under which it was produced. BWB Consulting Limited accepts no responsibility for any use of or reliance on the contents of this document by any third party. No part of this document shall be copied or reproduced in any form without the prior written permission of BWB.

CONTENTS

1. INTRODUCTION..... 1

 Instruction 1

 Objectives 1

2. THE SITE 2

 Site Location..... 2

 Site Description 2

3. GROUND CONDITIONS..... 4

 Data Sources..... 4

 Geology..... 4

 Hydrology & Hydrogeology..... 7

 Mineral Extraction and Coal Mining..... 8

4. MINERAL PLANNING IN LEICESTERSHIRE 9

 Leicestershire Minerals and Waste Local Plan 9

 Existing Reserves..... 10

5. Environmental Sensitivity 13

 Agricultural Land Classification..... 13

 Visual and Cultural Designations 13

 Priority Habitats 13

 Environmental and Ecological Sites 13

6. CONCLUSIONS 14

FIGURES

Figure 2-1: Site Location Plan

Figure 3-1: Mineral Resource Map

Figure 3-2: BGS Borehole Records

TABLES

Table 3-1: Local BGS Records Summary

APPENDICES

Appendix 1: Indicative Proposed Site Layout

Appendix 2: BGS Records

Appendix 3: Groundsure Report

1. INTRODUCTION

Instruction

- 1.1 BWB Consulting Ltd (BWB) was instructed by Renewable Connections Development Ltd (the Client) to prepare a Minerals Assessment for a site at Heath Road Solar Farm, Leicester. The proposed construction at the site is for a solar farm including two new cable routes to the point of connection into the electricity grid.
- 1.2 An "Indicative Proposed Site Layout" Plan is set out in Appendix 1 (ref: RCN1008-PLE-01 Rev 11, dated February 2025).
- 1.3 The site is located within a Minerals Safeguarding Area (MSA), as defined by the Local Authority, for the protection of Sand and Gravel as aggregate minerals.

Objectives

- 1.4 As the site is located in an MSA, this Minerals Assessment has been prepared in order to consider the impact of the proposed development on mineral resources at the site and potential impacts on likely extraction in the wider area.

2. THE SITE

Site Location

- 2.1 The site (excluding the cable infrastructure) is approximately 27.36 hectares (ha) in size, located west of Leicester. It is centred at approximate British National Grid reference 445452, 305858. The approximate location and boundaries of the site are shown below as Figure 2-1.

Figure 2-1: Site Location Plan



Site Description

- 2.2 The site is an irregularly shaped parcel of arable field and extends from Heath Road at the northern boundary to Merrylees Road at the southern boundary. The proposed development area is identified on Figure 2-1.

- 2.3 The topography of the northern half of site gently slopes downwards from west to east. The southern half slopes down towards the southeast. Surface level elevations across the site range from c. 130m Above Ordnance Datum (AOD) in the southeast to c. 140m AOD in the northwest.

3. GROUND CONDITIONS

Data Sources

3.1 The data sources reviewed as part of this appraisal of site ground conditions are listed as follows:

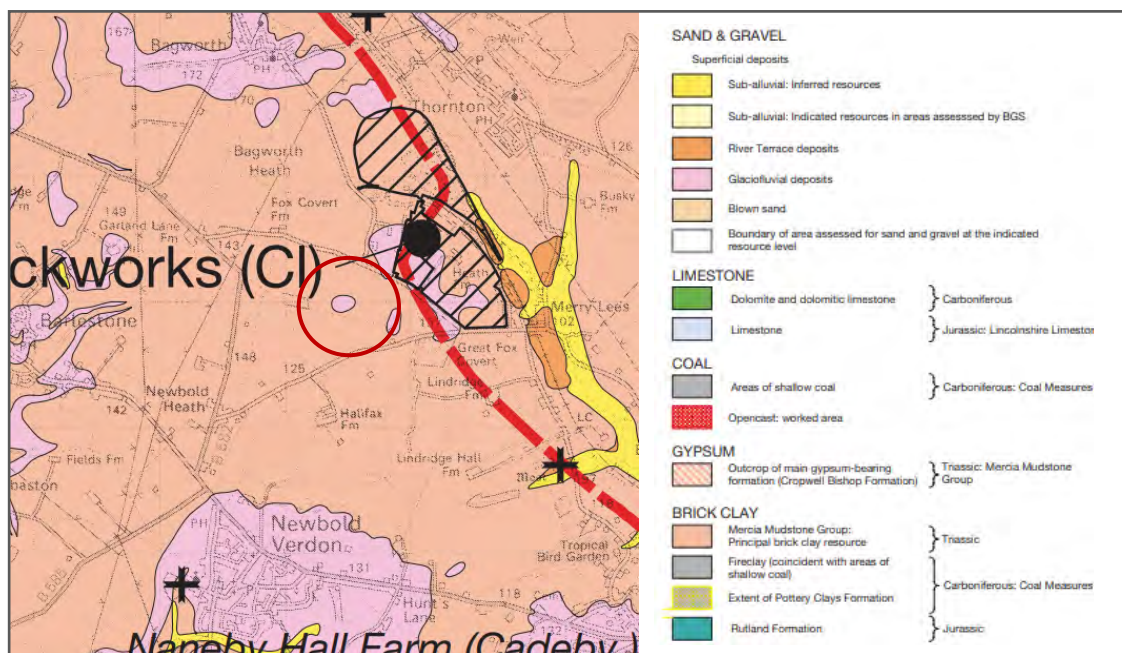
- British Geological Survey (BGS) Geological Map Number 155, Coalville, 1:50,000 edition, Solid and Drift, dated 2010;
- Online BGS Geology of Britain Viewer (3D);
- Online Geoindex Onshore mapping (minerals);
- BGS 'Leicestershire and Rutland Minerals Resources Map', 1:100,000, dated 2002;
- Leicestershire Minerals and Waste Local Plan (2016);
- Leicestershire County Council – Local Aggregate Assessment (2023);
- Minerals and Waste Safeguarding: Hinkley and Bosworth Borough (2015);
- Groundsure Enviro+Geo Insight Report. Merrylees Road Solar Farm, Reference: GS-5G1-AIU-OE3-BDA (Appendix 3).

Geology

- 3.2 Information published by the BGS indicates that the site is predominantly underlain by natural Superficial soils of the Oadby Member in the southern half of the site and the Thrussington Member in the northern half. A small zone of (granular) Glaciofluvial Deposits is depicted in the southern section of the northern half of the site and the edge of another in the northeastern corner of the southern half of the site. The bedrock beneath the site is indicated to comprise mainly strata of the Edwalton Member – mudstone, with the Cotgrave Sandstone Member mapped beneath the southern corner of the site.
- 3.3 The BGS map for Coalville shows the Glaciofluvial Deposits are typically underlain by Oadby Formation, which itself may be underlain by further Superficial soils including the Thrussington Member. A cross-section through Bagworth (c.1km north of site) shows bedrock strata of the Edwalton Member completely underlain by Cotgrave Sandstone Member.
- 3.4 The Oadby Member and Thrussington Member are both defined by BGS as Glacial Till (Diamicton) comprising poorly sorted clay, silt, sand and gravel, but predominantly cohesive, of variable thicknesses.
- 3.5 The Glaciofluvial Deposits are defined as (granular) sand and gravel, patchy and localised (limited, variable thicknesses).
- 3.6 The Edwalton Member is defined as mudstone and siltstone, red-brown and greenish grey, with beds (skerries) of indurated variably dolomitic siltstone, and very fine-grained sandstone common in the lower half; finely disseminated gypsum is common in the upper half (c. 35-45m thick).

- 3.7 The Cotgrave Sandstone Member is defined as sandstone fine to medium -grained dolomitic, pale greenish grey interbedded with mudstone and siltstone, dark greenish-grey; with common gypsum nodules.
- 3.8 No Made Ground is mapped onsite according to the BGS data.
- 3.9 Based on the Figure HK1 within the S4/2015: Mineral and Waste Safeguarding Hinckley and Bosworth Borough, the Minerals Safeguarding Area (MSA) that covers the sand and gravel resources onsite is relatively small and relates to the two zones of Glaciofluvial Deposits, the extents of which are defined above. These can also be seen in the Leicestershire and Rutland Minerals Resources Map, an extract of which is shown in Figure 3-1 with the approximate site location circled in red.
- 3.10 The Groundsure Report indicates Glaciofluvial sand and gravel only accounts for approximately 6.40% of the site area (c. 1.75 hectares). More extensive deposits of sand and gravel within the Hinckley and Bosworth Borough are mapped in Figure HK1 as further west in a longitudinal strip extending from Bagworth to Hinckley.

Figure 3-1: Mineral Resource Map



- 3.11 BGS borehole records typically indicate thin horizons of gravel (locally overlying cohesive Till) underlain by sandstone and/or mudstone of the Mercia Mudstone Group (previously known as the Keuper Marl) with Coal Measures strata below depths of 93m below ground level (bgl). Pertinent BGS records are summarised in Table 3-1 below including those onsite, a typical example for the area, and two local boreholes that recorded sand and gravel.

Table 3-1: Local BGS Records Summary

BGS Record Ref.	Location	Ground Conditions
SK40NE38	Northwestern section of site	0 to 3m Gravel 3 to 24m Sandstone 24 to 124.22m Mudstone, sandstone and siltstone; coal seams at: 111.42 to 111.90m (broken in top 5cm) 121.04 to 121.10m (appear inferior) 122.63 to 122.71m (cylinders, pyrite common) 122.72 to 123.28m (cylinders) 123.37 to 123.67m
SK40NE5 SK40NE60	Southeastern section of site	0 to 7.92m Glacial boulder clay (interbedded gravel and clay; includes two distinct "gravel" horizons, each only 2ft – 0.61m - thick) 7.92 to 96.62m Keuper Marl (red and/or grey marl, gypsum, with some sandstone layers at depth) 96.62 to 99.67m Coal Measures
SK40NE24	Approximately 554m northeast of site, within Desford Brickworks	0 to 8.38m Boulder Clay* 8.28 to 73.20m Keuper Marl (red brown marl and pale green sandstone) *This record is from 1963; this area has since been excavated for clay, so this layer is no longer expected to be present.
SK40NE37	Approximately 354m northeast of site	0 to 6m Gravel (quartz and flint) 6 to 83m Predominantly grey-green or red brown mudstone and siltstone, and grey-green sandstone; coal seams at: 107.07 to 110.46m (solid, broken or cylinders) 115.45 to 115.48m (inferior) 123.72 to 124.16m (appears inferior) 133.10 to 135.84m (appears inferior)
SK40NE26	Approximately 1km east of site.	0 to 12.04m Sand 12.04 to 29.52m Boulder Clay 30.43 to 59.13m Keuper Marl (1.27m sand, followed by sandstone, siltstone and marl)

- 3.12 A plan indicating the location of the BGS records is presented as Figure 3-2 with relevant exploratory hole logs presented in Appendix 2.

Figure 3-2: BGS Borehole Records



Hydrology & Hydrogeology

- 3.13 The geology beneath the site has been classified by the Environment Agency (EA) as follows:
- Thrussington Member: Secondary Undifferentiated Aquifer
 - Oadby Member: Secondary Undifferentiated Aquifer
 - Glaciofluvial Deposits: Secondary A Aquifer
 - Edwalton Member – mudstone: Secondary B Aquifer
 - Cotgrave Sandstone Member: Secondary A Aquifer
- 3.14 SK40NE38 recorded the resting groundwater level at a depth of 18.3m bgl, within the sandstone strata of the borehole. The water was also bailed to 53.3m and recorded an inflow of 20 gallons per minute (gpm). SK40NE37 did not record a resting groundwater level, but was bailed to 56.20m, after which it refilled to 39.50m bgl at 9gpm and then to 30m at 5gpm.
- 3.15 Water catchment data included within the Groundsure Report (Appendix 3) indicates that the site is in the catchment for the Rothley Brook (tributary of the River Soar). It also indicates there to be a small stream, oriented NW-SE, along the southwestern boundary of the site. A similarly oriented stream is also present 250m east, both flowing in a south/southeasterly direction. These streams converge to the south of site and then flow to the east to join Rothley Brook.

Mineral Extraction and Coal Mining

3.16 Mineral extraction and coal mining has been undertaken in the surrounding area, especially to the northeast of the site, noted on the Groundsure Report, included as Appendix 3. These are summarised below:

- Heath Farm Gravel Pits, approximately 160m north and 330m northeast, recorded as ceased. This is confirmed by historical mapping as it is labelled 'old gravel pit' on the 1885 map.
- Desford Colliery is mapped approximately 625m northeast of site. This was in operation from c. 1901 to <2001.
- A brick works and associated clay pit are mapped approximately 400m northeast of site at its closest (1984); this is indicated to be in operation from c. 1930 to <2001.
- An active clay quarry is present c. 450m northeast of site, as part of Desford Brick Works Ltd (owned by Forterra Plc); the extension to this clay quarry was approved in 2019 and covers the area directly bordering the Heath Solar Farm site to the northeast (see Leicestershire County Council application 2018/CM/0110/LCC). It should be noted the original quarry and extension cover a larger area of glaciofluvial sand and gravel deposits, as shown in Figure 3-1. The site is in an MRA for Sand and Gravel extraction and not clay extraction.

4. MINERAL PLANNING IN LEICESTERSHIRE

Leicestershire Minerals and Waste Local Plan

- 4.1 The Leicestershire Core Strategy is presented within the Leicestershire Minerals and Waste Local Plan (MWLP), adopted September 2019, and due to be in place until the end of 2031. This document sets out the planning strategies and policies to preserve the supply of minerals in Leicestershire.
- 4.2 The site is located within a Minerals Safeguarding Area for the protection of sand and gravel; therefore, applications for development of this scale require approval to ensure that viable mineral resources are not sterilised by other, non-mineral forms of development.

Strategic Objectives

- 4.3 The Strategic Objectives of the Leicestershire MWLP are as follows:
1. *To make sufficient provision of minerals in the County of Leicestershire to meet national and local requirements.*
 2. *To make sufficient provision of waste facilities in the County of Leicestershire with capacity equal to the waste generated within the County of Leicestershire.*
 3. *To provide mineral sites and waste management facilities in the most sustainable locations so that movement other than by road is maximised, untreated waste transportation is minimised, the development of previously developed land is encouraged, and the needs of local communities and industry are met.*
 4. *To co-ordinate and work with all relevant organisations, in particular Leicester City Council and Leicestershire Local Authorities, to ensure that the Local Plan addresses planning issues that cross administrative boundaries.*
 5. *To attain the maximum possible reuse, recycling, composting and recovery of value from waste within the County of Leicestershire and thereby minimising the disposal of waste.*
 6. *To safeguard mineral resources, mineral sites and associated infrastructure, and waste management facilities from inappropriate development.*
 7. *To reduce the impact of minerals and waste developments upon climate change.*
 8. *To protect people and local communities, and the natural, built and historic environment (particularly the River Mease Special Area of Conservation) from unacceptable effects of minerals and waste developments.*
 9. *To ensure that land with a temporary use is subsequently restored, managed and maintained to an after-use of high quality at the earliest opportunity which respects the local area's character, provides a net gain in biodiversity and allows greater public access whilst affording opportunities for recreational,*

economic and community gain in mitigation or compensation for the effects of development where possible.

10. To complement and support wider strategies including the Leicester and Leicestershire Economic Growth Plan, green infrastructure projects and strategies such as the National Forest and Charnwood Forest Regional Park.

Key Points

4.4 Key points relevant to the subject site within the Leicestershire MWLP include:

- In Leicestershire there are two distinct types of sand and gravel deposit: sub-alluvial and river terrace; and glaciofluvial. The former occur predominantly in the valleys of the Rivers Trent, Soar and Wreake. In contrast, Glaciofluvial deposits occur in complex, isolated deposits to the south and west of Leicestershire. The presence of extensive boulder clay and other superficial deposits has the potential to completely conceal some these glaciofluvial deposits, making the extent of this resource unknown.*
- Average sales for sand and gravel operations within Leicestershire between 2005-2014 were 1.12 million tonnes per annum. Sales for 2014 showed signs of significant improvement, being approximately 31% higher than for 2013, and the highest since 2003.*
- Sand and gravel operations within Leicestershire tend to serve local markets with 57.8% of sales in 2014 were within Leicestershire/Rutland. Material exported went primarily to neighbouring areas, particularly West Midlands and Northamptonshire.*
- A continued supply of sand and gravel from Leicestershire is expected to be required, whoever the County Council recognises that calculating demand is increasingly uncertain. The rate of economic growth and infrastructure investment within the County and neighbouring areas is expected to heavily influence the level of demand.*
- It is therefore considered appropriate to base the provision of sand and gravel in this plan on average sales over the last 10 years. The situation will however be carefully monitored as any increase in annual outputs very much depends on operational and economic factors outside the control of the County Council. If a higher production rate continues for an extended period, then the overall requirement will need to be re-assessed.*
- Estimated permitted reserves of sand and gravel in Leicestershire as at the end of 2014 were around 8.09 million tonnes. This is only sufficient permitted material to last 7 years, based on the average rate of production over the preceding 10 years.*
- Priority will be given to proposals for extraction as extensions to existing site operations. Any new quarries will be required to replace existing sand and gravel sites that are nearing exhaustion (where no extension is possible or required levels of provision cannot be met). They must also offer significant benefits as a result of exchange or surrender of existing permissions or be significantly more acceptable overall than allocated sites.*

Existing Reserves

4.5 Sand and Gravel deposits are classified as one of the three aggregate minerals provided within Leicestershire according to Leicestershire MWLP (adopted 2019).

- 4.6 As detailed in Section 3.0, Glaciofluvial Deposits only underlie small zones in the eastern part of the northern half of the site, and the extreme north eastern corner of the southern half.
- 4.7 The BGS defines typical criteria for an economically workable deposit as follows:
- The deposit should average more than 2m in thickness;
 - The ratio of overburden to mineral should not exceed 1:1;
 - The proportion of fines should not exceed 15 – 25% silt or 10 - 15% clay; and
 - The deposit should lie within 5 – 10m of the surface.
- 4.8 Few of the local BGS borehole records refer to sand and gravel deposits, with the exception of SK40NE38 in the northwestern section of the site ("gravel" 0 to 3m), SK40NE37 to the northeast of site ("gravel" 0 to 6m) and SK40NE26 at some distance to the east of the site ("sand" 0 to 12.04m).
- 4.9 SK40NE38 in the northwestern section recorded "gravel" from 0 to 3m below ground level (bgl), suggesting sand and gravel deposits in this area would fit the above criteria. However, boreholes in the local area predominantly recorded (cohesive) Boulder Clay and or Keuper Marl and were devoid of (granular) sand and gravel. Therefore, the extent of these deposits within the subject site is expected to be limited.
- 4.10 Table 2 of the MWLP indicates the following demand and existing reserves based on averages over the last 10 years:
- Annual Requirement – 1.12Mt
 - Total Plan period requirement – 19.04Mt
 - Total permitted reserves at 31/12/2014 – 8.09Mt
 - Additional reserves permitted in 2015 – 1.42Mt
 - Shortfall 2014-2031 – 9.53Mt
- 4.11 The Leicestershire Aggregate Assessment (LAA) published in 2022 noted:
- 4.12 *Paragraph 4.6: Estimated permitted reserves of sand and gravel in Leicestershire at the end of 2022 were 2.23 million tonnes. The reserves will provide sufficient permitted material to last 2 years based on the average rate of sales over the last 10 years (Table 14). An application for an extension at Lockington Quarry (reference 2019/2358/07) was submitted in 2020 and remains undetermined. An application for a proposed new sand and gravel quarry in Quorn, Leicestershire was submitted in 2021. The application seeks planning permission for the extraction of 1.01 million tonnes of sand and gravel and remains undetermined. An application for further extraction of 900,000 tonnes of sand and gravel at Husbands Bosworth Quarry was submitted in 2021 and during the 2022 monitoring period, remained undetermined (reference 2021/0683/03). This application was granted planning permission in January 2023 and will be reported as part of the 2023 monitoring period.*

- 4.13 Paragraph 4.7: *In 2022 existing sites had a total potential production capacity of around 1.45million tonnes per annum, which meant that they were theoretically capable of producing sufficient material to satisfy the level of provision identified in the adopted Minerals and Waste Local Plan. However, it should be noted that since 2021 there has been a decrease in production capacity.*

5. Environmental Sensitivity

Agricultural Land Classification

- 5.1 The soils at the site are classified as Grade 3. It is understood that the Client has commissioned an Agricultural Land Classification survey for this site which has identified soils at the site are predominantly classified as Grade 3b (93%), with some Grade 3a (6%) and non-agricultural land (1%). Grade 3 soils are defined as good to moderate quality agricultural land. Land with moderate limitations affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown, yields are generally lower or more variable than on land in Grades 1 and 2.

Visual and Cultural Designations

- 5.2 There are no visual or cultural designations within 250m of the site.

Priority Habitats

- 5.3 Areas of Deciduous Woodland are mapped: c. 240m east, 110m north/northeast and just west of site. These are Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Environmental and Ecological Sites

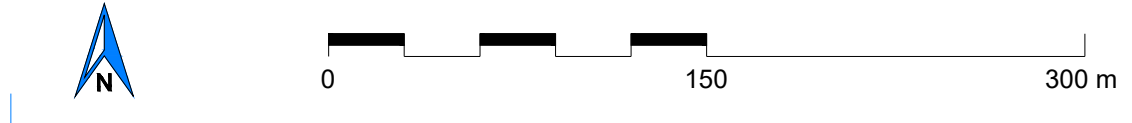
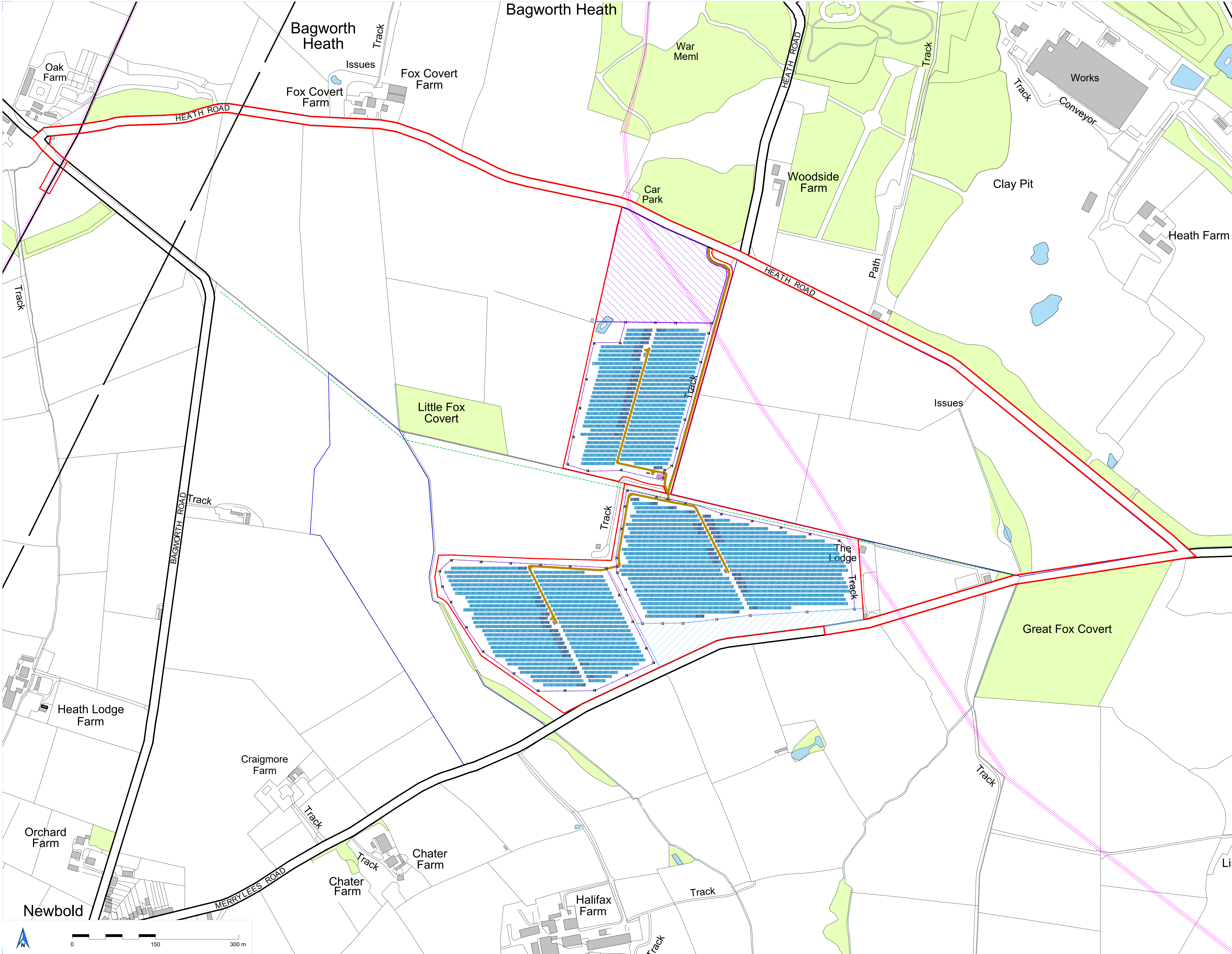
- 5.4 The site is within a Nitrate Vulnerable Zone for the River Soar and two SSSI Impact Risk Zones. Excluding this, there are no further significant sites of environmental or ecological significance including Sites of Special Scientific Interest (SSSI), Conserved wetland sites (Ramsar sites), Special Areas of Conservation (SAC), Special Protection Areas (SPA), National Nature Reserves (NNR), or Local Nature Reserves (LNR).

6. CONCLUSIONS

- 6.1 BGS mapping indicates that two small sections of the application site are underlain by zones of Glaciofluvial (sand and gravel) Deposits. These relatively small areas are defined as parts of (sand and gravel) MSA.
- 6.2 The Leicestershire Aggregate Assessment (LAA) indicated that in 2022 the existing sand and gravel sites in the county had production capacity of around 1.45 million tonnes per annum. This is theoretically sufficient to meet the level of provision stated in the Minerals and Waste Local Plan. However, it should be noted that since 2021 there was a decrease in production capacity.
- 6.3 The site is unlikely to be economically workable for sand and gravel extraction due to only c. 6.40% of the site being potentially underlain by the targeted Glaciofluvial Deposits. The BGS mapping and borehole data indicates the two zones of Glaciofluvial deposits that extend onto the site are relatively small and isolated.
- 6.4 There are approved plans to extent the nearby Desford Brick Works Ltd (owned by Forterra Plc) clay pit; the extension to this clay quarry was approved in 2019 and covers the area directly bordering the Heath Solar Farm site to the northeast. The site is not in a MSA for clay.
- 6.5 The proposed development comprises a solar farm that would neither permanently sterilise any minerals resources that could be present, nor facilitate incidental extraction of any potential mineral reserves. The development also has a limited lifespan of 40 years.
- 6.6 Therefore, this report demonstrates there is no risk of the proposed solar farm development permanently sterilising on site mineral resources that may be present. Consequently, the proposed development complies with the requirements of Policy M11 and M12 as stated in the Leicestershire MWLP and should not be precluded on mineral safeguarding grounds.

APPENDICES

Appendix 1: Indicative Proposed Site Layout



- Notes:
1. All dimensions to be confirmed on site prior to installation.
 2. All dimensions are indicative only and in m unless otherwise specified.
 3. Drawing based on satellite data:
Imagery date: 16/06/21

Reference drawings

Data-Solar_GroundMount_Project Form_Heath Road.docx	---	17/08/22
RC107 - 21-11-10 - Heath Road Fixed Layout REV3.pdf	---	17/08/22
RC107 - 22-01-17 - Heath Road NM2.amx	---	17/08/22
Heath Road Updated.amx	---	13/11/23
VML_Sk404.dwg	---	13/11/23
RC107 - Heath Road.dwg	---	13/11/23
2302103-TK01A-TK02A-TK03.dwg	---	22/07/24
Drainage Strategy - DRAPI 1 new RLB.pdf	---	22/07/24
Tree Survey.pdf	---	22/07/24

- Legend:
- Site boundary (31.90 ha)
 - Perimeter fence
 - Maintenance track
 - Customer substation
 - DNO
 - 20ft. Power Station
 - Inverter
 - Gate
 - OHL
 - Footpath
 - Skylark mitigation
 - Ecological enhancement area
 - CCTV



Revisions:

Rev	Date	Comments	Drawn	Approve
0	19/08/22	First issue	AP	DB
1	02/09/23	Changes in PV layout	GU	AP
2	02/09/23	Changes in PV layout	GU	AP
3	21/11/23	PV area added, site boundaries changed, configuration changed	IM	NM
4	11/11/23	Layout update	FJ	NM
5	23/07/24	Design constraints implemented	EL	GU
6	12/08/24	Layout update	IV	GU
7	19/08/24	Layout update	IV	GU
8	11/09/24	Layout update	IV	GU
9	11/11/24	Site boundary, skylark and ecological areas	IV	GU
10	14/11/24	Compound area removed	IV	GU
11	10/02/25	Site boundary updated	IV	GU

Project: Heath Road
Location: Heath Road and Merry Lees, Bagworth, LE9 9NR, UK
52.648197°, -1.329302°
Title: Indicative Proposed Site Layout

Drawn: Detra Solar / IV Checked: AM
Scale: 1:3000@A1 Date: 12/02/25
Drawing No: RCN1008-PL-01 Rev: 11

renewable connections
Level 4, LDN/W, 3 Noble Street
London, EC2V 7EE
+44 (0)20 7749 2650
www.renewableconnections.co.uk

detra SOLAR
Detra Solar
Lvovo str. 25-104,
LT-09320 Vilnius
www.detrasolar.com

Do not scale from this drawing. Site verify all dimensions prior to construction.
Report all discrepancies to the drawing originator immediately. This drawing is to be read in conjunction with all relevant documents and drawings.

Appendix 2: BGS Records



4582.0567

Page 1 of 3
6 inch Map
Registered No.
SK/KONE/5
155

SECTION OF

DRETFORD COAL COMPANY No. 5. BOREHOLE.

Exact Site 830-yards at 44° from Halifax Farm.

Level at which ~~rock~~ ^{shaft} ~~bore~~ commenced relative to O.D. + 430-ft
131.1

Date of sinking or boring 1915

Sinker or Borer J. Thom.

One Inch Geological Map 155

Six Inch Map (County and Quarter Sheet) Leic. 30-S.W.



NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
	Soil and Gravel	2	0	(0.61)	2 0
	Red clay and boulders	12	0	14	0
	Gravel	2	0	4.46	16 0
	Red clay and stones	10	0	7.92	26 0
	Red and grey marl	24	0	30	0
	Soft Red marl	11	0	41	0
	Red Marl	2	0	43	0
	Grey Marl	2	0	45	0
	Red and grey marl	13	0	78	8
	Soft red marl	8	0	86	8
	Grey strong marl	2	0	88	8
	Red marl	7	4	96	0
	Grey marl	2	0	98	0
	Red marl	4	6	102	6
	Hard grey marl	2	0	104	6
	Soft red marl	4	2	108	8
	Grey marl	4	0	112	8
	Red marl	2	0	114	8
	Grey sandy marl	2	4	117	0

(3) . SK40NE/5 4582.0567

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
	Red sandy marl and sandstone with gypsum	8	1	208	6
	Red sandstone		8	209	2
	Grey sandstone		4	209	6
	Red marl	2	0	211	6
	Red and grey sandstone	2	0	213	6
	Red marl	2	0	215	6
	Grey sandy marl	1	6	217	0
	Red sandy marl	1	6	218	6
	Red sandy marl and sandstone	2	6	221	0
	Grey sandy marl and sandstone	3	6	224	6
	Red and grey marl	2	0	226	6
	Red sandstone		8	227	2
	Red sandy marl	1	7	228	9
	Red sandy marl and gypsum	2	0	230	9
	Red and grey marl	1	0	231	9
	Red and grey sandy marl and sandstone bands	7	0	238	9
	Red and grey marl	1	0	239	9
	Soft red and grey sandstone	5	0	244	9
	Grey and red sandstone	4	0	248	9
	Red and grey marl	2	0	250	9
	Coarse red and grey sandstone	6	6	257	3
	Red and brown sandstone	1	0	258	3
	Red and grey marl	1	0	259	3
	Coarse red sandstone	1	0	260	3
	Red and grey sandy marl and gypsum	7	0	267	3
	Soft red and grey marl	1	0	268	3
	Coarse red and grey sandstone	4	3	272	6



Series 520

SK40NE/5

Form P.7d

6 inch Map
Regd. No.

4582 0567

8

SECTION OF Desford Coal Company No. 5 Borehole
Six Inch Map (County and Quarter Sheet) Leics 30 SW

NATURE OF STRATA		THICKNESS		DEPTH	
Geologist's Notes	Borer's Journal	Feet	In.	Feet	In.
	Strong grey marl	3	0	120	0
	Strong red and grey sandy marl with gypsum	7	1	127	1
	Gypsum		1	127	2
	Red and grey marl and gypsum	5	7	132	9
	Gypsum		4	133	1
	Strong red and grey marl	1	0	134	1
	Red marl	3	0	137	1
	Red and grey marl with gypsum bands	7	1	144	2
	Dark red and grey marl with gypsum bands	3	3	147	5
	Strong grey marl		9	148	2
	Red marl and gypsum bands	6	0	154	2
	Soft red marl with gypsum bands	6	0	160	2
	Red and grey marl with gypsum bands	4	0	164	2
	Red sandy marl and gypsum	3	8	167	10
	Grey marl and gypsum	3	0	170	10
	Grey sandy marl and gypsum	2	6	173	4
	Red sandy marl	1	6	174	10
	Red and grey marl	4	0	178	10
	Red marl	1	5	180	3
	Red sandy marl and gypsum	7	0	187	3
	Grey and sandy marl and gypsum	3	1	190	4
	Red sandy marl and sandstone	1	4	191	8
	Grey sandy marl	2	6	194	2
	Red sandy marl and gypsum	6	3	200	5

Series 520

SK40NE/S

Form P.71

6 inch Map
Regd. No.

4582.0567

2

SECTION OF Desford Coal Company No. 5 Borehole
Six Inch Map (County and Quarter Sheet) Leas, 30 SW

[illegible]



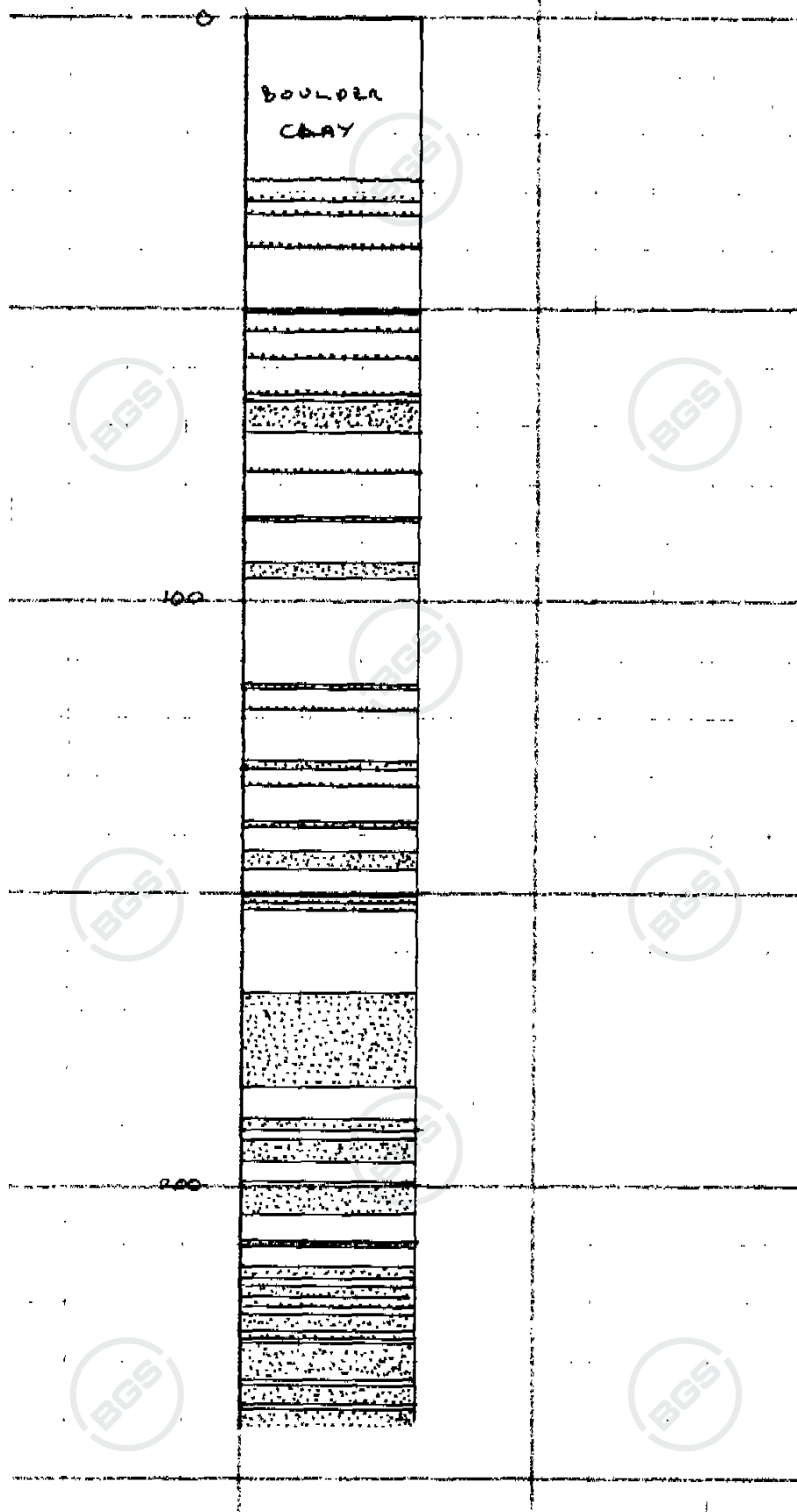
DESFORD BRICKWORKS No 1 (1963)

SK40NE24

SL 458.69 FT

SL 46156 06202

1 IN = 40 FT



Page 1/4

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS NO.1 (1962) BH. SN9023

Name and Number given by owner:

as above

For whom made

N.C.B.

Town or Village

Bagenorth

County

Shropshire

Exact site

1745 yds at 205° from the creek end

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

to form quality & thickness of Hard Marl

Ground Level at

shaft

relative to O.D. + 458.69 ft

bore

If not ground level give O.D. of beginning of

shaft

bore

Made by

Dr. J. A. 139.80 ft

Date of sinking

May 1962

Information from

examination of core

Date received

Examined by

A. D. M. Adam for Geological Survey

(For Survey use only)

6-inch Map Registered No.

155/317

SK40NE24

Nat. Grid Reference

E. 446156 N. 306202

1" N.S. Map

No.

155

1" O.S. Map

No.

Confidential

or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	Thickness		Depth	
		Fr	in.	Fr	in.
	Coring commenced at 11/0; core only fragmentary to about 50/0				
	Boulder Clay, red-brown clay with pebbles of chert, flint, quartzite, mudstone, etc.	(8.58)	27	(8.32)	6
	Marl, red-brown, sandy	(1.05)	3	(9.45)	0
	Sandstone, pale green, fine-grained	(0.40)	8	(9.65)	8
	Marl, red-brown		8	(9.85)	4
	Sandstone, pale green, fine-grained	(0.25)	10	(10.10)	2
	Marl, red-brown, sandy, occasional thin sandstone bands	(1.78)	10	(11.65)	0
	Sandstone, pale green, fine-grained, argillaceous	(0.23)	9	(12.12)	9
	Marl, red-brown	10	6	50	3
	Sandstone, pale green, fine-grained, pebbly and green mudstone laminae	(3.80)	4	(15.32)	7
	Marl, red-brown, sandy, numerous pale red-brown fine-grained sandstone bands	(0.61)	2	(16.05)	7
	Sandstone, pale green, fine-grained	(0.25)	10	(16.28)	5
	Marl, red-brown: 2" sandstone band at about 57/3; continuing in red-brown marl; 3" sandstone band at 58/10; continuing in red-brown marl	(8.02)	11	(19.30)	4
	Sandstone, pale green, fine-grained	(0.15)	10	(19.56)	2
	Marl, red-brown	(0.23)	9	(19.79)	11
	Sandstone, pale green, fine-grained, laminated in 1st 2"; continuing in marl				
	Sited on 6" Lias: 3000 ft 5.9.63				

Page 2 of 4

Name of Shaft or Bore given by Geological Survey:

Deaford Brickworks No.1.

6-inch Map
Registered
No.

SK 40 NE / 24

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward			(15.79)	44 11
	and sandstone; from 67/3 in pale green, fine-grained sandstone with mudstone bands	(1.96)	5	(21.74)	71 4
	Marl, red-brown, sandy, occasional green streaks	6	5	(23.70)	72 9
	Sandstone, pale green, fine-grained, laminated		7	(23.88)	72 4
	Marl, red-brown, sandy; occasional green sandstone patches near base	(1.98)	6	(25.86)	77 10
	Sandstone, pale green, fine-grained	(0.38)	2	(26.24)	78 0
	Marl, red-brown, sandy, siltstones; 2" green, fine-grained sandstone bands at 89/7, 89/10 and 90/10; continuing in red-brown sandy marl with abundant green sandstone patches	(2.08)	6 10	(28.30)	85 10
	Sandstone, pale green, fine-grained, argillaceous; from about 95/6 in pale purple and pale green banded, fine-grained; sandstone	(1.97)	6	(29.36)	88 4
	Marl, red-brown, sandy, occasional green streaks; very sandy red brown marl - about a fine-grained sandstone from about 104/0	(5.03)	16 6	(34.39)	103 10
	Sandstone, pale green, fine-grained, very hard	(0.51)	8	(34.90)	104 6
	Marl, red-brown, sandy, green streaks			(36.02)	108 2
	Sandstone, pale green, fine-grained, very hard	(0.10)	4	(36.12)	108 6
	Marl, red-brown, sandy, green streaks, occasional 1" sandstone bands; from about 127/6 in red-brown sandy marl with numerous green sandy bands	(2.89)	8 10	(38.81)	117 4
	Sandstone, pale green, laminated mudstone lenses	(0.43)	5	(39.24)	118 9
	Marl, red-brown, sandy, green sandy bands	2.61	0	(38.85)	116 9
	Sandstone, pale green, fine-grained	(0.25)	10	(40.11)	120 7
	Marl, green stained in top 2"; continuing in red-brown sandy marl, green streaks, occasional siltstones	(1.98)	5 10	(41.89)	125 5
	Sandstone, pale green, fine-grained, argillaceous	(0.38)	0	(42.19)	125 5
	Marl, red-brown, with abundant green sandy patches; from 129/4 in red-brown sandy marl, green streaks	(1.29)	4 2	(43.46)	128 7
	Sandstone, pale green, fine-grained, occasional mudstone lenses; passing to at about	(0.39)	2 7	(44.15)	129 2
	Marl, red-brown, sandy, green streaks; green sandy bands for 9" at 142/1; continuing in red-brown sandy marl, green streaks	(1.27)	4 6	(45.62)	134 8
	Sandstone, pale green, fine-grained	(0.15)	6	(45.77)	135 2
	Marl, red-brown, green sandy streaks		6	150	8
	Sandstone, pale green and pale purple, fine-grained	(0.18)	7	151 (46.10)	3
	Marl, red-brown, sandy, green streaks	(0.13)	5	151 (46.23)	8
	Sandstone, pale green, fine-grained, argillaceous	(0.03)	0	152 (46.53)	8
	Marl, red-brown, numerous green sandy bands in top 8"; continuing in red-brown marl, green streaks; 1" pale purple,				

Kemper Marl

Page 374

Name of Shaft or Bore given by Geological Survey:

Desford Brickworks No 1.

6-inch Map
Registered
No.

SK 40 NE / 24

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		Ft	in.	Ft	in.
	Brought forward			152	8
	fine-grained sandstone band at 155/3; continuing in red-brown sandy marl, occasional thin green sandy bands; for 12" at 163/4 in red-brown, very sandy marl with thin sandstone bands; continuing in red-brown marl, green shale, gypsum veins; thin sandstone bands at 164/6	(41 1/4) 13	7	(50 9/8) 167	3
	Sandstone, pale purple, very hard, mudstone muds and laminae, occasional gypsum veins; passing to a 169/10 pale to medium red-brown marly, very hard, fine-grained sandstone; 2" gypsum band at 174/10 with thin bands above and below; continuing in pale to medium grey red-brown, marly, fine-grained sandstone with several pale green sandstone bands; passing to at about	(4 65) 15 1/2	2	(58 65) 182	6
	Marl, red-brown, gypsum veins	5 1/2	5	187	11
	Sandstone, pale purple, fine-grained, mudstone flakes; from about 189/10 in pale green, fine-grained sandstone	(1 65) 2	2	(57 5/8) 190	5 1/4
	Mudstone, light green, sandstone laminae; 1/2" gypsum vein at top	(0 15) 6		190	(58 0 1/2) 2
	Marl, red-brown, sandy, siltstone; passing to Sandstone, pale green, fine-grained sandstone with occasional purple fine-grained sandstone bands and thin marl laminae; occasional thin gypsum veins	(0 23) 9		191	(58 3/2) 4
	Marl, red-brown, sandy, bands of sandstone laminae, gypsum veins; abundant sandstone laminae for 6" at 198/0	(1 00) 3	7	195	(59 1/4) 1
	Sandstone, pale purple, fine-grained, finely interbedded with red-brown marl and mudstone, gypsum veins	(1 12) 3	9	198	(60 5/8) 9
	Marl, red-brown, sandy, mudstone flakes, gypsum veins	(1 65) 5	5	204	(62 23) 2
	Sandstone, medium green, fine-grained, argillaceous, gypsum crystals	(1 67) 4	10	209	(63 70) 0
	Marl, red-brown, sandy, numerous pale purple fine-grained sandstone bands; from 212/3 in red-brown, very sandy marl with sandstone laminae; passing to at	(0 43) 1	5	210	(64 1/4) 5
	Sandstone, medium green, fine-grained, argillaceous, gypsum crystals at 214/3; several thin mudstone bands in band 9"	(0 31) 3	0	213	(65 05) 5
	Marl, tot 4" red-brown, sandy; continuing in medium green marl	(0 77) 2	4	215	(65 76) 9
	Sandstone, alternating pale green and pale purple, fine-grained with green and	(0 30) 1	0	216	(66 57) 9

Keeper's Hall

25/02/2012 14:05 4m 1/4/24

Name of Shaft or Bore given by Geological Survey:

Deaford Brickworks No.1

**6-inch Map
Registered
No.**

SK 40 NE/24

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward			216	9
	purple mudstone bands; large gypsum crystals at 217/7; dominantly pale purple sandstone from 218/2	(0.65)	2 3	219	(66.75) 0
	Mud, red-brown, sandy	(0.23)	9	219	(66.98) 9
	Sandstone, pale purple and pale green, with thin mudstone bands	(0.32)	1 0	220	(67.29) 9
	Mudstone, red-brown, with fine sandstone bands	(0.13)	9	22	(67.51) 6
	Sandstone, hard, pale purple, fine-grained, occasional bands of mud and gypsum	(0.79)	2 7	224	(68.30) 7
	Mud, red-brown, sandy	(0.10)	4	224	(68.40) 5
	Sandstone, pale purple, fine-grained, thin mud and gypsum bands	(0.20)	8	225	(68.61) 1
	Mud, red-brown, sandy	(0.13)	5	225	(68.93) 6
	Sandstone, pale purple, very hard, well-cemented, very uniform; from 230/3 in purple fine-grained sandstone and mud bands with gypsum	(2.16)	7 1	232	(70.59) 7
	Mudstone, red-brown	(0.20)	8	233	(71.10) 3
	Sandstone, pale purple, fine-grained, occasional mudstone bands; from about 235/6 in pale purple and pale green, fine- grained sandstone, narrow mud bands; passing to at about			237	(72.20) 2
	Mud, red-brown, sandy			238	(72.62) 2
	Sandstone, pale green and purple, fine-grained, occasional thin mud laminae			240	(73.20) 2
	Base of borehole				

PS99293/2 PS85 4m 14/81 XL



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS NO.1 (1963) B.H. SN9033

Name and Number given by owner:

as above

For whom made

N.C.B.

Town or Village

Bagworth

County

Leicester

Exact site 1745 yd at 205° from the west end
of St Peter's Church, Thornton.

Attach a tracing from
a map, or a sketch-
map, if possible.

Purpose for which made to prove quality & thickness of Keuper Marl

Ground Level at shaft
bore relative to O.D. +458.69 ft

If not ground level give O.D. of beginning of shaft
bore -

Made by

Torahy Ltd

Date of sinking

May 1963

Information from examination of core

Date received

Examined by A.D. M. Adam for Geological Survey

155/317
6-inch Map Registered

SK40/67

SK40NE/24

Nat. Grid Reference

E.446156 N.306202

1" N.S. Map
No.

155

1" O.S. Map
No.

Confidential
or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

Leic 30NW/W

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Coring commenced at 11/0; cores only fragmentary to about 50/0				
base of drift →	Boulder Clay, red-brown clay with pebbles of chert flint, quartzite, mudstone, etc	27	6	27	6
	Marl, red-brown, sandy	3	6	31	0
	Sandstone, pale green, fine-grained	8	6	31	8
	Marl, red-brown	8	6	32	4
	Sandstone, pale green, fine-grained	10	6	33	2
	Marl, red-brown, sandy, occasional thin sandstone bands	5	10	39	0
	Sandstone, pale-green, fine-grained, argillaceous	9	6	39	9
Keuper Marl	Marl, red-brown	10	6	50	3
	Sandstone, pale-green, fine-grained, purple and green mudstone laminae	4	6	50	7
	Marl, red-brown, sandy, numerous pale red-brown fine-grained sandstone bands	2	0	52	7
	Sandstone, pale green, fine-grained	10	6	53	5
	Marl, red-brown. 2" sandstone band at about 57/3; continuing in red-brown marl; 3" sandstone band at 58/10; continuing in red-brown marl	9	11	63	4
	Sandstone, pale green, fine-grained	10	6	64	2
	Marl, red-brown	9	6	64	11
	Sandstone, pale green, fine-grained, laminated in top 2"; continuing in mixture of marl				

Seen by O on 6' Leic 30NW/W 8.9.63.



Name of Shaft or Bore given by Geological Survey:

Desford Brickworks No.1.

6-inch Map
Registered
No.

SK 40 NE / 24

155 SK 40 / 67
317

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	brought forward			64	11
	and sandstone; from 69/3 in pale green, fine-grained sandstone with mudstone bands	6	5	71	4
	Marl, red-brown, sandy, occasional green specks	6	5	77	9
	Sandstone, pale green, fine-grained, laminated			78	4
	Marl, red-brown, sandy, occasional green sandstone patches near base	6	6	84	10
	Sandstone, pale green, fine-grained	1	2	86	0
	Marl, red-brown, sandy, alchenaides; 2" green, fine-grained sandstone bands at 89/7, 89/10 and 90/10; continuing in red-brown sandy marl with abundant green sandstone patches	6	10	92	10
	Sandstone, pale green, fine-grained, argillaceous; from about 95/6 in pale purple and pale green banded, fine-grained, sandstone	3	6	96	4
	Marl, red-brown, sandy, occasional green specks; very sandy red brown marl; - almost a fine-grained sandstone - from about 104/0	16	6	112	10
	Sandstone, pale green, fine-grained, very hard	1	8	114	6
	Marl, red-brown, sandy, green specks			118	2
	Sandstone, pale green, fine-grained, very hard		4	118	6
	Marl, red-brown, sandy, green specks, occasional 1" sandstone bands; from about 123/6 in red-brown sandy marl with numerous green sandy bands	8	10	127	4
	Sandstone, pale green, laminated mudstone laminar	1	5	128	9
	Marl, red-brown, sandy, green sandy bands	2	0	130	9
	Sandstone, pale green, fine-grained		10	131	7
	Marl, green stained in top 2"; continuing in red-brown sandy marl, green specks, occasional alchenaides	5	10	137	5
	Sandstone, pale green, fine-grained, argillaceous	1	0	138	5
	Marl, red-brown, with abundant green sandy patches; from 139/4 in red-brown sandy marl, green specks	4	2	142	7
	Sandstone, pale green, fine-grained, occasional mudstone laminar; passing to at about	2	7	145	2
	Marl, red-brown, sandy, green specks; green sandy bands for 9" at 148/1; continuing in red-brown sandy marl, green specks	4	6	149	8
	Sandstone, pale green, fine-grained		6	150	2
	Marl, red-brown, green sandy winks		6	150	8
	Sandstone, pale green and pale purple, fine-grained		7	151	3
	Marl, red-brown, sandy, green specks		5	151	8
	Sandstone, pale green, fine-grained, argillaceous	1	0	152	8
	Marl, red-brown, numerous green sandy bands in top 8"; continuing in red-brown marl, green specks; 1" pale purple,				

Keuper Marl

JS98293/2 JS95 4m 11/61 XL

Name of Shaft or Bore given by Geological Survey:

Desford Brickworks No 1.

6-inch Map
Registered
No.

SK 40 NE 24

155 SK 40/67
317

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward			152	8
	fine-grained sandstone band at 155/3, continuing in red-brown sandy marl, occasional thin green sandy bands; for 12" at 163/4 in red-brown, very sandy marl with thin sandstone bands; continuing in red-brown marl, green streaks, gypsum veins; thin sandstone bands at 164/6	13	7	167	3
	Sandstone, pale purple, very hard, mudstone wicks and laminae, occasional gypsum veins; passing to c 169/10 pale to medium red-brown marl, very hard, fine-grained sandstone; 2" gypsum band at 174/10 with thin bands above and below; continuing in pale to medium grey red-brown, marly, fine-grained sandstone with several pale green sandstone bands; passing to at about	15	3	182	6
	Marl, red-brown, gypsum veins	5	5	187	11
	Sandstone, pale purple, fine-grained, mudstone flakes; from about 189/10 in pale green, fine-grained sandstone	2	2	190	1
	Mudstone, light green, sandstone laminae; 1/2" gypsum vein at top		6	190	7
	Marl, red-brown, sandy, siltstone; passing to at		9	191	4
	Sandstone, pale green, fine-grained sandstone with occasional purple fine-grained sandstone bands and thin marl laminae; occasional thin gypsum veins	3	7	195	1
	Marl, red-brown, sandy, bands of sandstone laminae, gypsum veins; abundant sandstone laminae for 6" at 198/0	3	8	198	9
	Sandstone, pale purple, fine-grained, finely interbedded with red-brown marl and mudstone, gypsum veins	5	5	204	2
	Marl, red-brown, sandy, mudstone flakes, gypsum veins	4	10	209	0
	Sandstone, medium green, fine-grained, argillaceous, gypsum crystals	1	5	210	5
	Marl, red-brown, sandy, numerous pale purple fine-grained sandstone bands; from 212/3 in red-brown, very sandy marl with sandstone laminae; passing to at	3	0	213	5
	Sandstone, medium green, fine-grained, argillaceous; gypsum crystals at 214/3; several thin mudstone bands in basal 9"	2	4	215	9
	Marl, top 4" red-brown, sandy; continuing in medium green marl	1	0	216	9
	Sandstone, alternating pale green and pale purple, fine-grained with green and				

Keuper Mar

JS98293/2 PS85 4m 11/61 XL

Name of Shaft or Bore given by Geological Survey:

Desford Brickworks No 1

**6-inch Map
Registered
No.**

SK 40 NE/24

155 SK40/67
317

	GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
			Ft	in.	Ft	in.
		Brought forward			216	9
		purple mudstone bands; large gypsum crystals at 217/7; dominantly pale purple sandstone from 218/2	2	3	219	0
		Mudst., red-brown, sandy		9	219	9
		Sandstone, pale purple and pale green, with thin mudstone bands	1	0	220	9
		Mudstone, red-brown, with fine sandstone bands		9	221	6
		Sandstone, hard, pale purple, fine-grained, occasional bands of mud and gypsum	2	7	224	1
		Mudst., red-brown, sandy		4	224	5
		Sandstone, pale purple, fine-grained, thin mud and gypsum bands		8	225	1
		Mudst., red-brown, sandy		5	225	6
		Sandstone, pale purple, very hard, well-cemented, very uniform; from 230/3 in purple fine-grained sandstone and mud bands with gypsum	7	1	232	7
		Mudstone, red-brown		8	233	3
		Sandstone, pale purple, fine-grained, occasional mudstone bands; from about 235/6 in pale purple and pale green, fine-grained sandstone, numerous mud bands; passing to at about			237	2
		Mudst., red-brown, sandy			238	3
		Sandstone, pale green and purple, fine-grained, occasional thin mud laminae seen to			240	2
P.P		Base of borehole				
m. G. Sunkler						
1/3/77						

DS98293/2 PS85 4m 11/61 x L



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS No. 5 (1963) B.H. SN 9037

Name and Number given by owner:

as above

For whom made

N.C.B.

Town or Village

Thurton

County

Leicestershire

Exact site

1902 yds at 189° from the west end of St. Peter's Church, Thurton [Map attached to No. 1 B.H. Log]

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

to prove quality and thickness of Kuper Marl

Ground Level at shaft bore

relative to O.D. +415.06 ft

If not ground level give O.D. of beginning of shaft bore

Made by

Forsyth Ltd

Date of sinking

June 1963

Information from

examination of cores

Date received

Examined by

B.A. Hains, Geological Survey

Page 1873

(For Survey use only)

6-inch Map Registered No.

155

SK 40 NE/26

Nat. Grid Reference

E 446560 N. 305932

1" N.S. Map No.

155

1" O.S. Map No.

Confidential or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	in.	FT	in.
Glacial Drift	Coring started at 25ft, continuous from test depth			25 (7 1/2)	0
	Sand, pale reddish-brown, medium-grained; subangular to subrounded grains, almost unconsolidated	9 (2 7/8)	0	36 (10 3/4)	0
	Sand, fine to medium-grained, pale reddish brown, argillaceous; local pebbly beds (pebbles of quartz, quartzite, sandstone etc.)	2 (0 7/8)	6	38 (11 7/8)	6
	Sand, fine to medium-grained, pale reddish brown; small coal fragments in basal bin	10 (3 0)	0	39 (12 0)	6
	Brackish Clay; reddish brown, very sandy clay, mainly derived from Kuper Marl. Abundant pebbles up to 3-4 inches in diameter - green and reddish-brown sandstone, quartz, mudstone, marl etc.	57 (17 1/8)	4	96 (29 1/2)	10
Kuper Marl	Missing - driller records sand washed away	3 (0 9/10)	0	99 (30 4/5)	10
	Sand, pale reddish brown, medium to coarse-grained; grains subrounded to rounded, almost unconsolidated	4 (1 1/4)	2	104 (31 3/4)	0
	Sandstone, pale reddish brown, fine-grained; which marl pebbles at base	0 (0 0)	6	105 (32 1/5)	6
	Sandstone, very coarse-grained; rounded grains, mainly of quartz, some of marl; occasional small marl pebbles, reddish brown marl cement	0 (0 0)	5	107 (32 7/10)	5
	Shut in 6" Pipe. In work - 8' 6" Ls				

Name of Shaft or Bore given by Geological Survey:		6-inch Map Registered No.		Page 29		SK 40 NE		26	
DESFORD ARICKWORKS No. 5 (1963) B.M.									
GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	Thickness		Depth					
		FT	IN	FT	IN				
Kemper Marl	Brought forward					107	5		
	Siltstone, greenish, very finely micaceous; local reddish blotches	(0.48)		109	33 33				
	Marl, reddish brown with occasional green patches; finely micaceous and very silty; 2 inch band of fine gray sandstone at 112/11	(1.27)	4 2	(34.48)	2				
	Sandstone, pale pinkish gray; very hard and strongly cemented; small carbonaceous fragments	(0.70)	8	113	10				
	Marl, reddish brown, finely micaceous, very silty; 2 inch band of fine gray sandstone at 116/5; 2 inch band of coarse gray sandstone, hard and strongly cemented, at 117/7; 2 inch band of fine gray sandstone at 118/2; high content of fine-grained sand from c. 122 ft bedding horizontal	(6.10)	20 0	(40.39)	15				
	Marl, blotched reddish brown and greenish gray, very sandy	(0.28)	11	(41.07)	9				
	Sandstone, gray, very fine-grained; frequent marl laminae; 2 inch marl band at 135/9; 1 inch gypsum band below	(0.33)		135	41.40 10				
	Marl, mainly reddish brown with some greenish gray blotches; very sandy; thin gypsum veins at 137 ft and 137/1; frequent false-bedded sandy laminae; gypsum veins for thin at 141 ft 6 in [2 ft 6 in missing between 141/8 and 148/3]; gypsum bands for 2 inches at 148/3	(11.32)	14 2	(145.72)	0				
	Marl, reddish brown, finely micaceous;	(0.18)	7	150	145.90 7				
	Marl, reddish brown with some pinkish gray bands and blotches; very sandy; frequent sandy bands and laminae, often false-bedded; green in basal 3 inches	(1.43)	5 4	(147.32)	11				
	Sandstone, greenish gray; fine-grained and very hard, finely micaceous	(0.20)	8	(149.52)	7				
	Marl, pinkish gray, some sandy laminae; 1 inch fine-grained greenish green sandstone at 157/11	(0.51)	1 8	(149.23)	3				
	Sandstone, grayish-green, fine-grained, very hard;	(0.15)	6	158	149.38 9				
	Marl, reddish brown; frequent very irregular sandy lenses and laminae; passing to Sandstone, blotched grayish-green and reddish brown, fine-grained; very sandy, with marl layers; occasional gypsum veins in top bin, frequent and irregular below	(0.23)	9	159	149.62 6				
	Marl, reddish brown, very sandy and finely micaceous; steeply inclined gypsum veins for 6 inches at 163/10, less sandy below; [unlog bin marl and gypsum rubble recorded between 164/9 and 173/3. Driller suggests	(0.51)	3 0	162	149.53 6				



Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS N.5 (1963) BH

6-inch Map
Registered
No.

SK 40 NE

Page 543

26

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
Kempers Marl	Brought forward			162	6
	possible cavity] Greenish grey and very	2	58	(53.53)	
	Sandy from 173/9 to base, passing to	11	9	(53.11)	3
	Sandstone, very fine-grained, greenish grey,				
	gypsum veins for 3 in at 174/11; occasional				
	marl laminae from 175/2, passing to	(6.30)	7	(53.50)	10
	Marl, reddish brown, very sandy, occasional				
	small gypsum nodules; mainly greyish				
	green for 1 ft 11 in at 180/9, with many				
	sandy bands and laminae; finer grained				
	below to 182 ft; frequent sandy bands				
	and laminae below, often fairly bedded;	(3.81)		(57.71)	
	thin fine sandstone band at 187/2	12	6	189	4
	Sandstone, pale reddish brown, fine-grained,	(1.02)	2	192	(58.73)
	micaceous; some marly laminae				
	Marl, reddish brown with some green layers;				
	fine grained; green in basal 2 inches;	(0.41)	4	(58.13)	
	bedding almost horizontal seen to			194	0
	Bottom of borehole			194	59.13



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS No. 5 (1963) B.H. SN 9037

Name and Number given by owner:

as above

For whom made

N.C.B.

Town or Village

Thornorton

County

Leicestershire

Exact site

190.5 yds at 189° from the west end of St. Peter's Church, Thornorton [Map attached to No. 1 BH 64]

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

To prove quality and thickness of Keuper Marl

Ground Level at shaft bore

relative to O.D. +415.06 ft

If not ground level give O.D. of beginning of shaft bore

Made by

Forakly Ltd.

Date of sinking

June 1963

Information from

examination of cores

Date received

Examined by

B.A. Mains, Geological Survey

Nat. Grid Reference

E. 446560 N. 305932

1" N.S. Map No.

155

1" O.S. Map No.

Confidential or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
Glacial Drift	Coring started at 25ft, continuous from that depth			25	0
	Sand, pale reddish-brown, medium-grained; subangular to subrounded grains, almost unconsolidated	9	0	36	0
	Sand, fine to medium-grained, pale reddish brown, argillaceous; local pebbly beds (pebbles of quartz, quartzite, sandstone etc.)	c. 2	6	c. 38	6
	Sand, fine to medium-grained, pale reddish brown; small coal fragments in basal 6in.	c. 1	0	39	6
	Brackish Clay; reddish brown, very sandy clay, mainly derived from Keuper Marl. Abundant pebbles up to 3-4 inches in diameter - green and reddish-brown sandstone, quartz, mudstone, marl etc.	57	4	96	10
Keuper Marl	Missing - driller records sand washed away	3	0	99	10
	Sand, pale reddish brown, medium to coarse-grained; grains subrounded to rounded, almost unconsolidated	4	2	104	0
	Sandstone, pale reddish brown, fine-grained; 6 inch marl pebble at base	1	6	105	6
	Sandstone, very coarse-grained; rounded grains, mainly of quartz, some of marl; occasional small marl pebbles; reddish brown marl cement	1	11	107	5
	Sited by O on 6" Lewis: to NW/W. 8.9.63				



Name of Shaft or Bore given by Geological Survey:

DESERD BRICKWORKS No.5 (1963) B.H.

6-inch Map
Registered
No.

155 SK40/68
319

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		Ft	in.	Ft	in.
Kemp Marl	Brought forward			107	5
	Siltstone, greenish, very finely micaceous; local reddish blotches	1	7	109	0
	Marl, reddish brown with occasional green patches; finely micaceous and very silty; 2 inch band of fine grey sandstone at 112/11	4	2	113	2
	Sandstone, pale pinkish grey; very hard and strongly cemented; small carbonaceous fragments		8	113	10
	Marl, reddish brown, finely micaceous, very silty; 2 inch band of fine grey sandstone at 116/5; 2 inch band of coarse grey sandstone, hard and strongly cemented, at 117/7; 2 inch band of fine grey sandstone at 118/2; high content of fine-grained sand from c. 122ft bedding horizontal	20	0	133	10
	Marl, blotched reddish brown and greenish grey, very sandy		11	134	9
	Sandstone, grey, very fine-grained; frequent marl laminae; 2 inch marl band at 135/9, 1 inch gypsum band below	1	1	135	10
	Marl, mainly reddish brown with some greenish grey blotches; very sandy; thin gypsum veins at 137ft and 137/1; frequent false-bedded sandy laminae; gypsum veins for thin at 141ft 6in [2ft 6in missing between 141/8 and 148/8]; gypsum bands for 2 inches at 148/3	144	2	150	0
	Marl, reddish brown, finely micaceous;		7	150	7
	Marl, reddish brown with some pinkish grey bands and blotches; very sandy; frequent sandy bands and laminae, often false-bedded; green in basal 3 inches	5	4	155	11
	Sandstone, greenish grey; fine-grained and very hard, finely micaceous		8	156	7
	Marl, pinkish grey, some sandy laminae; 1 inch fine-grained greyish green sandstone at 157/11	1	8	158	3
	Sandstone, greyish green, fine-grained, very hard;		6	158	9
	Marl, reddish brown; frequent very irregular sandy lenses and laminae; passing to		9	159	6
	Sandstone, blotched greyish green and reddish brown, fine-grained; very waxy, with marl layers; occasional gypsum veins in top 6in, frequent and irregular below	3	0	162	6
	Marl, reddish brown, very sandy and finely micaceous; steeply inclined gypsum veins for 6 inches at 163/10, less sandy below; 1 only 6in marl and gypsum rubble recorded between 164/9 and 173/3. Driller suspects				

Name of Shaft or Bore given by Geological Survey:

DESFORD BRICKWORKS No. 5 (1963) BU.

6-inch Map
Registered
No.

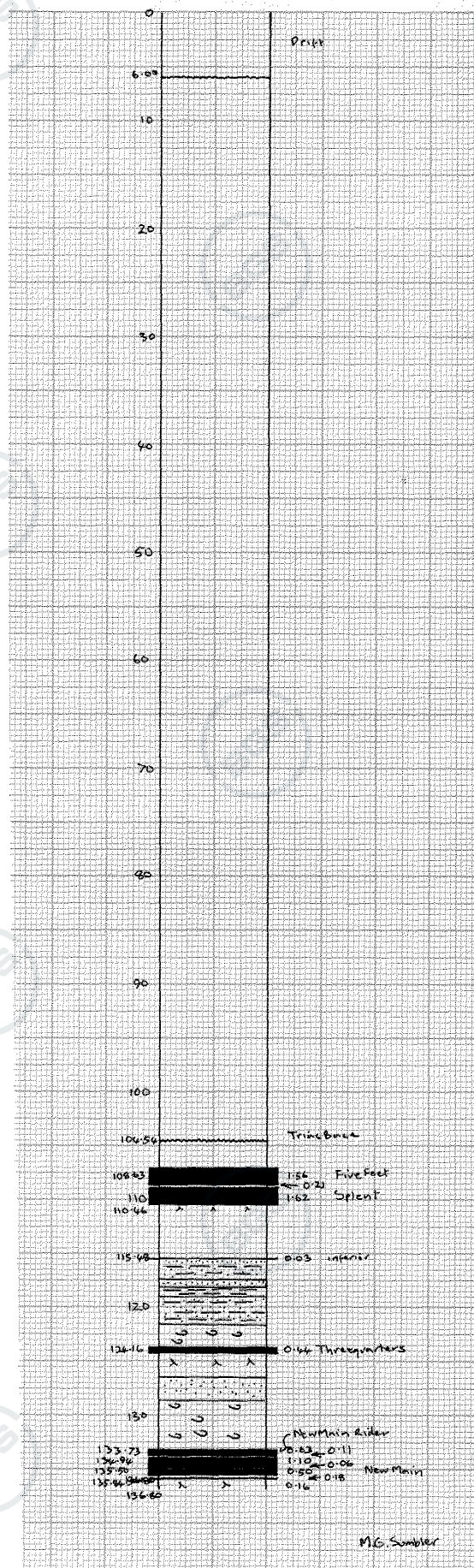
155 SK 40/68
319

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
Kemper Marl ✓	Brought forward			162	6
	possible cavity] Greenish grey and very				
	Sandstone from 173 1/2 to base passing to	c. 11	9	c. 174	3
	Sandstone, very fine-grained, greenish grey;				
	gypsum veins for 3 in. at 174 1/11; occasional				
	red. laminae from 175 1/2 passing to	c. 2	7	c. 176	10
	Marl, reddish brown, very sandy; occasional				
	small gypsum nodules; mainly greyish				
	green for 1 ft. in at 180 1/2, with many				
	sandy bands and laminae; finer grained				
	below to 182 ft; frequent sandy bands				
	and laminae below, often false bedded;				
	thin fine sandstone band at 187 1/2	c. 12	6	189	4
	Sandstone, pale reddish brown, fine-grained,				
	micaceous; some mottled laminae	3	4	192	8
	Marl, reddish brown with some green layers;				
	fine grained; green in basal 2 inches;				
	bedding almost horizontal seen to	1	4	194	0
	Bottom of hole			194	0

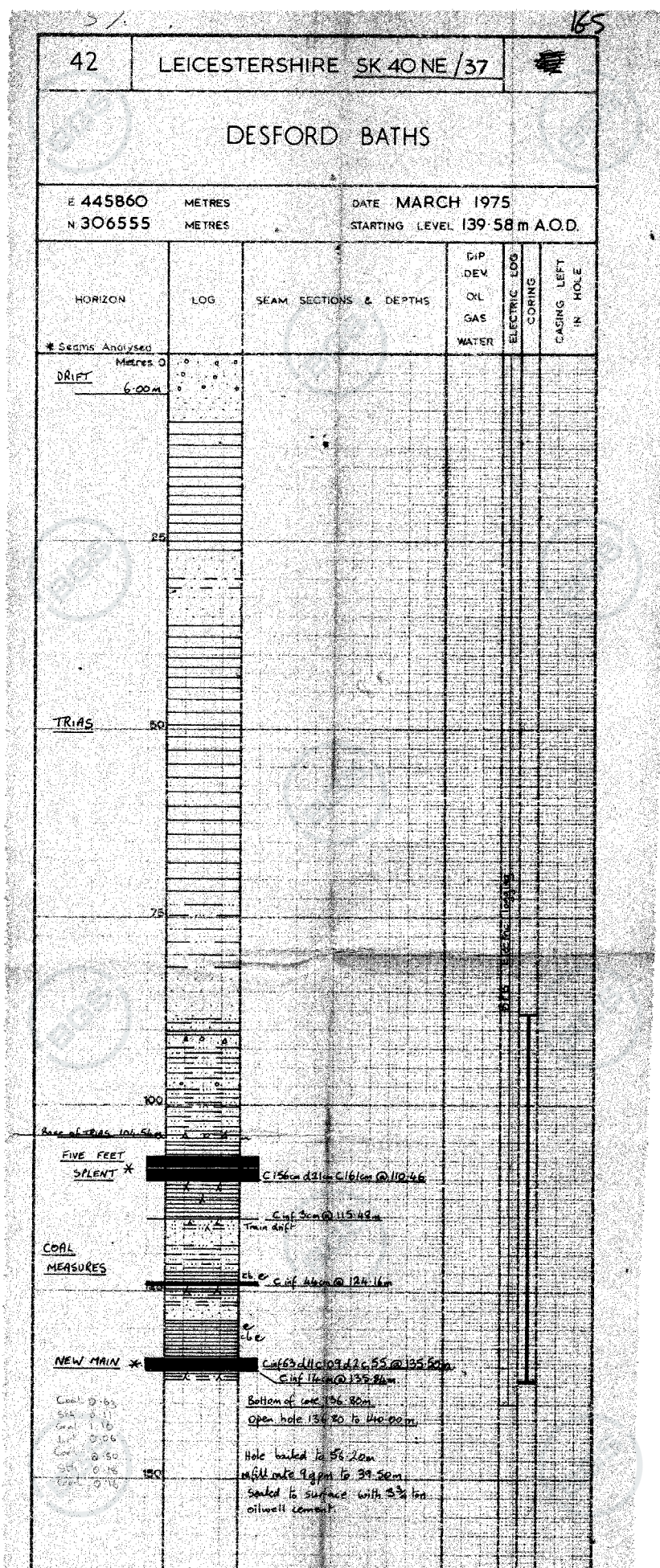
P. P.
m G. Sumbler
1/3/77

DESFORD BATHS (1975)
SL +139.58m
1cm : 5m

SK40NE/37
SK4586 0656



M.C. Sumner



Contact BGS: ngdc@bgs.ac.uk

FORM P 71
SERIES 880

Section of Desford Baths B.H.

6-INCH MAP	B/H
SK 40 NE/37	
SK 40 NE	44

*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
	Brought forward			104	54
	Mudstone, reddish brown and ochreous, listric, passage @	4	46	105	00
<u>COAL</u> <u>MEASURES</u>	Mudstone, pale grey with occasional ochreous staining. Few sub vertical joints, weak.	1	90	106	90
	Mudstone, darkish, poorly preserved mussels.		17	107	07
<u>FIVE FEET</u>	<u>COAL</u> solid 93 cm } broken 20 cm } <u>156 cm</u>	1	56	108	63
	solid 43	0	21	108	84
<u>SPLINT</u>	<u>DIRT</u> Seatearth mudstone darkish 21cm <u>COAL</u> cylinders 16 cm	1	62		
	Seatearth mudstone, soft listric, very weak	3	389	110	46
	Seatearth siltstone with irregular sandstone laminae		31	110	77
	Mudstone, weak listric, roots @ top, few ironstone nodules, "roughings"		10	110	87
	111.60 to 111.95	1	98	112	85
	Mudstone, few laminae, roots in top 0.30m. occasional thin ironstone bands, listric.	2	05	114	90
	Mudstone, silty, few irregular thin sandstone laminae, worn burrows.	0	44	115	34
	Mudstone, carbonaceous.	0	11	115	45
	<u>COAL</u> inferior 3cm.	0	03	115	48
	Seatearth sandstone	0	17	115	65
	Siltstone and sandstone interlaminated, roots in top 30cm. Train drift.	0	90	116	55
	Siltstone, sandstone laminae, few worn burrows.	0	87	117	42
	Sandstone, sub vertical joints	0	68	118	10
	Siltstone, few sandstone laminae, small scale train drift, overturned layer 118.48 to 118.58	0	90	119	00
	Siltstone and sandstone interlaminated, few plant fragments, faultlets, sub vertical joints	2	62	121	62
	Mudstone, carbonaceous, few ferruginous laminae, abundant ferruginous mussels.	1	50	123	12
	Mudstone, laminated, ironstone nodules, few mussels, highly listric in basal 10cm.	0	54	123	66
	Mudstone, highly carbonaceous, mussels	0	06	123	72
<u>Threeparters</u>	<u>COAL</u> appears inferior. 44cm	0	44	124	16
	Seatearth mudstone, darkish, few coal streaks	0	66	124	82
	Seatearth siltstone, few irregular sandstone laminae, abundant ironstone nodules.	1	18	126	00
	Mudstone, silty, laminated, thin ironstone bands.	0	48	126	48
	Sandstone, few siltstone laminae to 127.50 then massive below.	1	76	128	24
	Siltstone, irregular sandstone laminae, slumped layers.	0	61	128	85
	Mudstone, few laminae, rare mussels.	0	63	129	48
	Mudstone, carbonaceous, abundant ferruginous mussels.	2	84	132	32
	Mudstone darkish, few listric. ironstone band 132.56 to 132.67m weak and listric in basal 20cm.	0	78	133	10

FORM P 71
SERIES 680

Section of Desford Bath's BH.

6-INCH MAP	B/H
SK 40 NE 137	
SK 40 NE	42.

*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m or ft*	cm or in*	m or ft*	cm or in*
	brought forward.			133	10
NEW MAIN	CoAL appears dirty in part pyrite @ 133.57 and 133.68		63	133	78
	Seatearth mudstone, soft		11	133	84
	CoAL possibly inferior 134.11 to 134.24, sporadic thin pyrite veins.	1	10	134	94
	Dirt, highly carbonaceous		6	125	00
	CoAL abundant pyrite veins in basal 30cm.		50	135	50
	Seatearth mudstone, coal streaks.	0	18	135	68
	CoAL appears inferior	0	16	135	84
	Seatearth mudstone, soft	0	16	136	00
	Seatearth mudstone silty, rare thin sandstone laminae, sporadic ironstone nodules.	0	80	136	80
	Open hole 136.80m to 140.00m.				
	Hole bailed to 56.20m Refilled to 39.50m @ about 9 gals/min. then to 30.00m @ about 5 gals/min.				
	Borehole sealed with 3ton 15cwt oilwell cement.				

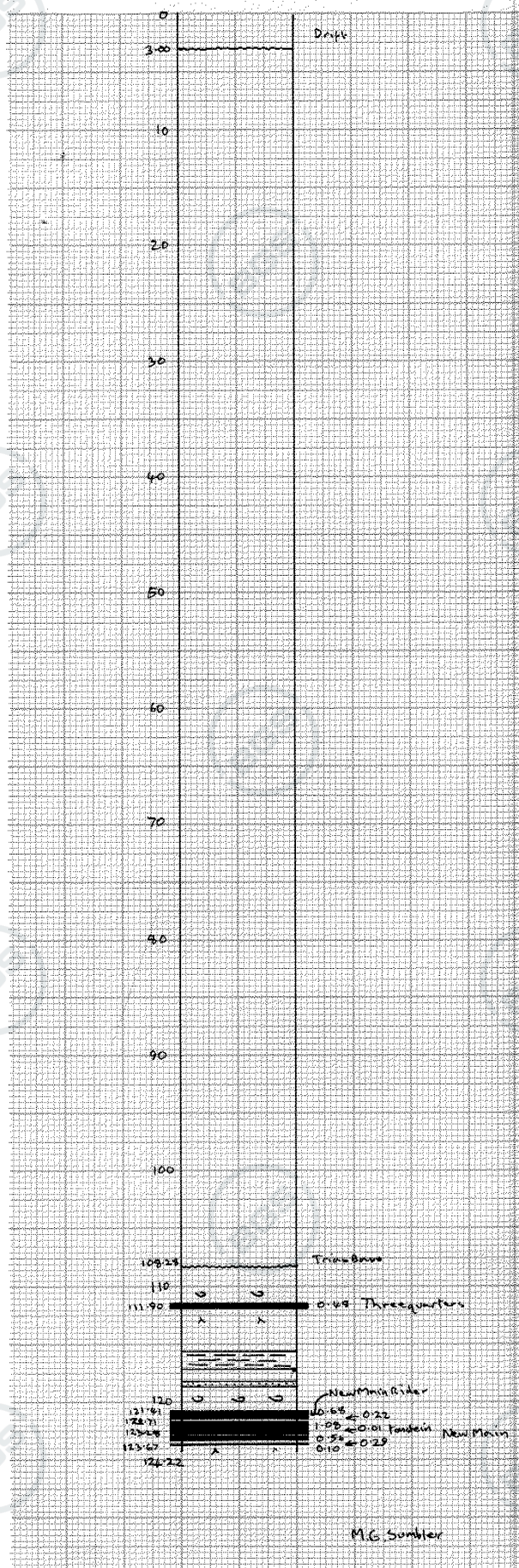
LITTLE FOX (DEEPOND) (1975)

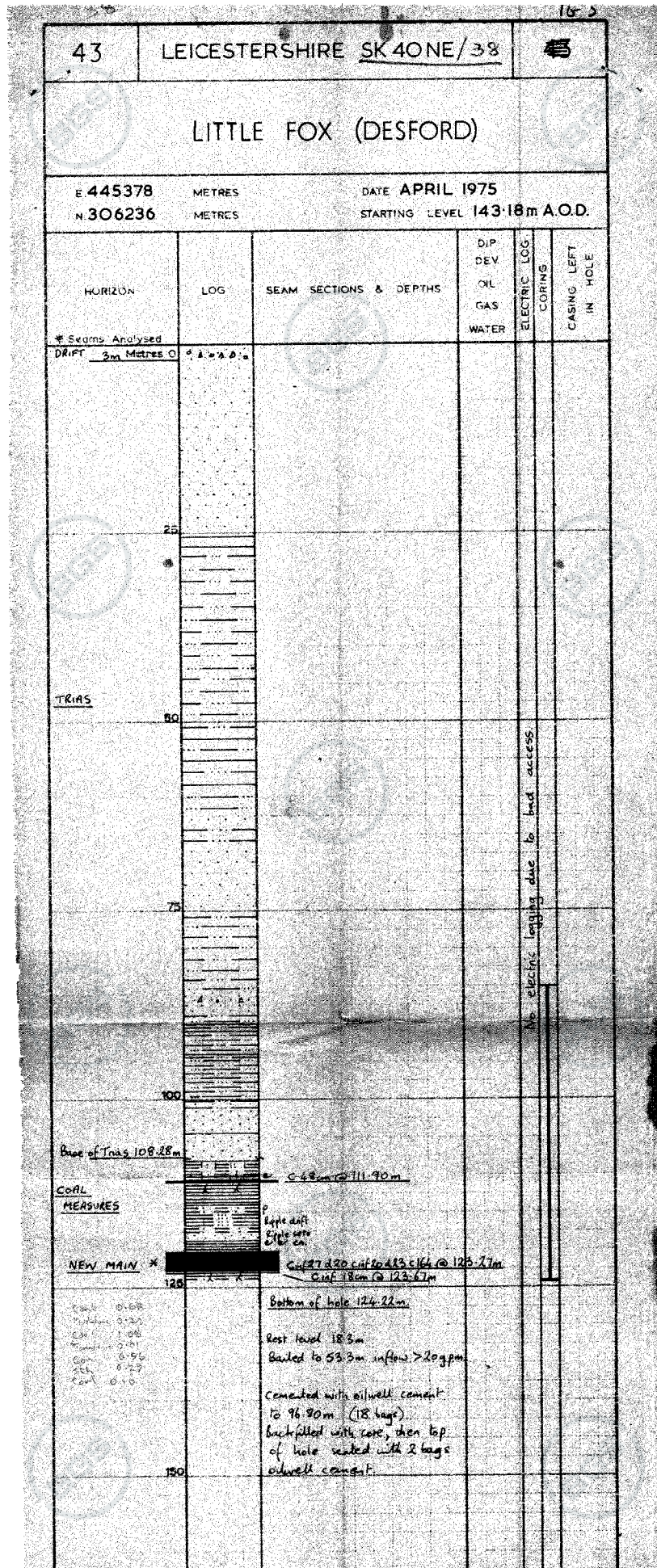
SL + 143.18

1 cm : 5 m

SK40NE/38

SK4538 0624





METRIC SECTION

on of LITTLE FOX (DES FORD)

rose To prove base of Trias and New Main Seam.

et Site **E 445378 m**

N 306236

el at which bore commenced relative to O.D. 143.18 AOD

e of sinking or boring April 1975

ker or borer Foraky for NCB S. Midlands Area.

SK 40 NE/38

(County, Sheet and Q.r.)

SK 40 NE 38

(Nat. Grid, Sheet & Qtr.)

Attach tracing from a map or sketch map if possible

*Delete As appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
	Open hole - Samples examined surface to 85 m.			0	00
	Gravel.			3	00
	Sandstone, grey green with red brown mudstone	21	00	24	00
	Mudstone, brown,	3	00	27	00
	Siltstone, red brown and sandstone grey green.	24	00	51	00
	Mudstone and siltstone red brown.	9	00	60	00
	Siltstone red brown and sandstone grey green.	9	00	69	00
	Sandstone grey green.	6	00	75	00
	siltstone red brown with few green sandstone fragments.	9	00	84	00
	Cores begin 85.50m.			86	50
	Sandstone, grey green, thin mudstone bands 85.93 to 86.00 : 86.45 to 86.50 coarse grained, gritty.				
	86.00 to 87.05 Breccia conglomerate of mainly green mudstone fragments				
	87.20 to 87.35 Very well cemented				
	87.45 to 88.50	2	00	88	50
	Siltstone, red brown and green mottled, sporadic gypsum fragments,	1	50	90	00
	Mudstone, dark red brown		35	90	35
	Siltstone, green grey and red brown,		50	90	85
	Mudstone purple brown		45	91	30
	Siltstone, red brown with greenish patches, sandstone layer with siltstone pebbles 92.25 to 92.30	2	49	93	79
	Sandstone, pale grey, well cemented erosive.		16	93	95
	Mudstone, purple brown, fine green patches		35	94	30
	Sandstone, pale grey, well cemented.		20	94	50
	Siltstone, brown, coarse grained, few greenish patches, occasional	5	85	100	35

FORM P. 71
SERIES 680

Section of LITTLE FOX (DESFORD)

5-INCH MAP

S/H

SK 40 NE/38

*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
	brought forward.			100	35
	Sandstone, pale grey, coarse grained with pebbles 100.50 to base.		51	100	86
	Siltstone, red brown, few gypsum fragments,		64	101	50
	Sandstone, grey green,		40	101	90
	Sandstone, red brown, few green fragments,	2	65	104	55
	Mudstone, red brown		30	104	85
	Sandstone, grey green, brownish patches, coarse grained with pebbles				
Base of Tnars 108.28m	breccia of red brown and ochreous mudstone fragments 108.20 to 108.28	3	43	108	28
	Mudstone, ochreous and red brown, lentic		37	108	65
	Mudstone, silty, few thin sandy laminae, red brown and ochreous patches;	1	77	110	42
	a few plant fragments in basal 5cm.				
	Mudstone, dark grey, worm tracks;		13	110	55
	Mudstone, carbonaceous, occasional red staining, plant stems, ferruginous mussels from 110.68 to 110.86		31	110	86
	Mudstone, grey, carbonaceous in basal 5cm		56	111	42
Threequarters	COAL (broken in top 5cm.)		48	111	90
	Seatearth mudstone, grey, highly lentic to 112.50				
	ironstone nodules from 112.50 to 113.40	1	50	113	40
	Mudstone, grey, plant stems common,		90	114	30
	Mudstone, grey, silty, thin sandstone laminae, plant stems, passing into a	1	22	115	52
	Siltstone, grey, irregular sandstone laminae; ripple drift, worm burrows,	1	68	117	20
See to 117.99	Mudstone, grey, silty, thin sandstone laminae		98	118	18
	Sandstone, few siltstone laminae, ripple sets, highly erosive base		42	118	60
	Mudstone, dark grey, worm tracks		45	119	05
	Mudstone, carbonaceous, conchoidal, abundant mussels, ironstone band 5cm @ 119.60	1	15	120	20
	Mudstone, grey, few ironstone nodules, worm tracks,		53	120	73
NEW MAIN.	COAL solid, appears inferior 121.04 to 121.10		68	121	41
	MUDSTONE dark grey		7		
	MUDSTONE pale grey		15	121	63
	COAL cylinders, quite common,	1	08	122	71
	DIRT ? ironstone		1	122	72
	COAL cylinders		56	123	28
	Seatearth mudstone, coaly streaks		29	123	57
	COAL		10	123	67
	Seatearth mudstone, grey, soft		18	123	85
	Seatearth mudstone silty,		37	124	22
	Bottom of hole : 124.22m.				
	Bailing test.				
	Rest level 18.3m 18.3m.				
	Bailed to 18.3m 53.5m inflow 20 gpm.				
	Hole cemented with 18 bags oilwell cement to 96.80m then backfilled with core.				
	Top of hole sealed with 2 bags oilwell cement.				



NGRC
BOREHOLE RECORDS
ADJUSTMENT FORM



British
Geological
Survey

QUARTER SHEET SK40NE

BH REGISTRATION NUMBER S7-67

~~NUMBER NOT USED~~

/

~~! LOG MISSING !~~

(Delete as appropriate)

RECORDS ENTERED & HSID BY WALLINGFORD

1" 156
6" 20 2 1/2 ft.

SK40/25
155
10

No. 5. Commenced by Dept. Allen, F.

SECTION OF BOREHOLE AT HALIFAX FARM
NEWBOLD VERDON.
June 15th, 1915.

Sk 4582 0568 1400 ft D.D.

	Ft.	ins.	Ft.	ins.
Soil and gravel.	2	0	2	0
Red clay and boulders.	12	0	14	0
Gravel.	2	0	16	0
Red clay and stones.	10	0	26	0
Red and grey marl.	24	0	50	0
Soft red marl.	11	0	61	0
Red marl.	2	0	63	0
Grey marl.	2	0	65	0
Red and grey marl.	13	8	78	8
Soft red marl.	8	0	86	8
Grey strong marl.	2	0	88	8
Red marl.	7	4	96	0
Grey marl.	2	0	98	0
Red marl.	4	6	102	6
Hard grey marl.	2	0	104	6
Soft red marl.	4	2	108	8
Grey marl.	4	0	112	8
Red marl.	2	0	114	8
Grey sandy marl.	2	4	117	0
Strong grey marl.	3	0	120	0
Strong red and grey sandy marl with gypsum.	7	7	127	7
Gypsum.		1	127	8
Red and grey marl and gypsum.	5	7	132	9
Gypsum.		4	133	1
Strong red and grey marl.	1	0	134	1
Red marl.	3	0	137	1
Red and grey marl with gypsum bands.	7	1	144	2
Dark red and grey marl with gypsum bands.	3	3	147	5
Strong grey marl.		9	158	2
Red marl and gypsum bands.	6	0	154	2
Soft red marl with gypsum bands.	6	0	160	2
Red and grey ditto	4	0	164	2
Red sandy marl and gypsum.	3	8	167	10
Grey marl and gypsum.	3	0	170	10
Grey sandy marl and gypsum.	2	6	173	4
Red sandy marl.	1	6	174	10
Red and grey marl.	4	0	178	10
Red marl.	1	5	180	3
Red sandy marl and gypsum.	7	0	187	3
Grey ditto	3	1	190	4
Red sandy marl and sandstone.	1	4	191	8
Grey sandy marl.	2	6	194	2
Red sandy marl and gypsum.	6	3	200	5
Red sandy marl and sandstone with gypsum.	8	1	208	6
Red sandstone.		8	209	2
Grey sandstone.		4	209	6
Red marl.	2	0	211	6
Red and grey sandstone.	2	0	213	6
Red marl.	2	0	215	6
Grey sandy marl.	1	6	217	0
Red sandy marl.	1	6	218	6
ditto and sandstone.	2	6	221	0
Grey sandy marl and sandstone.	3	6	224	6
Red and grey marl.	2	0	226	6
Red sandstone.		8	227	2
Red sandy marl.	1	7	228	9
ditto and gypsum.	2	0	230	9
Red and grey marl.	1	4	231	9
Red and grey sandy marl and sandstone bands.	7	0	238	9
Red and grey marl.	1	0	239	9
Soft red and grey sandstone.	5	0	244	9
Grey and red sandstone.	4	0	248	9
Red and grey marl.	2	0	250	9
Coarse red and grey sandstone.	6	6	257	3
Red and brown sandstone.	1	0	258	3
Red and grey marl.	1	0	259	3
Coarse red sandstone.	1	0	260	3



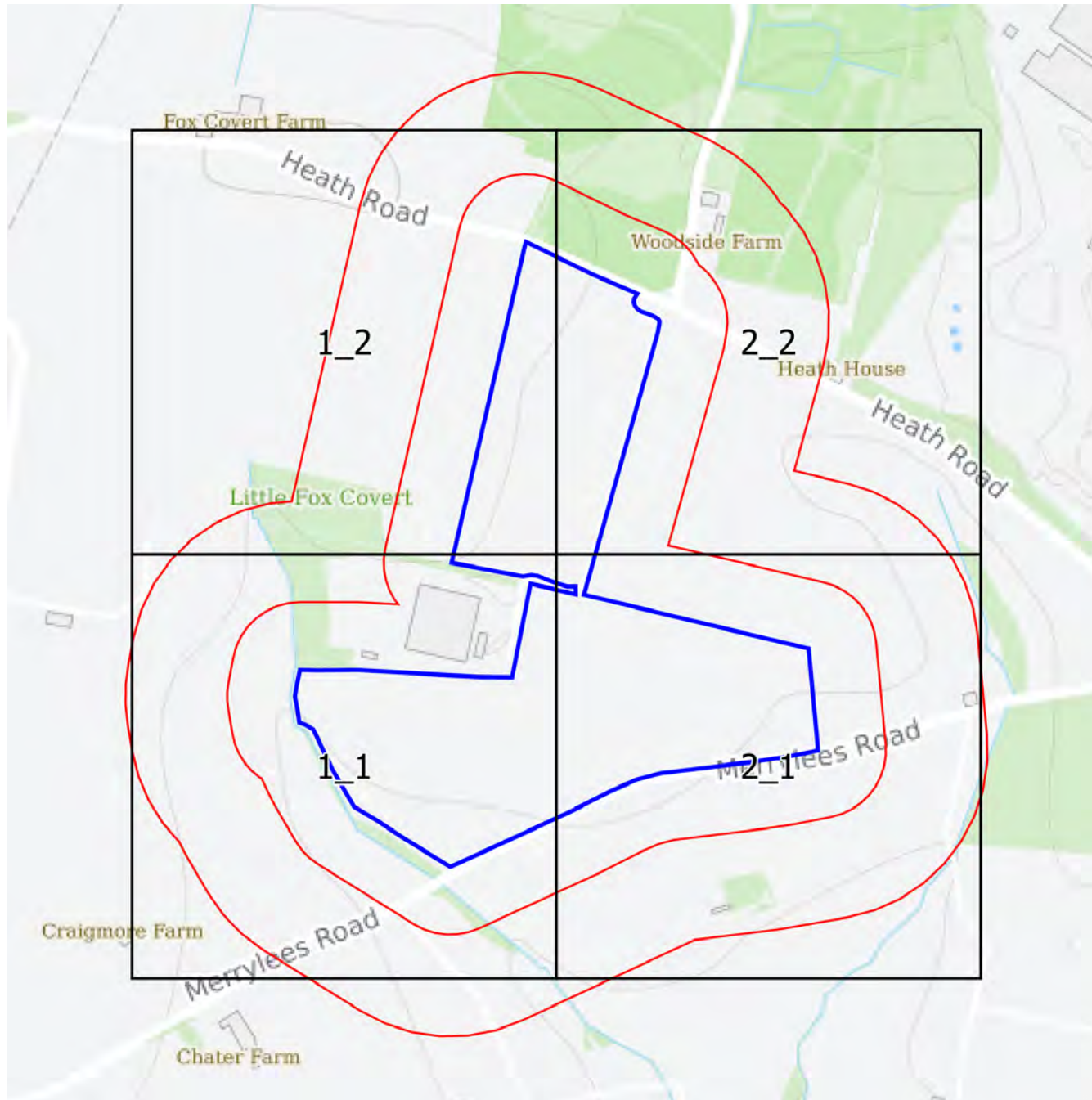
DECLASSIFIED
CONFIDENTIAL
21 JUL 1999

155 SK40/25
100

	Ft.	ins.	Ft.	ins.
Red and grey sandy marl and gypsum.	7	0	267	3
Soft red and grey marl.	1	0	268	3
Coarse red and grey sandstone.	4	3	272	6
Red and grey sandstone.		6	273	6
Soft red and grey marl.	12	0	285	0
Soft red marl.	4	10	289	10
Red sandstone.	1	0	290	10
Coarse red and grey sandstone.	2	6	293	4
Red and grey sandy marl.	1	0	294	4
Red sandstone and bands of soft red marl.	3	0	297	4
Soft red marl.	8	0	305	4
Dark red sandy marl.	6	0	311	4
Grey sandy marl.		6	311	10
Red sandstone.	1	9	313	7
Coarse red and grey sandstone.	3	0	316	7
Conglomerate.		6	317	1
Soft yellow and purple bind.	6	3	323	4
Blue and purple bind.	3	0	326	4
Silt clunch.		9	327	1
Coal.		3	327	4

Coal
Measures

Appendix 3: Groundsure Report



1:2,500 Scale Grid Index



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: County Series

Map date: 1886

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

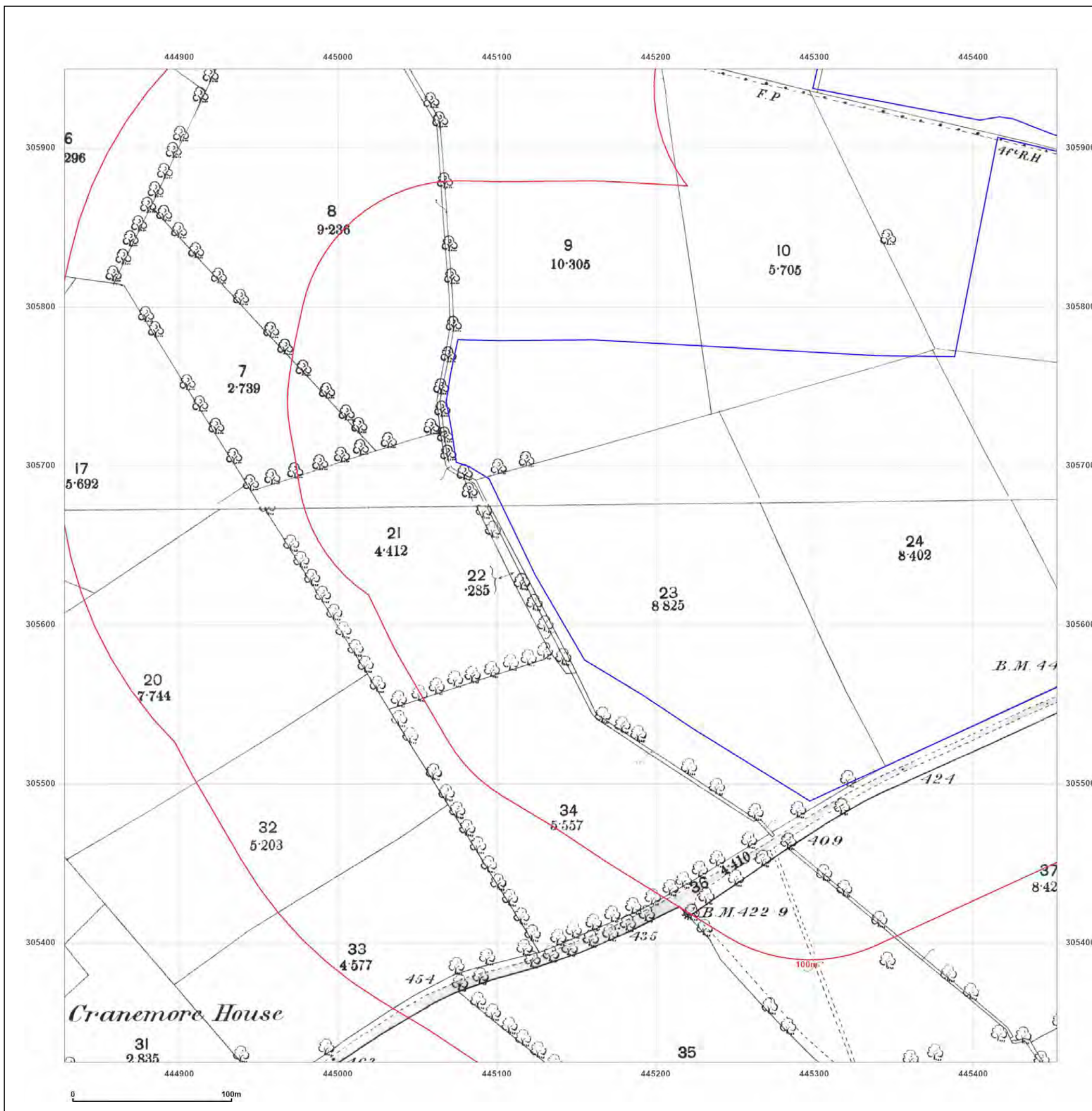


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: County Series

Map date: 1903

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

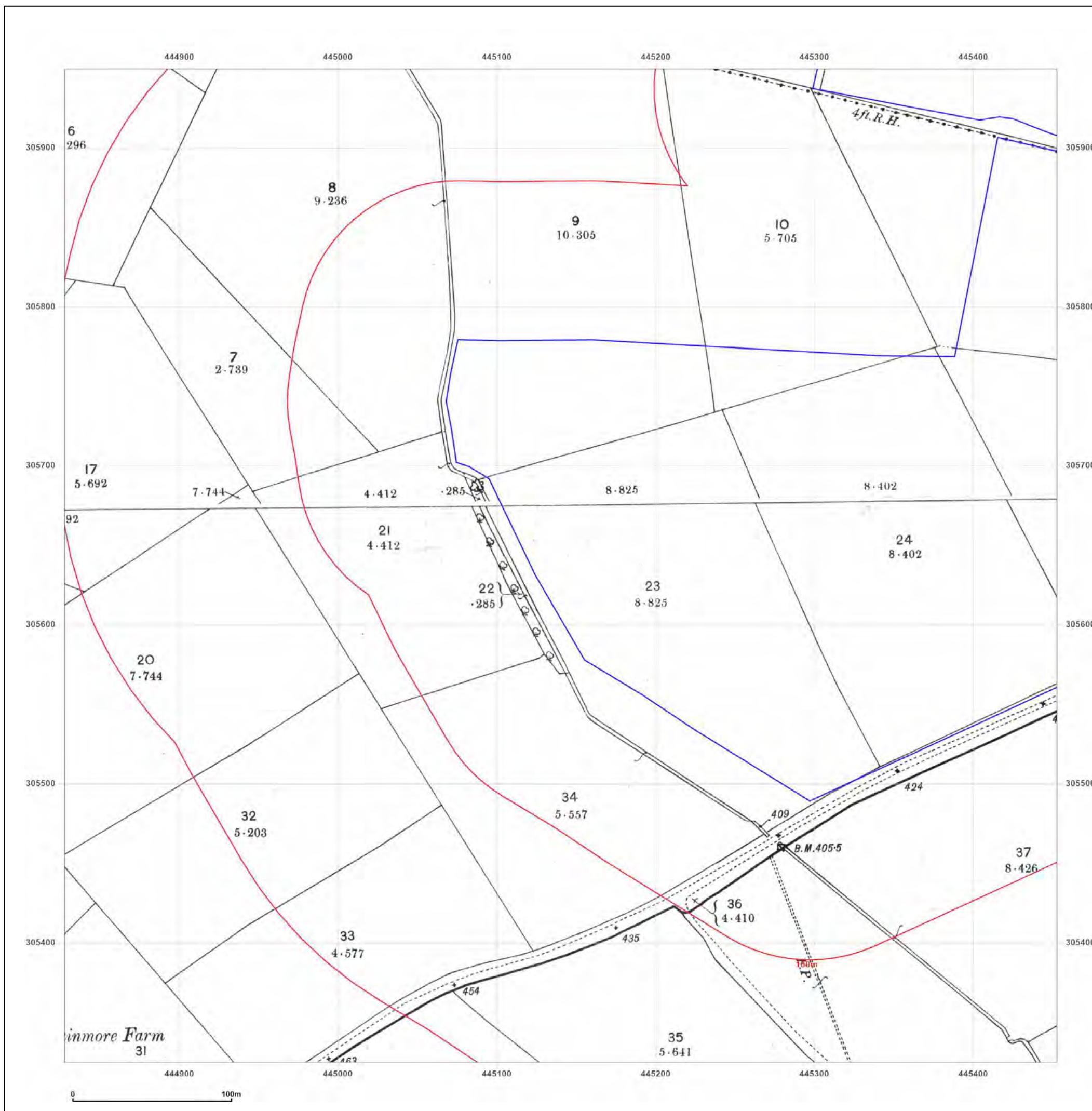


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: County Series

Map date: 1915

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1915
 Revised 1915
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1915
 Revised 1915
 Edition N/A
 Copyright N/A
 Levelled N/A

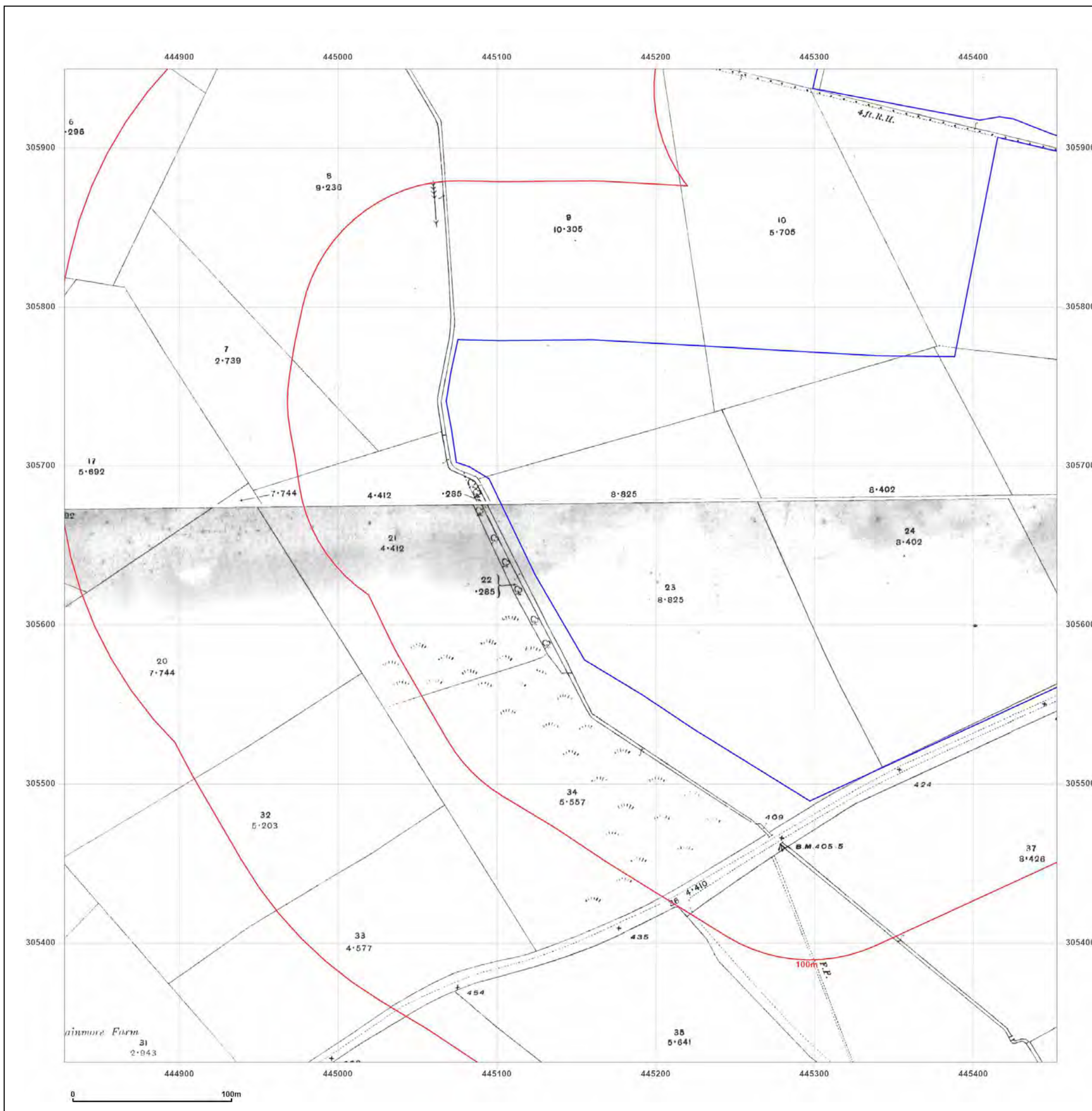


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: County Series

Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

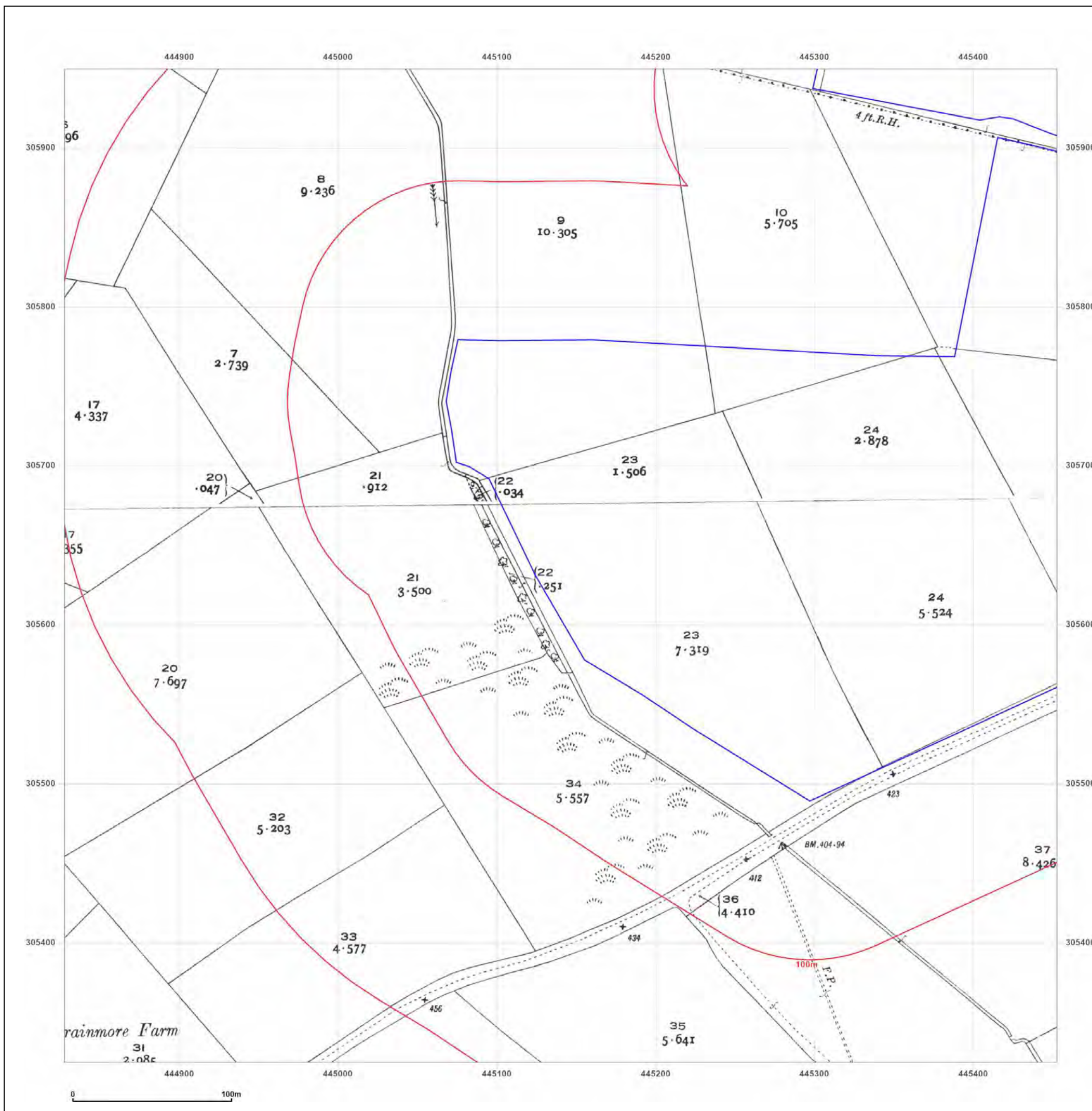


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

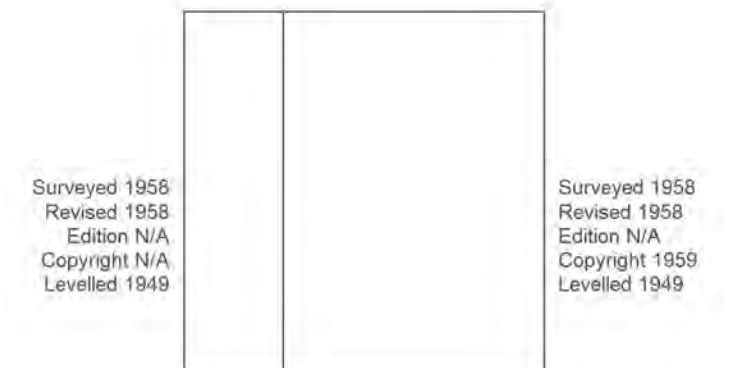
Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: National Grid

Map date: 1958-1959

Scale: 1:2,500

Printed at: 1:2,500

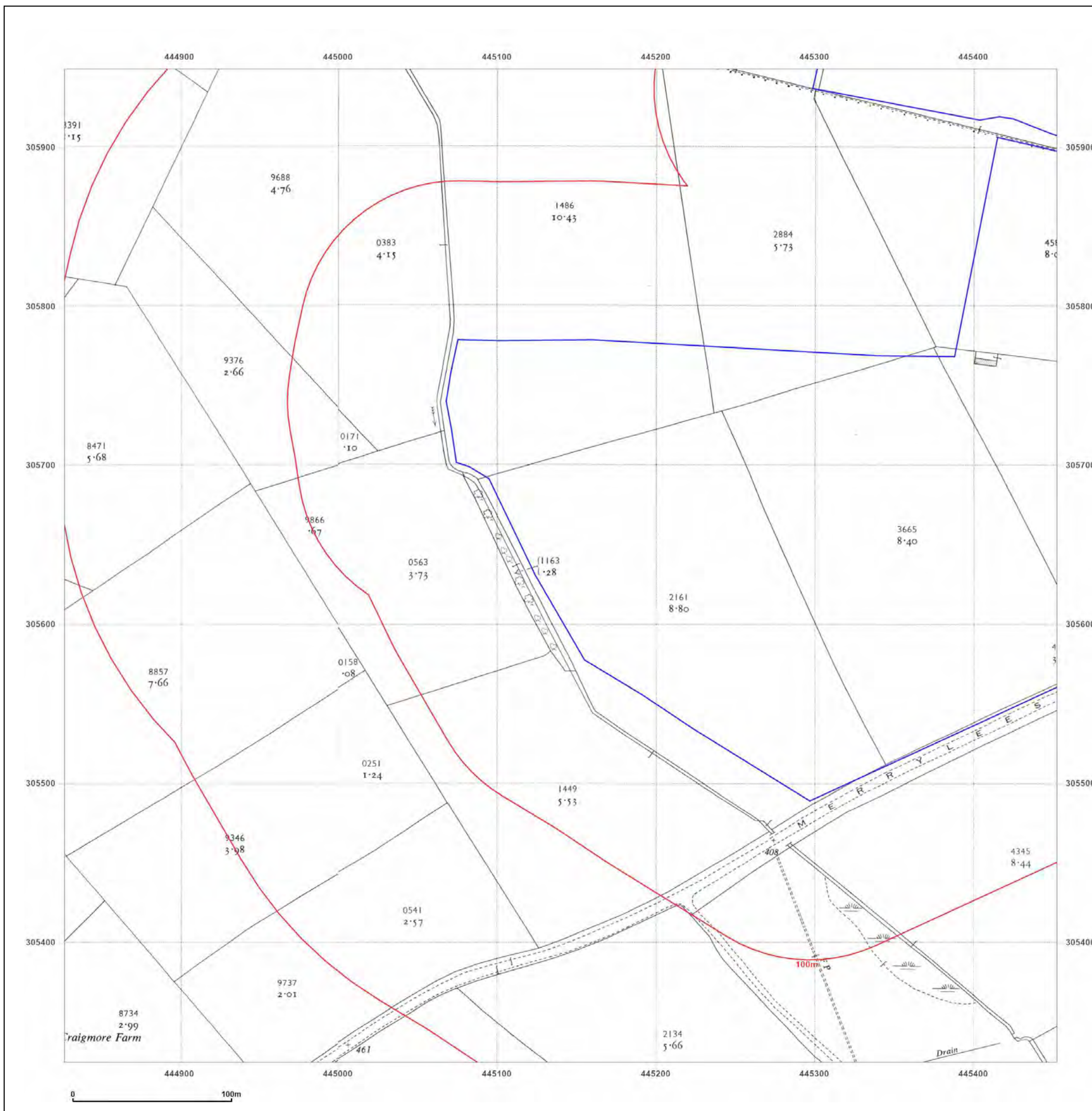


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_1
Grid Ref: 445140, 305637

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

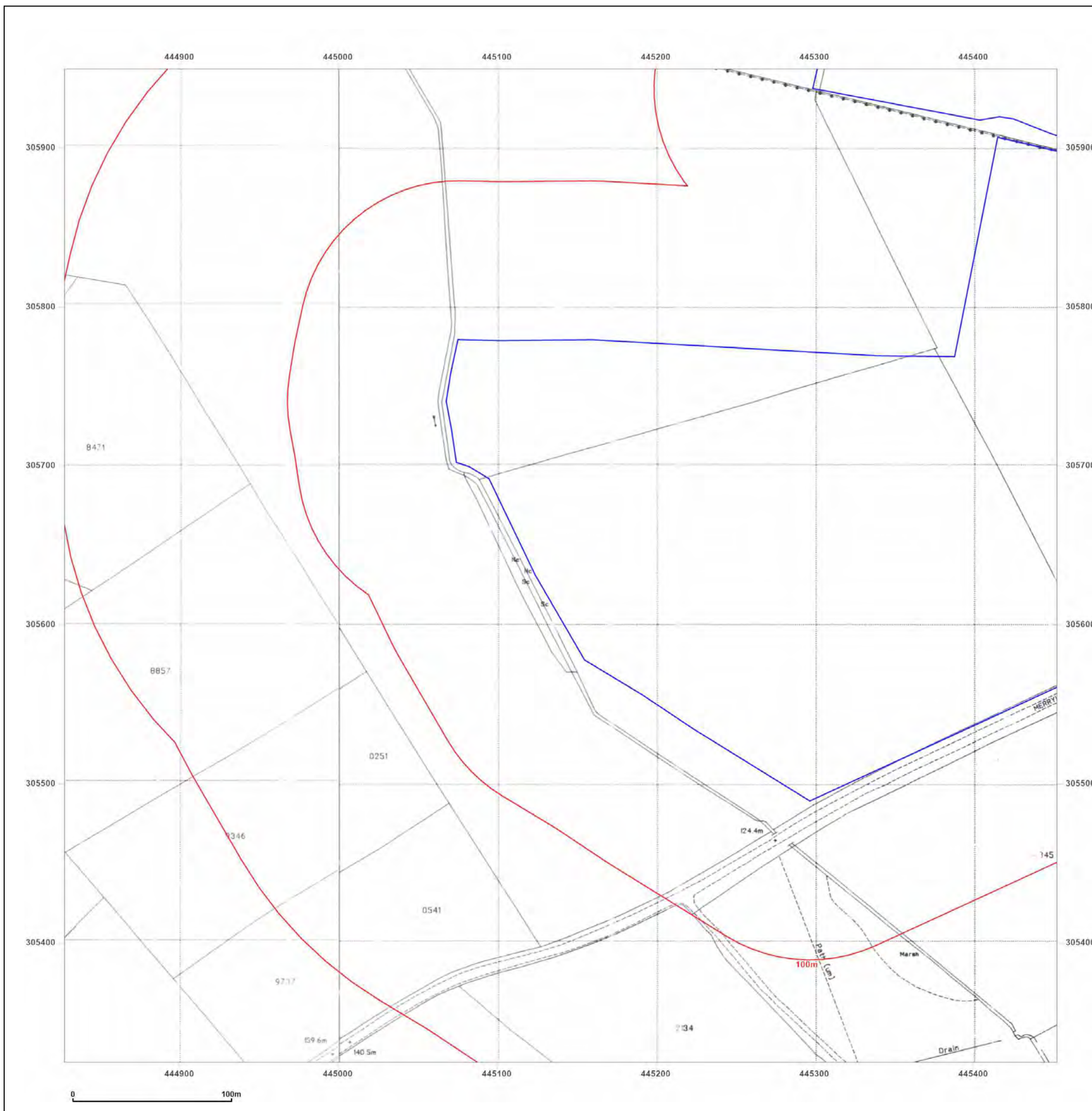


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: County Series

Map date: 1886

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

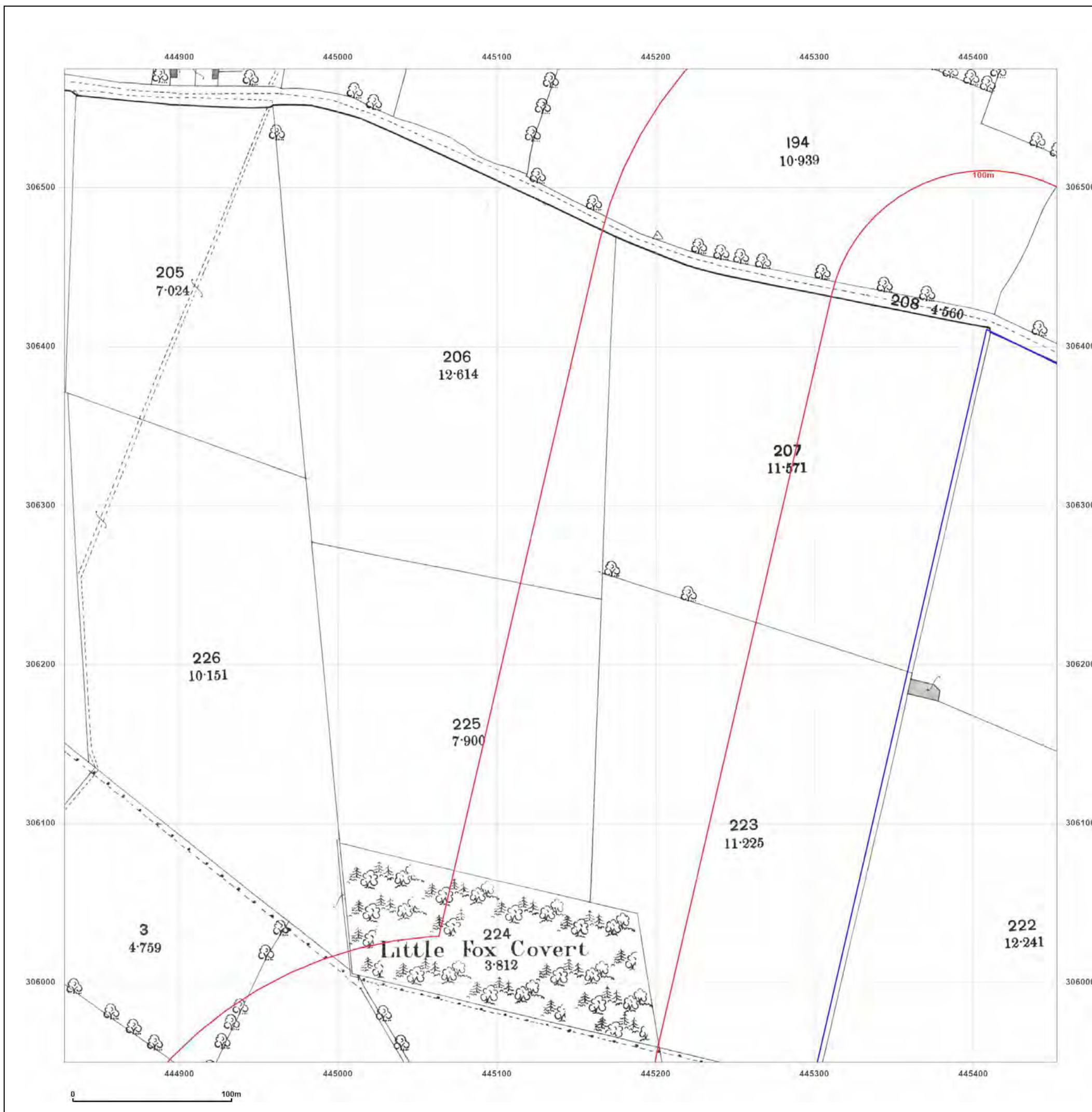


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: County Series

Map date: 1903

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

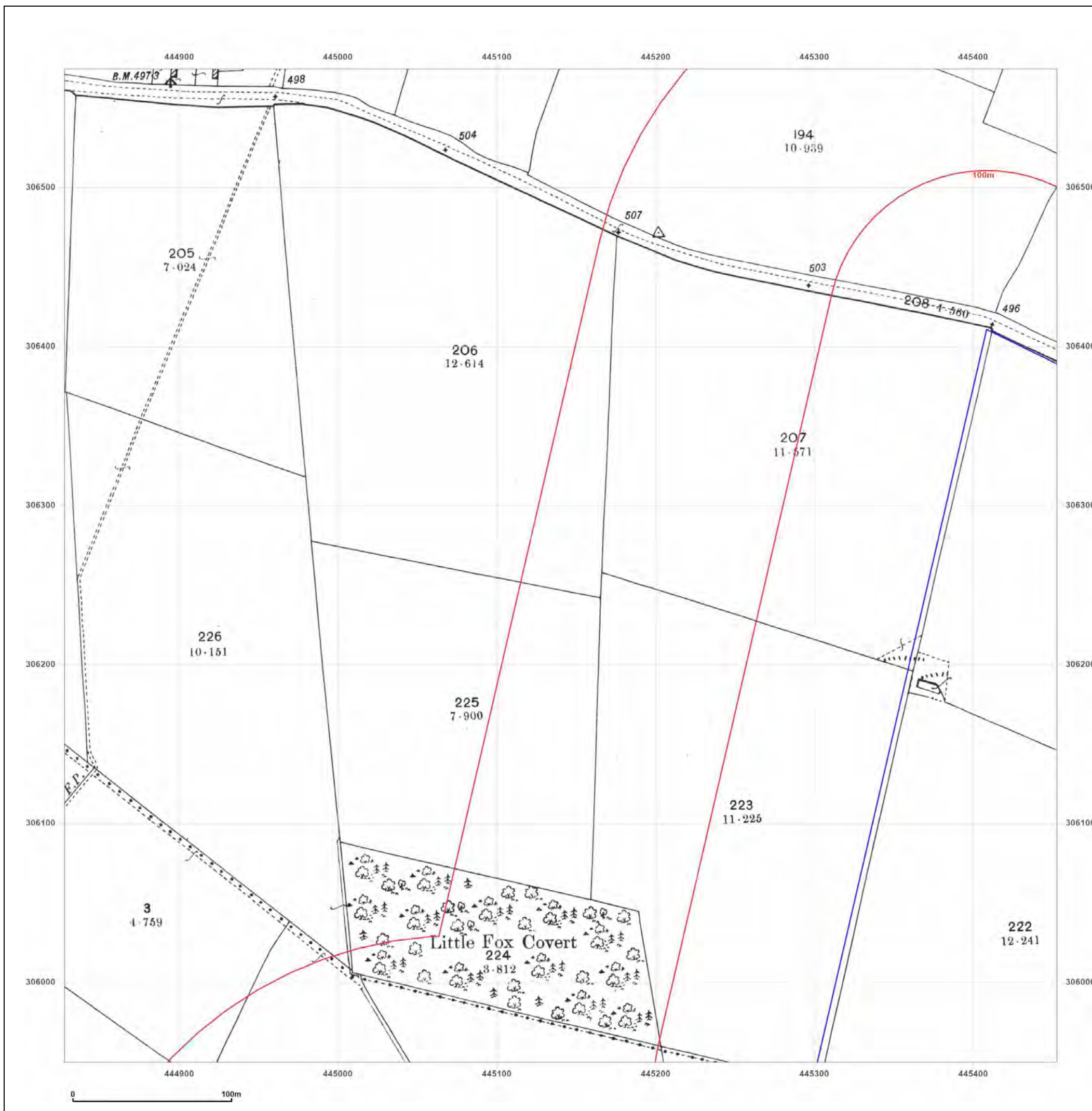


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: County Series

Map date: 1915

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1915
 Revised 1915
 Edition N/A
 Copyright N/A
 Levelled N/A

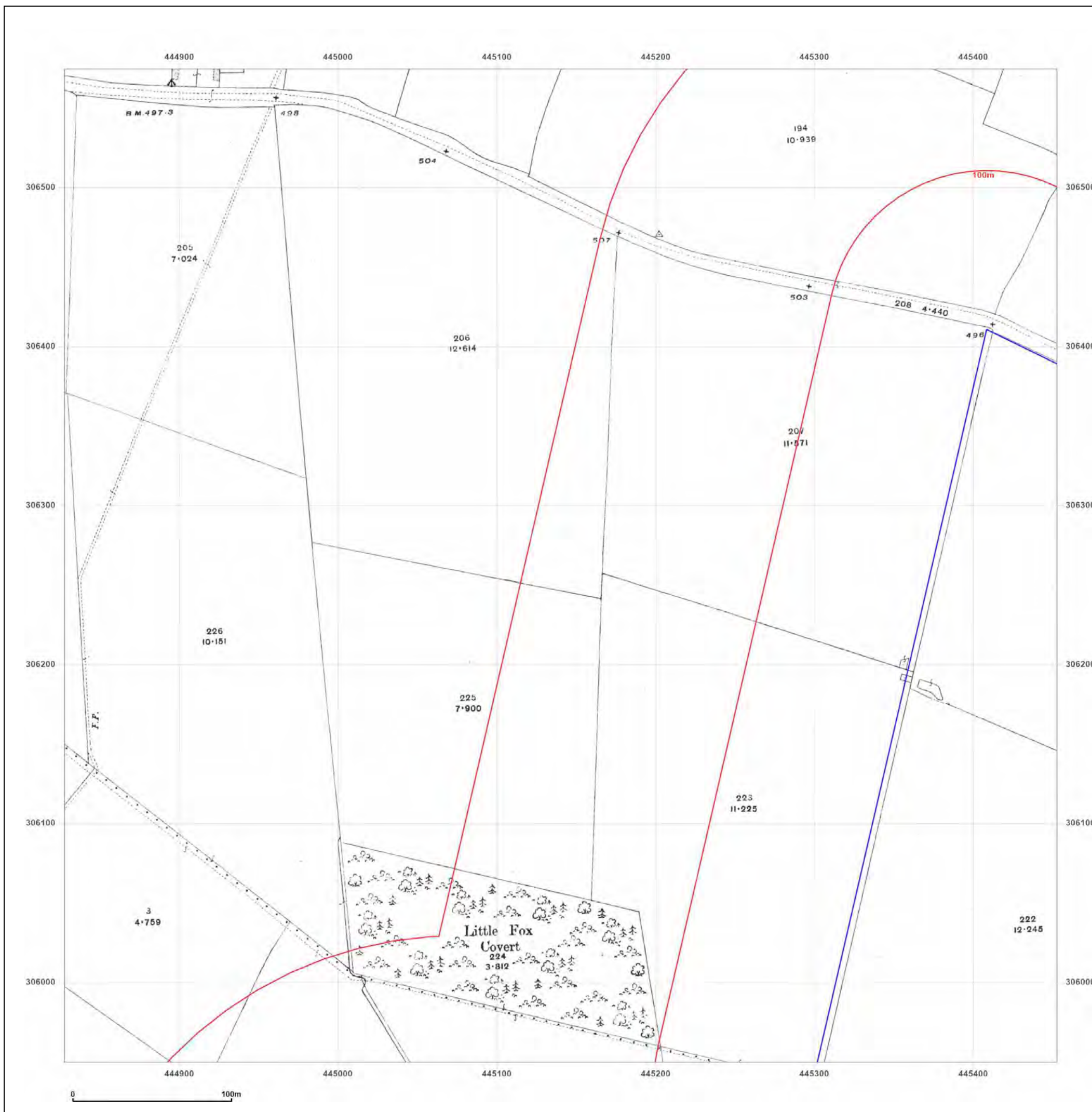


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: County Series

Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

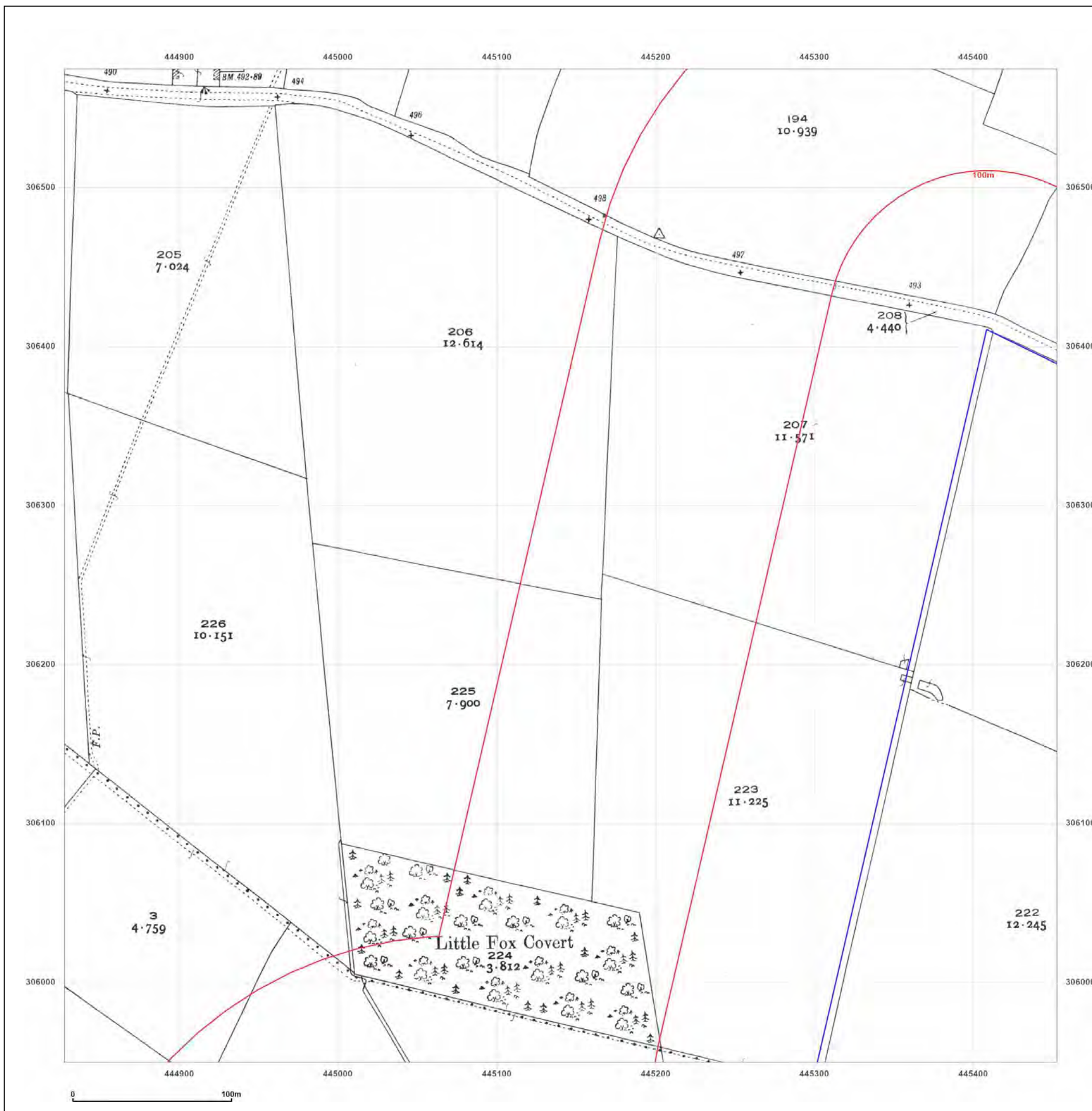


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: National Grid

Map date: 1958-1959

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright N/A
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

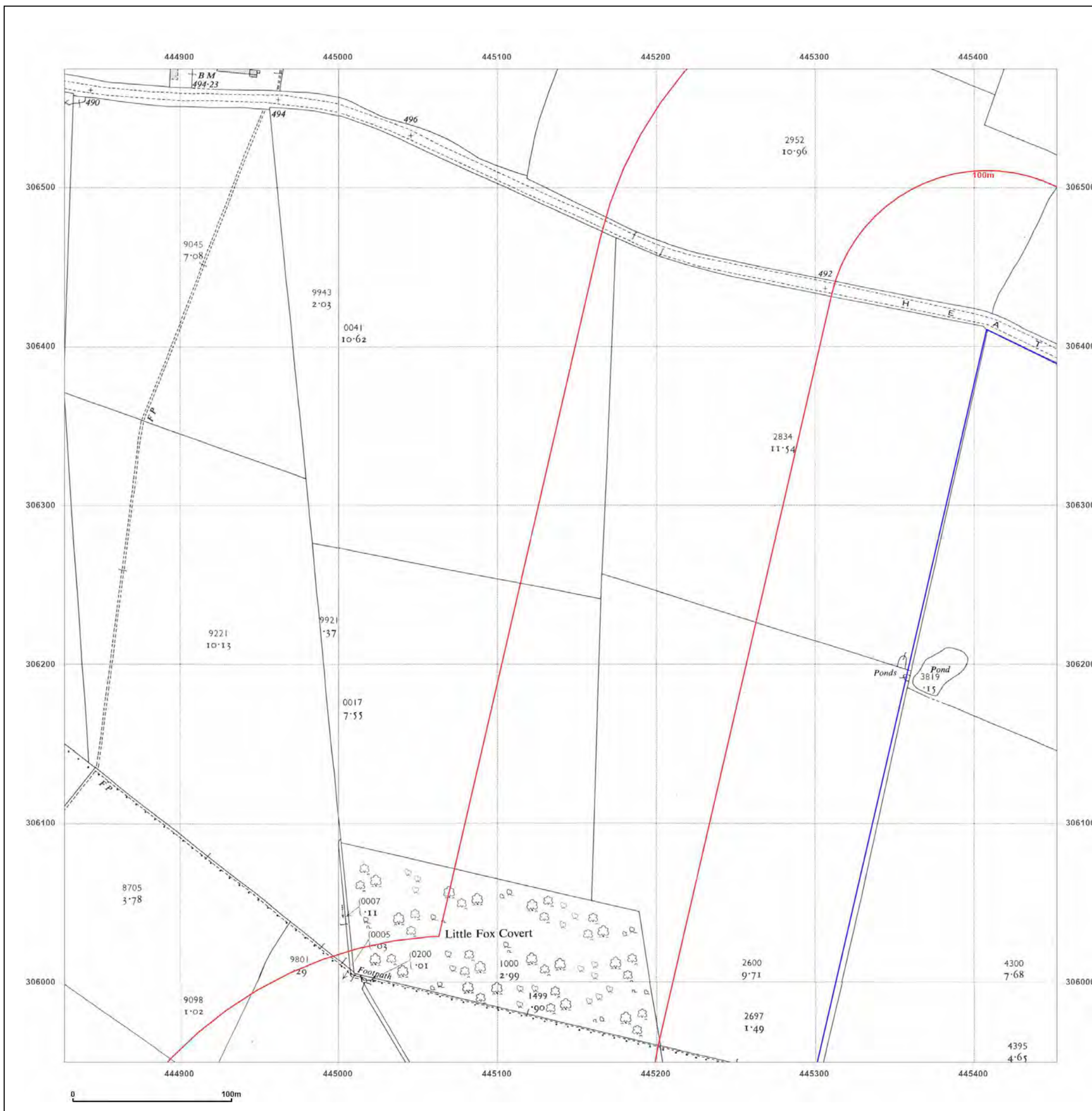


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: National Grid

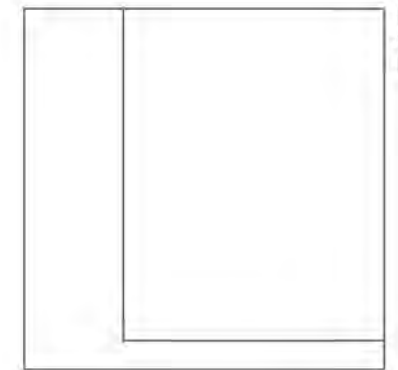
Map date: 1984

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1963

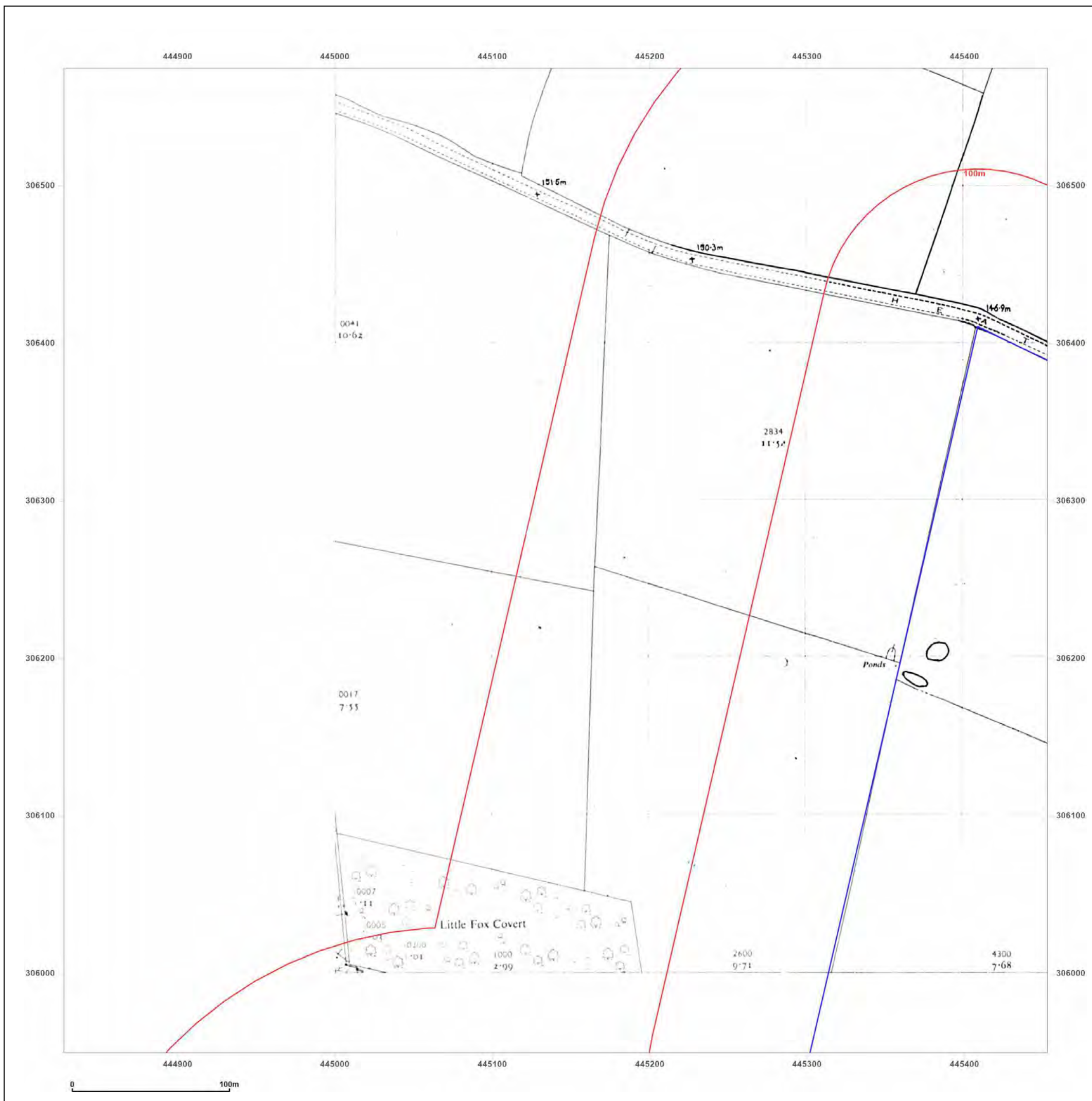


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

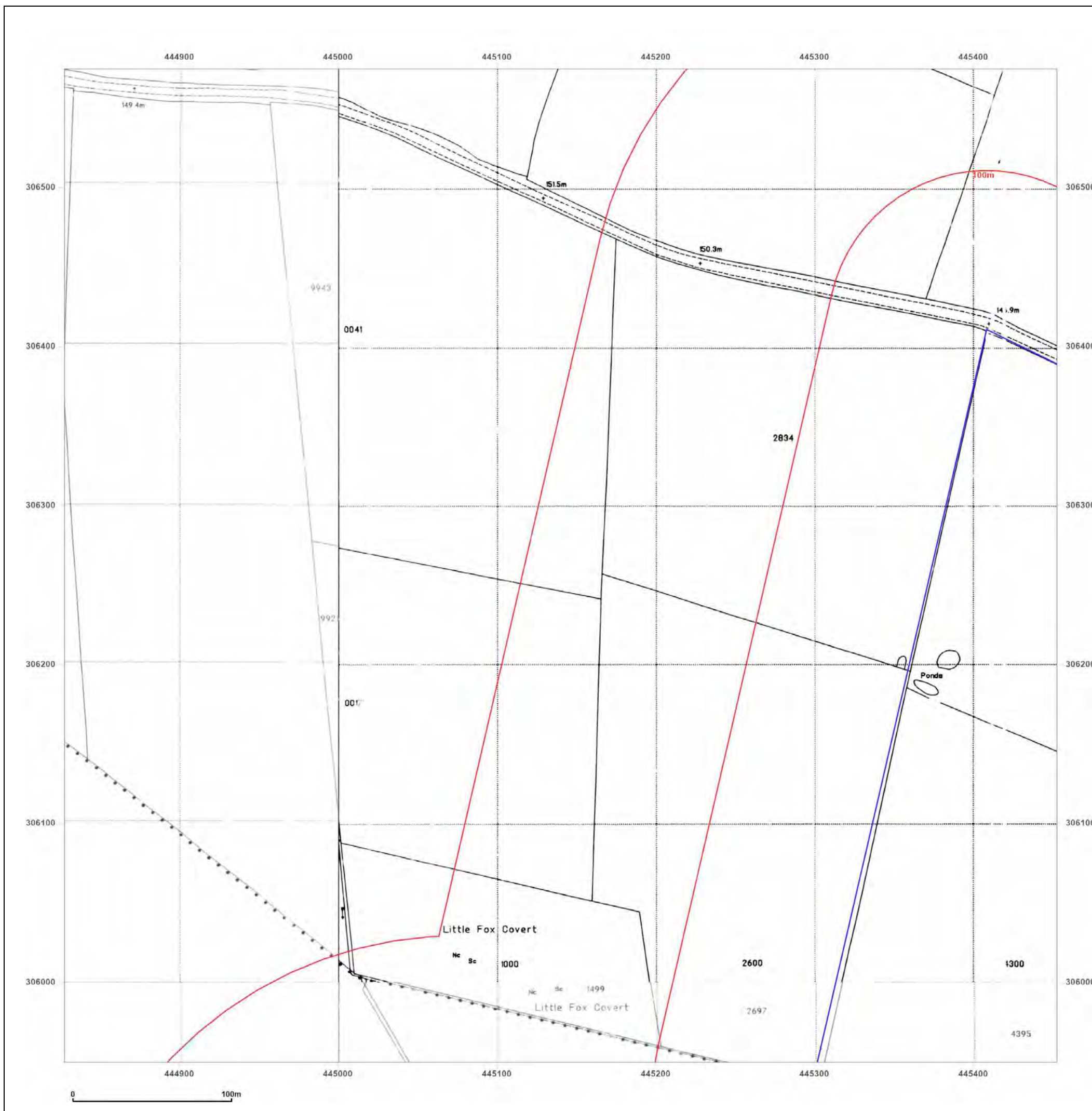


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: National Grid

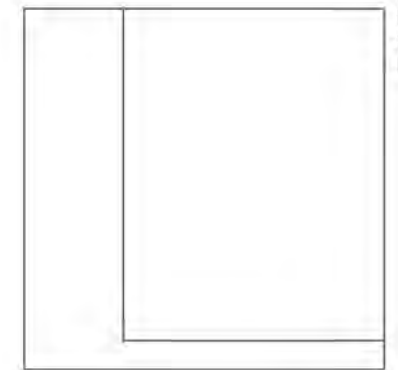
Map date: 1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1995
 Levelled N/A

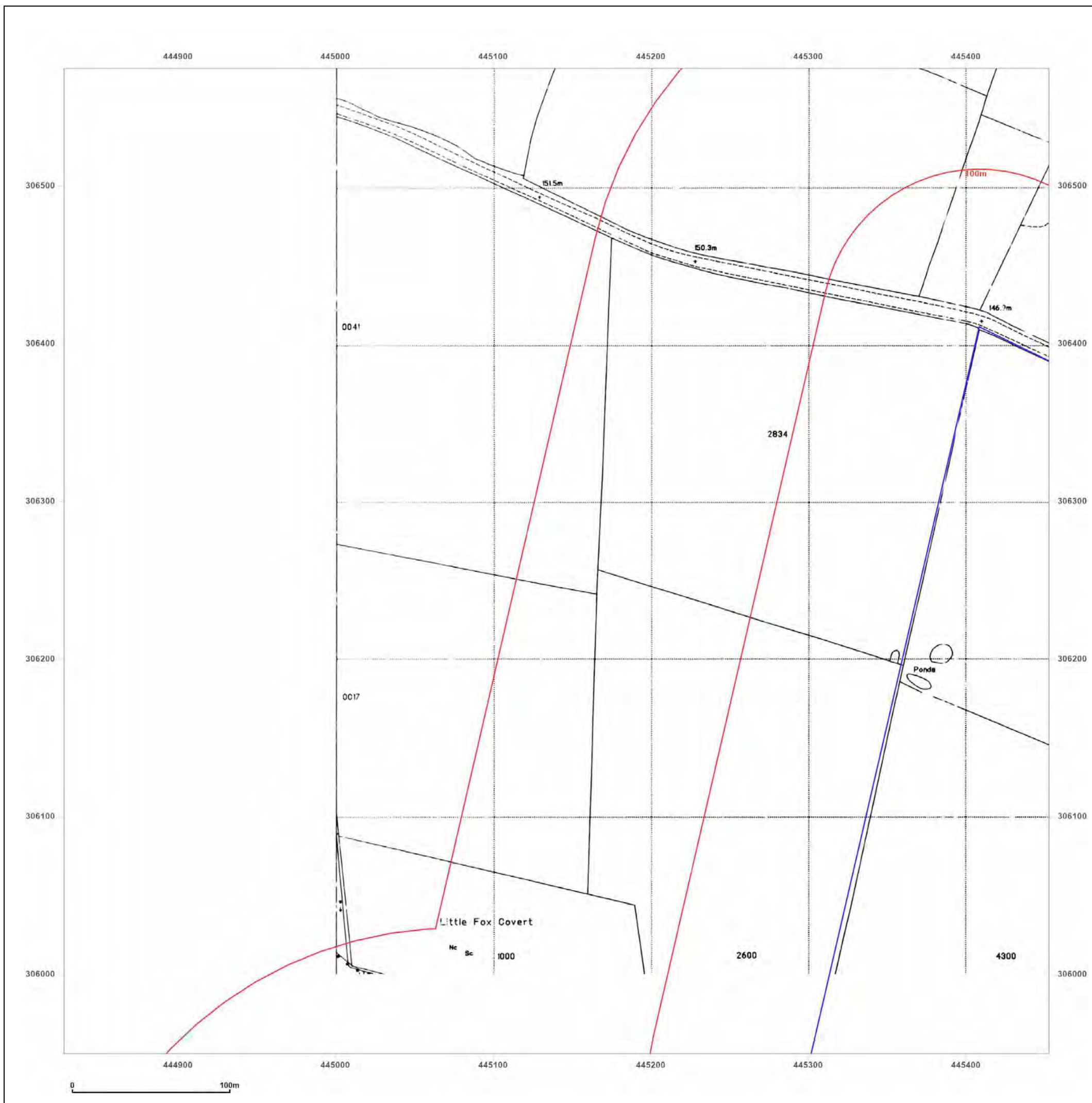


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_1_2
Grid Ref: 445140, 306262

Map Name: National Grid

Map date: 1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1995
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

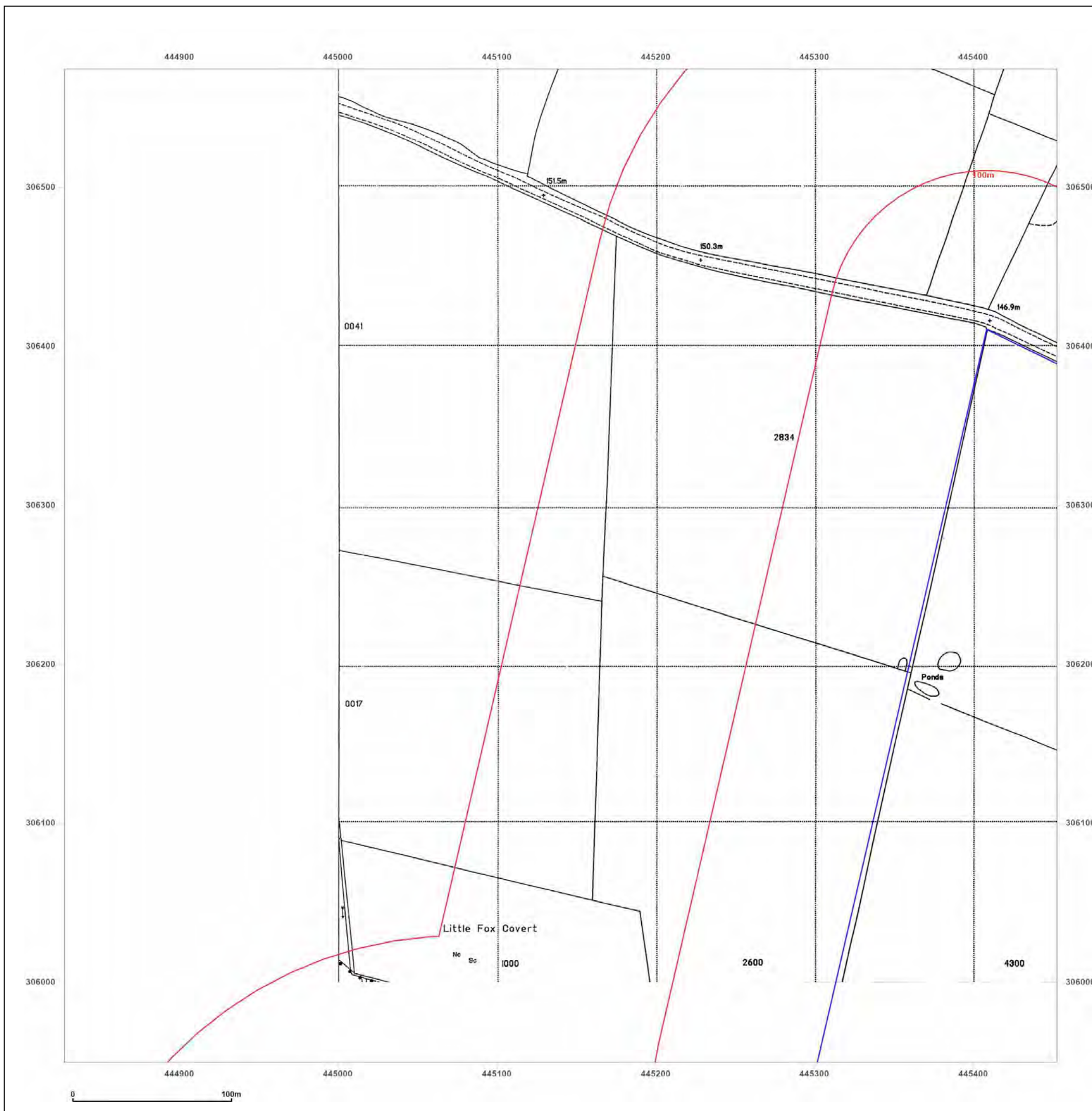


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: County Series

Map date: 1886

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

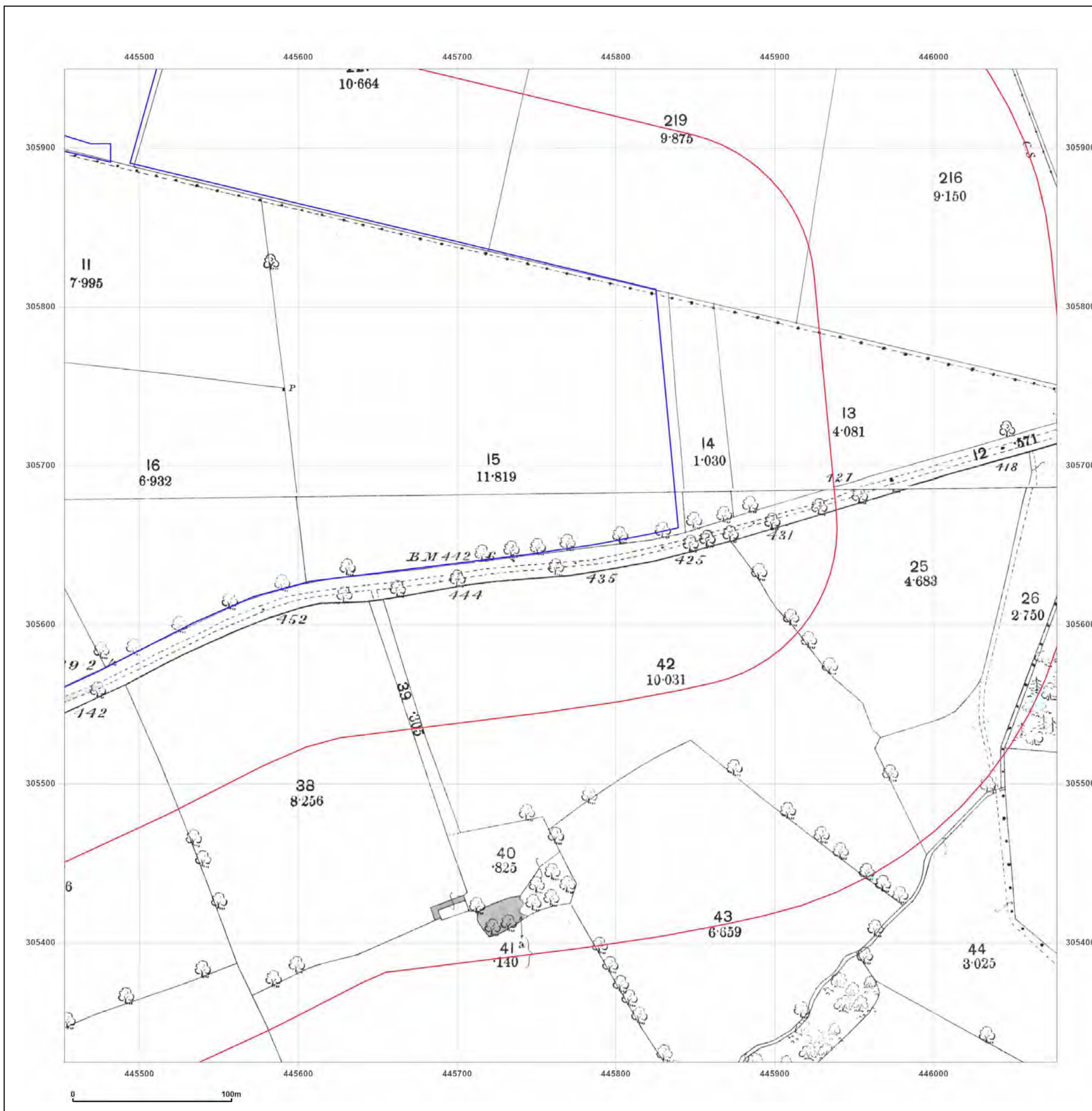


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: County Series

Map date: 1903

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

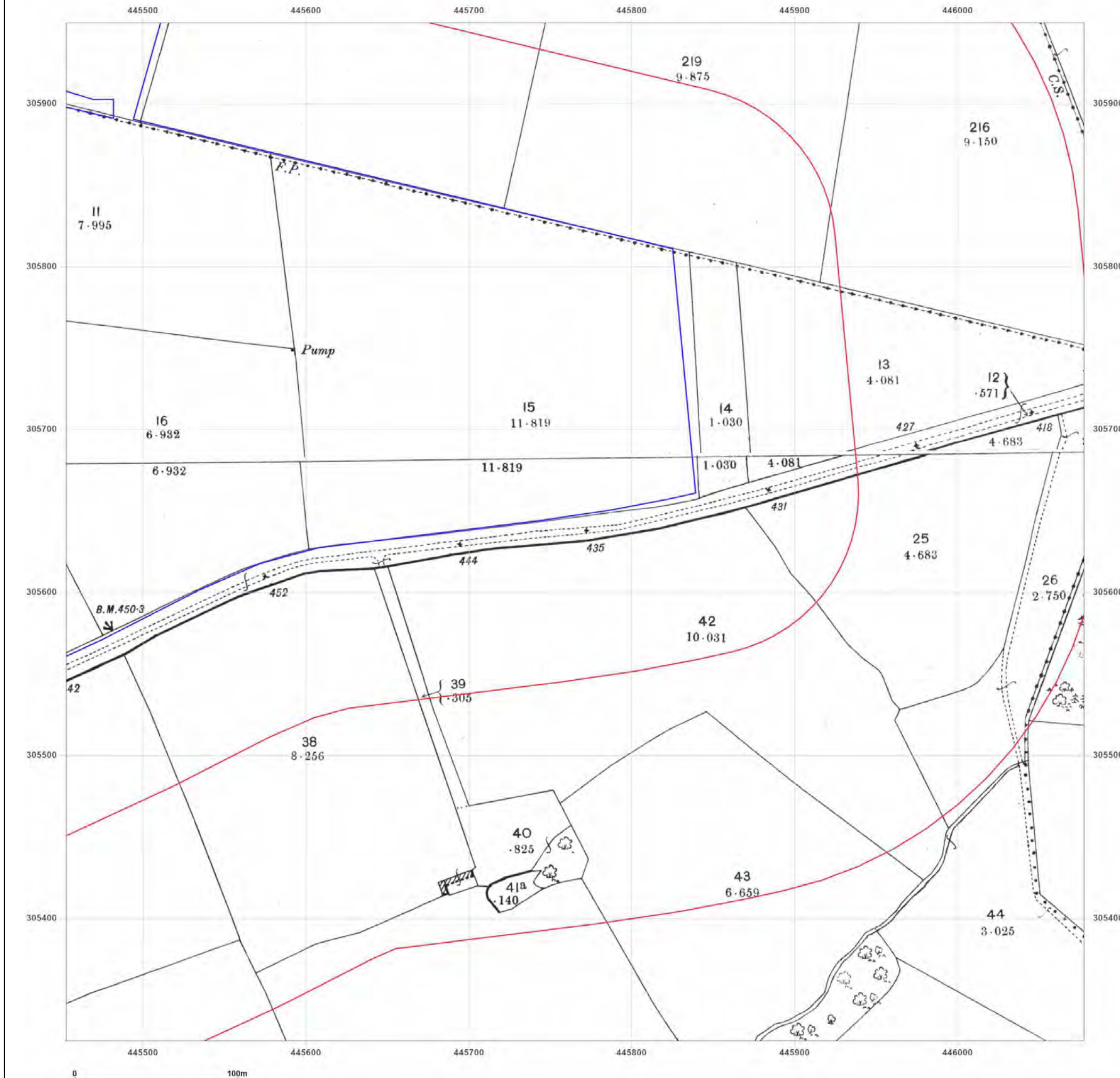


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: County Series

Map date: 1915

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1915
 Revised 1915
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1915
 Revised 1915
 Edition N/A
 Copyright N/A
 Levelled N/A

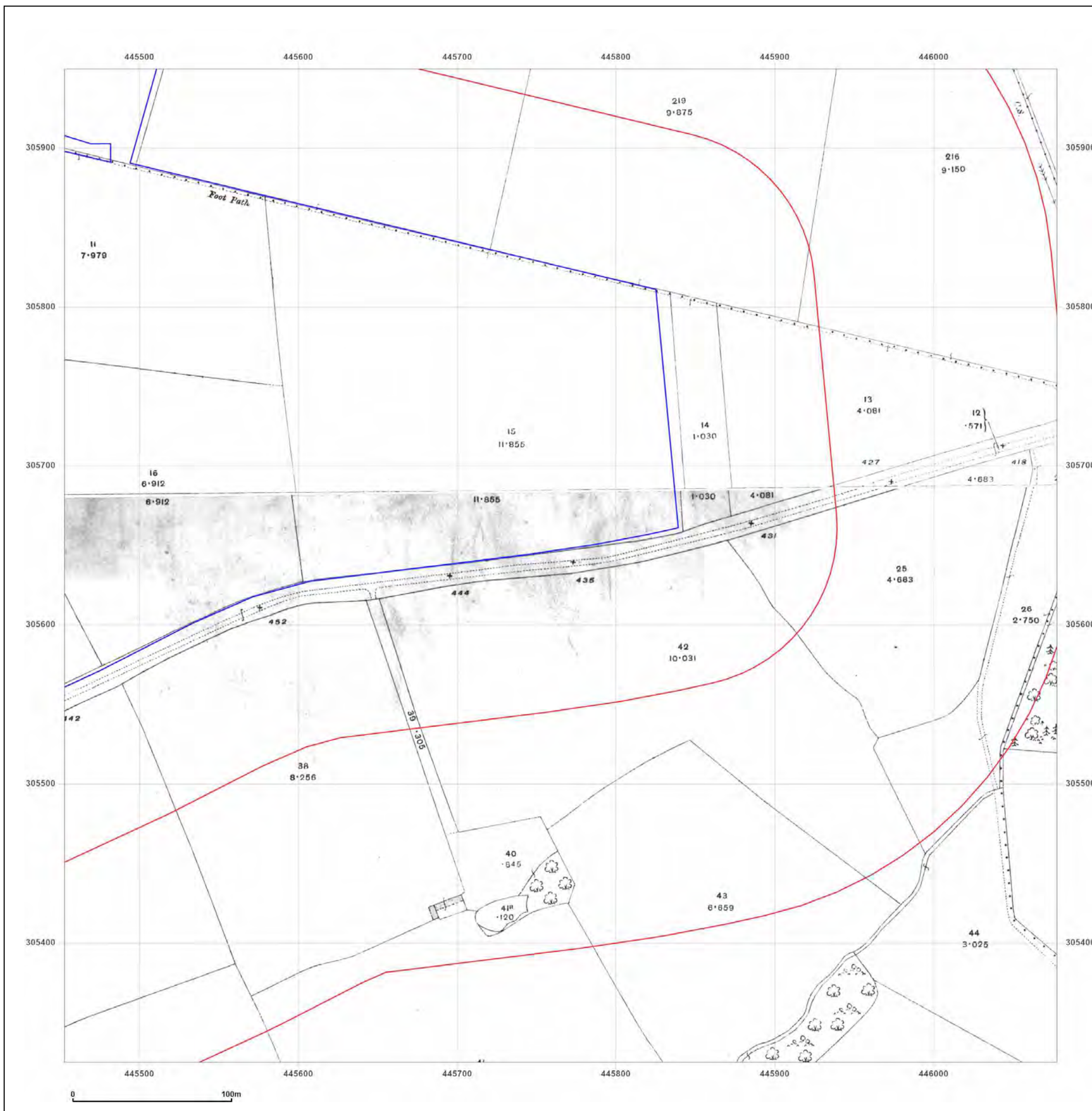


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: County Series

Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

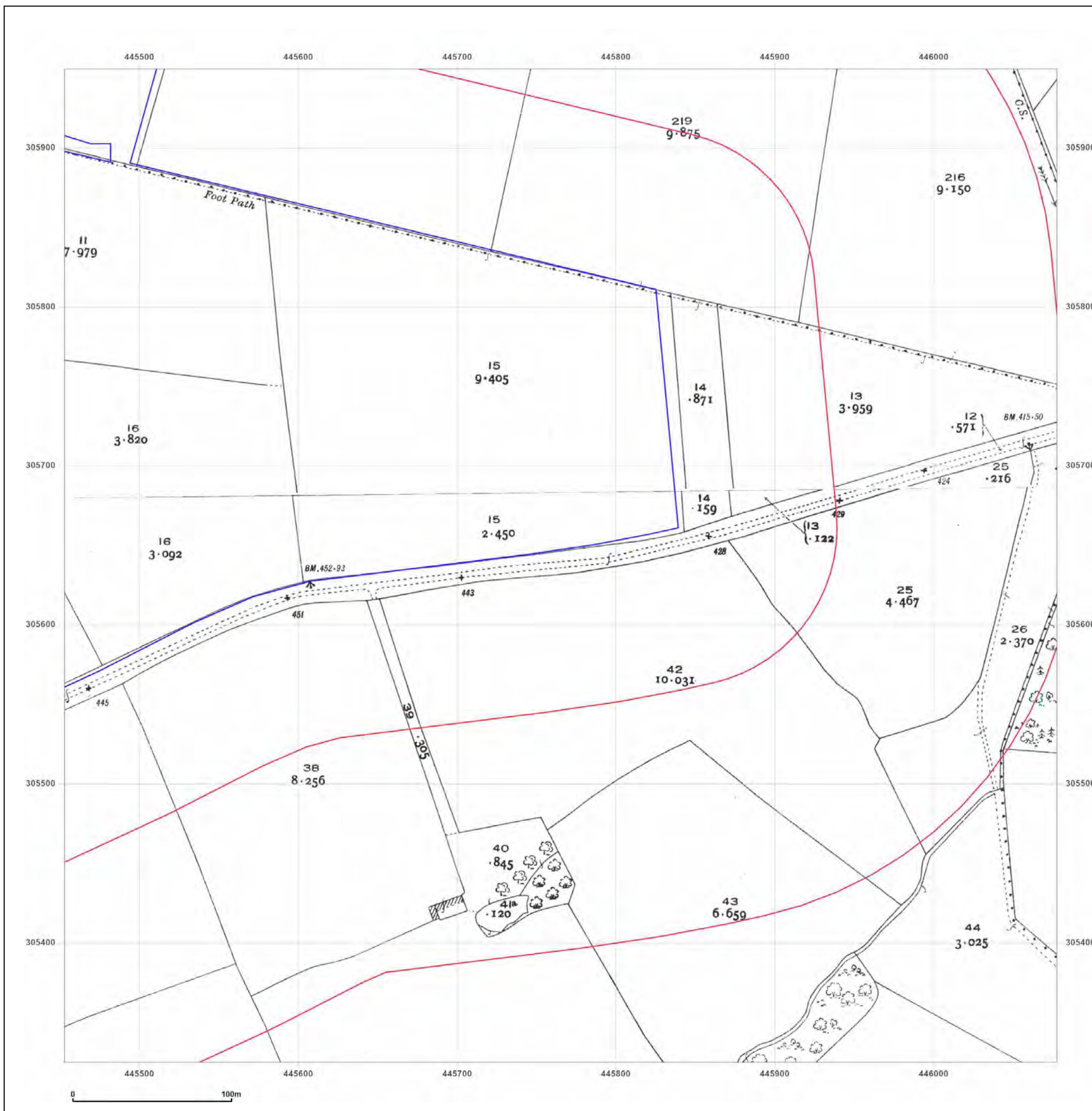


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: National Grid

Map date: 1959

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

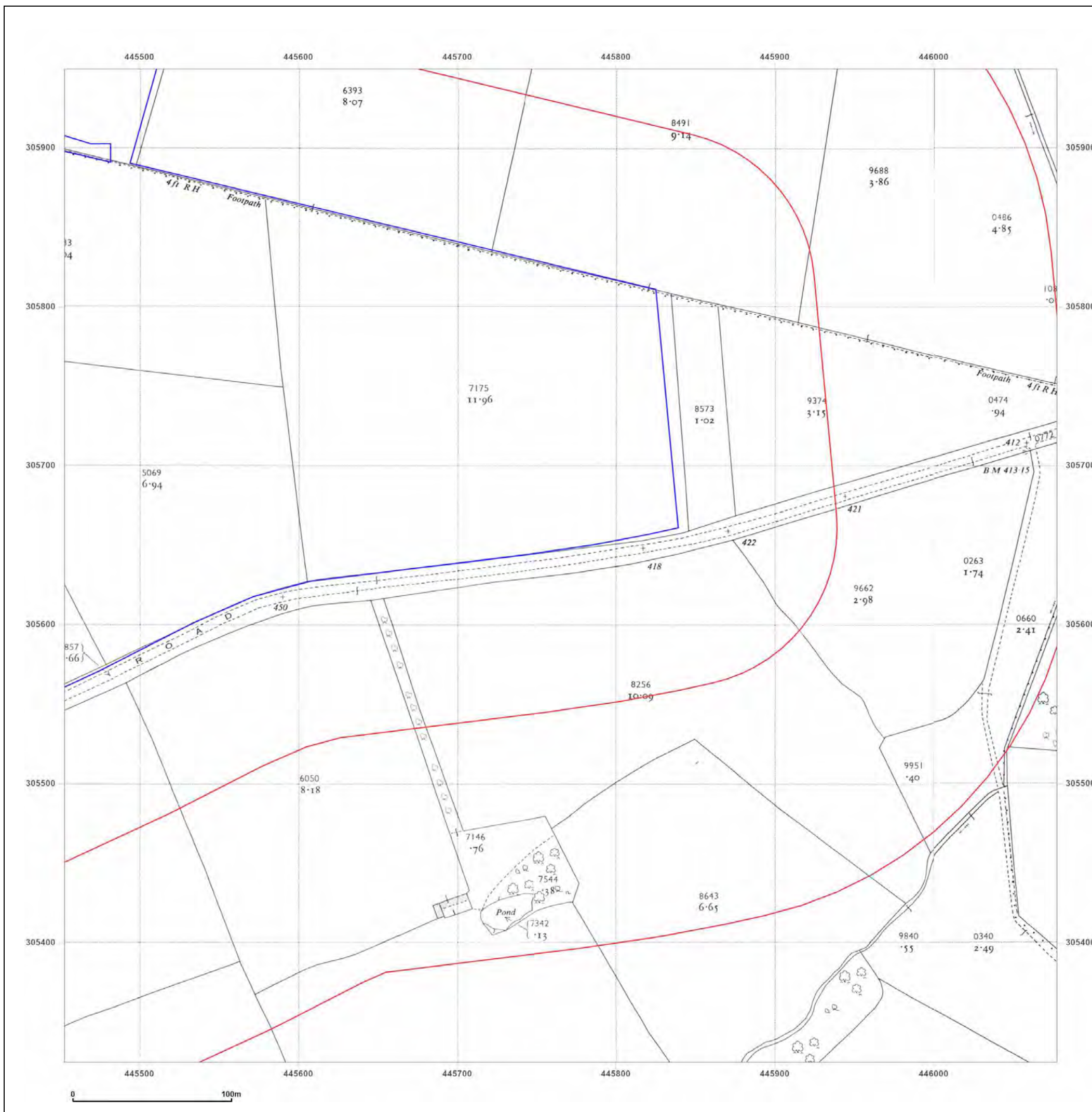


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

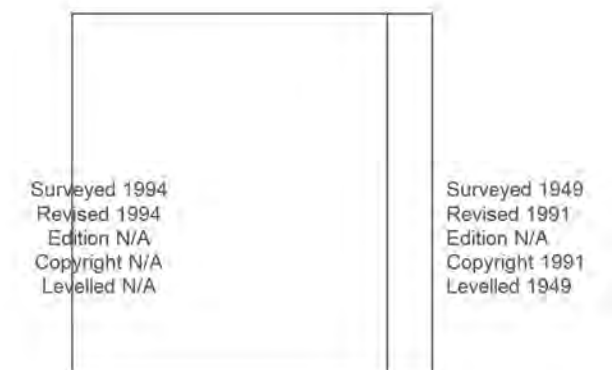
Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_1
Grid Ref: 445765, 305637

Map Name: National Grid

Map date: 1991-1994

Scale: 1:2,500

Printed at: 1:2,500

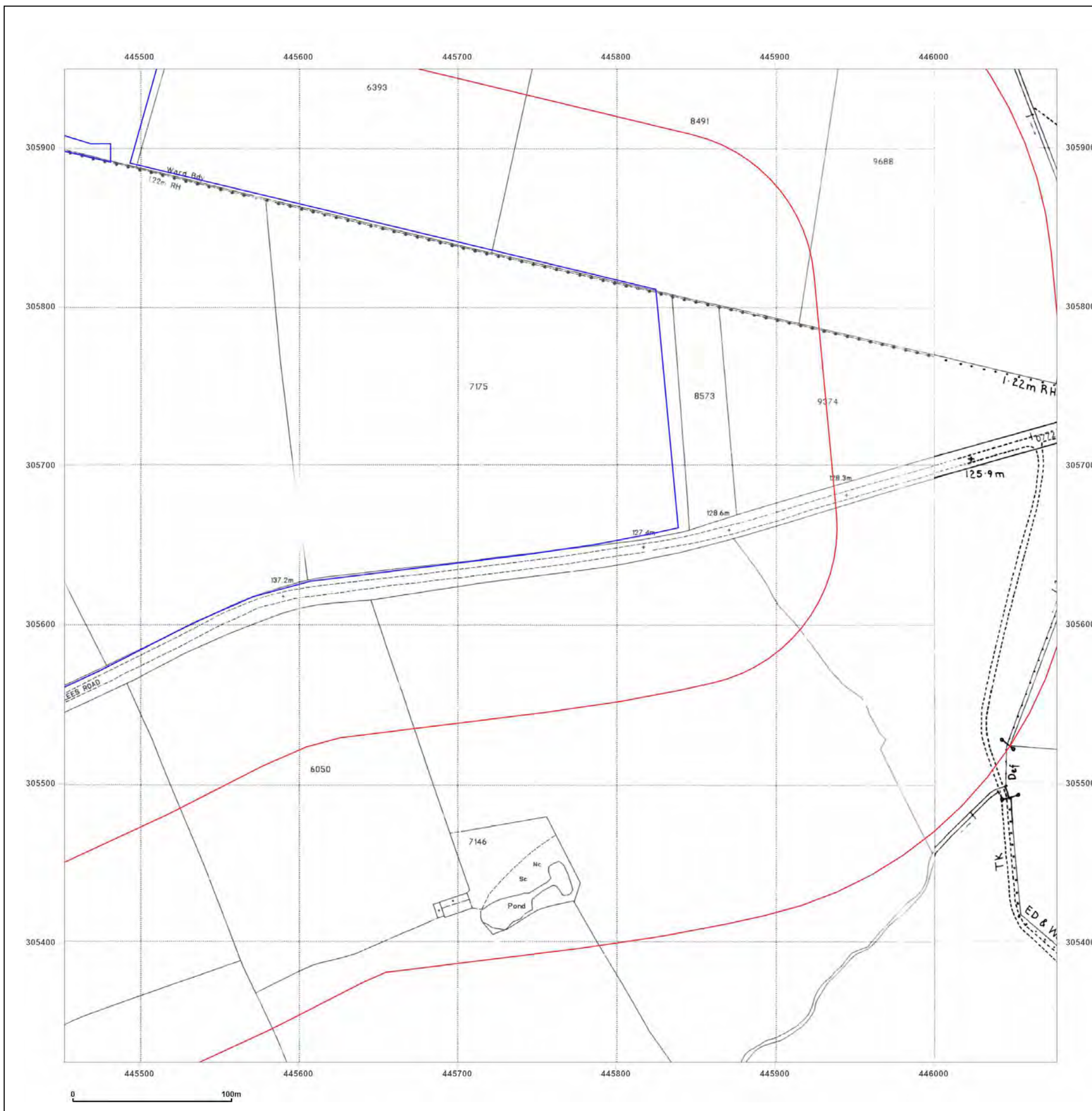


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: County Series

Map date: 1886

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

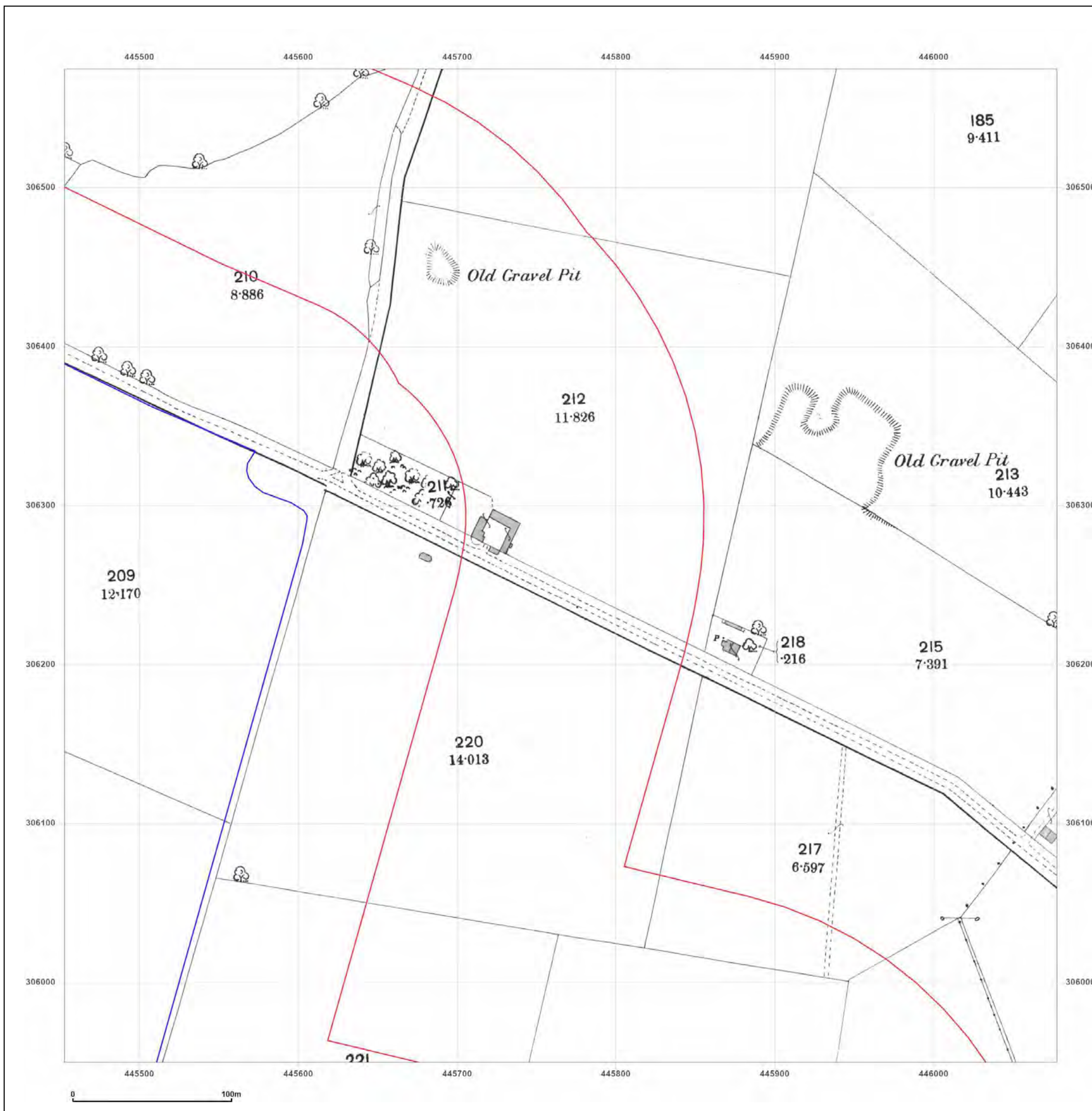


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: County Series

Map date: 1903

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1903
 Revised 1903
 Edition N/A
 Copyright N/A
 Levelled N/A

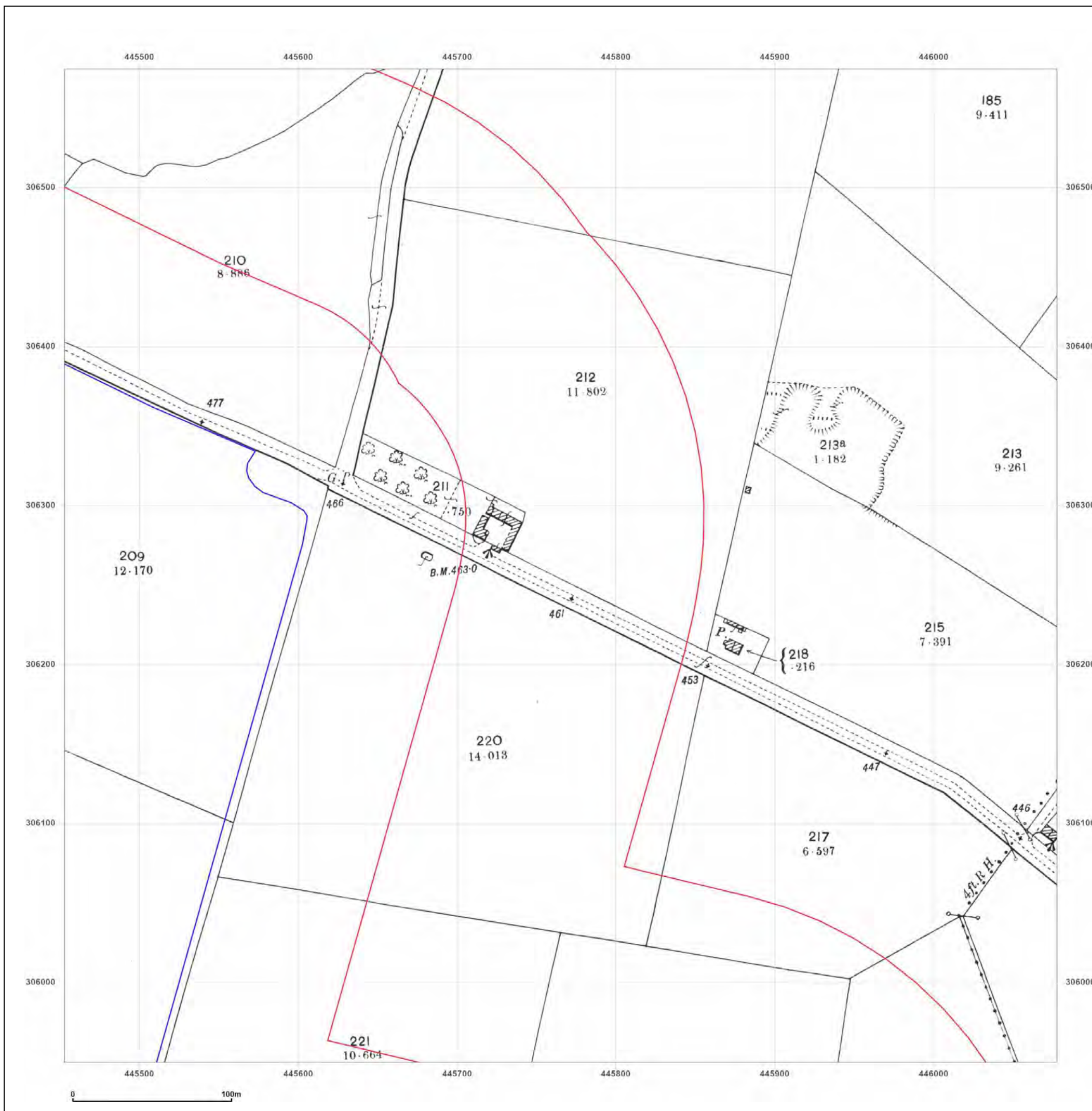


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

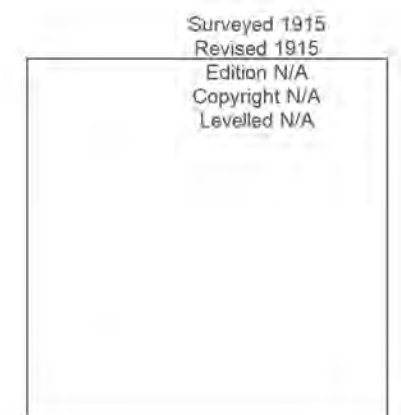
Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: County Series

Map date: 1915

Scale: 1:2,500

Printed at: 1:2,500

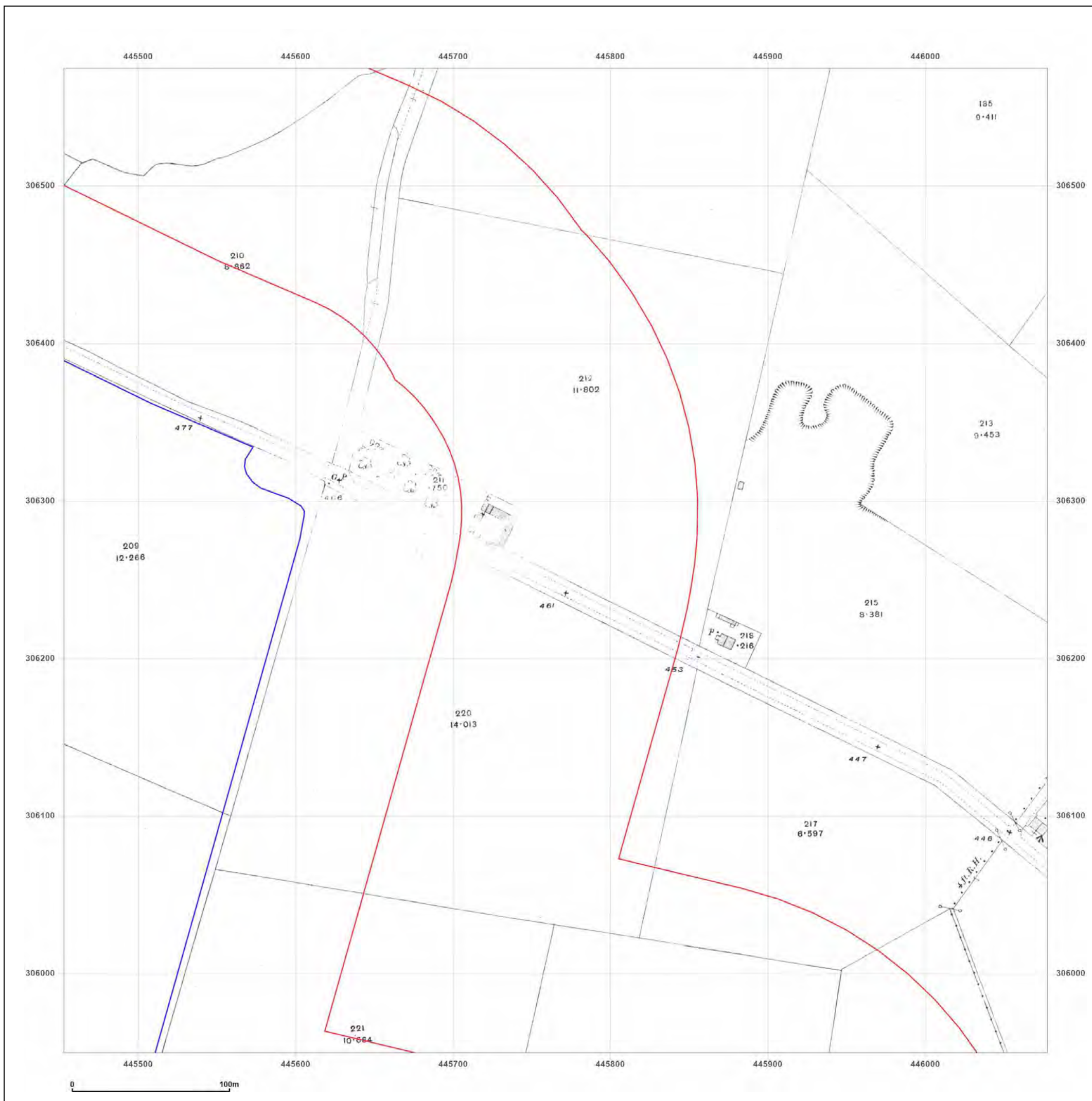


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: County Series

Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1930
 Revised 1930
 Edition N/A
 Copyright N/A
 Levelled N/A

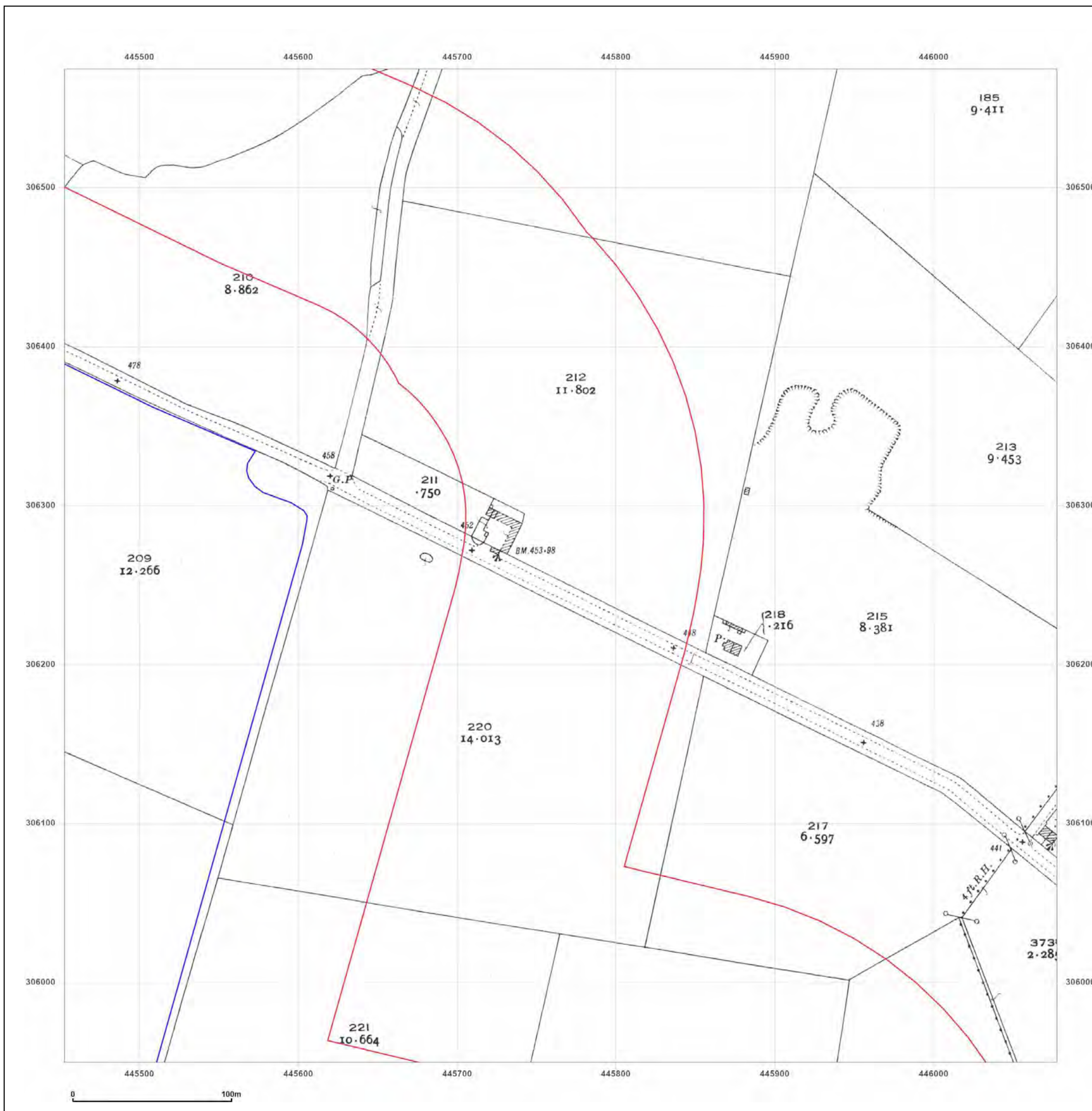


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: National Grid

Map date: 1959

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

Surveyed 1958
 Revised 1958
 Edition N/A
 Copyright 1959
 Levelled 1949

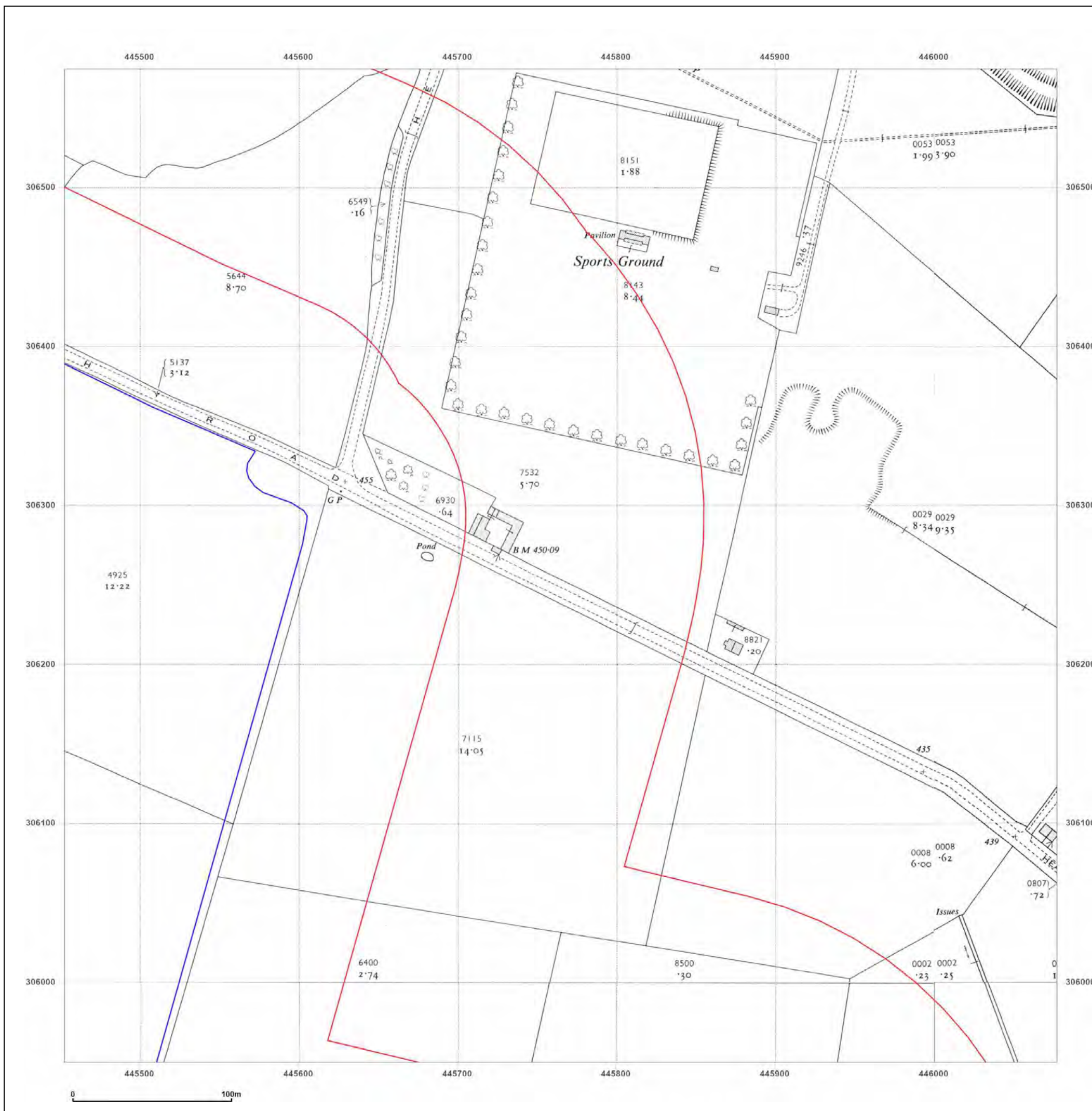


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: National Grid

Map date: 1984-1989

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1963
 Revised 1984
 Edition N/A
 Copyright 1984
 Levelled 1963

Surveyed 1963
 Revised 1989
 Edition N/A
 Copyright 1989
 Levelled 1963

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1984
 Levelled N/A

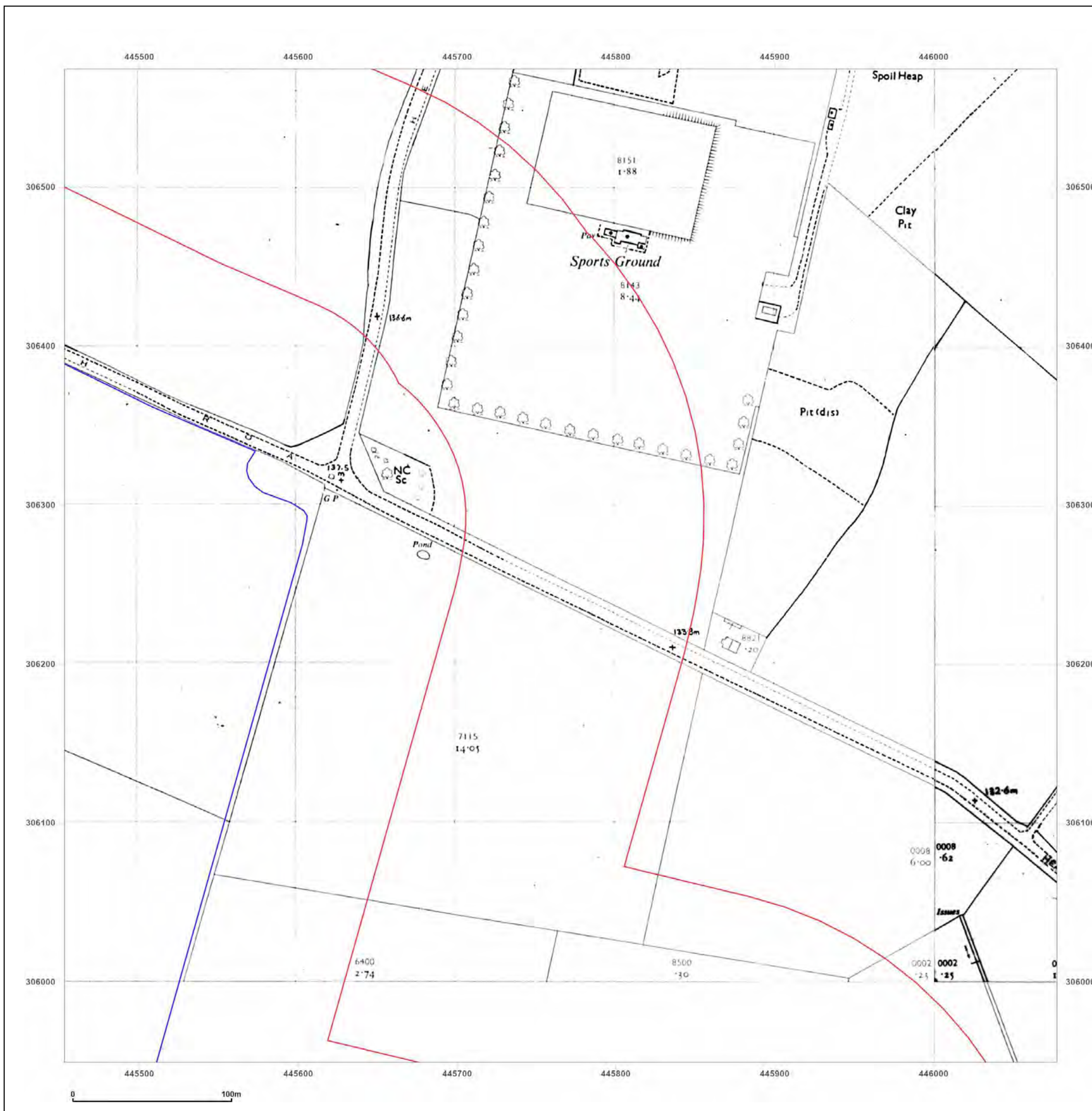


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: National Grid

Map date: 1991-1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1949
 Revised 1991
 Edition N/A
 Copyright 1991
 Levelled 1949

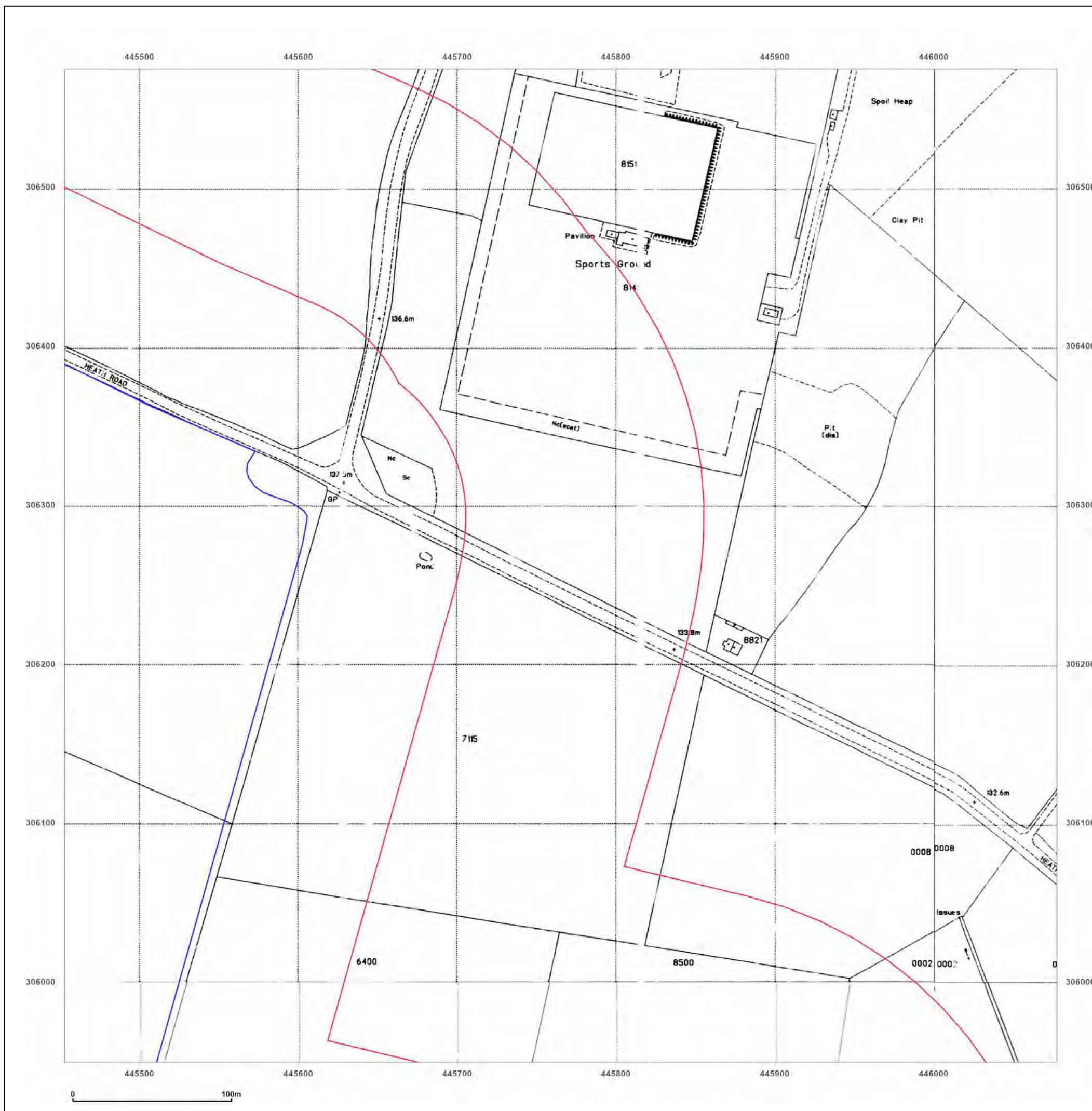


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: National Grid

Map date: 1994-1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1995
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1995
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

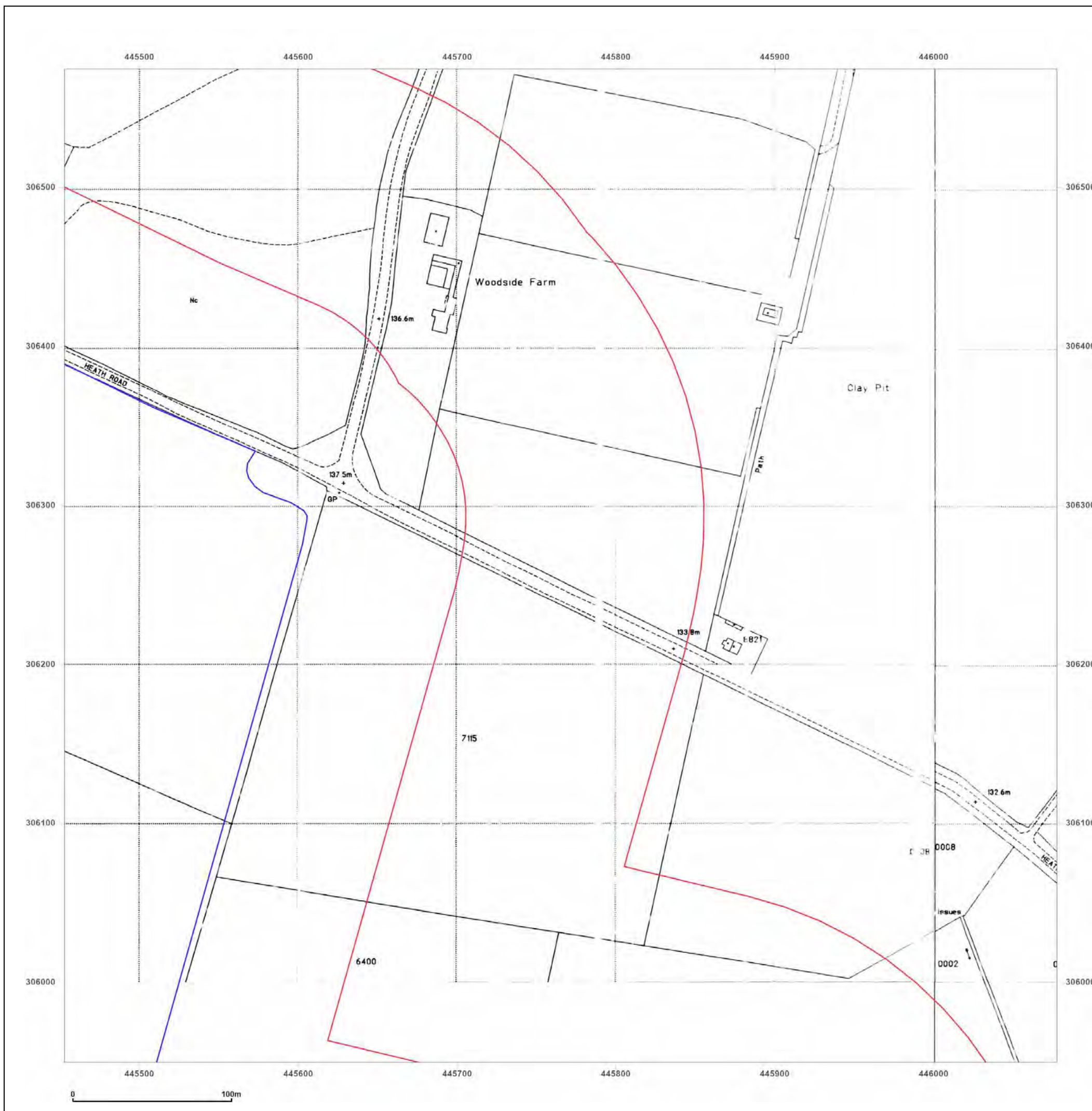


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_LS_2_2
Grid Ref: 445765, 306262

Map Name: National Grid

Map date: 1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1995
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1995
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1995
 Levelled N/A

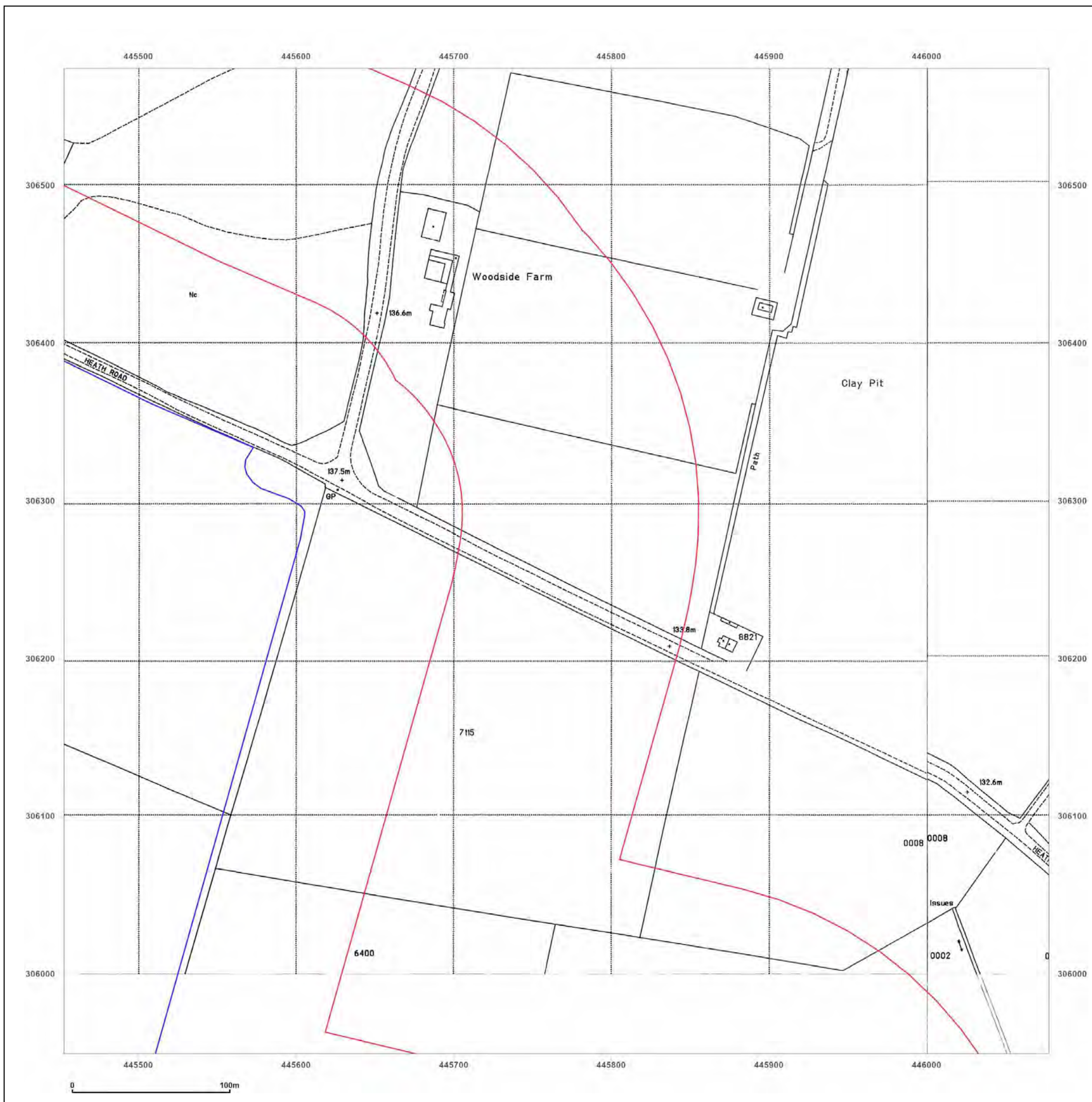


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_1_1
Grid Ref: 445153, 305500

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

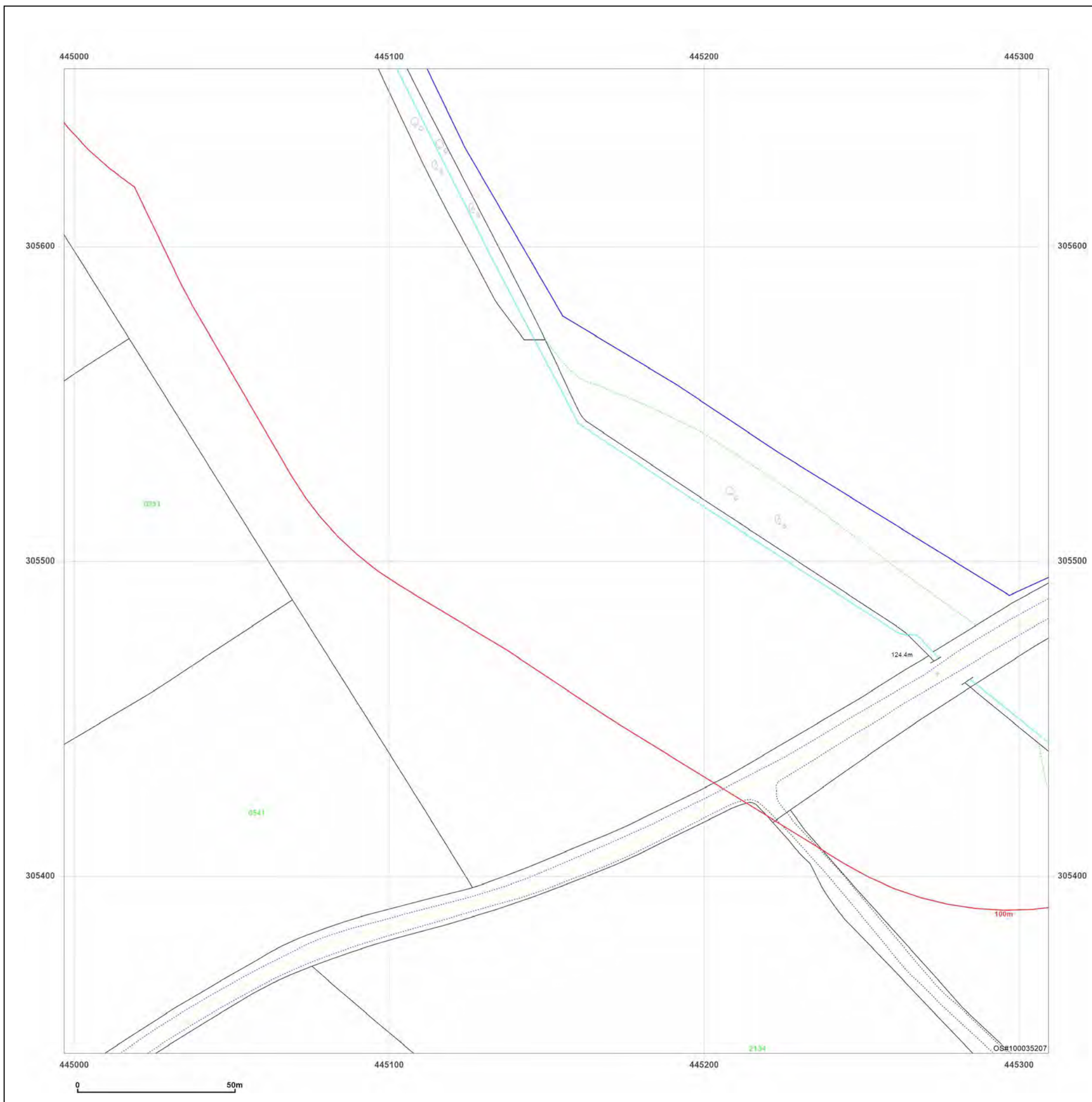


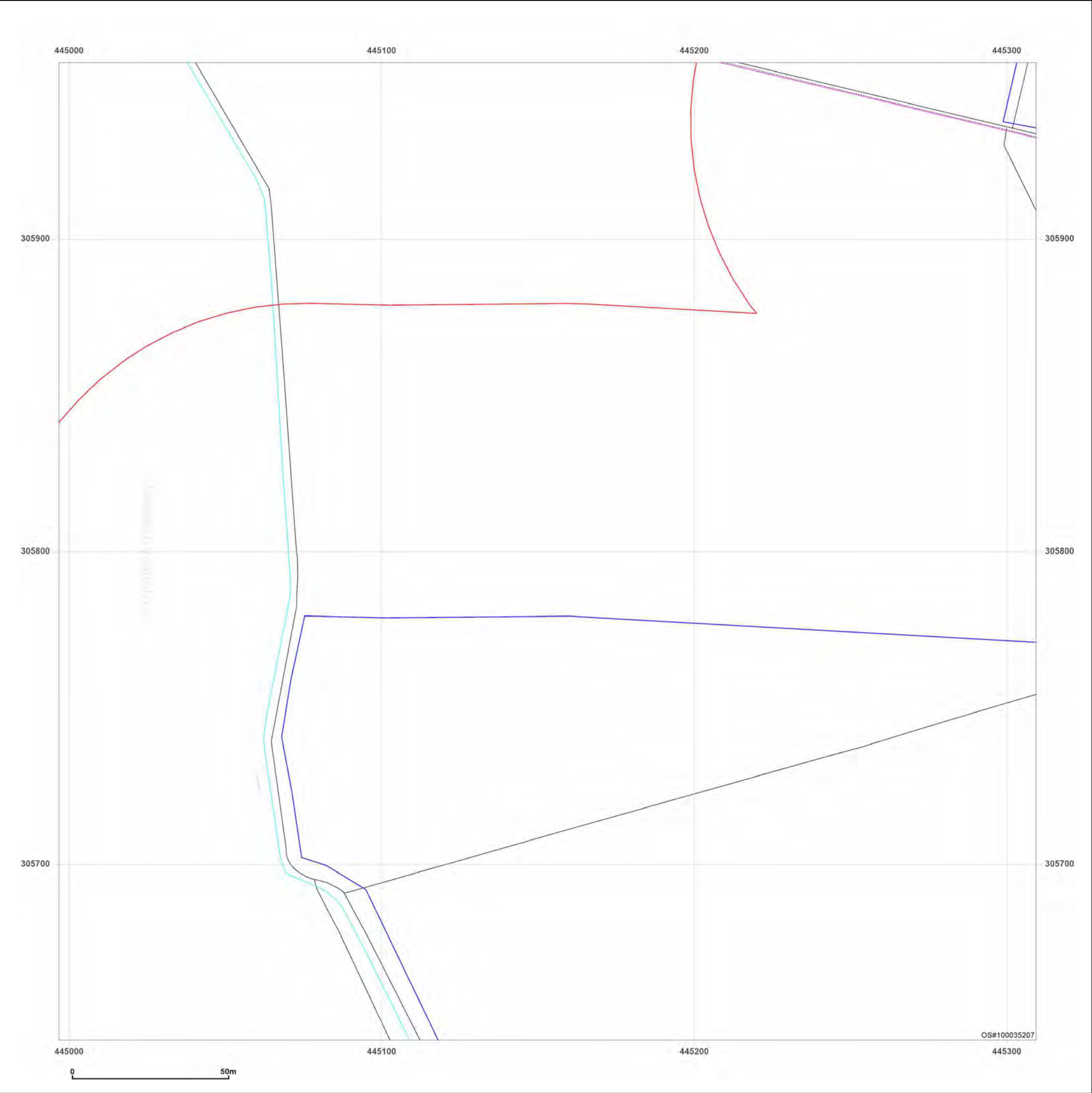
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_1_2
Grid Ref: 445153, 305800

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

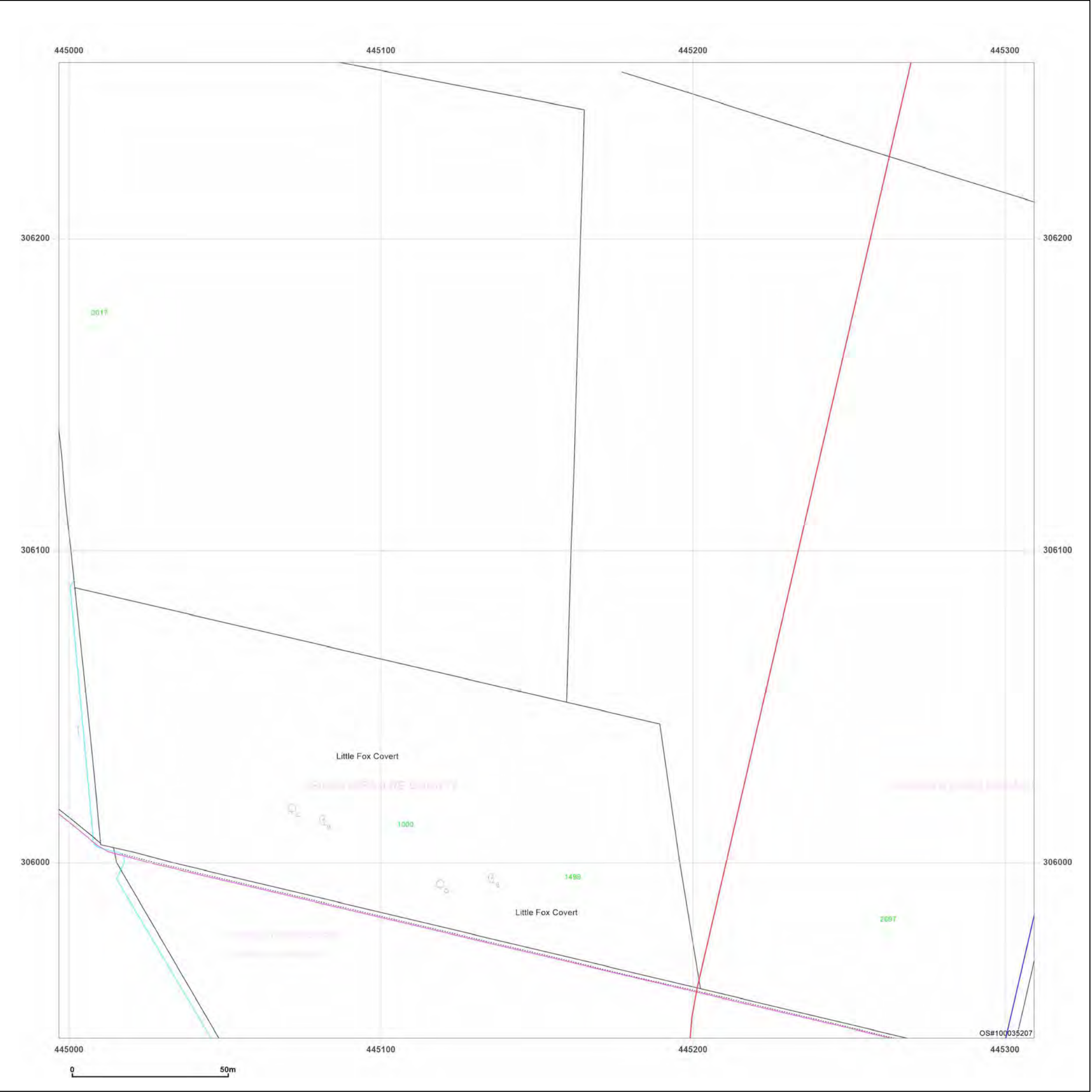


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_1_3
Grid Ref: 445153, 306100

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_2_1
Grid Ref: 445453, 305500

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

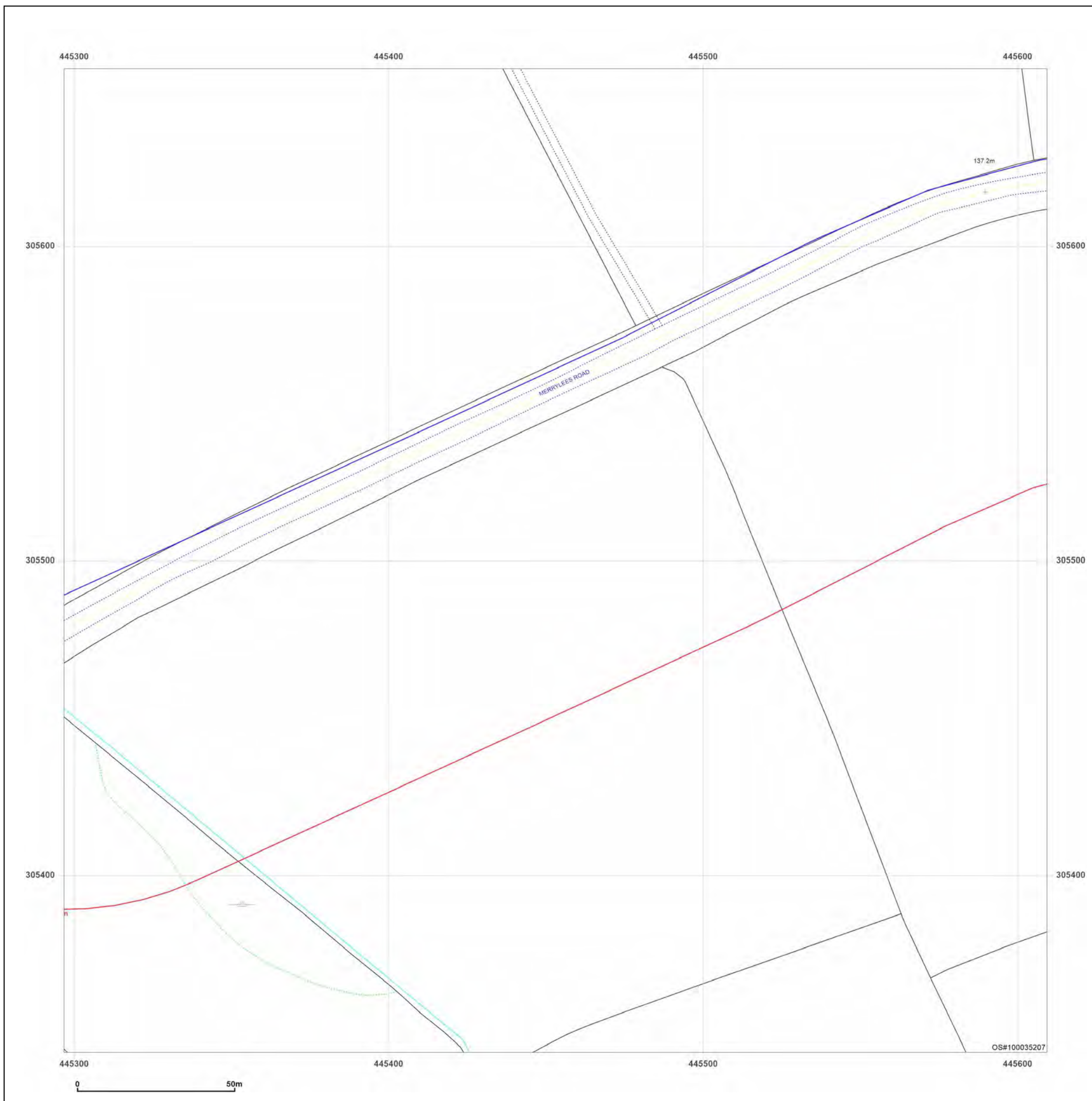


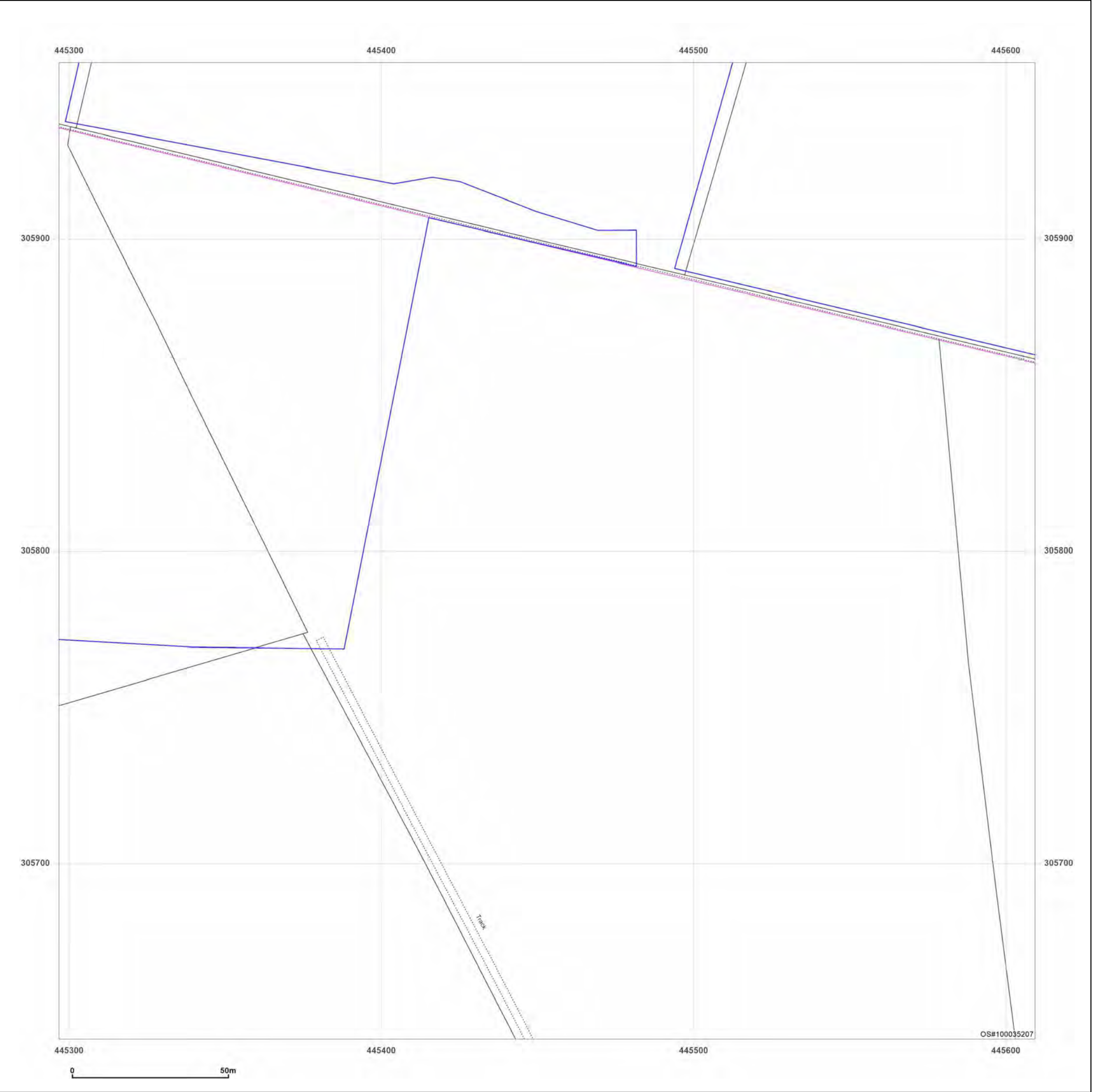
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_2_2
Grid Ref: 445453, 305800

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_2_3
Grid Ref: 445453, 306100

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

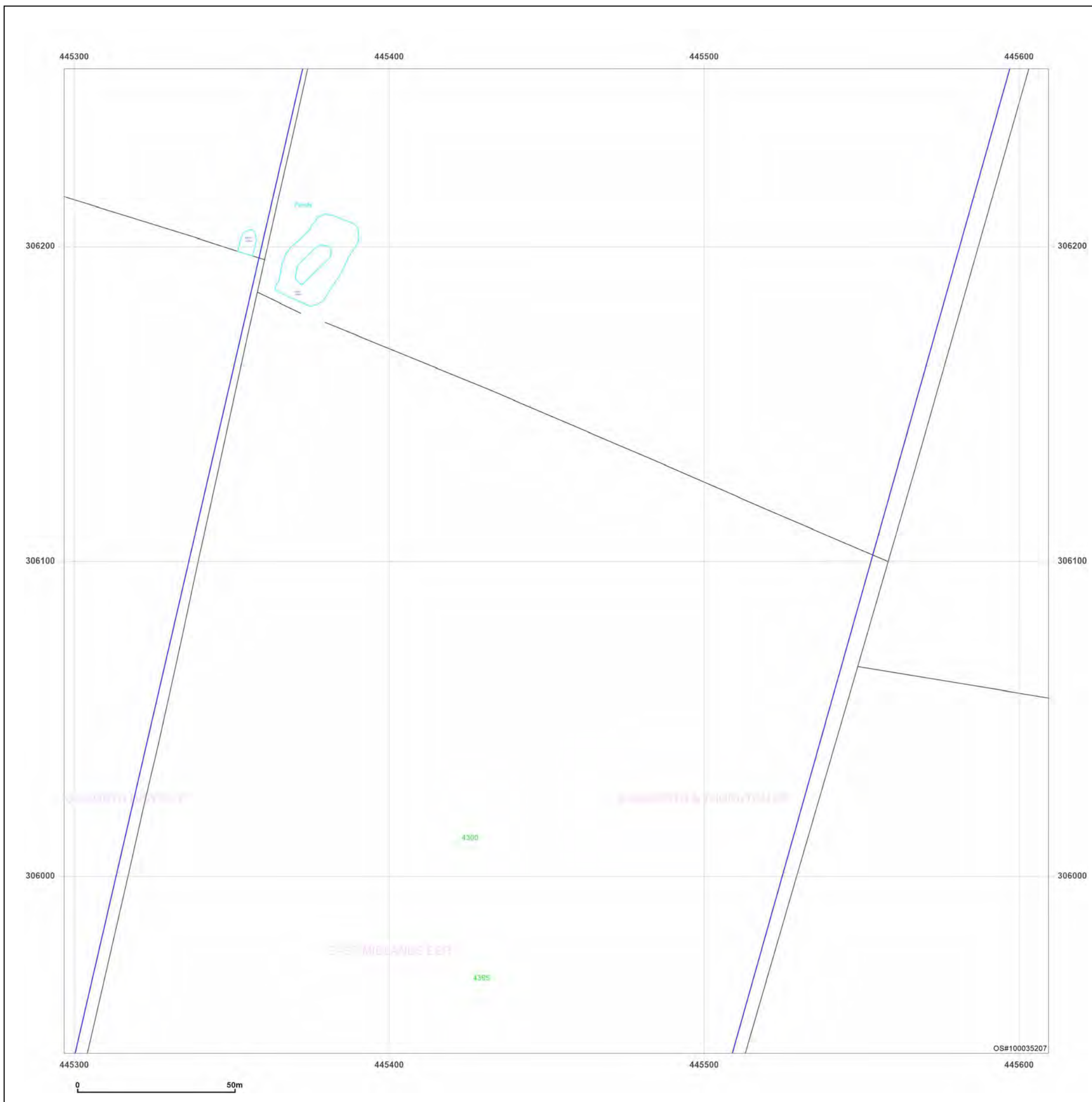


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_2_4
Grid Ref: 445453, 306400

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

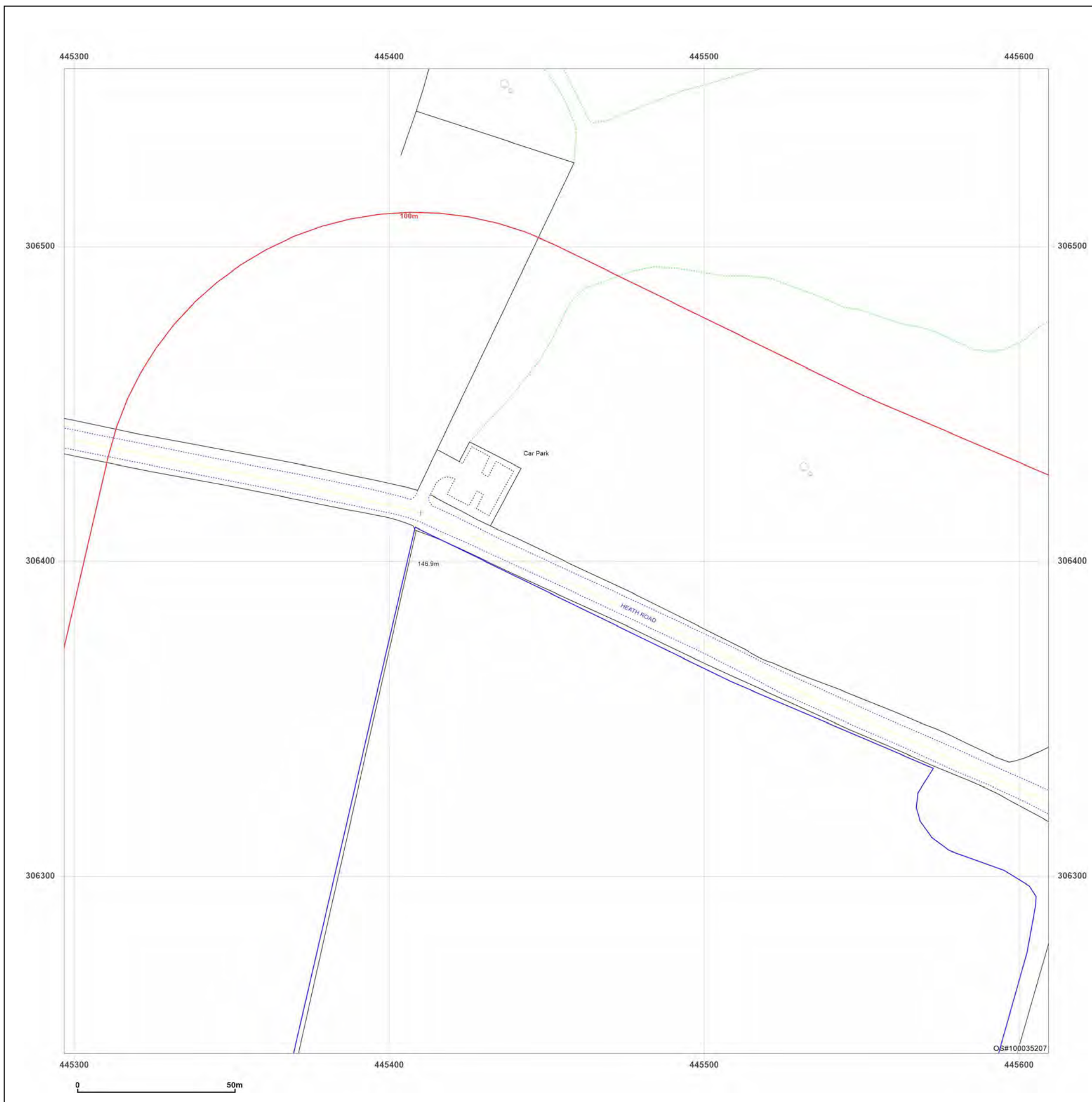


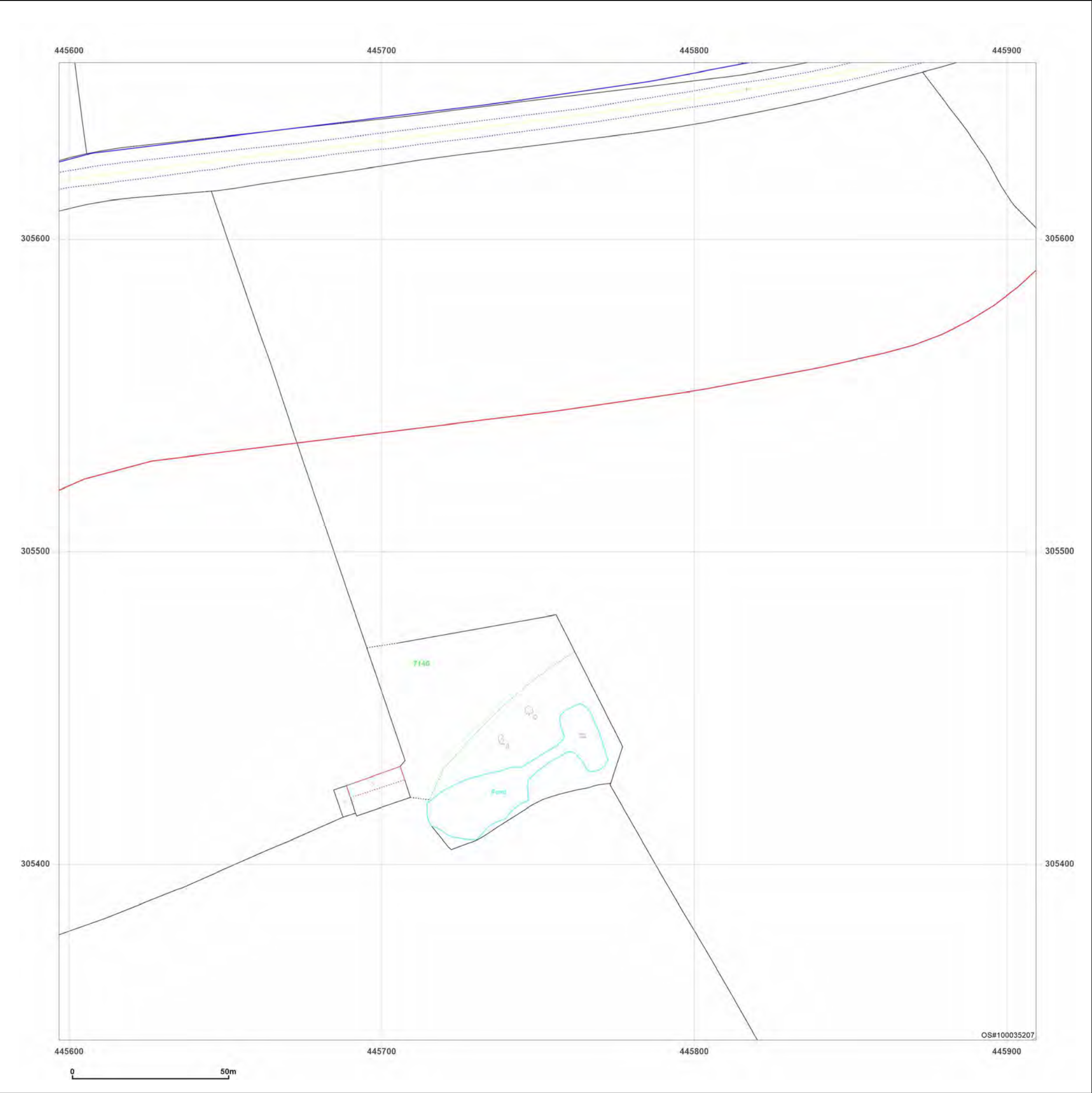
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_3_1
Grid Ref: 445753, 305500

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250

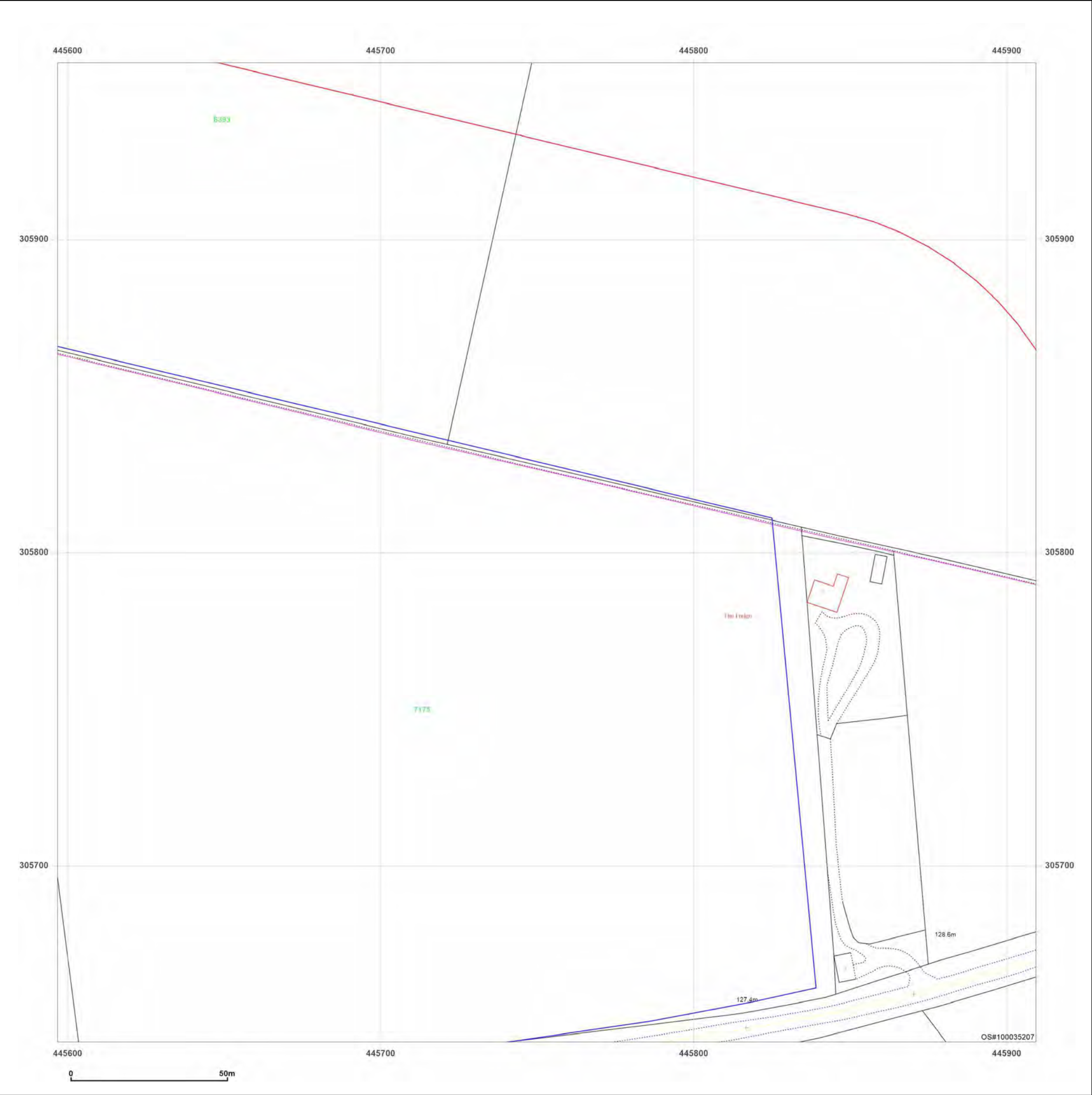


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_3_2
Grid Ref: 445753, 305800

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

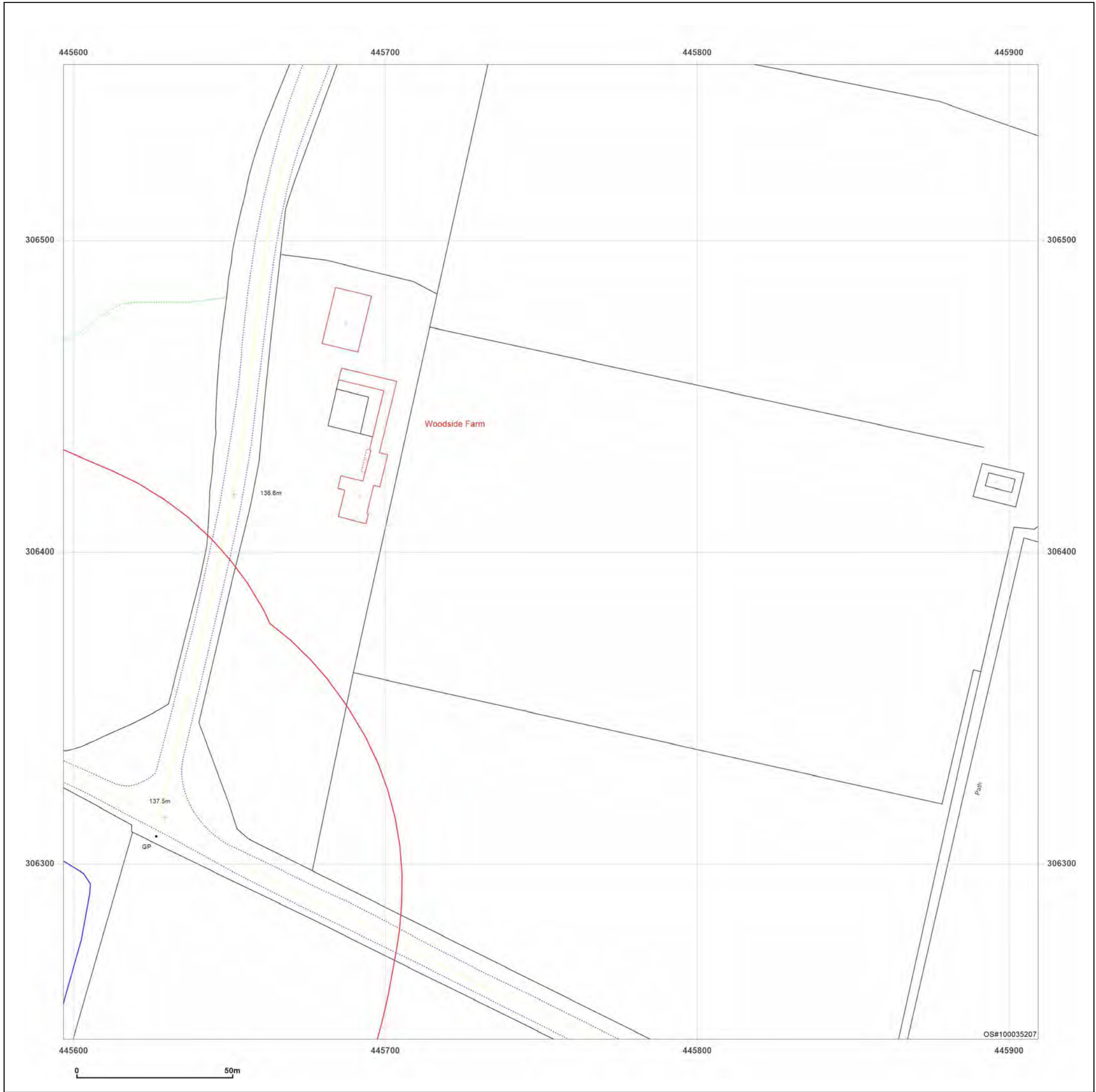


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU_Landline_3_4
Grid Ref: 445753, 306400

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU
Grid Ref: 445453, 305950

Map Name: County Series

Map date: 1885

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1885 Revised 1885 Edition N/A Copyright N/A Levelled N/A	Surveyed 1885 Revised 1885 Edition N/A Copyright N/A Levelled N/A
--	--

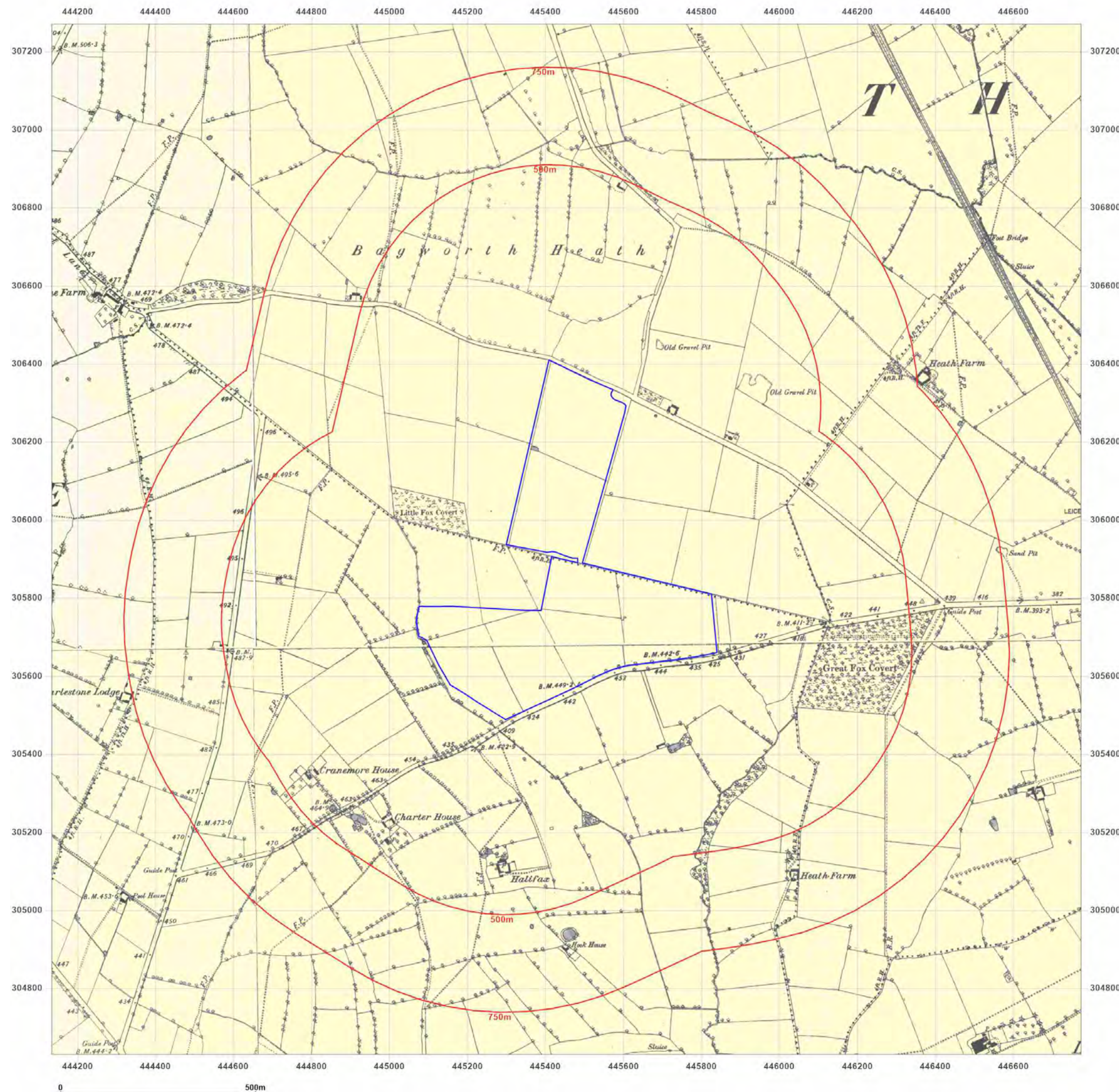


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU
Grid Ref: 445453, 305950

Map Name: County Series

Map date: 1901-1904

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1885 Revised 1904 Edition N/A Copyright N/A Levelled N/A	Surveyed 1885 Revised 1901 Edition N/A Copyright N/A Levelled N/A
--	--

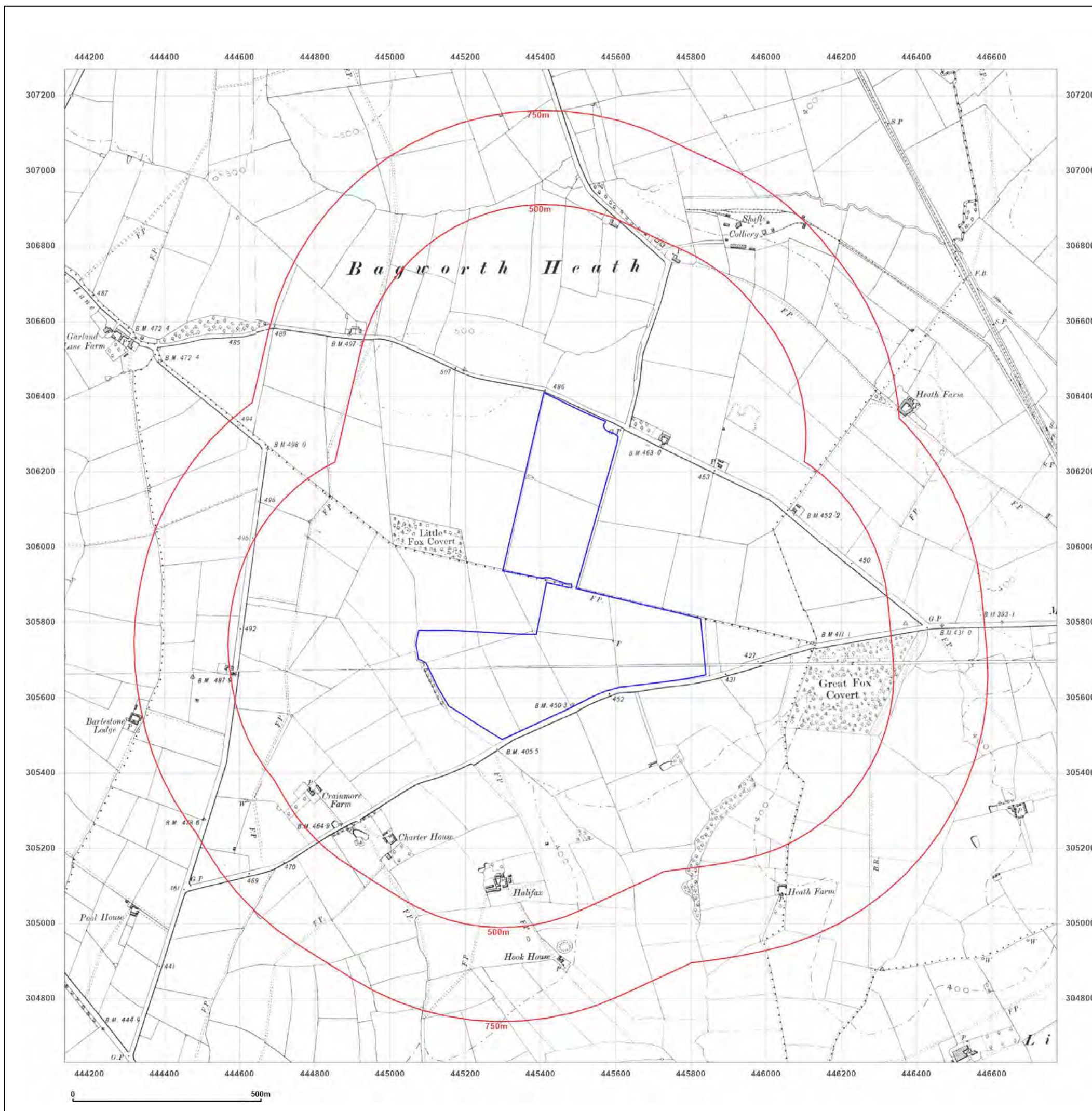


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Merrylees Road Solar Farm

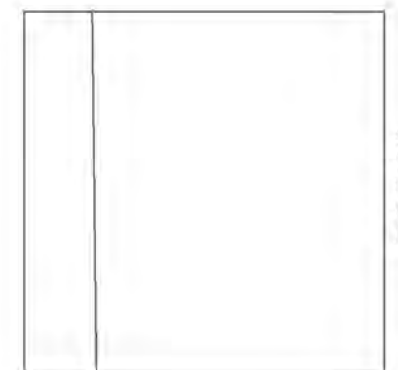
Client Ref: 255315 / 10823
Report Ref: GS-596-XDR-SLG-YFU
Grid Ref: 445453, 305950

Map Name: County Series

Map date: 1919

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1884
Revised 1919
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 28 February 2025

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

