Stonestreet Green Solar

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Environmental Impact Assessment Scoping Report

Appendix 2: Phase 1 Geo-Environmental and Geotechnical Desk Study Report

Planning Inspectorate Reference EN010135

April 2022

BARTON WILLMORE now Stantec

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ENERGY AND CLIMATE CHANGE
ENVIRONMENT AND SUSTAINABILITY
INFRASTRUCTURE AND UTILITIES
LAND AND PROPERTY
MINING AND MINERAL PROCESSING
MINERAL ESTATES
WASTE RESOURCE MANAGEMENT

EVOLUTION POWER LIMITED

STONESTREET GREEN SOLAR

PHASE I GEOENVIRONMENTAL AND GEOTECHNICAL DESK STUDY

APRIL 2022

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EVOLUTION POWER LIMITED

STONESTREET GREEN SOLAR

PHASE I GEOENVIRONMENTAL AND GEOTECHNICAL DESK STUDY

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1	14/01/2022	Draft issued for client comment.
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6	13/04/2022	Final issue following client's comments

CONTENTS

DRAWINGS

Drawing No	Title	Scale
GM12014-001	Site Boundaries Plan	1:10,000

APPENDICES

EXECUTIVE SUMMARY

Client	Evolution Power Limited. The Applicant is EPL 001 Ltd.
Site	Land at Stonestreet Green
Current Land Use	The site, which is based on the baseline survey boundary shown on Figure 1, is approximately 187 hectares in area. However, after the site walkover was undertaken, the site boundary was subsequently extended by approximately 2 hectares to the north-east of the site to incorporate a cable route corridor area. This additional cable route corridor area has not been included within this desk study report. The site largely comprises agricultural land and pastureland. A substation lies within the north-eastern part of the site and there is a small area located within the south-west of the site which is currently being used for temporary farm waste storage.
Past Site Use	Historical land use includes agricultural fields and pastureland.
Proposals	The site is to be developed to accommodate ground-mounted solar photovoltaic arrays and on-site energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Substation at Sellindge ('the Proposed Development'). The Proposed Development will have the capability to export and import up to 99.9 Megawatts ('MW') of electricity at any time.
Geology	The Groundsure report does not identify any Made Ground onsite. However, during the walkover survey, Made Ground of unknown thickness was identified across the site. Borehole records indicate that Made Ground could extend to 8m depth within the north-eastern part of the site. Superficial Deposits (recorded as Alluvial Deposits) are shown to be recorded within the north-eastern and northern parts of the site. There are no recorded Superficial Deposits for the remaining site areas. The bedrock stratum underlying the site is shown to comprise mudstone of the Weald Clay Formation, interbedded sandstone of the Hythe Formation and sandy mudstone of the Atherfield Clay Formation.
Hydrogeology & Hydrology	The Superficial Deposits are classified as a 'Secondary A' aquifer. Most of the bedrock beneath the site is classified as an 'Unproductive' aquifer. Small areas within the centre, east and north-east of the site have been classed as a 'Principal' aquifer. The closest surface water body to the site is the East Stour River which flows in an east to west direction within, and adjacent to, the northern part of the site.
Mining & Quarrying	The site does not lie within a coal mining area. There are records of potential non-coal mining activities onsite, these pertain to small, localised underground mining of iron ore and sand.
Ecology and Heritage	Hatch Park, located 1.89km north of the site boundary, is designated as a Site of Specific Scientific Interest ('SSSI'). It is the only SSSI within a 2km radius of the site boundary. There are also designated Ancient Woodland and Local Nature Reserve sites within 2km of the site boundary.
Geoenvironmental Risk	Preliminary assessment has identified potentially complete pollutant linkages comprising (but not limited to) the following list of organic and inorganic contaminants: Metals, sulphates, cyanides, petroleum hydrocarbons, chlorinated hydrocarbons, phenols, polychlorinated biphenyls ('PCBs'), polycyclic aromatic hydrocarbons ('PAHs'), pesticides, herbicides and asbestos. The desk study concludes that there is a low to moderate risk classification for potential contamination at the site.

Asbestos	An asbestos survey has not been carried out. Encountering asbestos containing materials at the site should not be discounted until deemed otherwise.
Japanese Knotweed	Japanese knotweed was not observed during the walkover survey.
Geotechnical Constraints	Made Ground is normally unsuitable as a founding horizon and therefore ground improvement techniques may be required. Slag material was recorded within the BGS borehole records. Depending on foundation requirements, investigation into the shrink/swell potential and extent of material is recommended. There are small areas of land located within the centre and south-east of the site which display a medium hazard rating for landslides.
Other Risks	Based on the aircraft crashes identified onsite and within the vicinity of the site, Zetica's UXO Pre-Desk Assessment Report has recommended that a detailed UXO desk study and risk assessment should be carried out to understand the UXO hazard level on the site.
Recommendations for Further Works	Where delineation of risks associated with shallow soils are required, a detailed intrusive ground investigation is recommended. The ground investigation would facilitate the collection of data to support a detailed engineering/geotechnical and contaminated land assessment and any proposed remediation design.
Overall Environmental Risk for Site	**Very Low to Low**

1 INTRODUCTION

Instructions

1.1 This report has been prepared in in accordance with the terms and conditions agreed between Evolution Power Limited and Wardell Armstrong LLP (WA) (dated 30th September 2021). WA was commissioned by Evolution Power Limited to undertake a geo-environmental desk study in relation to the redevelopment of the site.

1.2 The 'Standard Terms and Limitations' to this Report are presented in **Appendix A**.

Site Location

1.3 The site is located to the north and west of Aldington, Kent and is predominantly comprised of agricultural land and pastureland. Surrounding land use includes agricultural land in all directions. The High Speed 1 ('HS1')/Channel Tunnel Rail Link is located to the north of the site boundary. The site is located to the north and west of the village of Aldington. Residential dwellings of this village are located predominantly to the south and east of the site. Residential dwellings within the village of Stonestreet Green are located adjacent to the east of the site. The site comprises approximately 187 hectares of land. It is centred at an approximate National Grid Reference of 605976 E 137658 N.

1.4 The site boundary is shown on Drawing no. GM12014-001.

1.5 Topographically, the site is lowest at c. 45 metres ('m') above ordnance datum ('AOD') within the north-east and is highest within the south-east at c.61m AOD.

1.6 An aerial image of the site is illustrated in **Figure 1.** As discussed at paragraph 1.10, it should be noted that a cable route corridor area which covers an additional 2 hectares of land to the north-east of the site boundary shown in Figure 1 has not been incorporated into this Phase 1 Desk Study.

Figure 1: Aerial Image Showing the Approximate Site Boundary (not to scale)

Image provided by Google Earth Imagery (Imagery Date 17/12/2021)

Purpose and Basis of Report

1.7 The purpose of this report is to identify and examine in broad terms readily available information relating to the:

- Past and current uses of the site and surrounding areas as well as the nature of any hazards and physical constraints.
- Environmental setting including geology, mining, hydrogeology, and hydrology.
- Current and likely future receptors, potential sources of contamination and likely pathways and any features of immediate concern, including those that could be introduced in the future as part of a preliminary conceptual model.
- Information for the preliminary risk assessment.
- Likely ground conditions beneath the site, including soil/rock types, groundwater and potential geohazards.
- Potential contamination constraints and liabilities that may arise in connection with the present use or proposed use of the site.

1.8 The report has been produced in general accordance with Environment Agency's ('EA') Land Contamination Risk Management ('LCRM')[1].

Proposed Use

1.9 The site is to be developed for ground-mounted solar photovoltaic ('PV') arrays and on-site energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Substation at Sellindge ('the Proposed Development'). The Proposed Development will have the capability to export and import up to 99.9 Megawatts ('MW') of electricity at any time.

Cable Route Corridor Area

1.10 Since the walkover survey was undertaken, the site boundary was extended by approximately 2 hectares of land to the north-east of the site boundary shown on Figure 1 to incorporate a cable route corridor area. Therefore, a walkover survey has not been carried out across this area. However, based on historical maps, the baseline conditions are anticipated to be similar to the areas surveyed in the north-eastern parts of the site. Significant contamination is therefore not expected to be present across the cable route corridor.

Limitations of Report

1.11 This report does not constitute or contain a valuation nor is it a full rigorous environmental audit or assessment of potential abnormal costs.

1.12 In this instance, this report is prepared as a geo-environmental desktop study which has been requested to inform decision making and risk management with regards to specific site constraints.

1.13 The opinions and findings of this report are given without the benefit of any physical site investigation, sampling and testing. A site walkover visit has been carried out.

[1] Land Contamination Risk Manager (LCRM), version 3, October 2020, https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm, accessed on 18th March 2022.

2 DATA SOURCES

Data Sources

2.1 Our desk study research has been carried out in general accordance with current recognised guidance and with the procedures set out in the following documents:

- EA's LCRM entitled "How to assess and manage the risks from land contamination" dated October 2020[2].
- British Standard BS EN ISO 21365:2020 Soil quality - Conceptual site models for potentially contaminated sites[3].
- British Standard BS 5930:2015+A1:2020 - Code of practice for ground investigations[4].

2.2 The Desk Study report has been prepared following the examination of the following key information:

- Groundsure Insight Reports dated 22nd November 2021 prepared by Groundsure Limited. The reports contain the following information:
  - Hydrological and hydrogeological conditions.
  - Ground Vulnerability Mapping.
  - Details of sensitive land use.
  - Published Ordnance Survey ('OS') map.
  - Registered landfill, waste transfer and waste treatment or disposal sites.
  - Pollution incidents relating to the air and controlled waters.
  - Discharge consents.
  - Licensed groundwater abstractions.
  - British Geological Survey ('BGS') recorded mineral sites.
  - Mining instability/hazards, including natural and mining cavities.
  - Ground instability hazard.
  - Radon affected areas.
  - Information provided by Ashford Borough Council ('ABC'), the Local Planning Authority.

[2] ibid
[3] BS EN ISO 21365 Soil quality – Conceptual Site Models for potentially contaminated sites, 2020
[4] BS EN5930 – Code of Practice for Ground Investigations, 2015 + A1: 2020

- Zetica's UXO Pre-Desk Assessment Report (**Appendix E**).
- BGS mapping[5] and borehole records[6].
- Coal Authority Interactive Map Viewer[7].
- ABC Information (**Appendix F**).
- Site walkover details.

2.3 A copy of the Groundsure Report is presented in **Appendix B**.

[5] BGS Mapping, England and Wales sheet 305 and 306, https://largeimages.bgs.ac.uk/iip/mapsportal.html?id=1001797, accessed on 18th March 2022.
[6] BGS, Geology of Britain Maps, https://mapapps.bgs.ac.uk/geologyofbritain3d/, accessed on 18th March 2022.
[7] Coal Authority Interactive Map Viewer, https://mapapps2.bgs.ac.uk/coalauthority/home.html, accessed on 18th March 2022.

3 SITE HISTORY AND PRESENT LAND USE

Site History

3.1 Historical maps (1:10,560 and 1:2,500 scale) have been assessed to identify previous land uses, including any significant potentially contaminative uses. Where other features that may have an effect on development of the site have been identified, they are also described. The historical maps are presented in **Appendix B**.

3.2 **Table 3.1** summarises the history of the site over the period between 1878 to 2021.

TABLE 3.1
SUMMARY OF HISTORICAL ONSITE LAND USE

Date	Site Land Use	Additional Comments
1877 - 2021	South – the site comprises agricultural fields for the entire time. There is an area of woodland located within the south-west and a road traverses the site from the south-western boundary in a north-eastern direction. South-East – the south-eastern fields comprise agricultural land for the entire time. West – the west of the site comprises agricultural land for the entire time. Woodland labelled as 'Coopers Wood' and 'Broadoak Wood' are present from 1871-1982. A road traverses the site from the north-east in a south-east direction, this is later labelled as 'Bank Road' from 1975. A second road extends from Bank Road and continues south for the entire time. A cottage is present within the north-east from 1871 and is situated on the junction between the two roads onsite for the entire time. East – The east of the site comprises agricultural land for the entire time. North – this area comprises agricultural fields. The East Stour River is located within the north-eastern fields and traverses the site in an east-west direction. A road is located within the north-eastern fields for the entire time. From 1975 to 2022, an electricity substation and track are located within the north-east.	

3.3 **Table 3.2** summarises the history of the immediate vicinity of the site (within 250m of the site boundary) over the period 1878 to 2021.

TABLE 3.2 SUMMARY OF HISTORICAL OFFSITE LAND USE		
Surrounding Site Use/Features	**Dates**	**Location**
Agricultural land	1871-present	Surrounding land in all directions.
Roadways	1871-present	Two roadways are shown to traverse the south-western part of the site boundary, heading in a north-south direction. Two roadways traverse the land to the west of the site. The main road spans in a north-east/south-west direction and the second road spans from the main road in a north-west/south-east direction. A roadway traverses the north-western part of the site boundary in an east/west direction.
Residential buildings	1871-present	Buildings are located approximately 50m and 250m south-west of the site boundary. Stables are present, connected to the residential buildings from 1972 (250m south-west of the site boundary). From 1939, additional residential buildings and gardens are visible, approximately 250m to the south-west of the site boundary. There are buildings located approximately 100m west of the site boundary from 1871. Additional residential buildings are evident from 1972 onwards and are located approximately 150m to 250m west of the site boundary. Residential buildings are located immediately north-west and 50m east of the site boundary, from 1871-present. From 1871-present, there are residential and farm buildings located immediately east of the site boundary, and 250m to the south and west of the south-eastern part of the site.
Ponds	1871-1971	Two ponds are located approximately 250m south-west of the site boundary in 1871, along with a further four ponds up to 100m to the south-west of the site boundary. A seventh pond appears approximately 100m south-west of the site boundary in 1907. By 1972, only one of the three of the seven ponds are evident, located 250m south-west of the site boundary. A pond is located 120m to the west of the site boundary in 1871, and a further two ponds appear 100m to 150m to the west of the site boundary, as shown on the 1898 version of the map. By 1972, only two ponds of the three ponds are present to the west of the site boundary. A pond is located approximately 100m east of the site boundary from 1993.
Kennels	1972-present	Boarding kennels are present approximately 50m south-west of the site boundary.

Sheepfold	1871-1939.	A sheepfold is located immediately south-west of the site boundary from 1871-1907. A sheepfold is located approximately 200m north-west of the site boundary from 1871-1939. Another sheepfold is located immediately north of the site boundary from 1871 and is labelled as 'sheep wash' from 1907-1939. A second sheepfold is recorded immediately north of the site boundary from 1972. A sheepfold is also located immediately west of the south-eastern part of the boundary from 1871-1898, and immediately north of the south-eastern part of the boundary from 1871- 1939.
Railway Line	1871-present	There is evidence of a railway line located immediately north of the north-eastern part of the site traversing the boundary in an east-west direction.
Woodland	1871-present	Park Wood is located approximately 100m north of the north-eastern part of the site boundary. Backhouse Wood is located immediately south of the north-eastern part of the site boundary.
Sewage treatment works and associated infrastructure	1971-present	A sewage treatment works including tanks, drying beds and filter beds are located approximately 100m north of the north-eastern part of the site boundary.
Industrial Land	1985-present	Industrial land, including Sellindge Converter Station, tanks, industrial buildings and associated infrastructure are located immediately north of the HS 1 railway line, which is adjacent to the north of the site boundary.
Lake	1993-present	Lakes are located approximately 25m west of the north eastern part of the site boundary, 100m north of the north-eastern part of the site boundary, and approximately 250m east of the site boundary.
School	1871-present	A school is located approximately 250m to the south of the south-eastern part of the site from 1871-present day.
Limekiln and Quarry	1871-1975	A limekiln (1871), which is labelled on the maps as a 'quarry' from 1896 and later as a 'disused quarry' from 1975, is located approximately 250m to the south-east of the site boundary. Handen Quarry is located immediately south of the site boundary from 1939- 1975 (now disused).

3.4 Beyond 250m from the site boundary, historical land use is typically associated with agricultural activity, as well as residential developments and farm buildings.

Present Site Use

3.5 A site walkover survey was carried out between 29th November and 1st December 2021. The key findings of the site walkover are summarised below. The site walkover

findings are presented in full within **Appendix C**, along with a collation of photographs presented within **Appendix D**. All photos can be made available on request.

3.6 Drawing GM12014-001 displays the field boundaries within the site.

3.7 The site consists of predominantly agricultural land or pastureland. A substation lies within field 16, and fields 3 and 6 contain stockpiles of manure and shavings. In addition to pastureland, field 1 contains buildings, waste stockpiles, caravans and storage containers.

3.8 A strip of hardstanding covers the north of field 1 and the north-east of field 17. It can be assumed that all fields contain reworked natural Made Ground due to the presence of brick material on the surface and shallow subsurface. The soil on the surface generally displayed a sandy gravelly clay texture.

3.9 Most of the fields within the site are bound by hedges and trees, except the southern areas of fields 1 and 106, which are open.

3.10 Areas of woodland were noted within the north of field 4 and within the east of field 7.

3.11 Manholes were observed within the north of field 15, which displayed water utilities. Manholes were also present within the north-east of field 106.

3.12 Overhead electricity cables traverse many of the fields within the north, east and centre of the site.

3.13 Hazards observed onsite included potential for utilities crossing the site within the north and centre. There may also be potential for hazardous substances located within field 1.

3.14 Surrounding land use includes agricultural land and pastureland in all directions. The HS1/ Channel Tunnel Rail Link is located to the north of the boundary of field 17 and 18, and a fishing pond is located to the west of field 19. A farm area including farm buildings storage, tractors, caravans, and residential buildings lies to the east of fields 22, 21, 11 and 8. Residential buildings and horse stables are located to the south of field 9. A waste fire was noted to the north of field 106.

4 GEOLOGICAL AND HYDROGEOLOGICAL SETTING

Geology

4.1 The assessment of the geology of the site is based on BGS GeoIndex online mapping (England and Wales Sheet Folkestone 305 and 306), Groundsure Report, and geological information obtained as part of the site walkover. A summary of significant geological information is provided below in **Table 4.1.**

TABLE 4.1
SUMMARY OF GEOLOGICAL INFORMATION

Strata	Description
Made Ground	The Groundsure report does not identify Made Ground to be present onsite. During the site walkover, brick gravel was identified within the surface cover material of fields indicating that reworked natural material may underly the site.
Natural Superficial	Natural superficial deposits in the form of Alluvial clay, silts, sands and gravels are shown to be recorded within the north-east and north of the site.
Bedrock Strata	There are three bedrock lithologies located onsite, which are as follows: • Weald Clay Formation – mudstone (south-west, north, north-east and east). • Hythe Formation – interbedded sandstone and limestone (centre, very small area within the north-east and east). • Atherfield Clay Formation – sandy mudstone (centre, south-east, north-east and east).
Linear Features	There are no linear features onsite or within 250m of the site boundary.
Borehole Records	There are 11no. borehole records located within the north-eastern fields of the site (adjacent to the HS1/ Channel Tunnel Rail Link). The records generally displayed Made Ground to 8m depth, of which, material consisted of dark grey and brown fine to coarse sand, yellow brown sandy gravelly clay, blue grey mottled brown clay and blue grey clayey fine to coarse sand. Gravel inclusions were described as flint, brick, claystone, limestone, slag, coal, basalt, and concrete. A layer of flood plain deposits is recorded within one of the boreholes between 8.05m and 8.70m. This material was described as dark brown, grey clay sandy angular to subangular fine to coarse gravel of flint with low cobble content. Weald Clay has been recorded between 0.95m and 4m, and 7.6m and 15.3m and is typically described as stiff blue grey, grey, and green-grey clay with occasional medium gravel size pockets of light grey silt.

Hydrogeology

4.2 The Superficial Deposits (Alluvium) within the north and north-east of the site have been classed as a 'Secondary A' aquifer. These are defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some

cases forming an important source of base flow to rivers. These are generally aquifers formerly classed as minor aquifers.

4.3 The bedrock beneath most of the site is classed as unproductive. These are defined rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

4.4 The bedrock underlying the centre, east and a small area within the north-east of the site has been classed as a 'Principal' aquifer. Principal aquifers consist of geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers.

4.5 The vulnerability of the Principal aquifer located onsite has been classed as high.

4.6 There are no source protection zones located within the site boundary or in the vicinity of the site.

4.7 There are no groundwater abstraction records located onsite. However, there are 4no. records of groundwater abstractions within 2km of the site boundary. The first two records are duplicated and relate to an abstraction point located 122m north of the site boundary. The remaining two are located 168m north and 203m north of the site boundary, respectively. The licenses pertain to a historical license used for dust suppression located along three points at an unlined pond at Sellindge. The start date is detailed as June 2000 and expiry as October 2000. The company name has been labelled as Balfour Beatty Ltd for all licenses.

4.8 There are no surface water abstractions or potable abstraction zones located onsite or within 2km of the site boundary.

Hydrology

Surface Water Features

4.9 There are 175no. Water Networks (OS MasterMap) recorded within 250m of the site boundary. A total of 53no. of these recorded networks pertain to water courses located within the site boundary. There are 51no. records which have been described as inland rivers not influenced by normal tidal action. The remaining 2no. records are described as a lake, lock or reservoir.

4.10 The closest surface water body to the site is the East Stour River, which traverses the northern boundary of the site and continues to cross the north-eastern fields of the site, within the site boundary.

4.11 During the walkover survey, many surface water features were identified. These included the following:

- Eastern fields within the site – river within the centre and extending to the north.
- Central fields within the site – river located within the east, extending north. A stream was noted between separating fields 106, 7 and 21. A further river was located traversing the northern boundary of field 106.
- Western fields within the site – river located between fields 1 and 2.
- Northern fields within the site – river located adjacent to the northern boundary of field 22, and between fields 16 and 15.

4.12 There are 2no. water body catchments managed under the Water Framework Directive ('WFD')[8] located within the site boundary. The relevant surface water body catchment has been identified as Romney Marsh (between Appledore and West Hythe), and East Stour.

4.13 There is one record of WFD surface water bodies identified onsite, comprising the East Stour.

Flooding

4.14 The EA maintain national flood maps based on ground levels, predicted flood levels, information on flood defences and local knowledge. The flood maps show the predicted likelihood of flooding in an area in the context of current and also proposed land use considered in development planning.

4.15 All flooding information can be found within the Groundsure Report (**Appendix B**).

Rivers and Coastal

4.16 There is a high risk of flooding from rivers and sea ('RoFRaS') located within most of the north-eastern fields within the site. There are small areas within the west and

[8] The Water Environment (Water Framework Directive) (England and Wales) Regulations, 2017.

south of the north-eastern fields which have been classed as low. The north of the central fields is classed as medium risk and the remainder of the site has been classed as negligible.

4.17 There are 5no. records of historical flood events located onsite. The flood events are located within the north and north-eastern fields. The cause of the flood is detailed as the channel capacity being exceeded.

4.18 There is an area located adjacent to the HS1/ Channel Tunnel Rail Link within the north-eastern fields which benefits from flood defences.

4.19 There is a flood storage area located within the south of the north-eastern fields of the site.

4.20 The north and north-eastern fields are located within a Flood Zone 2 and 3. The remainder of the site is not located within a Flood Zone.

4.21 Based on the above, a flood risk assessment will be required for the Proposed Development.

Surface Water

4.22 The highest risk of surface water flooding onsite and within 50m of the site boundary has been recorded as a 1 in 30-year event with a depth greater than 1m.

Groundwater

4.23 Most of the site has been classed as negligible risk of groundwater flooding. The risk has been classified as high within the northern part of the site and a limited area within the north-eastern fields within the site boundary.

5 MINING AND QUARRYING

General

5.1 Research of the mining setting at the site is based on examination of published topographical and geological information.

Coal Authority Information

5.2 Information available on the Coal Authority website (Interactive Map Viewer)[9] indicates that the site does not lie within a Coal Mining Area.

Natural Cavities

5.3 There are no records of natural cavities located onsite. However, there is 1no. record located 125m south of the site boundary. This record pertains to gullies/fissures due to cambering.

Surface Workings

5.4 A review of Groundsure's Historical Land Use Database has identified 66no. historical surface ground working features onsite (8no.), or within 250m (58no.) of the site boundary. It should be noted that some Groundsure records (**Appendix B**) are duplicates and therefore are only noted once in this report. These include:

- Pond (onsite - 7 duplicated records, offsite records include 24m-28m north, 55m north-west, 63m north-west and 68m south-west of the site boundary, respectively).
- Unspecified heap (onsite).
- Unspecified ground workings (1m south-west, 4m south-west, 10m south-west, 75m and 76m south and 229m south of the site boundary, respectively).
- Cuttings (6m-14m north and 18-40m north-west of the site boundary, respectively).

[9] Coal Authority Interactive Map Viewer, https://mapapps2.bgs.ac.uk/coalauthority/home.html, accessed on 18th March 2022.

- Unspecified quarries and disused quarries (22m north, 43m south-east, 43m north-west, 59m north-west, 62m north-west, 76m south, 80m south, 205m north-west, and 235m north-west of the site boundary, respectively).
- Water body (23m north and 53m south-west of the site boundary, respectively).
- Sewage treatment works (69m north-east of the site boundary).
- Filter beds (115m north-east and 179m north-east of the site boundary, respectively).

Underground Workings

5.5 There are no records of underground workings onsite or within the vicinity of the site boundary.

Non-Coal Mining

5.6 There are 9no. records of non-coal mining activities located on the site. Three of the records pertain to potential localised small-scale underground mining of iron ore. The remaining three records relate to the sporadic underground mining for limited extents of sand.

5.7 Within 250m of the site boundary, there are a further 3no. records of potential sporadic underground mining located 64m north-east, 66m north and 222m north of the site boundary, respectively.

5.8 There are no records of mining cavities, Johnson Poole and Bloomer ('JPB') mining areas, coal mining, brine mining, clay mining, tin mining, or gypsum areas within 250m of the site boundary.

5.9 Records of non-coal mining activities onsite and within 250m of the site can be found within **Appendix B**.

Brit Pits

5.10 BritPits is a database of currently active or closed surface and underground workings maintained by the BGS.

5.11 There are no records of Brit Pits onsite. However, there are 3no. records within 250m of the site boundary. All three records pertain to surface mineral working of limestone within Aldington and are located 83m south-west, 138m south and 166m north-west of the site boundary, respectively. All records display a ceased status.

6 ENVIRONMENTAL DATA AND CONSULTATIONS

6.1 The historical potentially contaminative industrial land uses are briefly reviewed within **Section 3** of this report. Based on a review of the Groundsure Enviro Insight report, the following environmental information and consultations have been noted.

Contaminated Land Register Entries and Notices

6.2 The Groundsure Enviro Insight report (**Appendix B**) identifies 4no. historical industrial activities onsite and 82no. within 250m of the site boundary. These include the following:

- Electric substation (2no. duplicated records onsite).
- Railway sidings (1no. record onsite, and another record 5m- 15m north of the site boundary).
- Railway station (8m north, 12m north and 37m north of the site boundary, respectively).
- Converter station (5m north of the site boundary).
- Unspecified heap (1no. record onsite).
- Cuttings (6m-14m north and 18m-40m north-west of the site boundary, respectively).
- Unspecified ground workings (1m-10m south-west, 75m south and 229m south of the site boundary, respectively).
- Unspecified disused quarry/ quarry (3m north-west, 43m south-east, 43m south-east, 43m north-west, 59m north-west, 76m-80m south, 204m-205m north, 235m south of the site boundary, respectively).
- Sewage treatment works (69m north-east of the site boundary).
- Fire station (96m south and 194m west of the site boundary, respectively).
- Unspecified mill (101m-114m north-east of the site boundary).
- Unspecified tanks (101m-179m north-east of the site boundary).
- Filter beds (115m north-east, 179m north-east boundary).
- Mill (140m south-west of the site boundary).
- Cornmill (147m north-east of the site boundary).

- Smithy/Forge (195m south-west of the site boundary).

6.3 There are 3no. records of historical energy features located onsite, which are duplicated.

6.4 There are 23no. records of historical unspecified tanks within the vicinity of the site, located 97m-193m north-east and 215m-219m north of the site boundary, respectively. These are likely to be linked to agricultural land use.

6.5 There are no records of historical petrol stations or historical garages onsite or within the vicinity of the site boundary.

6.6 Table 6.1 below outlines records of recent industrial land use onsite and within the vicinity of the site boundary.

TABLE 6.1
RECORDS OF RECENT INDUSTRIAL LAND USE.

Activity and Category	Company and location
Infrastructure and facilities: • Electrical features. • Waste storage, processing, and disposal • Telecommunications features.	Pylon located within the eastern fields in the eastern part of the site. Sewage pumping station – located within the north-east of the central part of the site. Pylon located 9m- 200m south, 54m-197m north, 194m north-east of the site boundary. Electricity Sub Station – 76m south-east of the site boundary. R H Butler Skip Plant Crusher Hire – 39m north of the site boundary. Sewage treatment works – 129m east of the site boundary. Slurry tank – 166m east of the site boundary. Mast (telecommunications) 69m north of the site boundary.
Contract Services: • Agricultural Contractors	J&J Services – 15m east of the site boundary.
Transport, storage, and delivery: • Railway companies and information.	Resource rail – 16m south-east of the site boundary.
Foodstuffs: • Fish, meat, and poultry products	J Wanstall Sons – 81m south of the site boundary.
Engineering Services: • Industrial Engineers	P M Engineering Kent Ltd – 103m north-east of the site boundary.

Industrial Features: • Water pumping stations • Tanks (generic) • Unspecified works of factories • Energy production	Pumping station – located within the north-east of the central part of the site. Tank – 103m- 203m north-east and 129m east of the site boundary, respectively. Partridge farm- solar photovoltaics– 164m south of the site boundary. Pumping station – 195m south of the site boundary.
Central and Local Government: • Fire brigade stations	Aldington fire station – 211m west of the site boundary.

6.7 There are no Control of Major Accident Hazards ('COMAH'), gas pipelines, sites determined as contaminated land or regulated explosive sites either onsite or within 250m of the site boundary.

6.8 There are no historical licensed industrial activities, licensed industrial activities (Part A(1) or (Part A (2)/B) either onsite or within 250m of the site boundary.

6.9 There is no hazardous substance storage/usage recorded either onsite or within 250m of the site boundary.

6.10 There are no radioactive substance authorisations either onsite or within 250m of the site boundary.

Waste Management

6.11 There are no records of active or recent waste landfill sites within the site itself or within a 250m radius from the site boundary. There are also no records of historical landfill sites identified from the Local Authority within the site itself or within a 250m radius from the site boundary.

6.12 The Groundsure report identifies one record of a BGS historical landfill, which is located 143m north-west of the site boundary and pertains to a quarry.

6.13 Based on the EA records, there is one record of a historical landfill onsite and a further 2no. records within 250m of the site boundary. All records outline a waste type of either inert, household and/or commercial.

6.14 There is one record of a historical waste site located 16m north of the site boundary. The associated waste site has been described as a waste transfer depot (formally a skip depot).

6.15 There are 3no. licensed waste sites within 250m of the site boundary. Two duplicated records are associated with a single site located 72m east of the site boundary and pertain to a Household, Commercial and Industrial ('HCI'I) waste transfer station dealing with 25,000 - >=75,000 tonnes of waste per annum. The third record is associated with a site located 147m north-east of the site boundary and is outlined as a biological treatment facility managing up to 25,000 tonnes of waste per annum.

6.16 There are 136no. waste exemptions within 250m of the site boundary, with one record associated with onsite activity, described as spreading waste on non-agricultural land. The remaining waste exemptions have been outlined as follows:

- Pig and poultry ash (14m south east, 40m south east and 81m south of the site boundary, respectively).
- Storage of sludge (14m south east and 81m south of the site boundary, respectively).
- Deposit of waste from dredging of inland waters (14m south east, 26m east and 81m south of the site boundary, respectively).
- Burning waste in the open or in a small appliance (14m south east,38m north, 40m south east, 45m east, 47m west, 81m south and 148m south west of the site boundary, respectively).
- Aerobic composting and associated prior treatment (14m south east and 81m south of the site boundary, respectively).
- Anaerobic digestion at premises used for agriculture and burning of resultant biogas (14m south east and, 81m south of the site boundary, respectively).
- Treatment of waste and treatment in a "biobed" or biofilter (14m south east, 40m south east and 81m south of the site boundary, respectively).
- Screening and blending of waste (14m south east, 81m south and 134m south west of the site boundary, respectively).
- Use of waste in construction (14m south east, 16m south east, 38m north, 40m south east, 47m west, 81m south, 129m south west, 134m south west, 137m east, and 150m north of the site boundary, respectively).

- Spreading waste or plant matter on agricultural land to confer benefit (14m south east, 16m south east, 26m east, 40m south east, 47m west, and 81m south of the site boundary, respectively).
- Use of mulch and waste for a specified purpose (14m south east, 40m south east and, 81m south of the site boundary, respectively).
- Incorporation of ash into soil (14m south east, 40m south east and, 81m south of the site boundary, respectively).
- Storage of waste within a secure place (38m north, 40m south east and, 81m south of the site boundary, respectively).
- Disposal by incineration (40m south east and 81m south of the site boundary, respectively).
- Preparatory treatments, cleaning, washing, spraying or coating relevant waste (40m south east, 140m north and, 144m north of the site boundary, respectively).
- Recovery of scrap metal (40m south east and 81m south of the site boundary, respectively).
- Treatment of waste edible oil and fat to produce biodiesel (40m south east of the site boundary).

Radon

6.17 The BRE 'Guidance on Protective Measures for New Dwellings' (BR 211)[10] has been consulted to review the geological radon potential of the site.

6.18 The relevant radon data collated within the Groundsure report estimates the percentage of dwellings within the site boundary exceeding the Radon Action Level is less than 1%. Subsequently, the BRE guidance document indicates that no radon protective measures are required for any new buildings or structures.

6.19 The data reviewed as part of this risk classification is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section

[10] BRE 'Guidance on Protective Measures for New Dwellings' (BR 211), 2015.

should supersede any estimations derived directly from the Indicative Atlas of Radon in Great Britain[11].

Pollution Incidents

6.20 There are no records of pollutions incidents associated with the site. However, there are 6no. records of pollution incidents recorded within 250m of the site boundary, which are outlined within **Table 6.2** below.

Table 6.2 – Pollution incidents recorded within 250m of the site boundary.

Details of pollution incident	Location and date.
Pollutant included organic chemicals/products of pesticides and biocides. The incident was classed as Category 4 (no impact) for land and air impact, and Category 2 (significant) for water impact.	10m south-east of the site boundary. The incident date is recorded as 20/11/2002.
Pollutant included sewage materials in the form of crude sewage. The incident was classed as Category 3 (minor) for water and land impact, and Category 4 (no impact) for air impact.	55m west of the site boundary. The incident date is recorded as 12/08/2002.
Pollutants have been described as atmospheric pollutant or effect. The incident was classed as Category 4 (no impact) for water and land impact, and Category 3 (minor) for air impact.	85m south of the site boundary. The incident date is recorded as 17/09/2002.
This is a duplicated record. Pollutants have been described as other pollutant. The incident was classed as Category 4 (no impact) for air and land impact, and Category 3 (minor) for water impact.	86m west of the site boundary. The incident date is recorded as 21/08/2001.
Pollutants have been described as materials and waste in the form of inert materials and wastes. The incident was classed as Category 4 (no impact) for water and Category 3 (minor) for air and land impact.	147m north-west of the site boundary. The incident date is recorded as 25/09/2002.

[11] Indicative Atlas of Radon in Great Britain, https://www.gov.uk/government/publications/radon-indicative-atlas-in-england-and-wales, accessed on 18th March 2022.

6.21 The Groundsure report does not provide any records for pollution inventory substances, pollution inventory waste transfers or pollution inventory radioactive waste within the site itself or within 250m of the site boundary.

Discharge Consents

6.22 There are 12no. records for licensed discharges to controlled waters within 250m of the site boundary, the closest being 24m north of the site boundary. There are no records of licensed discharges to controlled waters within the site boundary.

6.23 There are no records reported within the site boundary or within 250m of the site boundary for pollutant release to surface waters (Red List) or pollutant release to public sewer.

Local Authority Pollution Prevention Controls

6.24 Within the site boundary or within 250m of the site boundary, there are no records for licensed industrial activities (Part A (1)) or (Part A (2)/B).

Dangerous or Hazardous Sites

6.25 There are no records for List 1 Dangerous Substances within the site boundary or within 250m of the site boundary.

6.26 There is one record for List 2 Dangerous Substances within 500m of the site boundary, pertaining to a converter station located 149m north of the site boundary.

Designated Environmentally Sensitive Sites

6.27 There is 1no. Site of Special Scientific Interest within 2km of the site (Hatch Park, located approximately 1.8km to the north of the site boundary).

6.28 There are 46no. records of Designated Ancient Woodland located within 2km of the site boundary, which are described as ancient, replanted woodland and ancient & semi-natural woodland.

6.29 Within 2km of the site boundary there is one site associated with a Local Nature Reserve designation. The entry is described as Poulton Wood, Aldington and is located 343m south-east of the site boundary.

6.30 There are no other environmental designations (such as Ramsar sites, Special Areas of Conservation, green belts etc.) within 250m of the site boundary. The Groundsure report does not include records of Local Wildlife Sites as part of its data.

Japanese Knotweed, Himalayan Balsam and Giant Hogweed

6.31 Many foreign plants were introduced to Britain in the 19th Century, mainly for ornamental reasons. A few have become aggressively dominant, creating serious problems in some areas. The Wildlife and Countryside Act 1981 states that it is an offence to '*plant or otherwise cause to grow in the wild*' any plant listed in Schedule nine, Part II of the Act. This lists over 30 plants, including the terrestrial plants, Japanese knotweed and giant hogweed. Their spread is primarily the result of human activities, which aid their dispersal along linear corridors such as railway tracks, rivers, and road verges. By forming dense stands, invasive species can displace native species and reduce wildlife interest.

6.32 During the site walkover, Japanese knotweed was not identified onsite. However, it should be noted that the ground conditions survey was not undertaken in relation to ecological aspects or invasive species.

Environmental Management

6.33 Generally, the site comprises agricultural land and pastureland, which are well maintained.

Asbestos

6.34 The Health and Safety at Work Act[12] requires that Employers provide safe places of work for their employees. The Control of Asbestos Regulations[13] place very heavy specific duties on those who commission and carry out work on asbestos containing materials.

6.35 Construction work that is likely to involve exposure of workers to hazards associated with potential asbestos associated with the Made Ground, will be subject to the

[12] Health and Safety at Work etc. Act 1974, https://www.legislation.gov.uk/ukpga/1974/37/contents, accessed on 18th March 2022.
[13] The Control of Asbestos Regulations 2012, https://www.hse.gov.uk/asbestos/regulations.htm, accessed on 18th March 2022.

Construction (Design and Management) Regulations[14] which impose duties upon Clients, Designers and the Contractors carrying out the work.

6.36 Other health and safety and welfare regulations place duties on Employers to undertake risk assessments and prepare hazard management plans which, in the case of a building likely to contain asbestos, could involve the commissioning of surveys, hazardous materials location registers and proposals for remedial work.

6.37 Due to the historical land usage at the site and based on available information it is unlikely that asbestos is present onsite. However, encountering asbestos containing materials at the site should not be completely discounted at this stage.

Archaeology

6.38 Examination of historical mapping has not identified any significant archaeological features onsite.

6.39 A search of British archaeological sites using the 'ARCHI UK[15]' database (over 190,000 British archaeological sites are listed) indicates that there are no archaeological / sites of interest either onsite or within 250m of the site boundary.

6.40 Based on the Groundsure report, there are no scheduled ancient monuments either onsite or within 250m of the site boundary.

6.41 It should be noted that this report does not constitute an archaeological desk-based assessment.

Visual and Cultural Designations

6.42 There are no records of World Heritage Sites, Areas of Outstanding Natural Beauty, National Parks, or Registered Parks and Gardens onsite or within 250m of the site boundary.

6.43 There are no records of listed buildings onsite. There are 17no. records of listed buildings within 250m of the site boundary, all of which are recorded as Grade II. These are located as follows:

[14] The Construction (Design and Management) Regulations 2015, https://www.hse.gov.uk/construction/cdm/2015/index.htm, accessed on 18th March 2022.
[15] ARCHI UK, https://www.digital-documents.co.uk/, accessed on 21st March 2022.

- 15-28m east of the site boundary (Stable/Outhouse About 10 Metres North of Goldwell and Goldwell, respectively).
- 24-234m south-east of the site boundary (The Old Cottage, Bank Farmhouse and Walls Attached, and Clap Hill House, respectively).
- 129-206m south-west of the site boundary (Goodwin Farmhouse, Evegate Millhouse, Evegate Mill, Belarica Cottage, and Walnut Tree Inn, respectively).
- 32-81m south of the site boundary (Quested's Cottage, Hand Pump About 5 Meters West of Quested's Cottage, Stonelees, and Barn And 2 Stables Ranged Attached, respectively).
- 42-160m west of the site boundary (Symnells and Walled Forecourt and Stable/Outbuilding About 20 Yards North of Evegate Mill House, respectively).
- 122m north-east of the site boundary (Symnel Cottage).

Agricultural and Habitat Designations

6.44 As set out in the Agricultural Land Classification Report (GM12014-0009 dated April 2022) prepared by Wardell Armstrong, most of the land within the site (142.01ha) has been classed as Subgrade 3b (moderate agricultural quality), with 34.47ha classed as Subgrade 3a (good agricultural quality). 6.52ha of land has been classed as non-agricultural. Only 1.95ha has been classed as Grade 2 (very good agricultural land). The land within the cable corridor area within the extended site boundary (4.17ha) was not included in this survey.

6.45 There are no records of Open Mosaic Habitat or Limestone Pavement Orders designations onsite or within 250m of the site boundary.

6.46 There is one record of a designation associated with habitat network enhancement zone 1 (areas suitable for expansion of networks through restoration and habitat creating) located 144m south-east of the site boundary, and deciduous woodland has been recorded onsite (north-east) and up to 235m (south-east, south-west, north, north-west, south and east) from the site boundary.

Unexploded Ordnance (UXO)

6.47 UXO specialist Zetica has carried out a UXO Pre-Desk Assessment of the site (**Appendix E**). Zetica has not identified any Pre-World War 1 (WWI) Military Activity, WWI Military Activity, WWI Bombing, or Interwar Military Activity on or affecting the site.

6.48 No post WWII Military Activity have been recorded on or affecting the site.

6.49 WWI Strategic Targets within 5km of the site boundary have been identified as transport infrastructure and public utilities, industries important to the war effort (engineering works), Royal Flying Corps ('RFC') Lympne and military camps and training areas.

6.50 WWII Strategic Targets within 5km of the site boundary have been identified and include, transport infrastructure and public utilities, industries important to the war effort, Royal Air Force ('RAF') Kingsnorth, RAF Lympne, RAF Newchurch and anti - invasion defences.

6.51 During WWII, the site was located within the Rural District of East Ashford, which recorded 260no. High Explosive ('HE') bombs with a bomb density of 5.1 bombs per 405 hectares. There are no records available to suggest that the site was bombed.

6.52 A WWII crash site has been identified within the south of the site (field 11). Zetica have confirmed that the aircraft (a German Messerschmitt 'Me109') which crashed onsite could have been equipped with cannons capable of firing HE rounds, and Small Arms Ammunition ('SAA') which may have been scattered across the area during the landing. Furthermore, Zetica has also confirmed that additional aircraft crashes have taken place within the vicinity of the site boundary.

6.53 Zetica has recommended that a detailed desk study is required to assess and potentially zone the UXO hazard level on the site, based on the crashed landings located onsite and within the vicinity of the site.

Local Authority Information

6.54 ABC has been consulted for information on potentially contaminative sites onsite and within the vicinity of the site boundary.

6.55 ABC has identified a site of contamination onsite and offsite associated with the electricity production and transformers relating to the high-speed line immediately north of the site boundary. The contaminated land located onsite relates to the position of the electricity sub-station within field 16.

6.56 Within the vicinity of the site, ABC has identified former sand/gravel quarries, a lime kiln, Council depot and landfills. The Clap Hill quarry is a registered landfill that have been developed for landfill. The Ragstone Hollow quarry has been infilled for the development

of housing. However, the infill material is unknown. Aldington Quarry was investigated by ABC, who concluded that no further action was required under Part 11A.

6.57 ABC have provided a phase 1 desk study report carried out by Soiltec for the land located approximately 350m south-east of the site. The overall environmental risk associated with the land has been classed as very low to moderate. The desk study outlined the presence of a quarry and sand/gravel pit at the site until at least 1907. The quarry accepted inert, household and commercial waste. From the late 1930s, the site was utilised as allotment gardens until 1970, from when it was shown as an undeveloped site.

6.58 ABC do not hold any records of UXO/Unexploded Bomb (UXB) or groundwater abstractions onsite or within 250m of the site boundary.

6.59 Local Authority Records can be found within **Appendix F**.

7 CONCEPTUAL SITE MODEL

Methodology

7.1 On 8th October 2020, the EA published 'Land Contamination Risk Management' ('LCRM')[16], which replaced 'Model Procedures for the Management of Land Contamination' (CLR11)[17].

7.2 The guidance is intended for all those responsible for managing land that is subject to contamination, not just land that falls under the contaminated land regime under Part 2A of the Environmental Protection Act 1990.

7.3 The LCRM approach includes the production of a Conceptual Site Model ('CSM') depicting the environmental processes that occur on and in the vicinity of the site and identifying the potential contaminant linkages. The assessment of the significance of these contaminant linkages can then be carried out through the risk assessment process.

7.4 The production of a CSM and the assessment of the associated risk is based upon the identification of the possible sources of contamination ("the sources"), the identification of who or what may be affected by the contaminants ("the receptors") and the possible pathways by which contaminants may migrate to one or more of the receptors ("the pathways").

7.5 The results of the desk study and site walkover have been used to identify the potential sources, pathways and receptors that exist on the site.

Potential Sources of Contamination

Onsite

7.6 Current land use that could provide potential sources of contamination comprise the potential use of pesticides/herbicides; and biological contaminants related to the agricultural or pastural nature of the site, as well as the potential spillage and leakage

[16] Land Contamination Risk Manager (LCRM), version 3, October 2020, https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm, accessed on 18th March 2022.

[17] Model Procedures for the Management of Land Contamination (CLR11), https://www.claire.co.uk/home/news/%5C/%5C/www.cardiff.ac.uk%5C/index.php?option=com_content&view=article&id=187&catid=45&Itemid=256, accessed on 21st March 2022.

of fuels and oils from farm plant and machinery. The site walkover identified the reworked natural ground and Made Ground materials present at the surface across the fields. Additionally, the substation located in field 16 since approximately 1974 presents a potential source of contamination including polychlorinated biphenyls and mineral oils.

7.7 The historical OS mapping indicates that the site has always been used as agricultural and pastural land. The Groundsure report also identified an EA record for a historic landfill on-site at Clap Hill, Aldington (ref. AS30) operated by Ashford Rural District Council which accepted inert, commercial, and household waste, with a last recorded date of 31/12/1974. The historical landfill could present a source of contamination from heavy metals, polyaromatic hydrocarbons ('PAHs'), hydrocarbons, asbestos and inorganics.

7.8 The reworked natural ground and Made Ground materials are anticipated to underlie the site. The Made Ground is of unknown origin, though is known to contain brick material and likely to at least partially consist of demolition rubble. Potential contaminants associated with the Made Ground materials are heavy metals, PAHs, hydrocarbons, asbestos and asbestos containing materials may be present. The potential Made Ground may also be a source of ground gas generation.

7.9 It should be noted the extent of the Made Ground has not been defined and could potentially cover a larger (or smaller) area than currently anticipated.

7.10 The walkover identified areas of waste and storage tanks within field 1 which could present a source of contamination from heavy metals, PAHs, total hydrocarbons and asbestos. However, any contamination present onsite is not anticipated to be significant.

Offsite

7.11 The HS1/ Channel Tunnel Rail Link railway line and associated sidings is noted to traverse land immediately north of the site and therefore there is a risk of contamination associated with the current use of the railway land. Contaminants of concern include herbicides, metals, inorganics (such as sulphate), asbestos, hydrocarbons, PAHs, and chlorinated hydrocarbons.

7.12 The presence of agricultural land in the surrounding area, as well as the historical farm buildings, presents the potential for contamination including nitrates, organophosphates, insecticides, and asbestos.

7.13 The Groundsure report identified records of historical landfills located approximately 36m northwest and 64m south of the site boundary, respectively, which present a risk of contamination from landfill gas generation, heavy metals, PAHs, hydrocarbons, and asbestos.

7.14 Two historical waste sites were located 72m east and 147m northeast of the site boundary, respectively. These features present the potential for contamination from heavy metals, PAHs, hydrocarbons, and asbestos.

7.15 There is one record of a converter station located 149m north of the site boundary. This feature may present a source of contamination from PCBs and mineral oils.

7.16 A sewage pumping station is present 129m to the east of the site boundary. Potential contaminants include heavy metals, cyanide, nitrate, sulphate, asbestos, acids, hydrocarbons, chlorinated hydrocarbons, and PCBs.

7.17 The presence of potentially infilled ponds (approximately 100m south-west and 120m west of the site boundary, respectively), presents a source of contamination and the potential for ground gas generation. Potential contaminants could include heavy metals, asbestos, and hydrocarbons.

7.18 Two historical quarries are shown to be to the south and south-east of the site boundary, respectively, which could present a potential source of contamination from heavy metals, asbestos, PCBs, hydrocarbons, and inorganics.

7.19 Industrial land lies approximately 100m to the north-east of the site boundary which could provide a potential source of heavy metals, asbestos, PCBs, hydrocarbons, and inorganics. However, any contamination present offsite is not anticipated to be significant.

7.20 The potential sources of contamination are summarised below.

Onsite contaminants associated with:

- Agricultural & Pastural land use
- Electrical sub-station
- Tanks with unknown liquids
- Historical Landfill
- Storage of waste material
- Made Ground

Offsite (within 250m) contaminants associated with:

- Historical landfills and waste sites
- Railway sidings
- Agricultural & pastural land use in adjacent fields
- Sewage pumping station
- Infilled ponds
- Industrial land
- Historical quarries

Potential Receptors

7.21 Based on the desk study research, the following potential receptors for contamination have been identified:

- Humans – Current and future users of the site.
- Humans – Construction workers.
- Surface Waters – East Stour River.
- Controlled Waters – 'Secondary A' aquifer within Alluvium deposits towards the northern part of the site and 'Principal' aquifer of the Hythe Formation underlying various sections of the site. Most of the site is underlain by an 'Unproductive' aquifer.

Identification of Pathways

Pathways to Humans

7.22 There are various routes by which any contaminant present within the soils or groundwater beneath the site may pose a direct risk to humans, either during construction work or following redevelopment. These pathways include:

- Direct ingestion of soils.
- Dermal contact with soil.
- Dermal contact with groundwater in excavations.
- Inhalation or ingestion of dust.
- Contact through the eye.

- Ingestion of water.
- Inhalation of vapours and/or gases.

Pathways to Infrastructure

7.23 There is a potential for the Made Ground, natural geology and/or groundwater containing substances aggressive to concrete to come into direct contact with service pipes / conduits, buried concrete and associated infrastructure.

7.24 Ground gas generation from Made Ground and from nearby historic landfills and waste sites is a possibility at the site. These ground gases have the potential to migrate directly from and through permeable material including Made Ground and permeable Superficial Deposits to accumulate in buildings. Should further buildings (or any structure where gas can accumulate) be considered as part of any development proposal at the site, this level of risk will need to be assessed.

Pathways to Controlled Waters

7.25 The nearest surface water body is the East Stour River which flows from west to east along the northern boundary across the central portion of the site and flows through the centre of the north-eastern portion of the site. Contaminants may be transported to the surface water bodies by shallow groundwater in hydraulic continuity, or via surface run-off.

7.26 Any contaminants present within Made Ground/shallow soils may be in direct contact with the limited Superficial Deposits across the northern portion of the site. These Superficial Deposits are classified as 'Secondary A'. Various parts of the site are underlain by the Hythe Formation which is classified as a principal bedrock aquifer. The majority of the bedrocks underlying the site (Atherfield Clay and Weald Clay Formations) are classified as unproductive bedrock aquifers. Based on the potentially permeable nature of the Made Ground and the Superficial Deposits, the primary mechanism for the movement of any contaminants within the Made Ground into the Hythe Formation bedrock aquifer will be through the leaching of the soil, dissolution into groundwater and/or groundwater movement.

7.27 Groundwater at the site has the potential to migrate to the bedrock (Hythe Formation) through the Superficial Deposits and/or where Made Ground potentially lies directly over the bedrock.

7.28 However, the site walkover identified a strip of hardstanding covers the north of field 1 and the north-east of field 17. Infiltration pathway from surface to below ground horizons is likely to be limited within this area.

Pathways to Local Flora and Fauna

7.29 Areas of woodland and vegetation were noted within the north-east, east, and south of the site. Along with this, dense vegetation lined most field boundaries. Consideration of risks posed to any flora (from phytotoxic compounds) or fauna (direct contact including ingestion of flora) may be required if observed in future.

8 QUALITATIVE ENVIRONMENTAL RISK ASSESSMENT

Introduction

8.1 In line with EA guidance, LCRM, plausible source, pathway and receptor linkages have been identified through the CSM. The information gathered in the CSM can now be used to carry out a Qualitative Risk Assessment ('QRA').

8.2 LCRM outlines that for each tier of Risk Assessment the following steps must be taken:

i) Identify the hazard - establish contaminant sources.

ii) Assess the hazard - use a source-pathway-receptor (S-P-R) contaminant linkage approach to find out if there is the potential for unacceptable risk.

iii) Estimate the risk - predict what degree of harm or pollution might result and how likely it is to occur by using the tiered approach to risk assessment.

iv) Evaluate the risk - decide whether a risk is unacceptable.

8.3 LCRM states that the assessment must be based on the potential severity that the risk poses to the receptors against the likelihood of it happening. Subsequently, it is necessary to employ a risk assessment matrix, the CIRIA document *Contaminated Land Risk Assessment – a guide to good practice C552*, 2001[18] provides a good example of a suitable risk assessment matrices.

8.4 The CIRIA document defines 'Consequence of Risk', 'Probability of Risk Being Realised' and 'Risk Classification Definitions'. These definitions are provided in **Appendix G**.

8.5 From the combination of the information collated within this report thus far, a qualitative assessment of the potential geo-environmental risk is provided in **Table 8.1**. Where indicated, these risks may need to be considered for any future redevelopment of the land.

8.6 In order to put the onsite assessment of contamination into full context, the contaminative impact of the present site use is assessed. This assessment is in relation to potential contaminant migration and general environmental setting of the surrounding area.

[18] Contaminated Land Risk Assessment – A Guide to Good Practice C552, 2001, accessed on 21st March 2022.

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
Human Health				
<u>Onsite Sources:</u> • **Agricultural land**	• Dermal contact with outdoor dust. • Inhalation of fugitive soil dust. • Inhalation of vapours outside.	Human health (High receptor sensitivity)	Consequence: Minor Probability: Low Likelihood **Risk: Very Low**	There is potential for contamination of ground conditions associated with historical activity. Contamination from hydrocarbons, and agrochemicals potentially poses significant long-term harm. Based on the S-P-R model, there is a low likelihood that receptors may encounter the contaminants due to the proposed end us as a solar farm. Future users are unlikely to spend prolonged periods of time onsite, therefore limited risks are currently associated with the site.
		Human health - construction workers (low receptor sensitivity)	Consequence: Minor Probability: Likely **Risk: Low**	Construction workers will likely encounter recorded contamination through excavations etc. However, workers will likely be provided with PPE and therefore the consequence is considered a mild, long-term risk. Furthermore, the Proposed Development at the site is unlikely to require considerable excavation works.

TABLE 8.1
PRELIMINARY CONCEPTUAL SITE MODEL

Source	Pathway	Receptor	Risk	Commentary
Onsite Sources: • **Made Ground** • **Electrical substation** • **Tanks** • **Waste material** • **Historical landfill**	• Ingestion of soil. • Dermal contact with soil. • Dermal contact with outdoor dust. • Inhalation of fugitive soil dust.	Human health (High receptor sensitivity)	Consequence: Minor Probability: Low Likelihood **Risk: Very Low**	There is potential for contamination associated with Made Ground material at the site. The Made Ground is of unknown origin; however, it is likely to be reworked natural material. Based on this, there are limited amounts of contamination to be expected onsite. Due to the nature of the Proposed Development, there is a low likelihood that future users will encounter contaminated soil.
		Human health - construction workers (low receptor sensitivity)	Consequence: Minor Probability: Likely **Risk: Low**	Construction workers will likely encounter recorded contamination via excavation works etc. However, workers will likely be provided with PPE and therefore the consequence is considered a minor risk. Furthermore, the Proposed Development at the site is unlikely to require considerable excavation works.
Offsite Sources: • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Dermal contact with outdoor dust. • Inhalation of fugitive soil dust. • Inhalation of vapours outside.	Human health (High receptor sensitivity)	Consequence: Mild Probability: Low Likelihood **Risk: Low**	The offsite sources of contamination are located beyond the site boundary, where excavation is not anticipated. Therefore, physical exposure to contaminants and direct exposure is considered to be low. Off-site contamination migration may possibly occur through the permeable Superficial Deposits or through soils in contact with contaminated groundwater and dust. This is likely to be very limited due to the lack of Superficial Deposits onsite and surrounding the site.
		Human health – construction workers	Consequence: Minor	

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
		(low receptor sensitivity)	Probability: Low Likelihood **Risk: Very Low**	Transportation of fugitive soil dust and vapours should be considered, but this is assessed as being a very unlikely occurrence. Due to the distance from the site, the contaminant media and the most likely pathways, transmission of the contaminants to the site is likely to be limited.
Ecosystem				
Onsite Sources: • **Agricultural land** • **Made Ground** • **Electrical substation** • **Tanks** • **Waste material** • **Historical landfill** **Offsite Sources:** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	Onsite • Direct uptake from soil. • Plant uptake. Offsite • Direct uptake from soil. Including airborne transmission then uptake • Plant uptake. Including airborne transmission then uptake	**Flora and Fauna** (on site) (Low receptor sensitivity) **Flora and Fauna** (Offsite) (Low receptor sensitivity)	Consequence: Minor Probability: Low Unlikely **Risk: Very Low** Consequence: Mild Probability: Low **Risk: Low**	Due to current and historical land use, the risk to flora and fauna has been classed as very low to low as there is no significant source of contamination. Contaminants of concern associated with current and historical land use and where possible, the potential impact to flora and fauna should be considered during future site investigation.

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
Onsite Sources: • **Agricultural land** • **Made Ground** • **Electrical substation** • **Tanks** • **Waste material** • **Historical landfill** **Offsite Sources:** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Direct flow into Cadoxton River or Bristol Channel. • Plant uptake associated with the river. Including airborne transmission then uptake.	**Flora and Fauna** (East Stour River) (Low receptor sensitivity)	Consequence: Mild Probability: Low **Risk: Low**	Due to current and historical land use, it is unlikely that contamination is present onsite. Therefore, the risk has been classed as low as it is unlikely that contamination will affect flora and fauna within rivers.

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
Groundwater				
<u>Onsite Sources:</u> • **Agricultural land** • **Made Ground** • **Electrical substation** • **Tanks** • **Waste material** • **Historical landfill** **<u>Offsite Sources:</u>** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Leaching from the Made Ground. • Shallow groundwater migration between Made Ground and the Superficial Deposits. • Vertical migration to the underlying solid aquifers.	Controlled Waters (Secondary A within the Superficial Deposits, Principal within the bedrock).	Consequence: Mild Probability: Low likelihood **Risk: Low**	There is potential for limited contamination associated with the current land use, Made Ground and historical land use to effect groundwater. Receptor sensitivity is considered medium. There is a limited area of the site which has been classed as 'Principal' aquifer and therefore it is considered a low likelihood that contamination will affect controlled waters.

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
Surface Water				
<u>Onsite Sources:</u> • **Agricultural land** • **Made Ground** • **Electrical substation** • **Tanks** • **Waste material** • **Historical landfill** **<u>Offsite Sources:</u>** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Contamination of solids/soils onsite transferring to onsite surface water • Conveying of offsite contamination via pipes, culverts and manifolds to surface water • Surface run-off and / or shallow groundwater flow.	• East Stour River	Consequence: Mild Probability: Low **Risk: Low**	There is limited potential for onsite surface water contamination associated with historical land use onsite. Whilst likely to be limited, surface water could migrate vertically or laterally as groundwater.

TABLE 8.1 PRELIMINARY CONCEPTUAL SITE MODEL				
Source	**Pathway**	**Receptor**	**Risk**	**Commentary**
Ground Gas				
• **Made Ground** • **Infilled ground** • **Historical landfills** • **Nearby historical landfill and waste sites**	• Vertical migration of any gas generated on site. • Lateral gas migration through natural strata.	Human health / buildings	Consequence: Mild Probability: Low Likelihood **Risk: Low**	There is potential for the offsite and adjacent subsurface ground conditions to contain infilled ground. Should any buildings be considered as part of future development, then the risk would be increased to *Moderate/Low* and ground gas monitoring may be necessary at the site to quantify the risk.

9 GEOTECHNICAL PRELIMINARY CONSIDERATION

9.1 In addition to the environmental hazards, geotechnical hazards associated with the stability of the ground and mining issues should be assessed in line with National Policy Statements (NPSs) EN-1 and EN-3. A brief summary of the geotechnical hazards found within the Groundsure report (**Appendix B**) for the site is provided in **Table 9.1** below.

TABLE 9.1 SUMMARY OF GEOTECHNICAL HAZARDS	
Hazard	**Hazard rating**
Collapsible Ground Stability Hazard	Negligible to very low. Most of the site is recorded as very low. However, there are areas within the north, south and north-east which are recorded as negligible.
Compressible Ground Stability Hazard	Negligible to moderate. Most of the site is recorded as negligible. However, the north and parts of the north-eastern fields are recorded as moderate.
Potential for Ground Dissolution Stability Hazards	Negligible for the entire site.
Potential for Landslide Ground Stability Hazards	Very low to moderate. Most of the site is classed as very low. However, there are very small areas within the centre, and south-east which are classed as moderate.
Potential for Running Sand Ground Stability Hazards	Negligible to low. The negligible hazard rating covers the south, west, east, south-east, and small areas within the north-eastern section of the site. The low hazard rating covers the central part of the site, as well as south-east, north, and north-eastern parts of the site. There is a very small area of very low hazard rating within the south of the site.
Potential for Shrinking or Swelling Clay Ground Stability Hazards	Negligible to low. The negligible to very low records are located within the centre of the site, along with a small area within the south of the north-eastern fields and south-eastern fields. Areas of low hazard are recorded within the south-west, north, north-east, and south-east of the site.

Near Surface Soils and Foundations

9.2 Made Ground has been recorded as potentially underlying the site. However, it is of unknown composition and thickness. Boreholes obtained from the BGS have outlined a potential for Made Ground within the north-east to reach 8m below ground level

('bgl'). Slag material was also noted within the BGS borehole records and therefore further investigation should be carried out to determine the extent and shrink/swell potential of the material within the Made Ground. Made Ground is unsuitable as a founding horizon without ground improvement techniques being applied. The requirement for foundations and their anticipated depths should be considered as part of any ground investigation elements relating to founding horizon.

9.3 There are small areas located within the centre and south-east of the site which display a medium hazard rating for landslides. No evidence of landslides was noted during the walkover survey. However, further investigation is recommended to quantify the risk.

9.4 Where delineation of the risks associated with near surface soils are required, a detailed intrusive ground investigation is recommended. The ground investigation would also assist in informing any future foundation recommendations.

Mining

9.5 The site does not lie within a coal mining area. The Groundsure report has identified that surface ground workings may be present at the site and within 250m of the site boundary. There are 9no. records of non-coal mining activities located onsite. Where heavy loading is foreseen, subsidence due to mining activities should not be discounted.

Excavations and Groundwater

9.6 The presence of Made Ground and Superficial Deposits presents the potential for excavations to become unstable. Due to the unknown strength of subsurface material, excavations may be difficult within the solid bedrock beneath the site.

9.7 Where delineation of risks associated with the presence of shallow groundwater are required, an intrusive ground investigation is recommended.

Soakaway Drainage

9.8 The site is underlain by a principal bedrock aquifer. The potential use of soakaways should be subject to a further assessment. It should be noted that depending on the presence of contamination and remediation requirements, the use of soakaways may be prohibited.

Services and Subsurface Structures

9.9 A number of utilities were identified during the site walkover, including water services and overhead electricity lines.

9.10 Utility and services should be located prior to any future ground investigation or development.

10 CONCLUSIONS AND RECOMMENDATIONS

Current Land Use

10.1 The site is located to the north and west of Aldington, Kent and predominantly comprises agricultural land and pastureland. An approximate National Grid Reference for the centre of the site is 605976 E 137658 N.

Environmental Sensitivity

10.2 There is a potential for the site to be underlain by Made Ground. However, at this stage, it is of unknown thickness and composition. BGS record display Made Ground to a depth of 8m within the north-eastern fields of the site.

10.3 The limited Superficial Deposits recorded within the north and north-east of the site are classed as a 'Secondary A' aquifer. The bedrock underlying most of the site is classed as an 'Unproductive' aquifer. However, there are areas within the centre, east and north-east which have been classed as 'Principal' aquifer.

10.4 The proposed land use is for ground-mounted solar PV arrays and on-site energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Substation at Sellindge.

Contamination Potential

10.5 A review of desk study information concludes that there is a Very Low to Low risk classification for the site associated with the potential contamination at the site.

10.6 This desk study review has identified the presence of several potentially complete contaminant linkages that will need to be addressed as part of the proposed development of the site.

10.7 The extent and depth of Made Ground at the site should be ascertained.

10.8 A ground investigation with associated environmental analysis would assist in reducing existing uncertainties and inform engineering and any foundation requirements. Robust site data will support a contaminated land risk assessment and, where required, development of remediation measures to mitigate any unacceptable risks.

Appendix A

Standard Terms and Conditions

STANDARD TERMS AND CONDITIONS AND LIMITATIONS TO REPORTS

This Report is provided for the stated purpose and for the sole use of the Client in accordance with the Terms and Conditions of Appointment under which the services were performed. The Report is confidential to the Client and no other warranty, expressed or implied, is made as to the professional advice included in the Report or any other services provided by Wardell Armstrong LLP. This Report may not be disclosed by the Client nor relied upon by any other party without the prior and express written agreement of Wardell Armstrong LLP.

The conclusions and recommendations contained in this Report are based upon information provided by others including details supplied by the Client and/or professional advisors on the assumption that all relevant information from whom it has been requested and/or supplied is accurate. Information so provided and/or supplied has not been verified independently by Wardell Armstrong LLP, unless otherwise stated in the Report.

The methodology adopted and the sources of information used by Wardell Armstrong LLP in providing the services are outlined in this Report. The work described in this Report is based on the conditions and information as stated at the date the Report was completed. The scope of this Report and the services are accordingly limited by these circumstances. The findings outlined in the Report together with any opinions expressed and recommendations made are considered to be valid and appropriate at the time of preparation and for the specific purpose or purposes intended. Whilst a walk over site visit was carried out as part of the work this has been limited to observations only and no other physical investigations, sampling and testing work has been carried out as part of this work. The walkover survey does not constitute an asbestos survey and not all areas of the site may have been visited or made available for inspection.

Wardell Armstrong LLP disclaim any undertaking or obligation to advise any person of any change in any matter affecting the Report which may come or be brought to Wardell Armstrong LLP's attention after the date of the Report. Unless otherwise stated in this Report, the assessments made assume that the sites and facilities will continue to be used for their current purpose without significant changes.

Where any site observations have been carried out, these have been restricted to a level of detail required to meet the stated objectives of the services. The results from any site observations made may vary and further confirmatory work should be made after the issuance of this Report. Wardell Armstrong LLP does not guarantee or warrant any estimates or projections contained in this Report.

The opinions given in this report have been based on finite data and are relevant only to the purpose for which the report was commissioned.

It should be noted that any risks identified in a Phase 1 report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

The executive summary forms part of the overall report and should not be considered in isolation.

Appendix B

Groundsure Report

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

605544 , 137466

Order Details

Date: 17/12/2021

Your ref: Stonestreet_Updated_Boundary_2

Our Ref: GSWA1-8407209

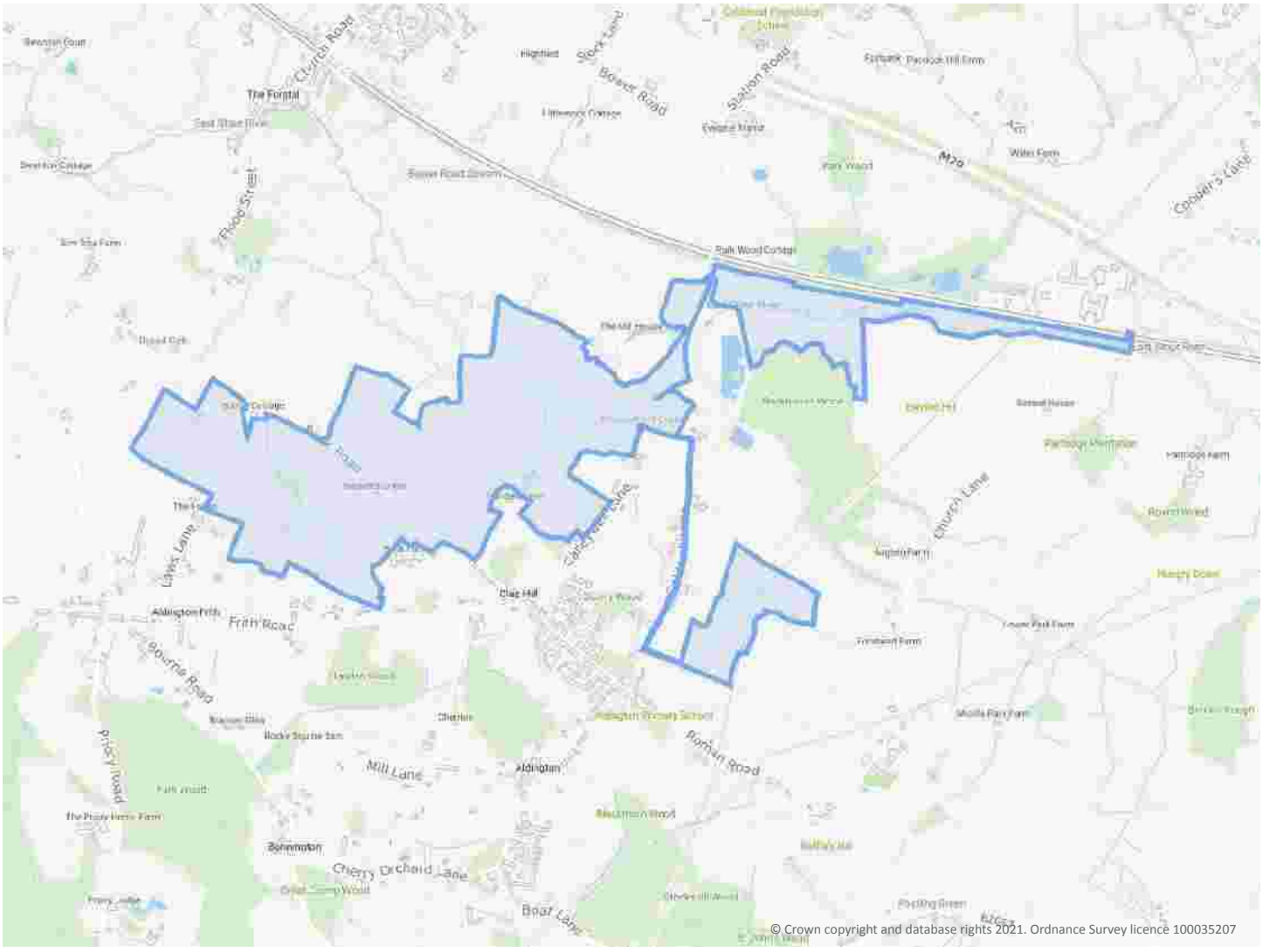
Client: Wardell Armstrong LLP

Site Details

Location: 605937 137711

Area: 191.71 ha

Authority: Ashford Borough Council



Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	4	30	34	18	-
17	1.2	Historical tanks	0	0	13	5	-
18	1.3	Historical energy features	2	0	0	3	-
18	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	0	0	0	0	-
19	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
20	2.1	Historical industrial land uses	4	42	40	26	-
25	2.2	Historical tanks	0	0	15	8	-
26	2.3	Historical energy features	3	0	0	5	-
26	2.4	Historical petrol stations	0	0	0	0	-
26	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
27	3.1	Active or recent landfill	0	0	0	0	-
27	3.2	Historical landfill (BGS records)	0	0	1	0	-
28	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
28	3.4	Historical landfill (EA/NRW records)	1	1	1	1	-
29	3.5	Historical waste sites	0	1	0	0	-
29	3.6	Licensed waste sites	0	0	3	0	-
30	3.7	Waste exemptions	1	55	72	8	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
43	4.1	Recent industrial land uses	3	5	30	-	-
46	4.2	Current or recent petrol stations	0	0	0	0	-
46	4.3	Electricity cables	0	16	5	1	-
48	4.4	Gas pipelines	0	0	0	0	-
48	4.5	Sites determined as Contaminated Land	0	0	0	0	-

48	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
48	4.7	Regulated explosive sites	0	0	0	0	-
48	4.8	Hazardous substance storage/usage	0	0	0	0	-
49	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
49	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
49	4.12	Radioactive Substance Authorisations	0	0	0	0	-
49	**4.13**	**Licensed Discharges to controlled waters**	0	12	10	1	-
53	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
54	4.15	Pollutant release to public sewer	0	0	0	0	-
54	4.16	List 1 Dangerous Substances	0	0	0	0	-
54	**4.17**	**List 2 Dangerous Substances**	0	0	1	0	-
54	**4.18**	**Pollution Incidents (EA/NRW)**	0	1	6	4	-
56	4.19	Pollution inventory substances	0	0	0	0	-
56	4.20	Pollution inventory waste transfers	0	0	0	0	-
56	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
57	**5.1**	**Superficial aquifer**	Identified (within 500m)				
59	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
62	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
70	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
71	5.5	Groundwater vulnerability- local information	None (within 0m)				
72	**5.6**	**Groundwater abstractions**	0	0	4	0	0
73	5.7	Surface water abstractions	0	0	0	0	0
74	5.8	Potable abstractions	0	0	0	0	0
74	5.9	Source Protection Zones	0	0	0	0	-
74	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
75	**6.1**	**Water Network (OS MasterMap)**	53	51	71	-	-

89	6.2	Surface water features	1	20	36	-	-
89	6.3	WFD Surface water body catchments	2	-	-	-	-
90	6.4	WFD Surface water bodies	1	0	0	-	-
90	6.5	WFD Groundwater bodies	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
92	7.1	Risk of flooding from rivers and the sea	High (within 50m)				
93	7.2	Historical Flood Events	5	4	0	-	-
94	7.3	Flood Defences	1	1	0	-	-
94	7.4	Areas Benefiting from Flood Defences	4	15	12	-	-
95	7.5	Flood Storage Areas	1	0	0	-	-
97	7.6	Flood Zone 2	Identified (within 50m)				
98	7.7	Flood Zone 3	Identified (within 50m)				
Page	Section	Surface water flooding					
99	8.1	Surface water flooding	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
101	9.1	Groundwater flooding	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
102	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	1
103	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
103	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
103	10.4	Special Protection Areas (SPA)	0	0	0	0	0
103	10.5	National Nature Reserves (NNR)	0	0	0	0	0
104	10.6	Local Nature Reserves (LNR)	0	0	0	1	0
104	10.7	Designated Ancient Woodland	0	1	1	4	40
106	10.8	Biosphere Reserves	0	0	0	0	0
106	10.9	Forest Parks	0	0	0	0	0
106	10.10	Marine Conservation Zones	0	0	0	0	0
107	10.11	Green Belt	0	0	0	0	0
107	10.12	Proposed Ramsar sites	0	0	0	0	0

107	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
107	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
107	10.15	Nitrate Sensitive Areas	0	0	0	0	0
108	**10.16**	**Nitrate Vulnerable Zones**	1	0	1	0	2
109	**10.17**	**SSSI Impact Risk Zones**	5	-	-	-	-
111	**10.18**	**SSSI Units**	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
113	11.1	World Heritage Sites	0	0	0	-	-
114	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
114	11.3	National Parks	0	0	0	-	-
114	**11.4**	**Listed Buildings**	0	6	11	-	-
115	**11.5**	**Conservation Areas**	0	0	1	-	-
116	11.6	Scheduled Ancient Monuments	0	0	0	-	-
116	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
117	**12.1**	**Agricultural Land Classification**	Grade 2 (within 250m)				
118	12.2	Open Access Land	0	0	0	-	-
118	**12.3**	**Tree Felling Licences**	0	2	11	-	-
119	**12.4**	**Environmental Stewardship Schemes**	8	1	5	-	-
120	**12.5**	**Countryside Stewardship Schemes**	2	1	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
121	**13.1**	**Priority Habitat Inventory**	6	6	12	-	-
122	**13.2**	**Habitat Networks**	0	0	1	-	-
123	13.3	Open Mosaic Habitat	0	0	0	-	-
123	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
124	**14.1**	**10k Availability**	Identified (within 500m)				
125	14.2	Artificial and made ground (10k)	0	0	0	0	-
126	**14.3**	**Superficial geology (10k)**	1	0	0	2	-

127	14.4	Landslip (10k)	1	0	1	3	-
128	14.5	Bedrock geology (10k)	12	3	1	7	-
130	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
131	15.1	50k Availability	Identified (within 500m)				
132	15.2	Artificial and made ground (50k)	0	0	0	0	-
132	15.3	Artificial ground permeability (50k)	0	0	-	-	-
133	15.4	Superficial geology (50k)	1	0	0	1	-
134	15.5	Superficial permeability (50k)	Identified (within 50m)				
134	15.6	Landslip (50k)	1	0	1	3	-
134	15.7	Landslip permeability (50k)	Identified (within 50m)				
135	15.8	Bedrock geology (50k)	8	0	1	4	-
136	15.9	Bedrock permeability (50k)	Identified (within 50m)				
137	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
138	16.1	BGS Boreholes	11	56	45	-	-
Page	Section	Natural ground subsidence					
143	17.1	Shrink swell clays	Low (within 50m)				
145	17.2	Running sands	Low (within 50m)				
147	17.3	Compressible deposits	Moderate (within 50m)				
149	17.4	Collapsible deposits	Very low (within 50m)				
151	17.5	Landslides	Moderate (within 50m)				
153	17.6	Ground dissolution of soluble rocks	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
155	18.1	Natural cavities	0	0	1	1	-
156	18.2	BritPits	0	0	3	2	-
157	18.3	Surface ground workings	8	35	23	-	-
159	18.4	Underground workings	0	0	0	0	0
160	18.5	Historical Mineral Planning Areas	1	0	0	0	-

160	**18.6**	**Non-coal mining**	9	0	3	1	2
162	18.7	Mining cavities	0	0	0	0	0
162	18.8	JPB mining areas	None (within 0m)				
162	18.9	Coal mining	None (within 0m)				
162	18.10	Brine areas	None (within 0m)				
163	18.11	Gypsum areas	None (within 0m)				
163	18.12	Tin mining	None (within 0m)				
163	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
164	**19.1**	**Radon**	Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
165	**20.1**	**BGS Estimated Background Soil Chemistry**	83	23	-	-	-
171	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
171	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
172	21.1	Underground railways (London)	0	0	0	-	-
172	21.2	Underground railways (Non-London)	0	0	0	-	-
173	21.3	Railway tunnels	0	0	0	-	-
173	**21.4**	**Historical railway and tunnel features**	1	13	2	-	-
174	21.5	Royal Mail tunnels	0	0	0	-	-
174	21.6	Historical railways	0	0	0	-	-
174	**21.7**	**Railways**	6	10	2	-	-
175	21.8	Crossrail 1	0	0	0	0	-
175	21.9	Crossrail 2	0	0	0	0	-
175	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 21/08/2019

Site Area: 191.71ha

Recent site history - 2018 aerial photograph

Capture Date: 02/08/2018

Site Area: 191.71ha

Recent site history - 2012 aerial photograph

Capture Date: 27/05/2012

Site Area: 191.71ha

Recent site history - 2006 aerial photograph

Capture Date: 30/06/2006

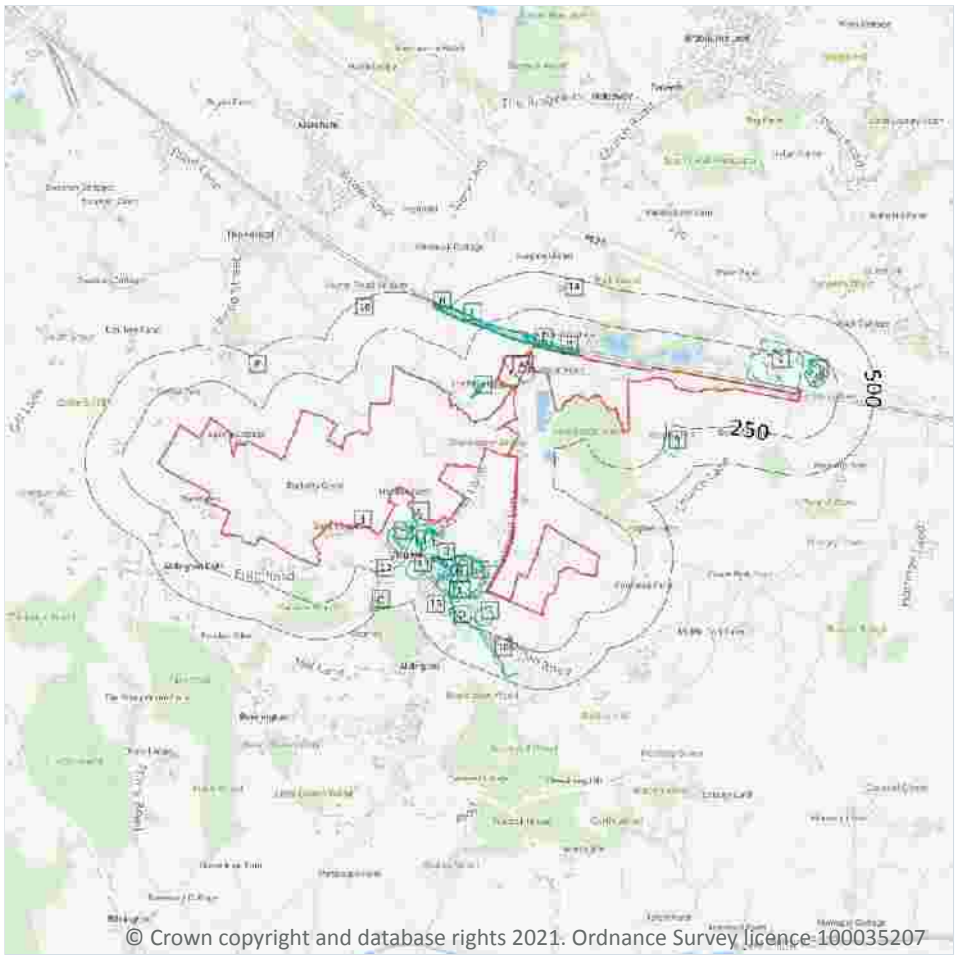
Site Area: 191.71ha

Recent site history - 1999 aerial photograph

Capture Date: 31/07/1999

Site Area: 191.71ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

1.1 Historical industrial land uses

Records within 500m	86

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Heap**	**1954**	**2351235**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Electric Substation**	**1988**	**2352152**
A	**On site**	**Electric Substation**	**1974**	**2357423**
B	**On site**	**Railway Sidings**	**1954**	**2360564**
C	1m SW	Unspecified Ground Workings	1906 - 1940	2353777
D	3m NW	Unspecified Disused Quarry	1988	2361161
B	5m N	Railway Sidings	1906 - 1940	2356943
2	5m N	Converter Station	1988	2346434
E	6m N	Cuttings	1954	2358398
E	8m N	Railway Station	1954	2357044
E	8m N	Cuttings	1974	2355762
E	8m N	Cuttings	1988	2356656
E	10m N	Cuttings	1871	2354906
C	10m SW	Unspecified Ground Workings	1954	2353860
B	12m N	Railway Sidings	1896 - 1906	2365187
E	12m N	Railway Station	1906 - 1940	2354832
E	12m N	Cuttings	1906	2358464
E	13m N	Cuttings	1906 - 1940	2358655
E	14m N	Railway Sidings	1906	2355483
E	14m N	Cuttings	1896	2358959
E	15m N	Railway Station	1896	2359340
F	18m NW	Cuttings	1906	2362059
F	18m NW	Cuttings	1906	2363080
F	21m NW	Cuttings	1954 - 1974	2361565
F	21m NW	Cuttings	1988	2362673
F	21m NW	Cuttings	1871	2355339
G	22m S	Unspecified Quarry	1954	2354792
E	37m N	Railway Station	1871	2350559
F	40m NW	Cuttings	1906 - 1940	2361870

ID	Location	Land use	Dates present	Group ID
F	40m NW	Cuttings	1896	2363327
H	43m SE	Unspecified Disused Quarry	1988	2363659
H	43m SE	Unspecified Disused Quarry	1974	2364345
G	43m SW	Unspecified Quarry	1940	2363246
D	43m NW	Unspecified Disused Quarry	1974	2355721
3	59m NW	Unspecified Quarry	1954	2362306
D	62m NW	Unspecified Disused Quarry	1940	2359716
I	69m NE	Sewage Treatment Works	1974	2354899
I	69m NE	Sewage Treatment Works	1988	2364203
J	75m S	Unspecified Ground Workings	1906	2356822
J	76m S	Unspecified Ground Workings	1906	2364243
J	76m S	Unspecified Old Quarry	1896	2349812
4	80m S	Unspecified Quarry	1871	2362921
5	96m S	Fire Station	1954	2347533
K	101m NE	Unspecified Mill	1906 - 1954	2355356
I	101m NE	Unspecified Tanks	1974	2352344
I	101m NE	Unspecified Tanks	1988	2354994
K	105m SW	Unspecified Mill	1988	2359371
K	105m SW	Unspecified Mill	1974	2362563
K	109m NE	Unspecified Mill	1896	2359480
I	115m NE	Filter Beds	1974	2353492
I	115m NE	Filter Beds	1988	2361310
I	124m NE	Unspecified Tanks	1988	2352110
I	124m NE	Unspecified Tanks	1974	2364768
K	140m SW	Mill	1906	2356818
K	147m NE	Corn Mill	1871	2350620
I	148m NE	Unspecified Tanks	1974	2353402
I	148m NE	Unspecified Tanks	1988	2360479

ID	Location	Land use	Dates present	Group ID
I	179m NE	Unspecified Tanks	1974	2349088
I	179m NE	Filter Beds	1988	2349474
L	194m W	Fire Station	1988	2364520
L	194m W	Fire Station	1974	2365369
6	195m SW	Smithy	1954	2348558
7	196m N	Unspecified Beds	1988	2346388
M	202m NW	Unspecified Depot	1988	2354653
M	202m NW	Unspecified Depot	1974	2364672
M	204m NW	Quarry	1906	2363004
M	205m NW	Unspecified Quarry	1896 - 1906	2365435
8	229m S	Unspecified Ground Workings	1906	2346846
9	251m E	Radio Station	1954	2347381
10	252m S	Unspecified Ground Workings	1906	2355398
O	256m SW	Smithy	1871	2364455
F	256m NW	Electric Substation	1988	2350608
M	257m S	Lime Kiln	1871	2350849
11	259m SW	Unspecified Ground Workings	1940	2346845
13	279m SE	Telephone Exchange	1954	2350966
O	281m SW	Smithy	1906 - 1940	2354991
O	300m SW	Smithy	1896 - 1906	2364729
M	314m W	Electric Substation	1988	2350603
P	422m NE	Unspecified Tank	1871	2347868
Q	436m SE	Unspecified Hole	1988	2356631
Q	436m SE	Unspecified Hole	1974	2359175
R	470m NE	Cuttings	1988	2352394
R	470m NE	Cuttings	1954 - 1974	2353226
R	477m NE	Cuttings	1906 - 1940	2359307
R	479m NE	Cuttings	1871 - 1896	2362166

ID	Location	Land use	Dates present	Group ID
R	479m NE	Cuttings	1906	2361210

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**18**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
I	97m NE	Tanks	1970 - 1993	423497
I	97m NE	Tanks	1988	425613
I	121m NE	Tanks	1993	421345
I	142m NE	Unspecified Tank	1970	425848
I	143m NE	Unspecified Tank	1986	423754
I	153m NE	Unspecified Tank	1970	424368
I	154m NE	Unspecified Tank	1986	425485
I	177m NE	Tanks	1970	421346
I	190m NE	Tanks	1970	425421
I	193m NE	Tanks	1986	423496
N	215m N	Tanks	1993	425599
N	218m N	Tanks	1988	424603
N	219m N	Tanks	1986	424890
12	265m S	Unspecified Tank	1971	421697
14	397m N	Tanks or Troughs	1871	423115
15	419m W	Tanks	1971 - 1993	424113
P	423m NE	Unspecified Tank	1871	421695

ID	Location	Land use	Dates present	Group ID
16	439m NW	Unspecified Tank	1907 - 1939	424739

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**5**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Electricity Substation**	**1993**	**301251**
A	**On site**	**Electricity Substation**	**1971**	**302909**
F	261m NW	Electricity Substation	1971	303009
F	263m NW	Electricity Substation	1993	301636
M	299m W	Electricity Substation	1974 - 1993	302338

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

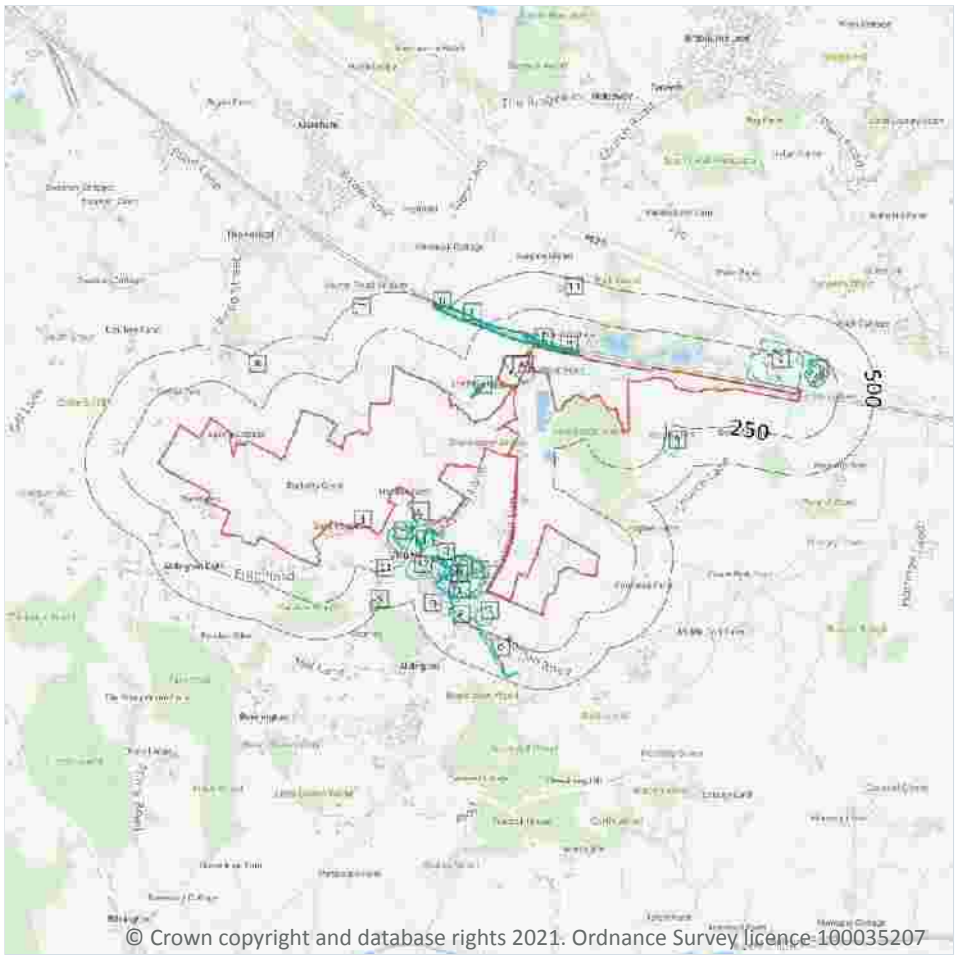
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

2.1 Historical industrial land uses

Records within 500m	112

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Heap**	**1954**	**2351235**
A	**On site**	**Electric Substation**	**1974**	**2357423**
A	**On site**	**Electric Substation**	**1988**	**2352152**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Railway Sidings**	**1954**	**2360564**
C	1m SW	Unspecified Ground Workings	1940	2353777
C	1m SW	Unspecified Ground Workings	1906	2353777
D	3m NW	Unspecified Disused Quarry	1988	2361161
C	4m SW	Unspecified Ground Workings	1906	2353777
C	4m SW	Unspecified Ground Workings	1906	2353777
B	5m N	Railway Sidings	1940	2356943
B	5m N	Railway Sidings	1906	2356943
2	5m N	Converter Station	1988	2346434
E	6m N	Cuttings	1954	2358398
E	8m N	Railway Station	1954	2357044
E	8m N	Cuttings	1974	2355762
E	8m N	Cuttings	1988	2356656
E	10m N	Cuttings	1871	2354906
C	10m SW	Unspecified Ground Workings	1954	2353860
B	12m N	Railway Sidings	1906	2365187
B	12m N	Railway Sidings	1906	2365187
E	12m N	Railway Station	1940	2354832
E	12m N	Railway Station	1906	2354832
E	12m N	Cuttings	1906	2358464
E	12m N	Cuttings	1906	2358464
E	13m N	Cuttings	1940	2358655
E	13m N	Cuttings	1906	2358655
B	13m N	Railway Sidings	1896	2365187
E	14m N	Railway Sidings	1906	2355483
E	14m N	Railway Sidings	1906	2355483
E	14m N	Cuttings	1896	2358959
E	15m N	Railway Station	1896	2359340

ID	Location	Land Use	Date	Group ID
F	18m NW	Cuttings	1906	2362059
F	18m NW	Cuttings	1906	2363080
F	21m NW	Cuttings	1974	2361565
F	21m NW	Cuttings	1988	2362673
F	21m NW	Cuttings	1954	2361565
F	21m NW	Cuttings	1871	2355339
G	22m S	Unspecified Quarry	1954	2354792
E	37m N	Railway Station	1871	2350559
F	40m NW	Cuttings	1940	2361870
F	40m NW	Cuttings	1906	2361870
F	40m NW	Cuttings	1896	2363327
H	43m SE	Unspecified Disused Quarry	1974	2364345
H	43m SE	Unspecified Disused Quarry	1988	2363659
G	43m SW	Unspecified Quarry	1940	2363246
D	43m NW	Unspecified Disused Quarry	1974	2355721
3	59m NW	Unspecified Quarry	1954	2362306
D	62m NW	Unspecified Disused Quarry	1940	2359716
I	69m NE	Sewage Treatment Works	1974	2354899
I	69m NE	Sewage Treatment Works	1988	2364203
J	75m S	Unspecified Ground Workings	1906	2356822
J	75m S	Unspecified Ground Workings	1906	2356822
J	76m S	Unspecified Ground Workings	1906	2364243
J	76m S	Unspecified Old Quarry	1896	2349812
4	80m S	Unspecified Quarry	1871	2362921
5	96m S	Fire Station	1954	2347533
K	101m NE	Unspecified Mill	1954	2355356
I	101m NE	Unspecified Tanks	1974	2352344
I	101m NE	Unspecified Tanks	1988	2354994

ID	Location	Land Use	Date	Group ID
K	105m SW	Unspecified Mill	1974	2362563
K	105m SW	Unspecified Mill	1988	2359371
K	109m NE	Unspecified Mill	1896	2359480
K	114m NE	Unspecified Mill	1940	2355356
K	114m NE	Unspecified Mill	1906	2355356
I	115m NE	Filter Beds	1974	2353492
I	115m NE	Filter Beds	1988	2361310
I	124m NE	Unspecified Tanks	1974	2364768
I	124m NE	Unspecified Tanks	1988	2352110
K	140m SW	Mill	1906	2356818
K	140m SW	Mill	1906	2356818
K	147m NE	Corn Mill	1871	2350620
I	148m NE	Unspecified Tanks	1974	2353402
I	148m NE	Unspecified Tanks	1988	2360479
I	179m NE	Unspecified Tanks	1974	2349088
I	179m NE	Filter Beds	1988	2349474
L	194m W	Fire Station	1974	2365369
L	194m W	Fire Station	1988	2364520
6	195m SW	Smithy	1954	2348558
7	196m N	Unspecified Beds	1988	2346388
M	202m NW	Unspecified Depot	1974	2364672
M	202m NW	Unspecified Depot	1988	2354653
M	204m NW	Quarry	1906	2363004
M	204m NW	Quarry	1906	2363004
M	205m NW	Unspecified Quarry	1906	2365435
8	229m S	Unspecified Ground Workings	1906	2346846
M	235m S	Unspecified Quarry	1896	2365435
9	251m E	Radio Station	1954	2347381

ID	Location	Land Use	Date	Group ID
O	252m S	Unspecified Ground Workings	1906	2355398
O	252m S	Unspecified Ground Workings	1906	2355398
P	256m SW	Smithy	1871	2364455
F	256m NW	Electric Substation	1988	2350608
M	257m S	Lime Kiln	1871	2350849
10	259m SW	Unspecified Ground Workings	1940	2346845
12	279m SE	Telephone Exchange	1954	2350966
P	281m SW	Smithy	1906	2354991
P	282m SW	Smithy	1940	2354991
P	300m SW	Smithy	1896	2364729
P	301m SW	Smithy	1906	2364729
P	301m SW	Smithy	1906	2364729
M	314m W	Electric Substation	1988	2350603
R	422m NE	Unspecified Tank	1871	2347868
S	436m SE	Unspecified Hole	1974	2359175
S	436m SE	Unspecified Hole	1988	2356631
U	470m NE	Cuttings	1974	2353226
U	470m NE	Cuttings	1988	2352394
U	470m NE	Cuttings	1954	2353226
U	477m NE	Cuttings	1940	2359307
U	477m NE	Cuttings	1906	2359307
U	479m NE	Cuttings	1871	2362166
U	479m NE	Cuttings	1906	2361210
U	479m NE	Cuttings	1906	2361210
U	480m NE	Cuttings	1896	2362166

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	23

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
I	97m NE	Tanks	1993	423497
I	97m NE	Tanks	1970	423497
I	97m NE	Tanks	1988	425613
I	99m NE	Tanks	1986	423497
I	121m NE	Tanks	1993	421345
I	142m NE	Unspecified Tank	1970	425848
I	143m NE	Unspecified Tank	1986	423754
I	153m NE	Unspecified Tank	1970	424368
I	154m NE	Unspecified Tank	1986	425485
I	177m NE	Tanks	1970	421346
I	190m NE	Tanks	1970	425421
I	193m NE	Tanks	1986	423496
N	215m N	Tanks	1993	425599
N	218m N	Tanks	1988	424603
N	219m N	Tanks	1986	424890
11	265m S	Unspecified Tank	1971	421697
13	397m N	Tanks or Troughs	1871	423115
Q	419m W	Tanks	1974	424113
Q	419m W	Tanks	1971	424113
Q	420m W	Tanks	1993	424113
R	423m NE	Unspecified Tank	1871	421695
T	439m NW	Unspecified Tank	1907	424739
T	439m NW	Unspecified Tank	1939	424739

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	8

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Electricity Substation**	**1971**	**302909**
A	**On site**	**Electricity Substation**	**1993**	**301251**
A	**On site**	**Electricity Substation**	**1993**	**301251**
F	261m NW	Electricity Substation	1971	303009
F	263m NW	Electricity Substation	1993	301636
F	263m NW	Electricity Substation	1993	301636
M	299m W	Electricity Substation	1993	302338
M	301m W	Electricity Substation	1974	302338

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

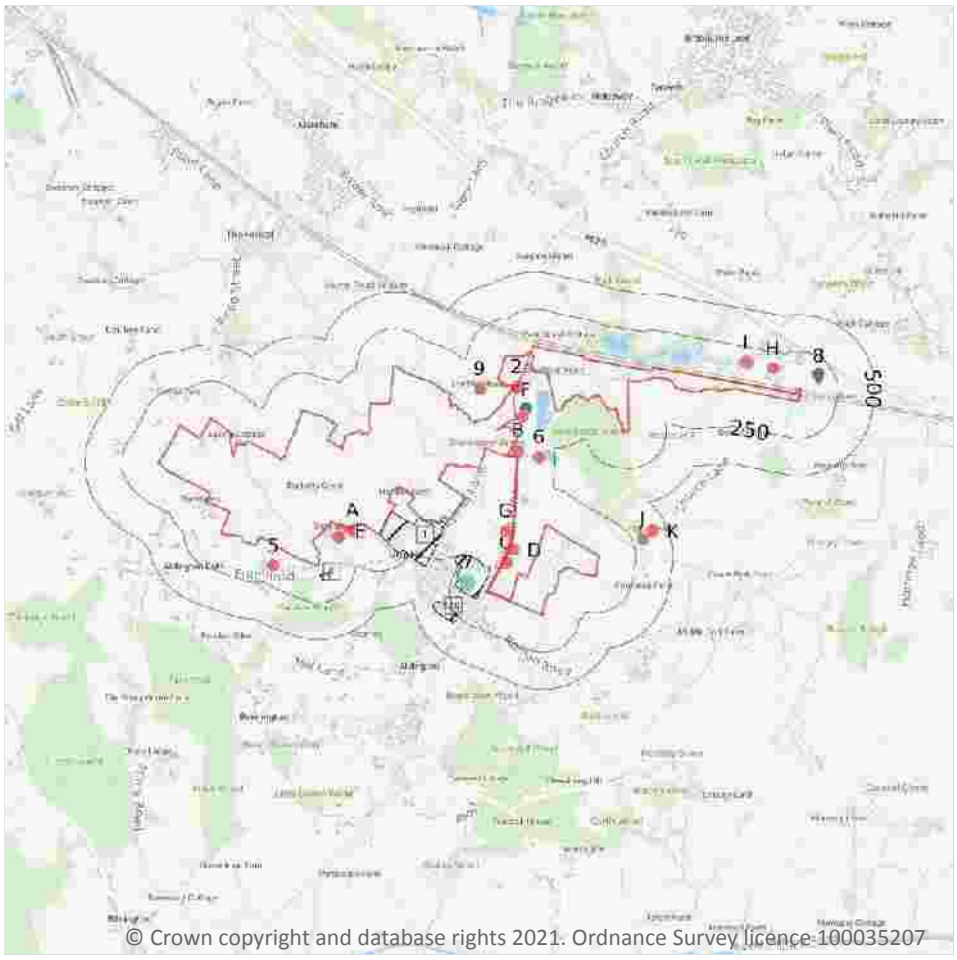
2.5 Historical garages

Records within 500m	0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical landfill (BGS)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	1

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Address	BGS Number	Risk	Waste Type
7	143m NW	Aldington Quarry, Claphill, nr Ashford, Kent	81	Risk to minor aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	**0**

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	**4**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Details		
1	**On site**	**Site Address: Clap Hill, Aldington, Kent** **Licence Holder Address: -**	**Waste Licence: -** **Site Reference: AS30** **Waste Type: Inert, Commercial, Household** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: -** **Licence Surrender: -**	**Operator: Ashford Rural District Council** **Licence Holder: Mr Lee-Eard** **First Recorded -** **Last Recorded: 31/12/1974**
3	36m NW	Site Address: Aldington Quarry, Aldington, Kent Licence Holder Address: -	Waste Licence: - Site Reference: AS5 Waste Type: Inert, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: East Ashford Rural district Council Licence Holder: Ashford Rural District Council First Recorded - Last Recorded: 31/12/1974
4	64m S	Site Address: Howarth Mill Lane, Addlington, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: AS17 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

ID	Location	Details		
10	253m SW	Site Address: Aldington Earlsfield, Aldington, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: AS9 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m **1**

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Address	Further Details	Date
B	16m N	Site Address: Woodleas Farm,Goldwell Lane, Aldington, ASHFORD, Kent, TN25 7DX	Type of Site: Waste Transfer Station Planning application reference: 11/00276/AS Description: Scheme comprises change of use of a skip depot to a waste transfer depot with construction of a new building, provision of a portacabin and a weighbridge. Construction - steel cladding walls; steel cladding roof; black top surfacing, concrete paving, f cing site works. An application (ref: 11/00276/AS) for detailed planning permission was withdrawn from Ashford B.C. A detailed planning application has been withdrawn. Data source: Historic Planning Application Data Type: Point	-

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m **3**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Details		
F	72m E	Site Name: Woodleas Farm Site Address: Woodleas Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BUT028 EPR reference: EA/EPR/AB3500UG/A001 Operator: R H Butler Limited Waste Management licence No: 400645 Annual Tonnage: 75000	Issue Date: 08/10/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
F	72m E	Site Name: Woodleas Farm Site Address: Woodleas Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BUT028 EPR reference: EA/EPR/AB3500UG/A001 Operator: R H Butler Limited Waste Management licence No: 400645 Annual Tonnage: 75000	Issue Date: 08/10/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
8	147m NE	Site Name: Sellindge Wtw Site Address: Sellinge Wtw, Church Lane (off A20), Sellindge, Ashford, Kent, TN25 6DD Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SOU013 EPR reference: EA/EPR/PP3794HH/A001 Operator: Southern Water Services Limited Waste Management licence No: 19557 Annual Tonnage: 9100	Issue Date: 30/09/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	**136**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 27**

ID	Location	Site	Reference	Category	Sub-Category	Description
2	**On site**	**-**	**WEX216477**	**Using waste exemption**	**Not on a farm**	**Spreading waste on non-agricultural land to confer benefit**
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/RH0876KP/A001	Using waste exemption	Agricultural Waste Only	Pig and poultry ash
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/RH0876KP/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste in a biobed or biofilter
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
A	14m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
C	16m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Use of waste in construction
C	16m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	16m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
C	16m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
D	26m E	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
D	26m E	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
D	26m E	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
B	38m N	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX195900	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	38m N	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX196724	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	38m N	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX241216	Storing waste exemption	On a farm	Storage of waste in a secure place
B	38m N	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX241216	Using waste exemption	On a farm	Use of waste in construction
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738R U/A001	Using waste exemption	Agricultural Waste Only	Pig and poultry ash
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738R U/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738R U/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration

ID	Location	Site	Reference	Category	Sub-Category	Description
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste food
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste in a biobed or biofilter
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste derived biodiesel as fuel
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Non-Agricultural Waste Only	Physical treatment of waste edible oil and fat to produce biodiesel
E	40m SE	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts

ID	Location	Site	Reference	Category	Sub-Category	Description
F	45m E	Aldington Reservoir weed screen	WEX263423	Disposing of waste exemption	Not on a farm	Burning waste in the open
F	45m E	-	WEX123684	Disposing of waste exemption	Not on a farm	Burning waste in the open
G	47m W	-	WEX240654	Disposing of waste exemption	On a farm	Burning waste in the open
G	47m W	-	WEX240654	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
G	47m W	-	WEX240654	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
G	47m W	-	WEX240654	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
G	47m W	-	WEX240654	Using waste exemption	On a farm	Use of waste in construction
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Disposing of waste exemption	On a farm	Disposal by incineration
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste in the construction of entertainment or educational installations etc
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of waste in a secure place
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Incorporation of ash into soil
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of sludge
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Pig and poultry ash
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste for a specified purpose
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste in construction
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Recovery of scrap metal
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of waste in secure containers
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Treatment of waste food
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Treatment of kitchen waste in a wormery
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of waste in construction
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of waste for a specified purpose
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of mulch
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Incorporation of ash into soil
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Pig and poultry ash
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Screening and blending of waste
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Disposing of waste exemption	On a farm	Burning waste in the open
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Storing waste exemption	On a farm	Storage of sludge
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX257022	Using waste exemption	On a farm	Use of waste for a specified purpose
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Screening and blending of waste
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of waste in construction
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of mulch
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Pig and poultry ash
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Disposing of waste exemption	On a farm	Burning waste in the open
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Incorporation of ash into soil

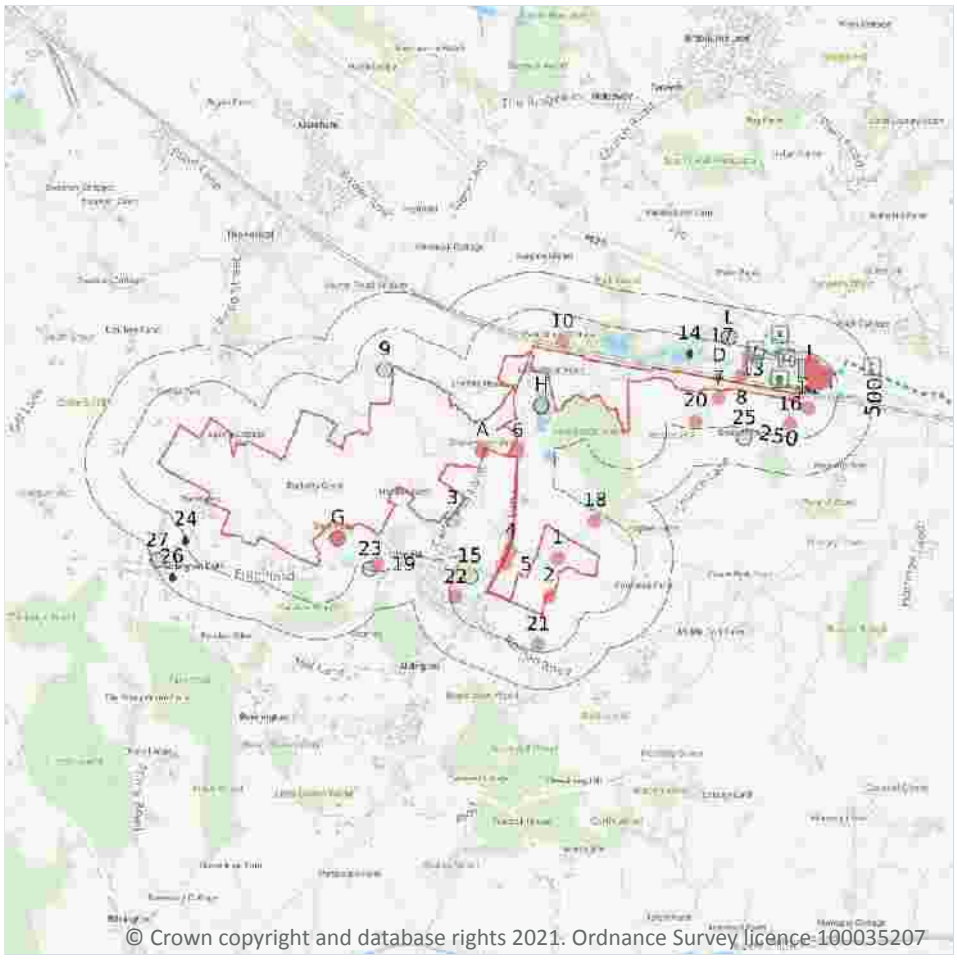
ID	Location	Site	Reference	Category	Sub-Category	Description
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of waste for a specified purpose
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Disposal by incineration
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Burning waste in the open
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Storing waste exemption	On a farm	Storage of waste in a secure place
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Storing waste exemption	On a farm	Storage of sludge
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Screening and blending of waste
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of waste in construction
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Incorporation of ash into soil
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Pig and poultry ash
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	81m S	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of waste for a specified purpose
5	129m SW	GOODWIN FARM, FRITH ROAD, ALDINGTON, ASHFORD, TN25 7DQ	WEX215329	Using waste exemption	On a Farm	Use of waste in construction
H	134m N	CHURCH LANE, SELLINDGE, ASHFORD, TN25 6AF	WEX158839	Using waste exemption	Not on a Farm	Use of waste in construction
H	134m N	Sellindge Substation, CHURCH LANE, SELLINDGE, ASHFORD, TN25 6AF	WEX075079	Treating waste exemption	Not on a farm	Screening and blending of waste
6	137m E	-	WEX278121	Using waste exemption	Not on a farm	Use of waste in construction
I	140m N	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/JF0603XK/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
I	144m N	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/PF0605FP/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
9	148m SW	Land lying to the south of the byre, Station Road, Smeeth, Ashford, Kent, TN25 6SY	WEX270455	Disposing of waste exemption	Not on a farm	Burning waste in the open
I	150m N	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/YF0905GV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
J	316m E	Hogben Farm Church Lane ASHFORD Kent TN25 7EH	EPR/XH0972HY/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
J	316m E	Hogben Farm Church Lane ASHFORD Kent TN25 7EH	EPR/XH0972HY/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Using waste exemption	On a Farm	Spreading of plant matter to confer benefit
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Disposing of waste exemption	On a Farm	Burning waste in the open
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Disposing of waste exemption	On a farm	Burning waste in the open
K	397m NE	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	38

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Pylon**	**Kent, TN25**	**Electrical Features**	**Infrastructure and Facilities**
A	**On site**	**Sewage Pumping Station**	**Kent, TN25**	**Waste Storage, Processing and Disposal**	**Infrastructure and Facilities**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Pumping Station**	**Kent, TN25**	**Water Pumping Stations**	**Industrial Features**
2	9m S	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
4	15m E	J & J Services	Goldwell Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX	Agricultural Contractors	Contract Services
5	16m SE	Resource Rail	Goldwell Court, Aldington, Ashford, Kent, TN25 7DX	Railway Companies and Information	Transport, Storage and Delivery
6	39m N	R H Butler Skip Plant Crusher Hire	Woodleas Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX	Waste Storage, Processing and Disposal	Infrastructure and Facilities
7	48m S	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
8	54m N	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
10	69m N	Mast (Telecommunication)	Kent, TN25	Telecommunications Features	Infrastructure and Facilities
11	76m SE	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities
G	81m S	J Wanstall Sons	Bank Farm, Bank Road, Aldington, Ashford, Kent, TN25 7DF	Fish, Meat and Poultry Products	Foodstuffs
G	81m S	P M Engineering Kent Ltd	Bank Farm, Bank Road, Aldington, Ashford, Kent, TN25 7DF	Industrial Engineers	Engineering Services
I	103m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	106m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
J	127m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	129m E	Works	Kent, TN25	Unspecified Works Or Factories	Industrial Features
I	129m E	Sewage Treatment Works	Kent, TN25	Waste Storage, Processing and Disposal	Infrastructure and Facilities
I	132m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	136m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
J	148m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
I	157m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	160m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
16	164m S	Partridge Farm - Solar Photovoltaics (DECC)	Church Lane, Aldington, Kent, TN25	Energy Production	Industrial Features
I	166m E	Slurry Tank	Kent, TN25	Waste Storage, Processing and Disposal	Infrastructure and Facilities
J	173m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	182m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
J	184m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
I	188m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
17	191m N	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
I	193m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
18	194m NE	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
19	195m S	Pumping Station	Kent, TN25	Water Pumping Stations	Industrial Features
20	196m S	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
J	197m N	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
21	200m S	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
I	203m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
22	211m W	Aldington Fire Station	Aldington, Ashford, Kent, TN25 7DJ	Fire Brigade Stations	Central and Local Government

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	22

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Cable Set	Cable Route	Details	
B	1m N	BAKG8 - SELL8 1 CABLE 12 SECTION 01	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
B	2m N	BAKG8 - SELL8 1 CABLE 11 SECTION 01	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
B	2m N	BAKG8 - SELL8 2 CABLE 21 SECTION 01	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
B	3m N	BAKG8 - SELL8 2 CABLE 22 SECTION 01	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
C	5m N	BAKG8 - SELL8 1 CABLE 11 SECTION 02	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
C	6m N	BAKG8 - SELL8 1 CABLE 12 SECTION 02	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
C	6m N	BAKG8 - SELL8 2 CABLE 21 SECTION 02	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
C	7m N	BAKG8 - SELL8 2 CABLE 22 SECTION 02	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	11m N	BAKG8 - SELL8 3 CABLE 33 SECTION 01	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
C	11m N	BAKG8 - SELL8 3 CABLE 33 SECTION 02	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	11m N	BAKG8 - SELL8 3 CABLE 34 SECTION 01	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
C	11m N	BAKG8 - SELL8 3 CABLE 34 SECTION 02	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	12m N	BAKG8 - SELL8 4 CABLE 43 SECTION 01	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
C	12m N	BAKG8 - SELL8 4 CABLE 43 SECTION 02	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	12m N	BAKG8 - SELL8 4 CABLE 44 SECTION 01	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
C	12m N	BAKG8 - SELL8 4 CABLE 44 SECTION 02	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
F	55m N	DUNGENESS 1 400KV CABLE	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
F	64m N	DUNGENESS 2 400KV CABLE 1	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
12	98m N	BIPOLE 2 400KV CABLE	SELLINDGE 400KV S/S ICB ASSETS	Cable Make: - Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1986 Cable in tunnel? Not specified
13	127m N	BIPOLE 1 400KV CABLE	SELLINDGE 400KV S/S ICB ASSETS	Cable Make: - Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1986 Cable in tunnel? Not specified
K	233m N	CANTERBURY NORTH 2 400KV CABLE 1	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
K	265m N	CANTERBURY NORTH 1 400KV CABLE	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m	0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	23

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Address	Details	
D	24m N	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440, EAST KENT SITE OFFICES, CHURCH LANE SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 17/12/1999 Effective Date: 17/12/1999 Revocation Date: 20/06/2003
D	24m N	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440 EAST KENT SITE OFFICES, CHURCH LANE, SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/08/1999 Effective Date: 20/08/1999 Revocation Date: 17/12/1999
E	47m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 7 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 22/11/2013 Effective Date: 22/11/2013 Revocation Date: -
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 1 Receiving Water: EAST STOUR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/06/1985 Effective Date: 17/06/1985 Revocation Date: 08/11/1989
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 2 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/11/1989 Effective Date: 09/11/1989 Revocation Date: 08/01/2006
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 3 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/01/2006 Effective Date: 09/01/2006 Revocation Date: 17/04/2006

ID	Location	Address	Details	
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 4 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/04/2006 Effective Date: 18/04/2006 Revocation Date: 31/03/2009
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 4 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/04/2006 Effective Date: 18/04/2006 Revocation Date: 31/03/2009
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 5 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 21/12/2012
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 5 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 21/12/2012
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 6 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/03/2010 Effective Date: 22/12/2012 Revocation Date: 21/11/2013
E	49m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 6 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/03/2010 Effective Date: 22/12/2012 Revocation Date: 21/11/2013

ID	Location	Address	Details	
E	57m E	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 7 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 22/11/2013 Effective Date: 22/11/2013 Revocation Date: -
J	102m NE	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 1 Receiving Water: EAST STOUR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/06/1985 Effective Date: 17/06/1985 Revocation Date: 08/11/1989
J	102m NE	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 2 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/11/1989 Effective Date: 09/11/1989 Revocation Date: 08/01/2006
J	102m NE	SELLINDGE WWTW, SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6DD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 3 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/01/2006 Effective Date: 09/01/2006 Revocation Date: 17/04/2006
14	136m N	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440 EAST KENT SITE OFFICES, CHURCH LANE, SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/08/1999 Effective Date: 20/08/1999 Revocation Date: 17/12/1999
J	148m N	C.E.G.B.CONVERTER STATION, C.E.G.B.CONVERTER STATION, CHURCH LANE, SELLINDGE, ASHFORD KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: W02035 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/02/1984 Effective Date: 20/02/1984 Revocation Date: 26/07/1993

ID	Location	Address	Details	
J	148m N	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 1 Receiving Water: FRESHWATER STREAM OR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 26/07/1993 Effective Date: 26/07/1993 Revocation Date: 28/09/1999
J	148m N	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 2 Receiving Water: THE EAST STOUR	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 26/07/1993 Effective Date: 28/09/1999 Revocation Date: 25/10/2007
J	148m N	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 3 Receiving Water: THE EAST STOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 26/10/2007 Effective Date: 26/10/2007 Revocation Date: 13/11/2012
24	243m W	RED BARN FARM, LAWS LANE, MERSHAM, ASHFORD, KENT, TN25 7HG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3498RT Permit Version: 1 Receiving Water: DITCH TRIB OF MARSHLAND SEWER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 14/08/2017 Effective Date: 14/08/2017 Revocation Date: -
26	442m SW	ST CATHERINE, ST CATHERINE, FRITH ROAD, ALDINGTON, KENT, TN25 7HQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P03704 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 13/09/1991 Effective Date: 13/09/1991 Revocation Date: 31/03/1997

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	1

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Name	Status	Receiving Water	Authorised Substances
J	149m N	Sellindge Converter Station	Active	None	pH

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	11

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 43**

ID	Location	Details	
3	10m SE	Incident Date: 20/11/2002 Incident Identification: 122079 Pollutant: Organic Chemicals/Products Pollutant Description: Pesticides and Biocides	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
9	55m W	Incident Date: 12/08/2002 Incident Identification: 99497 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	85m S	Incident Date: 17/09/2002 Incident Identification: 108522 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	86m W	Incident Date: 21/08/2001 Incident Identification: 25796 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	86m W	Incident Date: 21/08/2001 Incident Identification: 25796 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
15	147m NW	Incident Date: 25/09/2002 Incident Identification: 110534 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
23	242m S	Incident Date: 06/11/2001 Incident Identification: 41450 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	288m N	Incident Date: 02/08/2008 Incident Identification: 610217 Pollutant: Sewage Materials Pollutant Description: Sludge	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
L	288m N	Incident Date: 02/08/2008 Incident Identification: 610217 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
25	313m S	Incident Date: 02/04/2003 Incident Identification: 148095 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
27	469m SW	Incident Date: 05/03/2001 Incident Identification: 8076 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

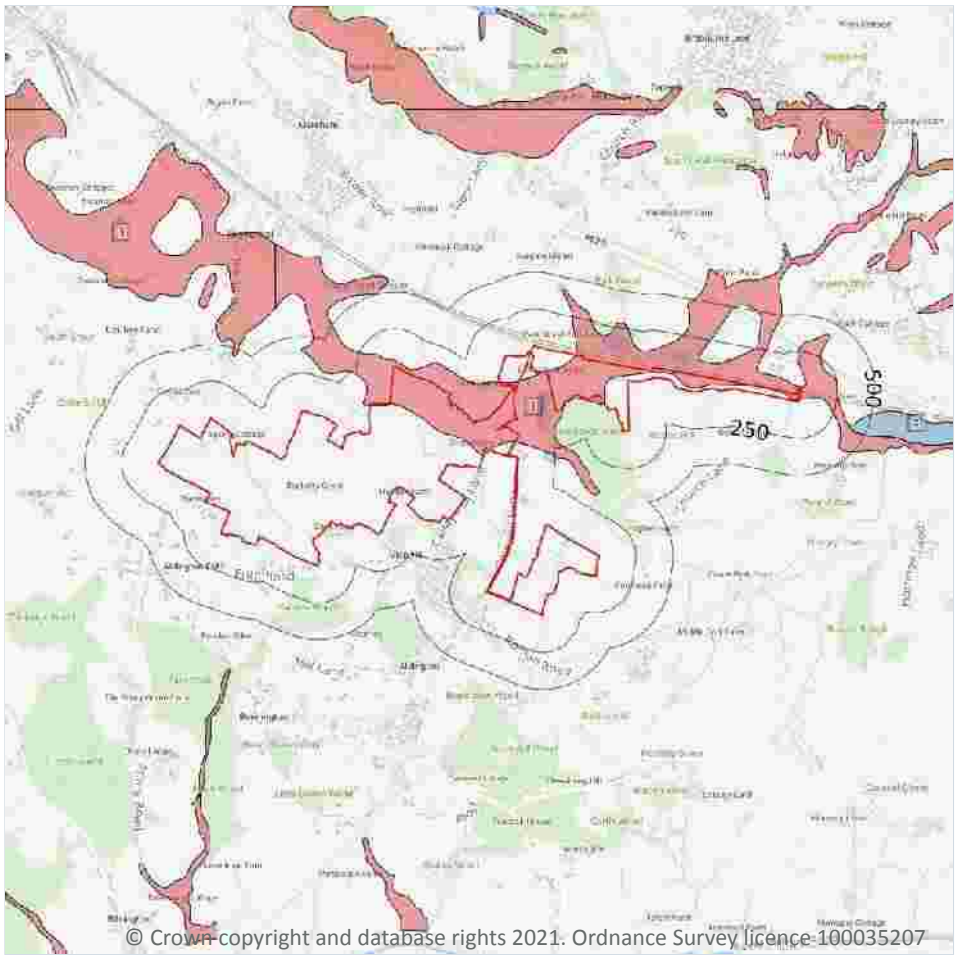
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	3

Aquifer status of groundwater held within superficial geology.

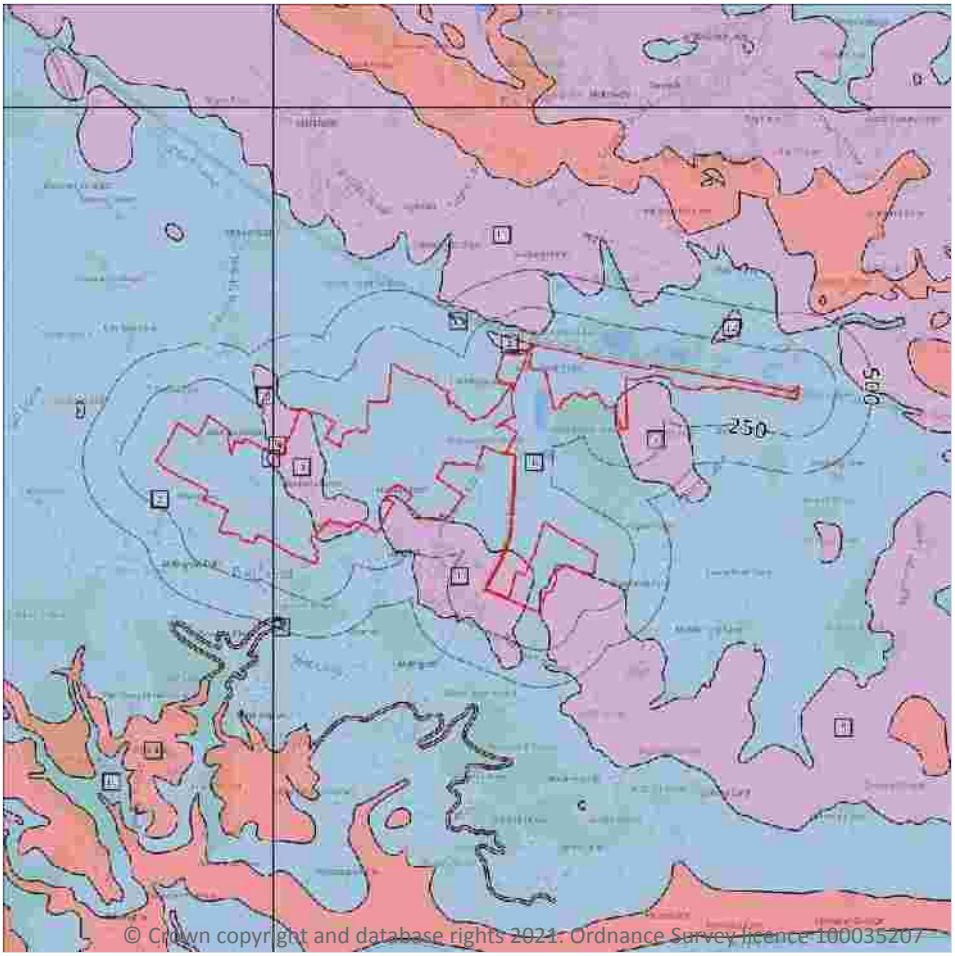
Features are displayed on the Hydrogeology map on **page 57**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	373m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	448m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	17

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 59**

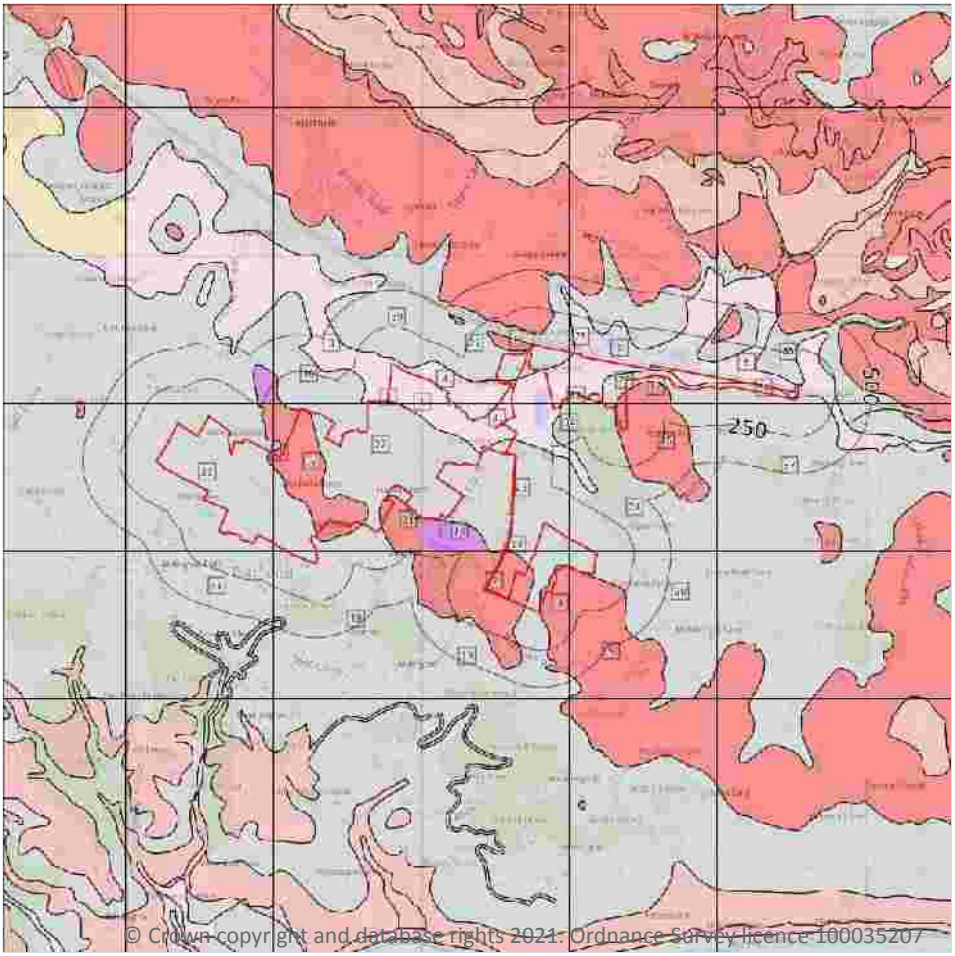
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
4	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
5	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
6	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
7	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
8	**On site**	**Principal**	**Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers**
9	15m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
10	64m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
11	66m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
12	222m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
13	343m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
A	425m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
14	444m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
A	446m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
15	463m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	41

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 62**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
6	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
7	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
8	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
9	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
10	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
12	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
13	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
14	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
15	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
17	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
18	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
19	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
20	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
21	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
22	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
23	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
24	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
25	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
26	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
27	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
28	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
29	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
30	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
31	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
32	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
33	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
34	4m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
35	13m N	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
36	14m NE	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
37	25m S	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
38	28m NW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
39	29m NE	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
40	34m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
41	43m SW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

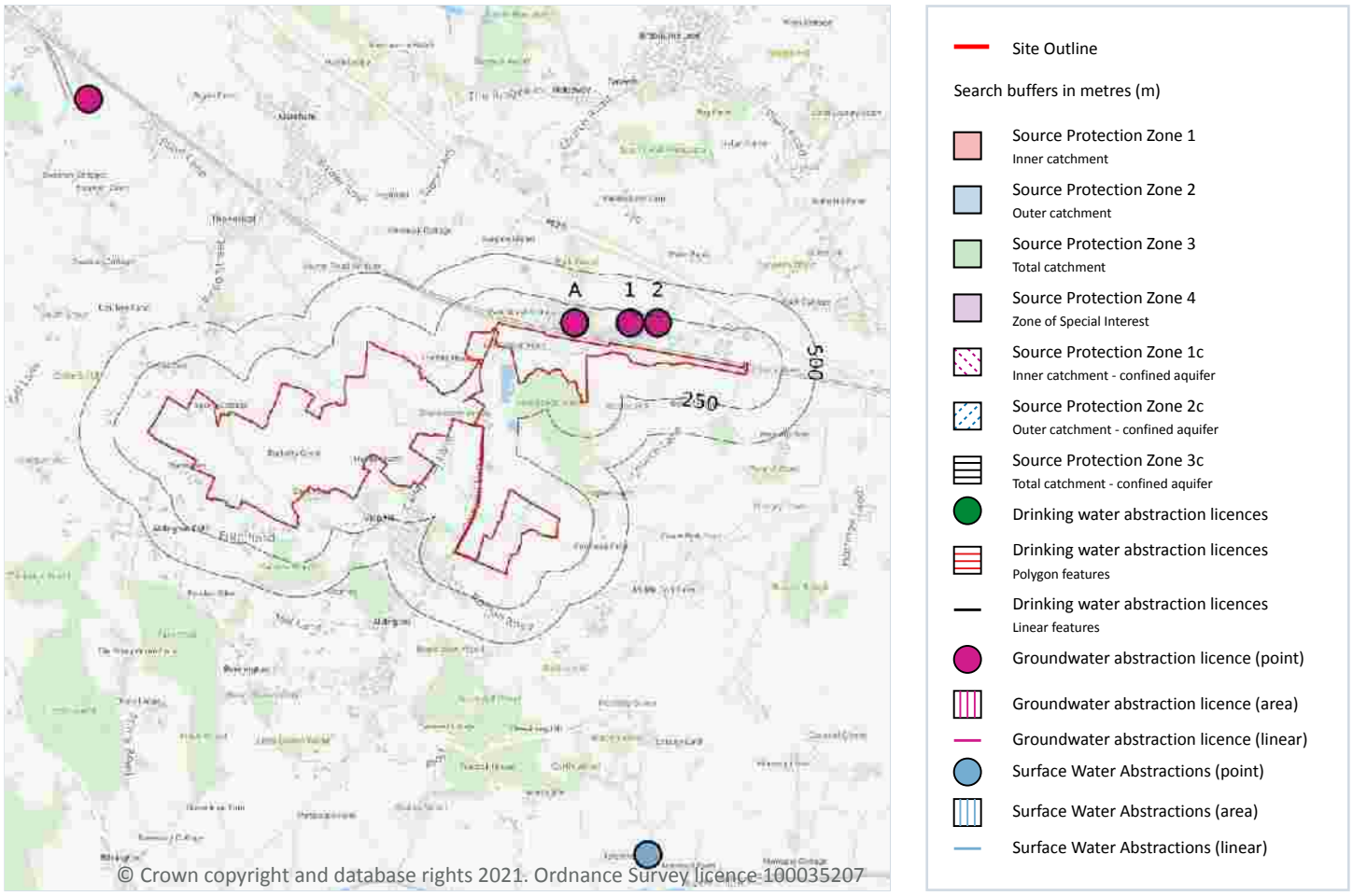
5.5 Groundwater vulnerability- local information

Records on site	0

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m	4

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 72**

ID	Location	Details	
A	122m N	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT D, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607300 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
A	122m N	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT C, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607300 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
1	168m N	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT B, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607700 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
2	203m N	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT A, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607900 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	**0**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

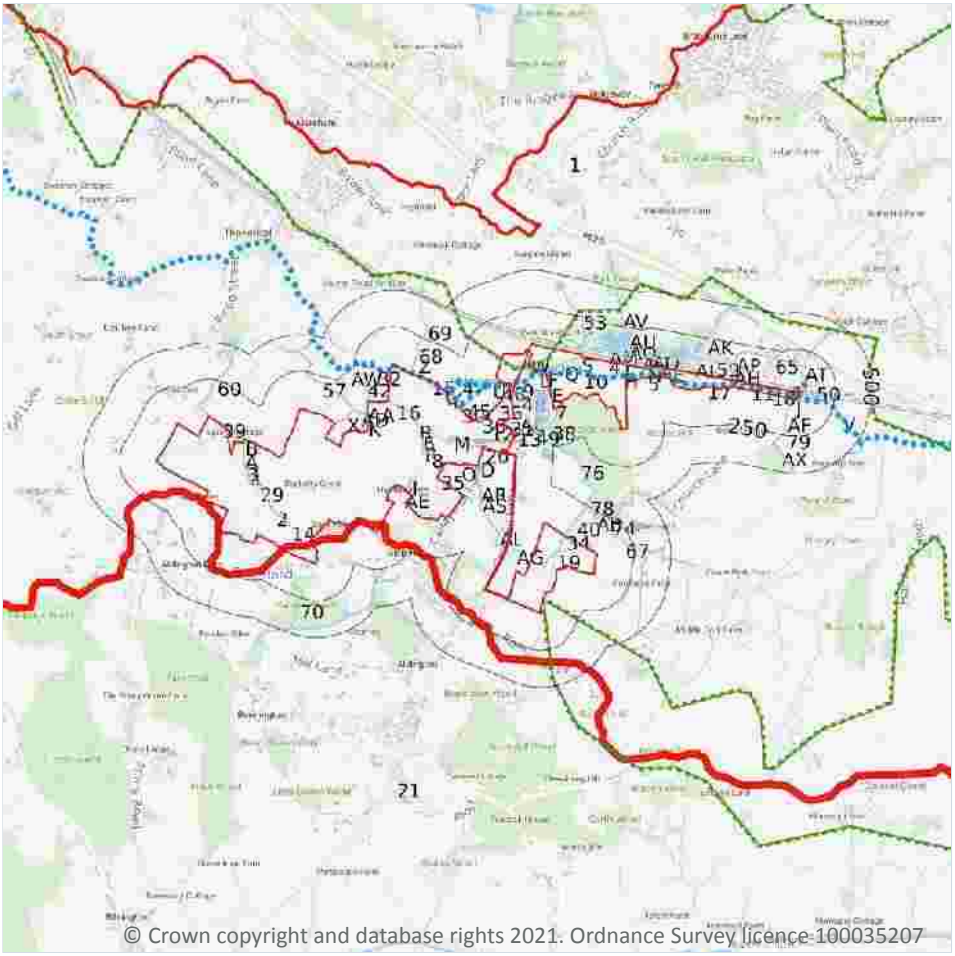
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	**175**

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 75**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**

ID	Location	Type of water feature	Ground level	Permanence	Name
3	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
8	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
10	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
11	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
12	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
15	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River

ID	Location	Type of water feature	Ground level	Permanence	Name
16	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
18	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
19	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
20	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
29	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
D	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
I	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
L	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
M	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
W	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
30	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
31	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
X	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
32	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
33	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
34	2m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
35	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
36	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	3m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
Y	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
38	3m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
C	4m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
39	6m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
C	6m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
40	7m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	7m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
41	7m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
S	7m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
42	7m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
43	7m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River

ID	Location	Type of water feature	Ground level	Permanence	Name
S	9m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
45	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
Y	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
J	18m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	19m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AE	23m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
J	24m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	30m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
47	30m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
J	30m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	30m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
J	32m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River

ID	Location	Type of water feature	Ground level	Permanence	Name
V	32m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AE	35m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	38m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	41m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	43m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	43m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	46m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	48m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
48	49m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	49m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	49m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	49m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	52m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AC	54m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
49	55m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	55m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	56m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
50	56m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	59m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	59m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AL	63m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	63m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	64m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	64m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	64m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	66m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AM	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	67m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	67m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AO	67m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	68m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	68m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	70m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	70m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AN	71m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	71m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	72m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	72m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
53	72m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	75m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	75m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	81m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	83m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	84m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
U	86m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AQ	94m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
57	95m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	95m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	98m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
59	99m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	99m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AH	99m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	100m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
60	102m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	109m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AR	116m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AS	128m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	133m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	133m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	135m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
U	137m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
65	146m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
U	147m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	149m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
67	167m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
68	174m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
69	176m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
70	182m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	202m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	202m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AT	203m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
74	206m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	207m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	213m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	213m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
76	219m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
78	232m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AW	238m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AT	238m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
79	240m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AW	242m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	244m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	57

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 75**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 75**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
21	**On site**	**River**	**Romney Marsh between Appledore and West Hythe**	**GB107040019700**	**Reading Cradlebridge and RMC**	**Rother**
L	**On site**	**River**	**East Stour**	**GB107040019640**	**Stour Upper**	**Stour**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	**2**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 75**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
T	**On site**	**River**	**East Stour**	**GB107040019640**	**Moderate**	**Fail**	**Moderate**	**2019**
-	2356m S	River	Romney Marsh between Appledore and West Hythe	GB107040019700	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	**1**

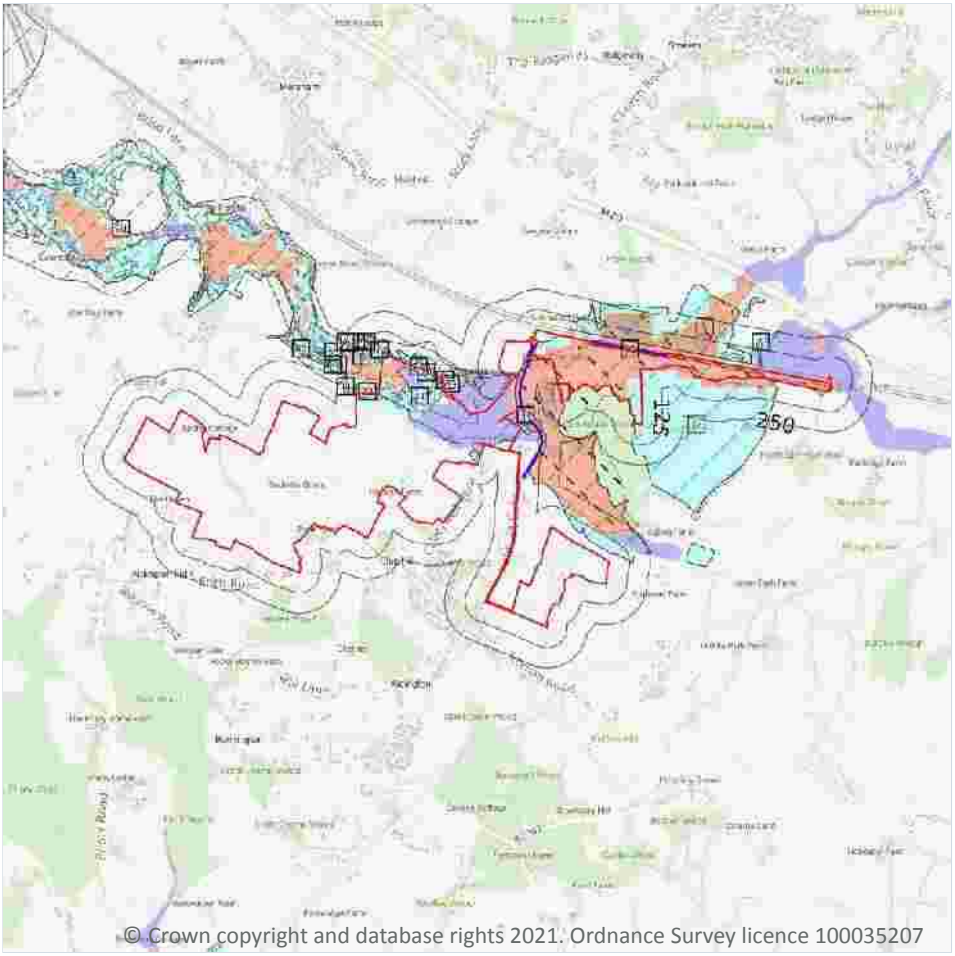
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 75**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Kent Greensand Eastern**	**GB40701G501400**	**Poor**	**Poor**	**Poor**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

High

Medium

Low

Very Low

Historical Flood Events

Areas Used for Flood Storage

Areas Benefiting from Flood Defences

Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	43

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 92**

Distance	Flood risk category
On site	**High**
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	**9**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 92**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
24	**On site**	**07311a300_Mar1974_Stour_Kingsnorth**	**1974-03-01 1974-03-01**	**Unknown**	**Unknown**	**Fluvial**
A	**On site**	**07309a200_Nov2000_Upper_Stour**	**2000-11-05 2000-11-08**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
A	**On site**	**07309a200feo_Upper_Stour**	**2001-02-11 2001-02-11**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
D	**On site**	**07309a200_Nov2000_Upper_Stour**	**2000-11-05 2000-11-08**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
D	**On site**	**07309a200feo_Upper_Stour**	**2001-02-11 2001-02-11**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
K	27m N	07309a200_Nov2000_Upper_Stour	2000-11-05 2000-11-08	Main river	Channel capacity exceeded (no raised defences)	Fluvial
K	27m N	07309a200feo_Upper_Stour	2001-02-11 2001-02-11	Main river	Channel capacity exceeded (no raised defences)	Fluvial
L	32m N	07309a200_Nov2000_Upper_Stour	2000-11-05 2000-11-08	Main river	Channel capacity exceeded (no raised defences)	Fluvial
L	32m N	07309a200feo_Upper_Stour	2001-02-11 2001-02-11	Main river	Channel capacity exceeded (no raised defences)	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	2

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on **page 92**

ID	Location	Update
23	**On site**	**01/09/2021**
31	11m E	01/09/2021

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	31

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 92**

ID	Location	
20	**On site**	**Area benefiting from flood defences**
21	**On site**	**Area benefiting from flood defences**
22	**On site**	**Area benefiting from flood defences**
C	**On site**	**Area benefiting from flood defences**
28	4m N	Area benefiting from flood defences
30	6m NE	Area benefiting from flood defences
F	6m W	Area benefiting from flood defences
J	8m N	Area benefiting from flood defences
C	8m N	Area benefiting from flood defences
G	8m NE	Area benefiting from flood defences
C	9m N	Area benefiting from flood defences
E	9m N	Area benefiting from flood defences

ID	Location	
J	10m NE	Area benefiting from flood defences
B	10m W	Area benefiting from flood defences
32	12m NW	Area benefiting from flood defences
34	20m NW	Area benefiting from flood defences
H	23m NE	Area benefiting from flood defences
35	28m E	Area benefiting from flood defences
I	37m NE	Area benefiting from flood defences
M	70m NW	Area benefiting from flood defences
M	89m NW	Area benefiting from flood defences
P	100m W	Area benefiting from flood defences
Q	109m NW	Area benefiting from flood defences
Q	147m NW	Area benefiting from flood defences
55	165m W	Area benefiting from flood defences
S	169m W	Area benefiting from flood defences
60	196m NW	Area benefiting from flood defences
62	201m W	Area benefiting from flood defences
63	212m NW	Area benefiting from flood defences
66	232m W	Area benefiting from flood defences
69	250m NW	Area benefiting from flood defences

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	**1**

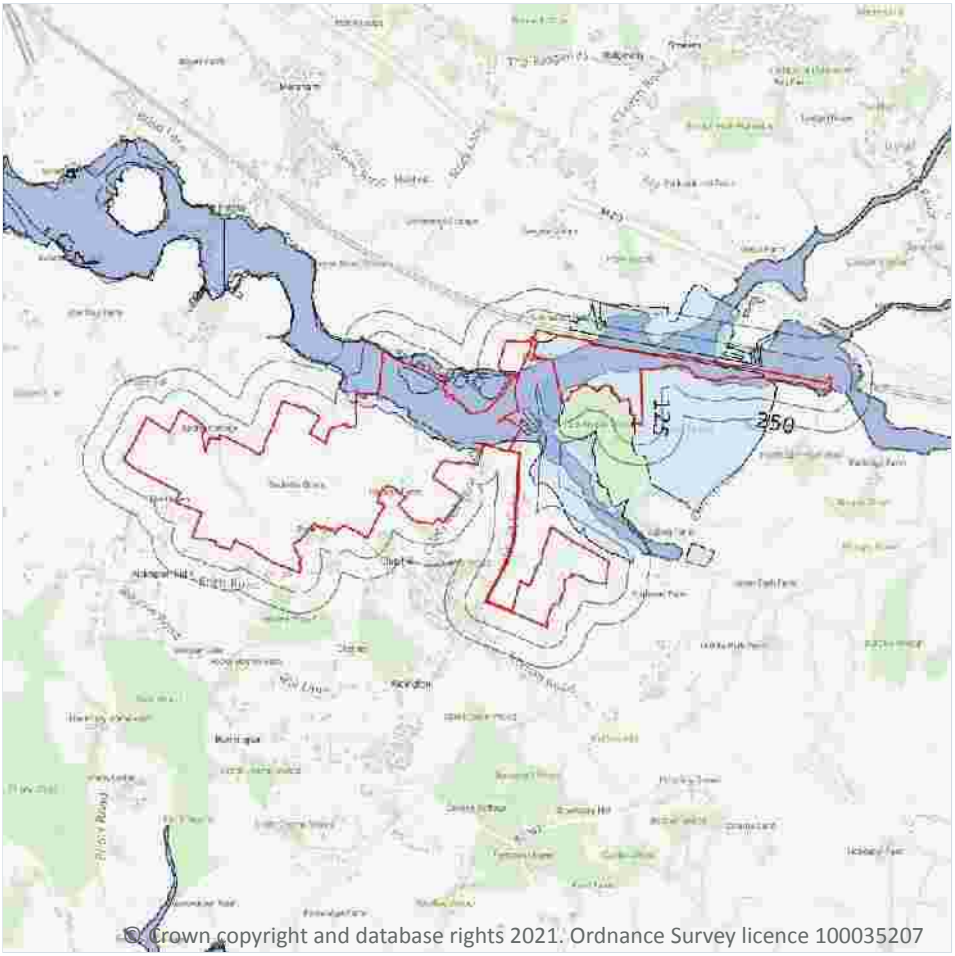
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

Features are displayed on the River and coastal flooding map on **page 92**

ID	Location	Update
1	**On site**	**Flood Storage Area**

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 92**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	1

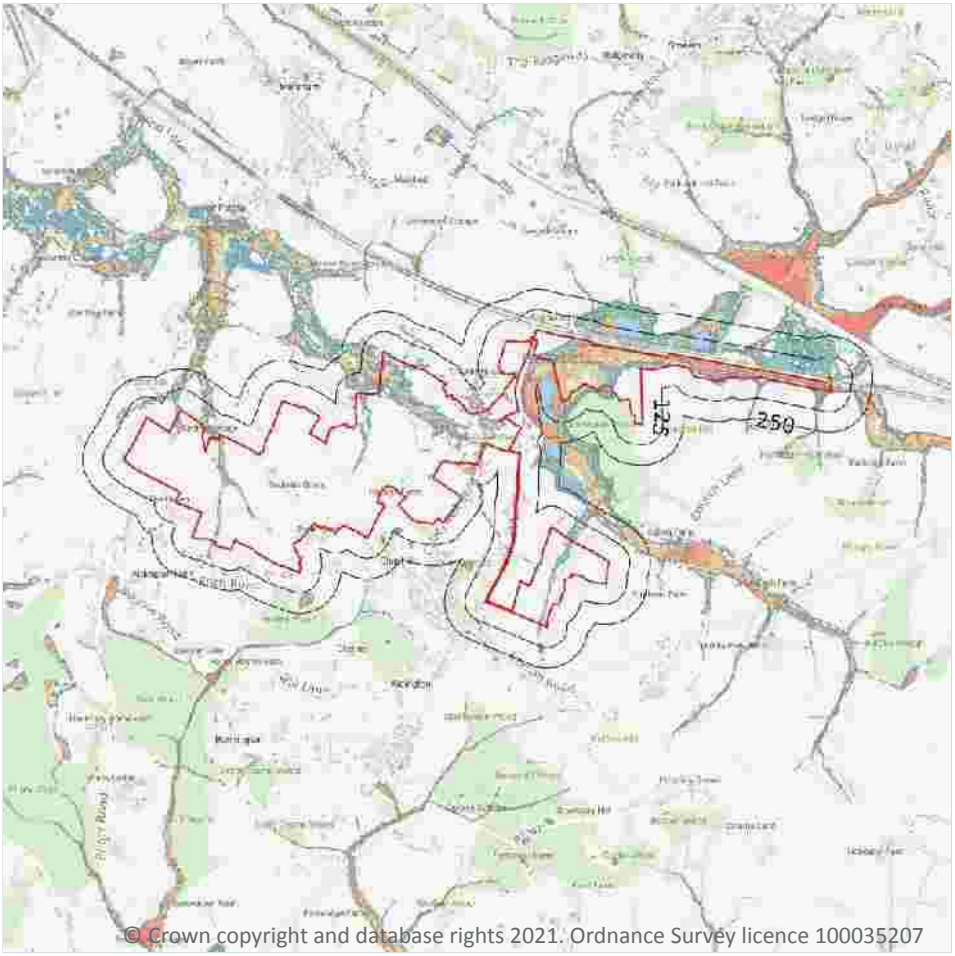
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 92**

Location	Type
On site	**Zone 3 - (Fluvial Models)**

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, Greater than 1.0m**
Highest risk within 50m	**1 in 30 year, Greater than 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 99**

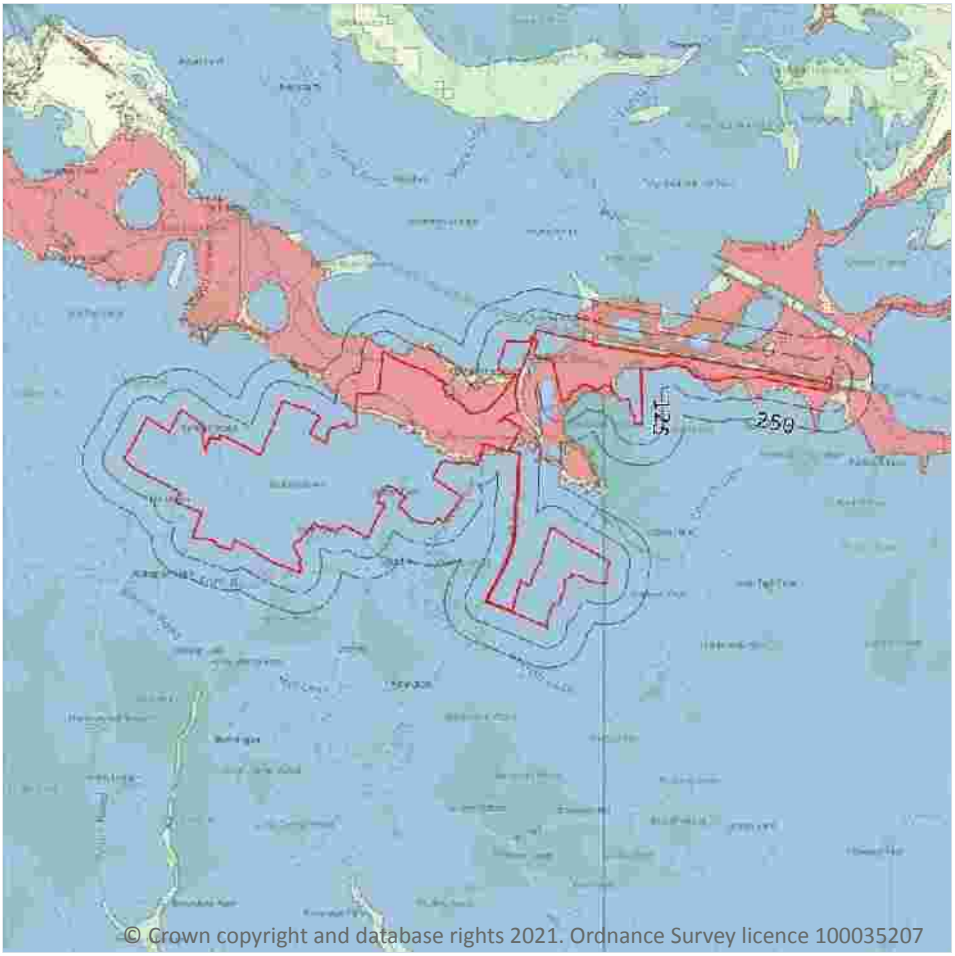
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

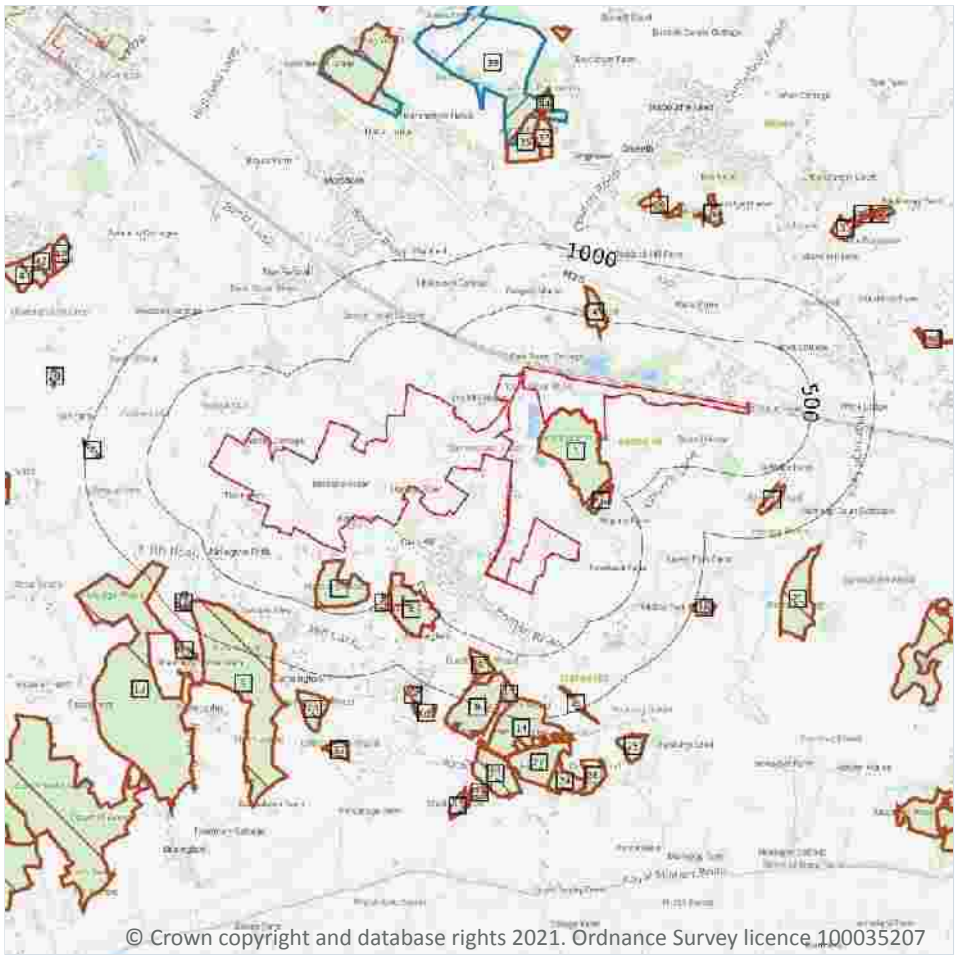
Highest risk on site	**High**
Highest risk within 50m	**High**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 101**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

National Nature Reserves (NNR)

Local Nature Reserves (LNR)

Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Data source
39	1789m N	Hatch Park	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Data source
A	471m SE	Poulton Wood, Aldington	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	46

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Woodland Type
1	0m SE	Unknown	Ancient Replanted Woodland
2	63m S	Unknown	Ancient Replanted Woodland
3	269m NE	Unknown	Ancient Replanted Woodland
A	380m S	Unknown	Ancient & Semi-Natural Woodland
4	395m N	Unknown	Ancient & Semi-Natural Woodland
5	469m SE	Unknown	Ancient & Semi-Natural Woodland
6	600m S	Unknown	Ancient & Semi-Natural Woodland
7	611m S	Unknown	Ancient & Semi-Natural Woodland
8	678m S	Unknown	Ancient & Semi-Natural Woodland
9	719m SW	Unknown	Ancient & Semi-Natural Woodland
10	723m S	Unknown	Ancient & Semi-Natural Woodland
11	779m S	Unknown	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
12	815m SW	Unknown	Ancient & Semi-Natural Woodland
13	840m SW	Unknown	Ancient & Semi-Natural Woodland
14	848m S	Unknown	Ancient & Semi-Natural Woodland
15	873m W	Unknown	Ancient & Semi-Natural Woodland
16	994m E	Unknown	Ancient & Semi-Natural Woodland
17	1039m SW	Unknown	Ancient & Semi-Natural Woodland
18	1128m S	Unknown	Ancient & Semi-Natural Woodland
19	1135m SW	Unknown	Ancient & Semi-Natural Woodland
20	1162m S	Unknown	Ancient & Semi-Natural Woodland
21	1200m SE	Unknown	Ancient & Semi-Natural Woodland
22	1203m S	Unknown	Ancient & Semi-Natural Woodland
23	1297m S	Unknown	Ancient & Semi-Natural Woodland
24	1323m S	Unknown	Ancient & Semi-Natural Woodland
25	1353m SE	Unknown	Ancient & Semi-Natural Woodland
26	1383m N	Unknown	Ancient Replanted Woodland
27	1387m N	Unknown	Ancient & Semi-Natural Woodland
28	1394m S	Unknown	Ancient & Semi-Natural Woodland
29	1406m NW	Unknown	Ancient & Semi-Natural Woodland
30	1453m NE	Unknown	Ancient & Semi-Natural Woodland
31	1508m NE	Unknown	Ancient & Semi-Natural Woodland
32	1520m S	Unknown	Ancient & Semi-Natural Woodland
33	1594m S	Unknown	Ancient & Semi-Natural Woodland
34	1607m W	Unknown	Ancient & Semi-Natural Woodland
35	1649m N	Unknown	Ancient & Semi-Natural Woodland
36	1655m S	Unknown	Ancient & Semi-Natural Woodland
37	1678m N	Unknown	Ancient Replanted Woodland
38	1707m NE	Unknown	Ancient & Semi-Natural Woodland
B	1722m NE	Unknown	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
B	1810m NE	Unknown	Ancient & Semi-Natural Woodland
-	1840m W	Unknown	Ancient & Semi-Natural Woodland
41	1870m NW	Unknown	Ancient & Semi-Natural Woodland
42	1889m NW	Unknown	Ancient & Semi-Natural Woodland
43	1893m NW	Unknown	Ancient & Semi-Natural Woodland
44	1978m N	Unknown	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or ‘classified’) under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was

closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

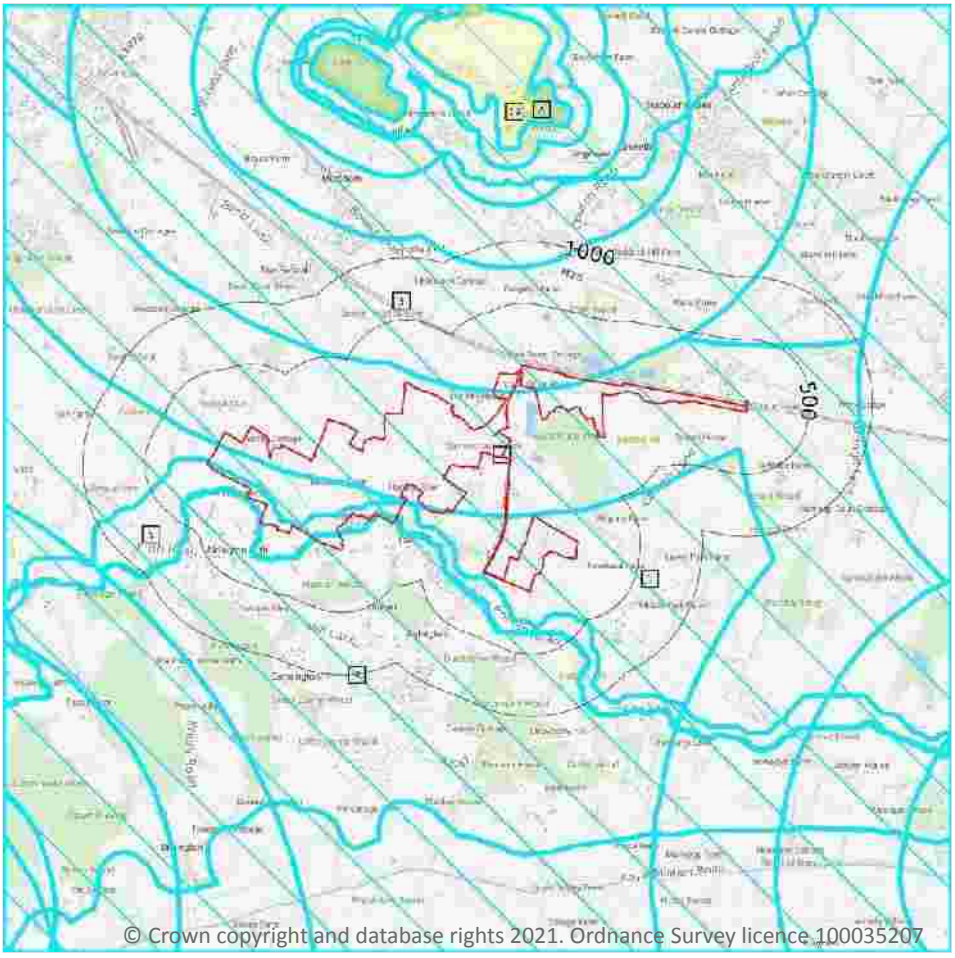
Records within 2000m	**4**

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**R. GREAT STOUR NVZ**	**Surface Water**	**S515**	**Existing**
218m NW	R. GREAT STOUR NVZ	Surface Water	S515	Existing
674m N	Maidstone	Groundwater	G64	Existing
722m SE	R. GREAT STOUR NVZ	Surface Water	S515	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

Not recorded

Favourable

Unfavourable - Recovering

Unfavourable - No change

Unfavourable - Declining

Partially destroyed

Destroyed

10.17 SSSI Impact Risk Zones

Records on site	5

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 109**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Notes: Stodmarsh nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpas to refer to natural england's july 2021 nutrient neutrality advice note.
2	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Notes: Stodmarsh nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpas to refer to natural england's july 2021 nutrient neutrality advice note.
3	On site	Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: Stodmarsh nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpas to refer to natural england's july 2021 nutrient neutrality advice note.
4	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.

ID	Location	Type of developments requiring consultation
5	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.** **Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.** **Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.** **Notes: Stodmarsh nutrient impact area. for new development with overnight accommodation reg 63 of the conservation of habitats and species regulations 2017 must be applied. lpas to refer to natural england's july 2021 nutrient neutrality advice note.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**2**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 109**

ID: 19
Location: 1789m N
SSSI name: Hatch Park
Unit name: S15. Barrack Wood West
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

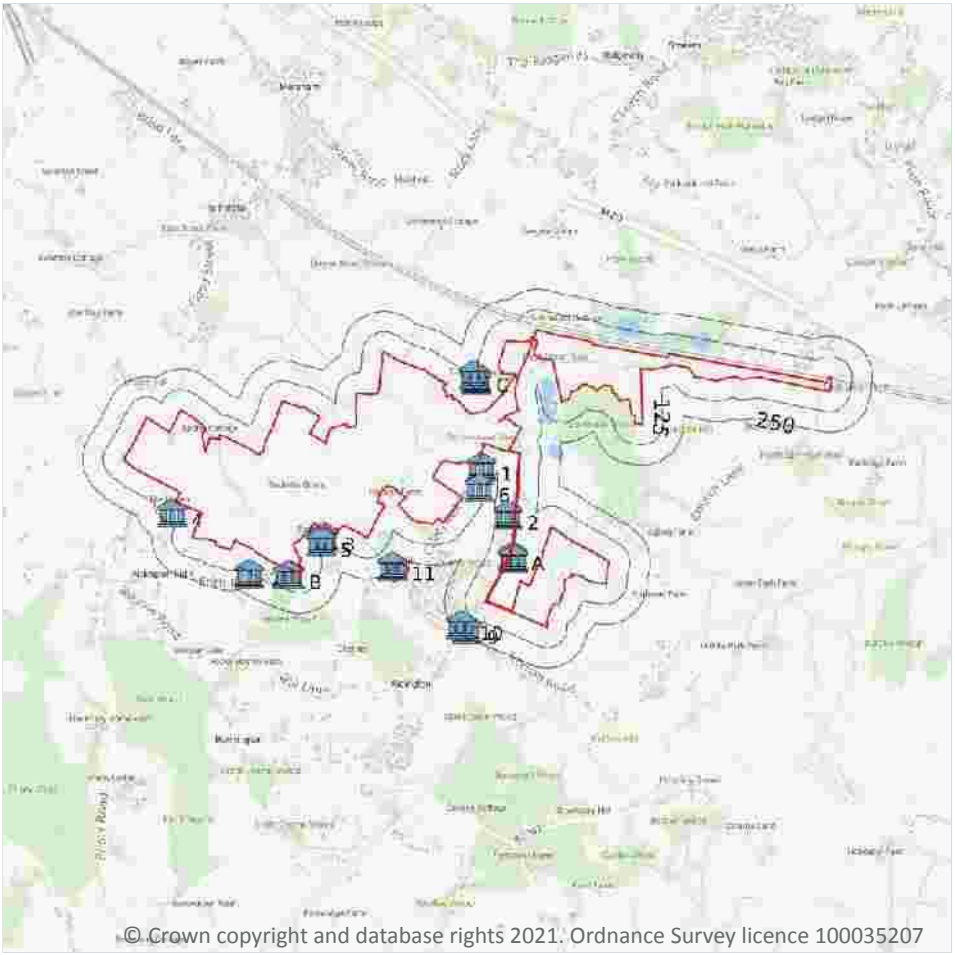
Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Not Recorded	01/01/1900
Invert. assemblage A212 bark and sapwood decay	Not Recorded	01/01/1900
Invert. assemblage A213 fungal fruiting body	Not Recorded	01/01/1900
Invert. assemblage W211 open water on disturbed sediments	Not Recorded	01/01/1900
Lichen assemblage	Not Recorded	01/01/1900
Lowland mixed deciduous woodland	Not Recorded	01/01/1900

ID: A
Location: 1993m N
SSSI name: Hatch Park
Unit name: S15. Barrack Wood East
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Not Recorded	01/01/1900
Invert. assemblage A212 bark and sapwood decay	Not Recorded	01/01/1900
Invert. assemblage A213 fungal fruiting body	Not Recorded	01/01/1900
Invert. assemblage W211 open water on disturbed sediments	Not Recorded	01/01/1900
Lichen assemblage	Not Recorded	01/01/1900
Lowland mixed deciduous woodland	Not Recorded	01/01/1900

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	17

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 113**

ID	Location	Name	Grade	Reference Number	Listed date
A	15m E	Stable/Outhouse About 10 Metres North Of Goldwell, Aldington, Ashford, Kent, TN25	II	1362780	10/08/1988
1	24m SE	The Old Cottage, Aldington, Ashford, Kent, TN25	II	1071249	14/04/1986
A	28m E	Goldwell, Aldington, Ashford, Kent, TN25	II	1184459	10/08/1988
B	32m S	Quested's Cottage, Aldington, Ashford, Kent, TN25	II	1184383	10/08/1988
B	37m S	Hand Pump About 5 Metres West Of Quested's Cottage, Aldington, Ashford, Kent, TN25	II	1071219	10/08/1988

ID	Location	Name	Grade	Reference Number	Listed date
2	42m W	Symnells And Walled Forecourt, Aldington, Ashford, Kent, TN25	II	1184484	13/10/1952
3	54m SE	Bank Farmhouse And Walls Attached, Aldington, Ashford, Kent, TN25	II	1362752	10/08/1988
4	67m S	Stonelees, Mersham, Ashford, Kent, TN25	II*	1233761	27/11/1957
5	81m S	Barn And 2 Stable Ranges Attached, About 20 Metres North Of Bank Farmhouse, Aldington, Ashford, Kent, TN25	II	1071248	10/08/1988
6	122m NE	Symnel Cottage, Aldington, Ashford, Kent, TN25	II	1362753	14/03/1986
7	129m SW	Goodwin Farmhouse, Aldington, Ashford, Kent, TN25	II	1300136	10/08/1988
C	146m SW	Evegate Millhouse, Smeeth, Ashford, Kent, TN25	II	1185369	10/08/1988
C	156m SW	Evegate Mill, Smeeth, Ashford, Kent, TN25	II	1071180	10/08/1988
C	160m W	Stable/Outbuilding About 20 Yards North West Of Evegate Mill House, Smeeth, Ashford, Kent, TN25	II	1185387	10/08/1988
9	200m SW	Belarica Cottage Beulah, Aldington, Ashford, Kent,BELARICA COTTAGE	II	1071226	10/08/1988
10	206m SW	Walnut Tree Inn, Aldington, Ashford, Kent, TN25	II	1300164	13/10/1952
11	234m SE	Clap Hill House Harold Cottages, Aldington, Ashford, Kent,CLAP HILL HOUSE	II	1071216	10/08/1988

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	**1**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 113**

ID	Location	Name	District	Date of designation
8	184m SE	Aldington - Clap Hill, Ashford	Ashford	11/07/1996

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

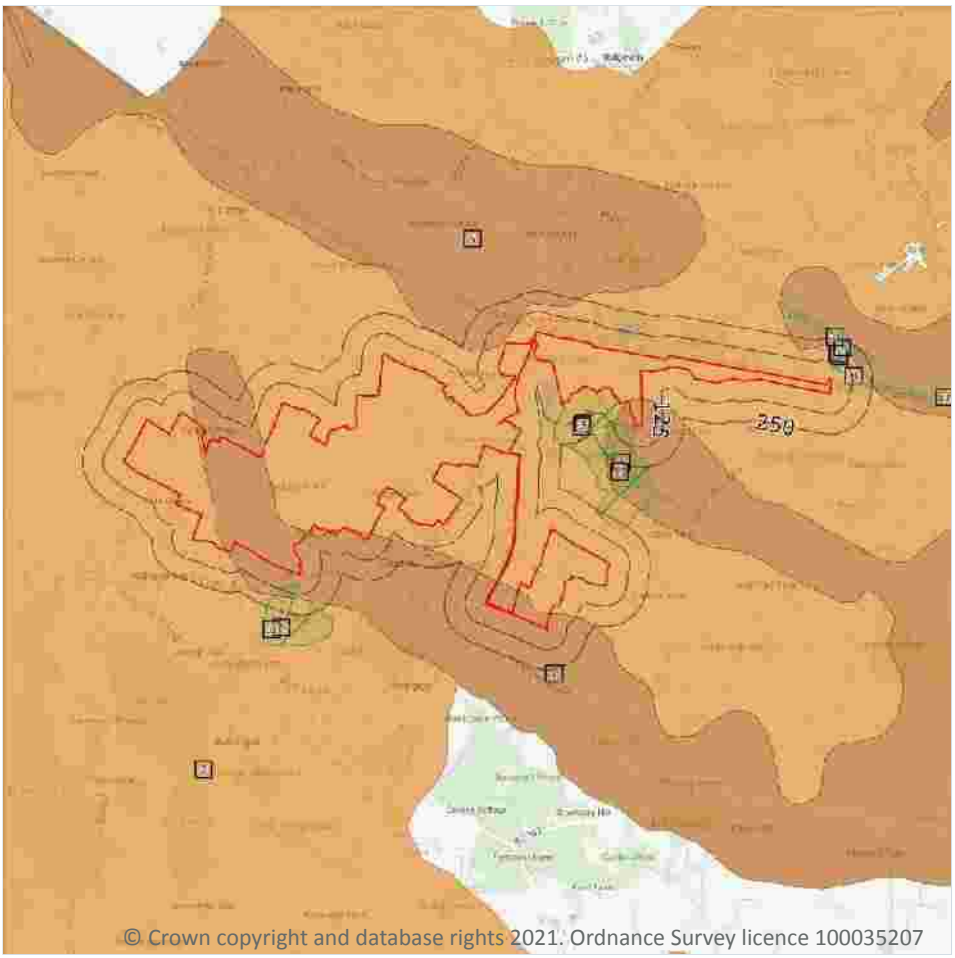
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 117**

ID	Location	Classification	Description
1	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
2	**On site**	**Grade 3**	**Good to moderate quality agricultural land. Land with moderate limitations which 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.**
5	23m NW	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	**0**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	**13**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 117**

ID	Location	Description	Reference	Application date
3	0m SE	Selective Fell/Thin (Unconditional)	019/585/17-18	01/01/1970
4	0m SE	Selective Fell/Thin (Conditional)	020/86/95-96	01/01/1970
A	63m S	Selective Fell/Thin (Conditional)	019/108/16-17	05/08/2016

ID	Location	Description	Reference	Application date
6	64m SW	Selective Fell/Thin (Conditional)	019/585/17-18	01/01/1970
7	67m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
8	70m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
9	118m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	136m S	Selective Fell/Thin (Unconditional)	019/497/15-16	11/05/2016
10	165m S	Selective Fell/Thin (Conditional)	019/13/98-99	01/01/1970
11	175m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	183m S	Selective Fell/Thin (Unconditional)	019/497/15-16	11/05/2016
13	204m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
14	206m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	**14**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00498849**	**Entry Level plus Higher Level Stewardship**	**01/10/2013**	**30/09/2023**
On site	**AG00498849**	**Entry Level plus Higher Level Stewardship**	**01/10/2013**	**30/09/2023**
48m E	AG00498849	Entry Level plus Higher Level Stewardship	01/10/2013	30/09/2023
62m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
63m SW	AG00424768	Entry Level plus Higher Level Stewardship	01/10/2012	30/09/2022

Location	Reference	Scheme	Start Date	End date
135m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
219m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
240m W	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

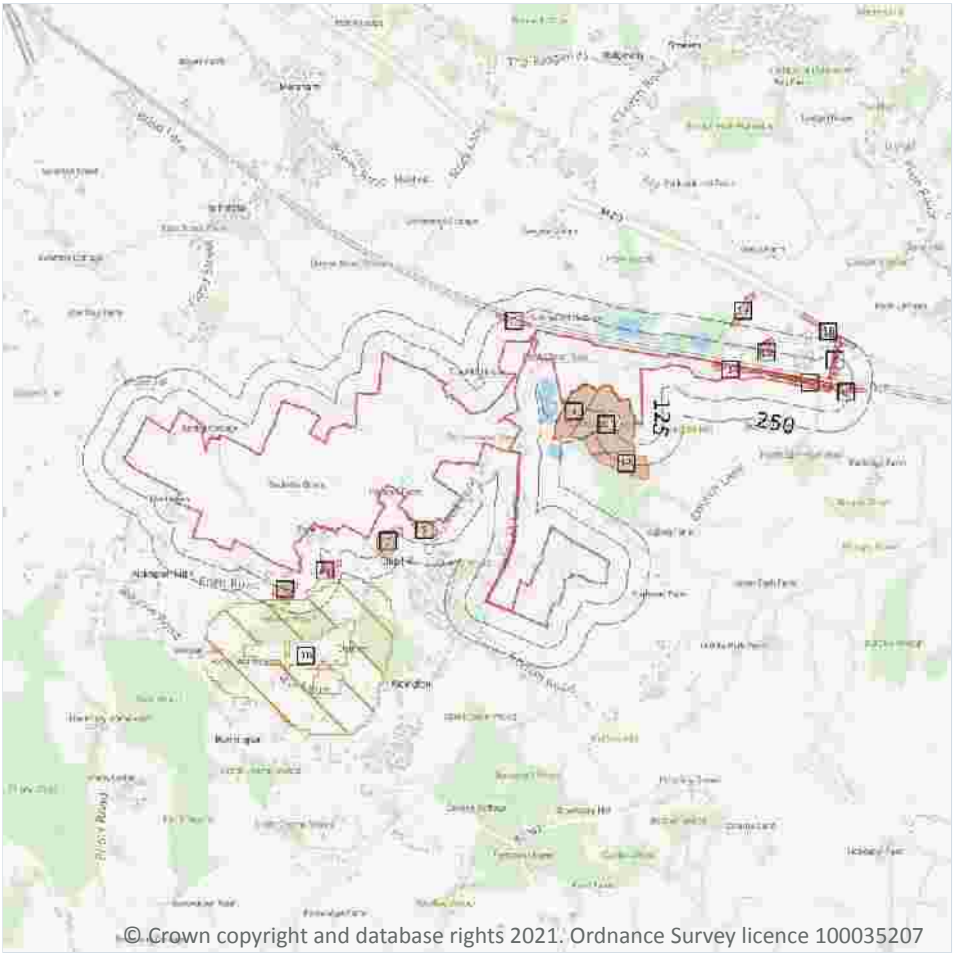
Records within 250m	**4**

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	**800931**	**Countryside Stewardship (Higher Tier)**	**01/01/2020**	**31/12/2024**
On site	**626086**	**Countryside Stewardship (Higher Tier)**	**01/01/2019**	**31/12/2023**
16m W	838465	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
142m SW	838465	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks
Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	24

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 121**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**No main habitat but additional habitats present**	**Additional: DWOOD (INV 50%)**
4	0m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	5m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	21m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	38m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	41m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	46m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	63m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	76m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	106m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	118m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	134m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	136m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	140m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	168m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	193m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	204m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	218m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	235m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**1**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 121**

ID	Location	Type	Habitat
16	144m SE	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

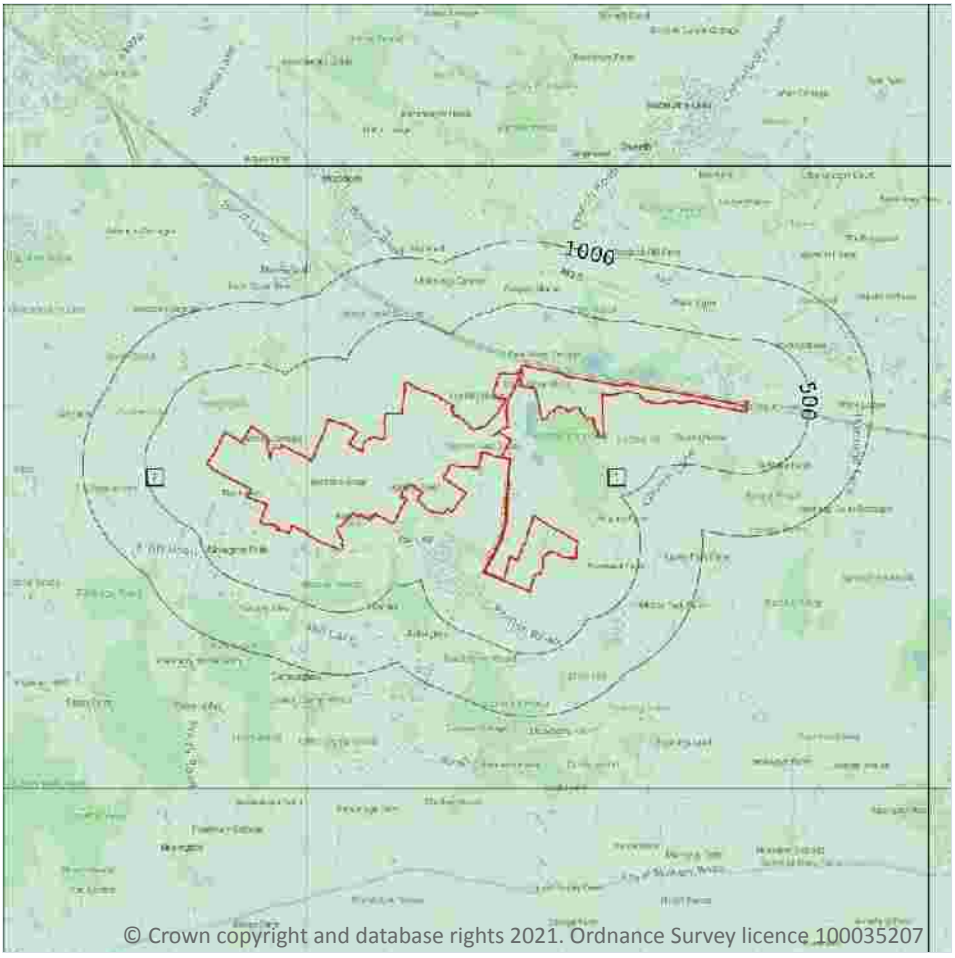
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 124**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**TR03NE**
2	**On site**	**No coverage**	**Full**	**Full**	**Full**	**TR03NW**

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

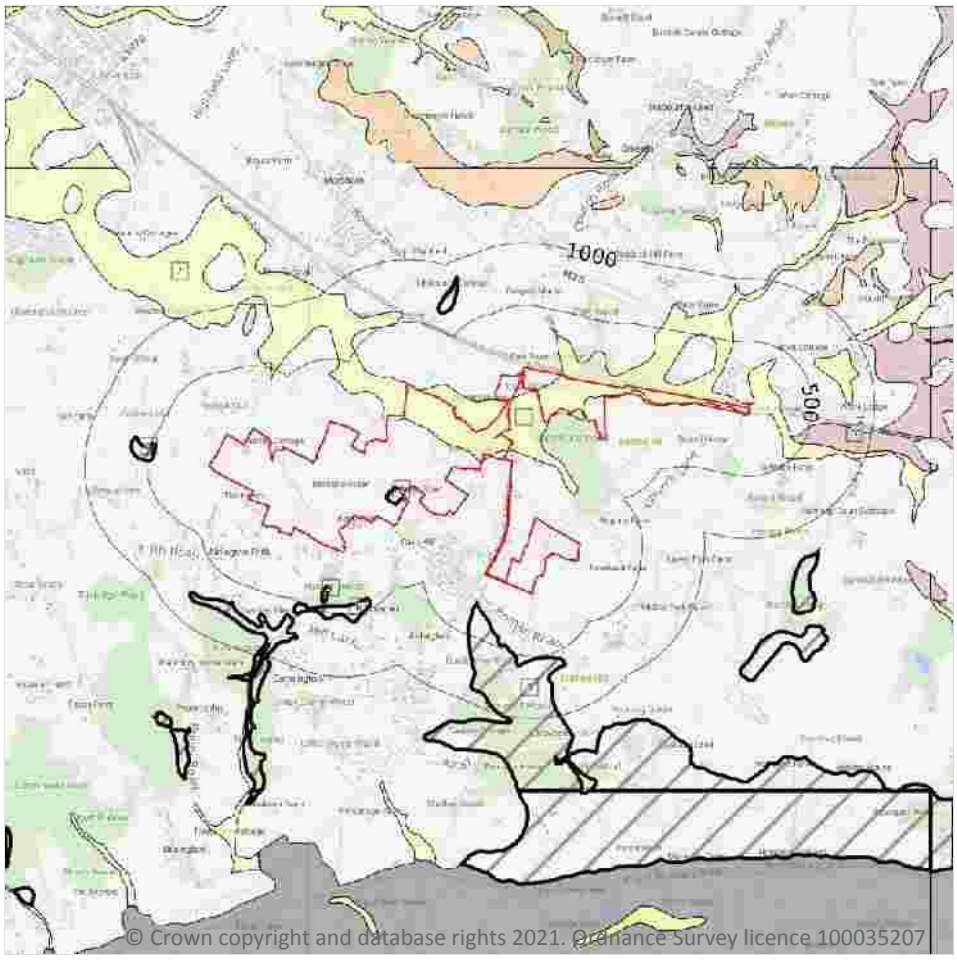
14.2 Artificial and made ground (10k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **3**

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 126**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**Alluvium - Clay, Silt, Sand And Gravel**	**Clay, Silt, Sand And Gravel**
5	385m SE	HEAD-XCZ	Head - Clay And Silt	Clay And Silt
7	418m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	**5**

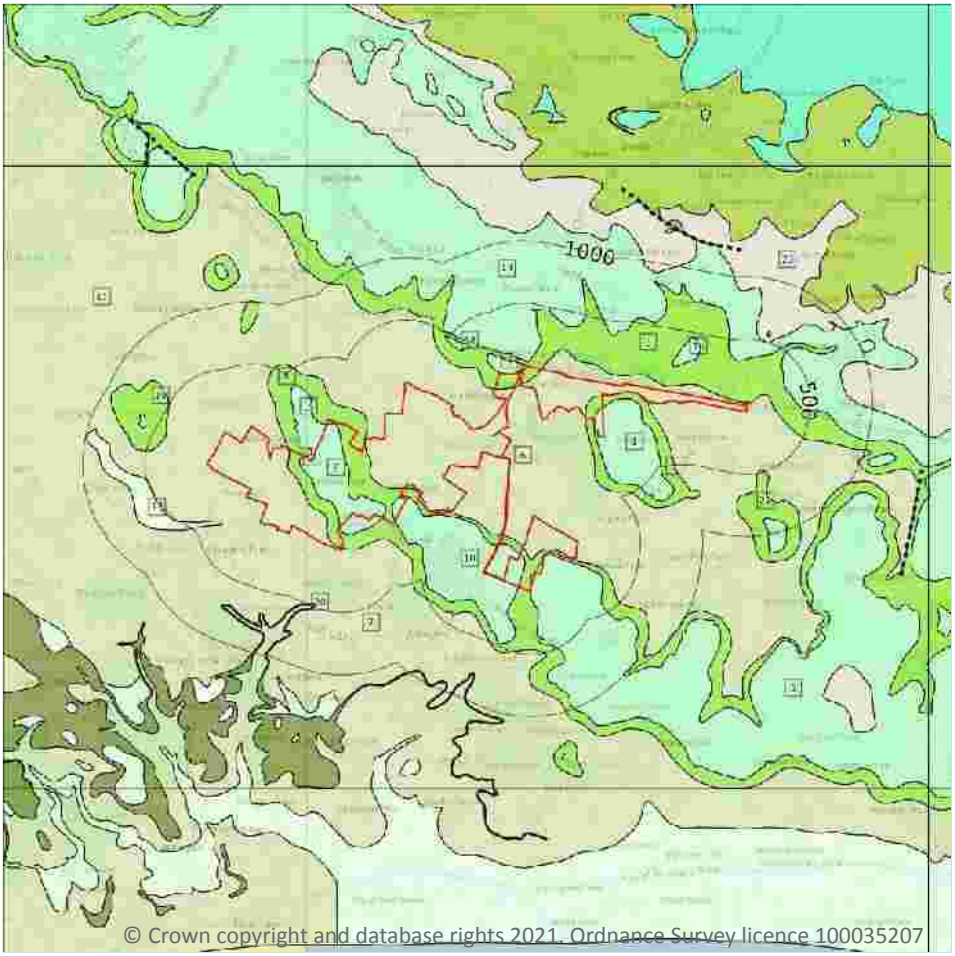
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 126**

ID	Location	LEX Code	Description	Rock description
2	**On site**	**SLIP-UKNOWN**	**Landslide Deposits**	**Unknown/unclassified Entry**
3	243m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
4	303m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
6	413m SE	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
8	458m W	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m **23**

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 128**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
2	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**
3	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**

ID	Location	LEX Code	Description	Rock age
4	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
5	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
6	**On site**	**WC-MDST**	**Weald Clay Formation - Mudstone**	**Barremian Age - Hauterivian Age**
7	**On site**	**WC-MDST**	**Weald Clay Formation - Mudstone**	**Barremian Age - Hauterivian Age**
8	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**
9	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
10	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
11	**On site**	**WC-MDST**	**Weald Clay Formation - Mudstone**	**Barremian Age - Hauterivian Age**
12	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
13	6m NE	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
14	34m N	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
15	47m NE	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
16	206m N	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
17	280m SW	WC-SDST	Weald Clay Formation - Sandstone	Barremian Age - Hauterivian Age
18	329m NW	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
19	401m NW	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
20	479m S	WC-LMST	Weald Clay Formation - Limestone	Barremian Age - Hauterivian Age
21	481m S	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
22	489m S	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age
23	497m N	SAB-SDSM	Sandgate Formation - Sandstone, Siltstone And Mudstone	Aptian Age

This data is sourced from the British Geological Survey.

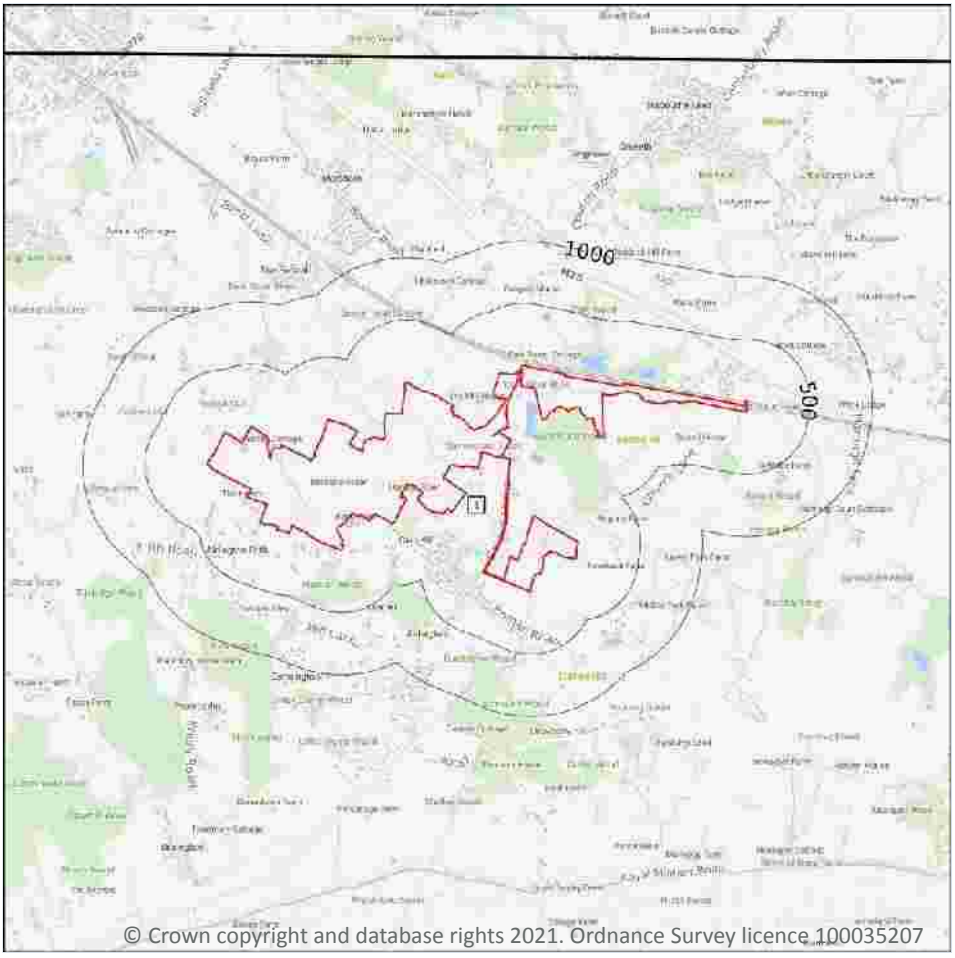
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 131**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW305_306_folkestone_and_dover_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

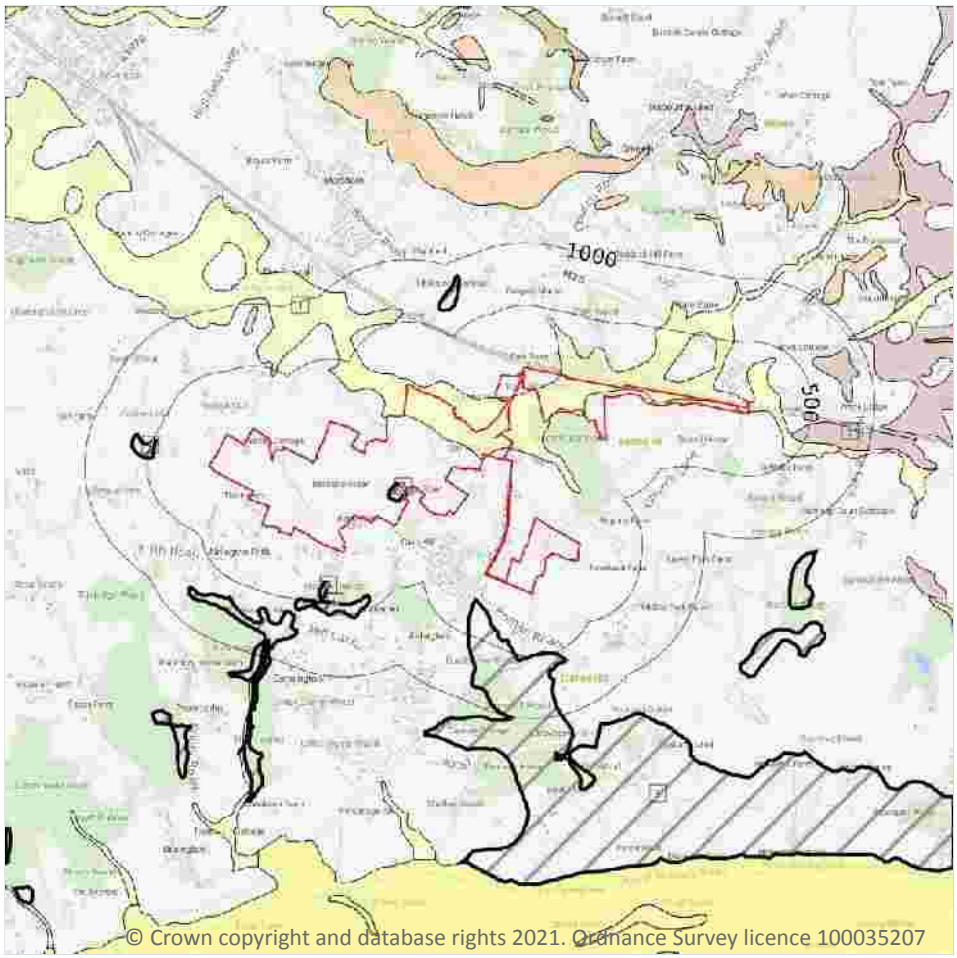
15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **2**

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 133**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**ALLUVIUM**	**CLAY, SILT, SAND AND GRAVEL**
5	373m SE	HEAD-XCZ	HEAD	CLAY AND SILT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**High**	**Very Low**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	5

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 133**

ID	Location	LEX Code	Description	Rock description
2	**On site**	**SLIP-XCZS**	**LANDSLIDE DEPOSITS**	**CLAY, SILT AND SAND**
3	217m S	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
4	276m S	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
6	393m SE	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
7	458m W	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

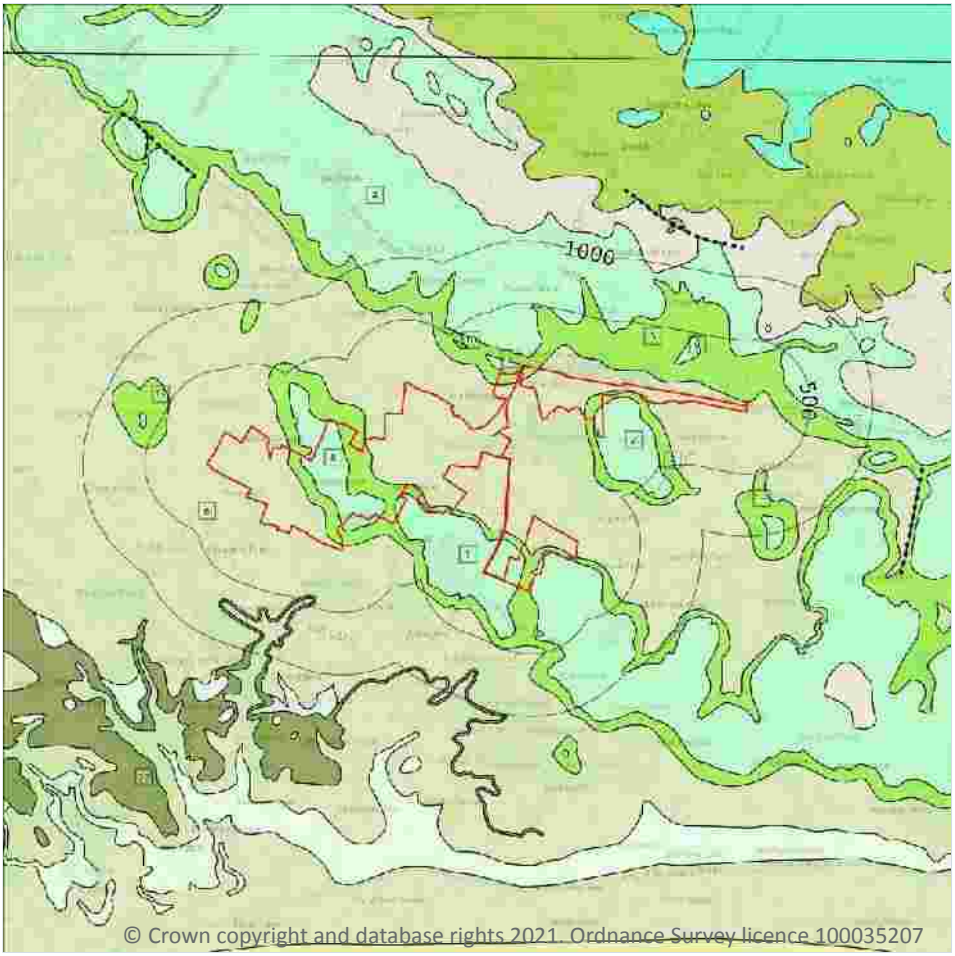
Records within 50m	1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

Flow type	Maximum permeability	Minimum permeability
Mixed	Moderate	Low

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	13

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 135**

ID	Location	LEX Code	Description	Rock age
1	On site	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
2	On site	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN

ID	Location	LEX Code	Description	Rock age
3	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
4	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
5	**On site**	**AC-SAMDST**	**ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY**	**APTIAN**
6	**On site**	**WC-MDST**	**WEALD CLAY FORMATION - MUDSTONE**	**HAUTERIVIAN**
7	**On site**	**AC-SAMDST**	**ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY**	**APTIAN**
8	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
9	222m N	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
10	343m NW	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
11	408m NW	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN
12	425m S	WC-LMST	WEALD CLAY FORMATION - LIMESTONE	HAUTERIVIAN
13	472m S	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **13**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Mixed**	**High**	**High**
On site	**Fracture**	**Low**	**Very Low**
15m W	Fracture	Low	Very Low

This data is sourced from the British Geological Survey.

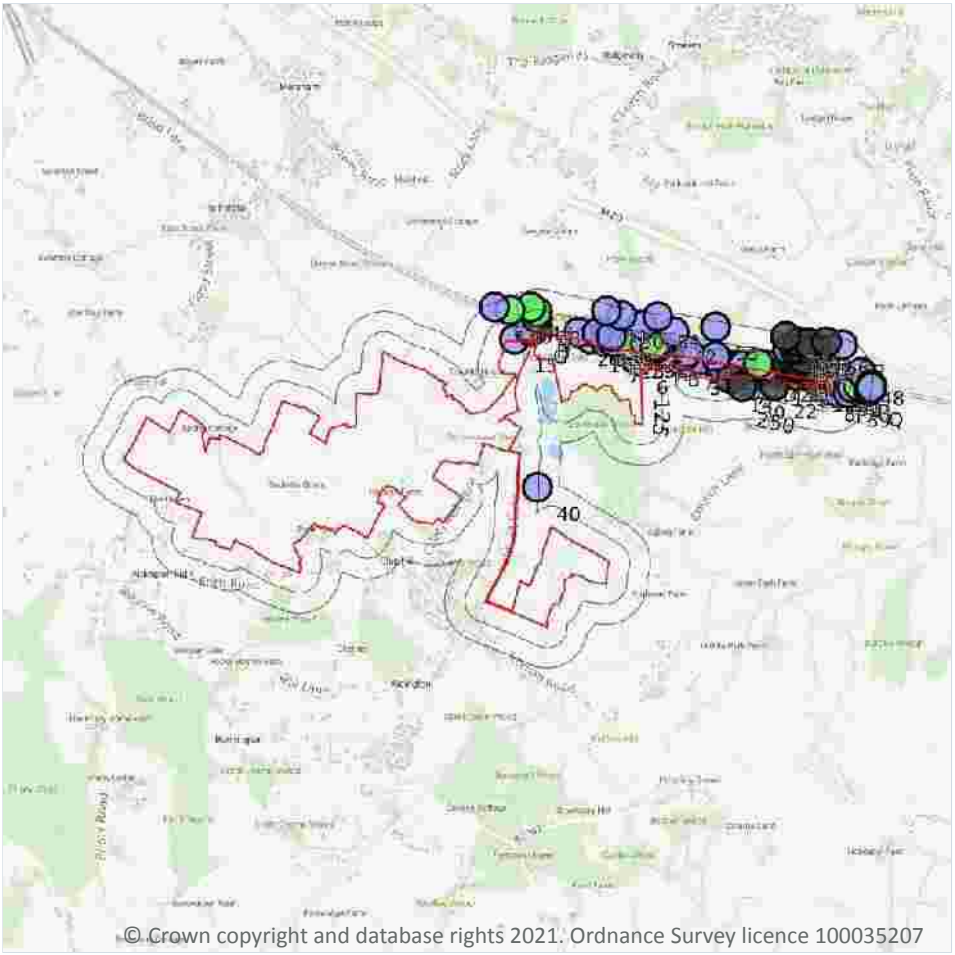
15.10 Bedrock faults and other linear features (50k)

Records within 500m	**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	112

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 138**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	607949 138182	CHANNEL TUNNEL RAIL LINK DS6310	8.3	N	15619014
2	On site	608055 138163	CHANNEL TUNNEL RAIL LINK DS6311	7.5	N	15619016
3	On site	607683 138206	CHANNEL TUNNEL RAIL LINK TP9619A	4.0	N	15614174

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	**On site**	**607752 138218**	**CHANNEL TUNNEL RAIL LINK DS6308**	**7.0**	**N**	**15619011**
5	**On site**	**607863 138198**	**CHANNEL TUNNEL RAIL LINK DS6309**	**6.0**	**N**	**15619012**
6	**On site**	**607360 138210**	**CHANNEL TUNNEL RAIL LINK DS6304**	**8.5**	**N**	**15619003**
7	**On site**	**607647 138238**	**CHANNEL TUNNEL RAIL LINK DS6307**	**8.0**	**N**	**15619010**
8	**On site**	**608509 138046**	**CHANNEL TUNNEL RAIL LINK TP9742**	**4.0**	**N**	**15614171**
9	**On site**	**608175 138141**	**CHANNEL TUNNEL RAIL LINK DS6312**	**4.0**	**N**	**15619017**
A	**On site**	**607990 138151**	**CHANNEL TUNNEL RAIL LINK SA6371**	**15.3**	**N**	**15619091**
A	**On site**	**607988 138151**	**CHANNEL TUNNEL RAIL LINK SA6371A**	**15.2**	**N**	**15619092**
B	2m W	607549 138256	CHANNEL TUNNEL RAIL LINK DS6306	8.0	N	15619008
10	7m W	608523 138110	CHANNEL TUNNEL LINK D108	-	Y	N/A
C	7m N	608000 138182	CHANNEL TUNNEL RAIL LINK RQC0036	6.5	N	15619060
C	8m N	608005 138182	CHANNEL TUNNEL RAIL LINK RQC0037	3.0	N	15619061
11	8m N	608263 138136	CHANNEL TUNNEL RAIL LINK DS6313	7.0	N	15619019
D	9m N	608133 138160	CHANNEL TUNNEL RAIL LINK TP8684B	2.3	N	15614179
12	10m N	608437 138104	CHANNEL TUNNEL RAIL LINK DS6315	10.0	N	15619022
D	10m N	608126 138162	CHANNEL TUNNEL RAIL LINK TP8683B	2.0	N	15614177
E	10m N	608359 138119	CHANNEL TUNNEL RAIL LINK DS6314	7.8	N	15619021
D	10m N	608134 138161	CHANNEL TUNNEL RAIL LINK TP8684A	2.0	N	15614178
13	11m E	608558 138082	CHANNEL TUNNEL RAIL LINK DS6316	7.7	N	15619023
14	11m S	607930 138100	BESTED HILL CONVERTOR STN 4 ALDINGTON	-	Y	N/A
E	12m N	608337 138125	CHANNEL TUNNEL RAIL LINK SA9621	30.0	N	15619109
15	13m N	606608 138345	CHANNEL TUNNEL RAIL LINK TP8610	4.0	N	15614146
F	13m N	607462 138260	CHANNEL TUNNEL RAIL LINK DS6363	5.0	N	15619034
16	14m N	607070 138346	CHANNEL TUNNEL RAIL LINK DS6301	8.9	N	15618996
D	14m N	608124 138167	CHANNEL TUNNEL RAIL LINK TP8683A	2.0	N	15614176
G	14m W	606726 138401	CHANNEL TUNNEL RAIL LINK SA8612	15.2	N	15619098
F	16m N	607462 138263	CHANNEL TUNNEL RAIL LINK DS6362	5.7	N	15619033
D	17m N	608136 138168	CHANNEL TUNNEL RAIL LINK TP9620	4.0	N	15614165

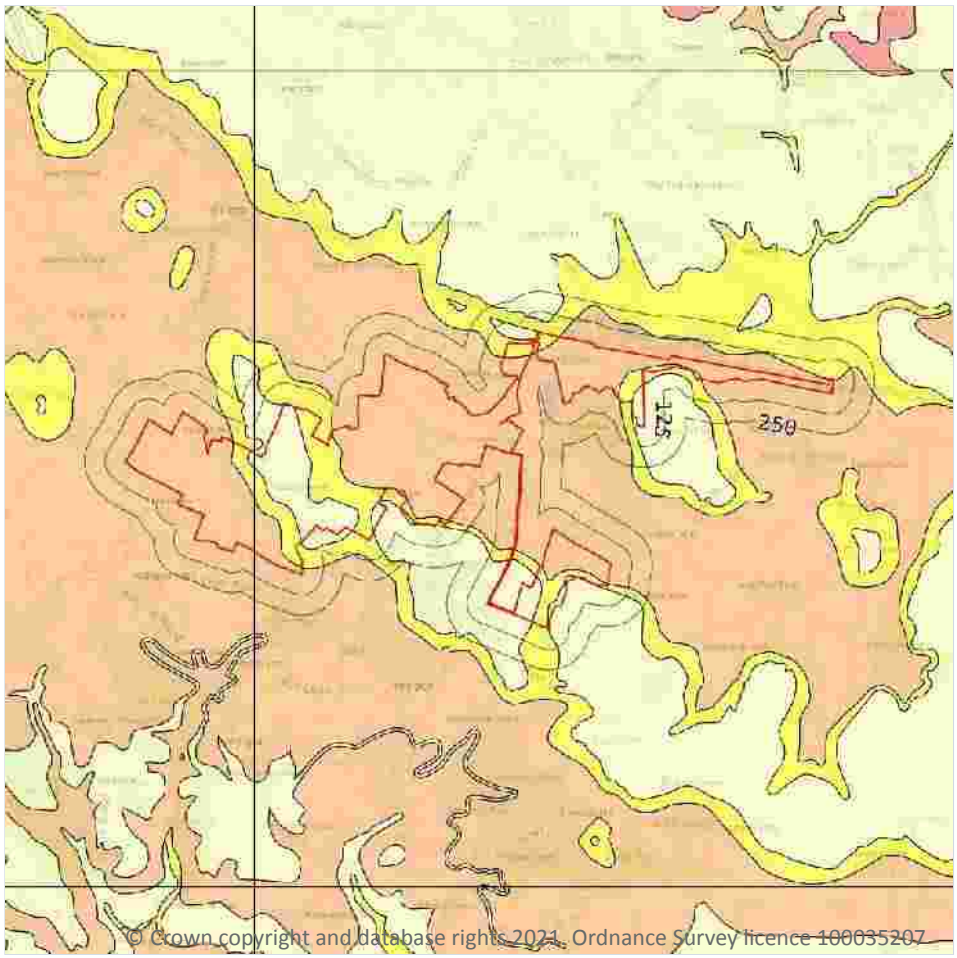
ID	Location	Grid reference	Name	Length	Confidential	Web link
D	19m N	608109 138175	CHANNEL TUNNEL RAIL LINK SA8508	10.0	N	15619095
F	20m N	607463 138267	CHANNEL TUNNEL RAIL LINK DS6361	3.0	N	15619032
F	22m N	607463 138269	CHANNEL TUNNEL RAIL LINK DS6360	7.5	N	15619031
17	22m E	608561 138031	CHANNEL TUNNEL RAIL LINK TP9743	4.0	N	15614172
B	25m NW	607530 138269	CHANNEL TUNNEL RAIL LINK RQC0046	4.0	N	15619070
F	25m N	607456 138273	CHANNEL TUNNEL RAIL LINK DS6305	4.0	N	15619005
F	25m N	607456 138273	CHANNEL TUNNEL RAIL LINK DS6305A	8.0	N	15619007
18	26m N	607264 138308	CHANNEL TUNNEL RAIL LINK DS6303	7.0	N	15619001
B	26m NW	607528 138269	CHANNEL TUNNEL RAIL LINK RQC0045	4.0	N	15619069
D	26m N	608120 138180	SELLINDGE 2000MW CROSS CHANNEL 201	-	Y	N/A
H	26m N	606746 138427	CHANNEL TUNNEL RAIL LINK TP8679	0.27	N	15614152
19	27m N	607167 138326	CHANNEL TUNNEL RAIL LINK DS6302	8.6	N	15618998
B	28m NW	607526 138269	CHANNEL TUNNEL RAIL LINK RQC0044	4.0	N	15619068
20	30m N	608236 138163	CHANNEL TUNNEL RAIL LINK SA3257	20.11	N	15619080
H	31m N	606742 138431	CHANNEL TUNNEL RAIL LINK TP8681	0.45	N	15614153
21	31m N	608427 138128	CHANNEL TUNNEL RAIL LINK TP3258	4.11	N	15614120
22	32m S	608200 138060	BESTED HILL CONVERTOR STN 3 ALDINGTON	-	Y	N/A
I	32m N	608389 138136	CHANNEL TUNNEL RAIL LINK SA6157	25.0	N	15619089
D	33m N	608157 138180	CHANNEL TUNNEL RAIL LINK TP8642	4.0	N	15614148
D	35m N	608100 138192	CHANNEL TUNNEL RAIL LINK SA3256	20.01	N	15619079
23	35m NW	608500 138130	SELLINDGE 2000MW CROSS CHANNEL 204	-	Y	N/A
24	35m N	607671 138270	CHANNEL TUNNEL RAIL LINK TP9217	4.0	N	15614169
25	35m N	607838 138240	CHANNEL TUNNEL RAIL LINK TP6143	4.0	N	15614112
26	35m N	606994 138384	CHANNEL TUNNEL RAIL LINK TP9210	4.0	N	15614156
27	37m N	608290 138160	SELLINDGE 2000MW CROSS CHANNEL PROBE 21	-	Y	N/A
G	37m W	606702 138400	CHANNEL TUNNEL RAIL LINK TP6136	4.0	N	15614107
28	37m E	608589 138104	CHANNEL TUNNEL RAIL LINK TP6158	4.0	N	15614113
J	38m N	607210 138330	CHANNEL TUNNEL RAIL LINK RQC0041	4.0	N	15619065

ID	Location	Grid reference	Name	Length	Confidential	Web link
J	39m N	607212 138330	CHANNEL TUNNEL RAIL LINK RQC0042	3.0	N	15619066
J	39m N	607214 138330	CHANNEL TUNNEL RAIL LINK RQC0043	4.0	N	15619067
29	39m N	607325 138311	CHANNEL TUNNEL RAIL LINK SA9216	15.2	N	15619104
30	43m S	608004 138057	DUNGENESS SELLINDGE TP VO82A	-	Y	N/A
K	45m N	607477 138290	CHANNEL TUNNEL RAIL LINK OP3252	3.81	N	15614103
G	46m NW	606700 138420	SMEETH SUBSTATION MERSHAM	1.0	N	648978
I	46m N	608390 138150	SELLINDGE 2000MW CROSS CHANNEL PROBE 23	-	Y	N/A
31	47m E	608595 138079	CHANNEL TUNNEL RAIL LINK SA9903	15.0	N	15619112
K	54m N	607480 138299	CHANNEL TUNNEL RAIL LINK OP3252A	4.11	N	15614170
L	54m N	608330 138170	SELLINDGE 2000MW CROSS CHANNEL PROBE 22	-	Y	N/A
32	57m N	607410 138314	CHANNEL TUNNEL RAIL LINK TP9619	4.0	N	15614164
K	60m N	607467 138307	CHANNEL TUNNEL RAIL LINK SA3251	10.11	N	15619078
33	61m NE	607112 138383	CHANNEL TUNNEL RAIL LINK SA9215	8.3	N	15619103
34	65m N	608280 138190	SELLINDGE 2000MW CROSS CHANNEL 202	-	Y	N/A
M	69m N	606746 138470	CHANNEL TUNNEL RAIL LINK SA9618	29.95	N	15619108
35	70m N	607200 138364	CHANNEL TUNNEL RAIL LINK TP6142	2.7	N	15614111
L	74m N	608330 138190	SELLINDGE 2000MW CROSS CHANNEL 203	-	Y	N/A
36	75m N	608440 138170	SELLINDGE 2000MW CROSS CHANNEL 402	-	Y	N/A
M	78m N	606741 138478	CHANNEL TUNNEL LINK D109	-	Y	N/A
L	82m N	608320 138200	SELLINDGE 2000MW CROSS CHANNEL 401	-	Y	N/A
L	88m N	608350 138200	SELLINDGE 2000MW CROSS CHANNEL 407	-	Y	N/A
N	103m N	608380 138210	SELLINDGE 2000MW CROSS CHANNEL 403A	-	Y	N/A
37	109m N	608510 138220	SELLINDGE 2000MW CROSS CHANNEL 404	-	Y	N/A
38	110m N	606749 138511	CHANNEL TUNNEL RAIL LINK SA9214	19.9	N	15619102
N	113m N	608380 138220	SELLINDGE 2000MW CROSS CHANNEL 403	-	Y	N/A
39	113m E	608650 138011	CHANNEL TUNNEL RAIL LINK TP9746	4.0	N	15614173
40	118m E	606749 137436	CHANNEL TUNNEL RAIL LINK TP8678	1.2	N	15614151
41	131m E	608675 138049	CHANNEL TUNNEL RAIL LINK DS6317	7.0	N	15619025

ID	Location	Grid reference	Name	Length	Confidential	Web link
42	141m N	607583 138393	CHANNEL TUNNEL RAIL LINK DS9245	5.0	N	15619043
43	150m N	606704 138544	CHANNEL TUNNEL RAIL LINK SA6138	15.0	N	15619087
44	153m N	608280 138280	BESTED SUBSTATION ASHFIELD BH4	7.0	N	648991
O	162m N	608330 138280	SELLINDGE 2000MW CROSS CHANNEL 206	-	Y	N/A
P	168m E	608714 138061	CHANNEL TUNNEL RAIL LINK SA6372	15.2	N	15619093
45	169m N	607393 138431	CHANNEL TUNNEL RAIL LINK DS9244	5.0	N	15619041
P	171m E	608717 138060	CHANNEL TUNNEL RAIL LINK SA6372A	15.2	N	15619094
O	176m N	608350 138290	SELLINDGE 2000MW CROSS CHANNEL 301	-	Y	N/A
46	177m N	608470 138280	SELLINDGE 2000MW CROSS CHANNEL 205	-	Y	N/A
47	179m N	608420 138280	SELLINDGE 2000MW CROSS CHANNEL 302	-	Y	N/A
48	185m E	608734 138144	CHANNEL TUNNEL RAIL LINK TP6159	4.0	N	15614114
49	188m N	606580 138523	CHANNEL TUNNEL RAIL LINK SA9242	15.0	N	15619106
50	206m N	607263 138491	CHANNEL TUNNEL RAIL LINK DS9243	5.0	N	15619040
51	212m NE	607172 138521	CHANNEL TUNNEL RAIL LINK TP6139	4.0	N	15614108
52	212m N	608620 138310	M20 ASHFORD - SELLINDGE 8	5.0	N	649025
53	215m N	607842 138422	CHANNEL TUNNEL RAIL LINK DS9246	5.0	N	15619045
54	215m N	608350 138330	BESTED SUBSTATION ASHFIELD 3	-	Y	N/A
55	217m N	608410 138320	BESTED SUBSTATION ASHFIELD 5	-	Y	N/A
56	217m N	608520 138330	SELLINDGE 2000MW CROSS CHANNEL 406	-	Y	N/A
57	224m N	606483 138544	CHANNEL TUNNEL RAIL LINK SA9241	9.9	N	15619105
58	230m N	608270 138360	SELLINDGE 2000MW CROSS CHANNEL 405	-	Y	N/A
59	238m N	607482 138485	CHANNEL TUNNEL RAIL LINK TP6141	4.0	N	15614109
Q	240m E	608782 138030	CHANNEL TUNNEL RAIL LINK DS6318	8.5	N	15619027
Q	243m E	608791 138065	CHANNEL TUNNEL RAIL LINK SA3262	20.11	N	15619081
Q	245m E	608790 138050	CHANNEL TUNNEL RAIL LINK OP3260	2.91	N	15614104

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	4

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

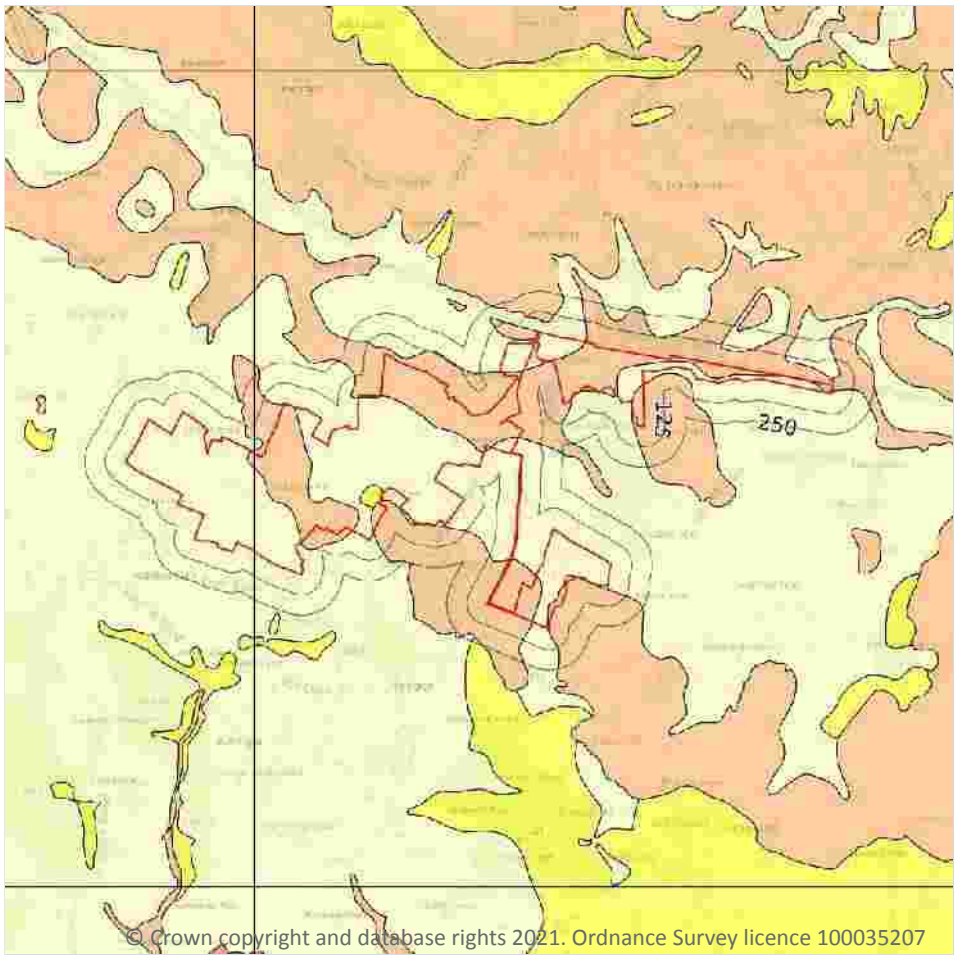
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 143**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**
On site	**Low**	**Ground conditions predominantly medium plasticity.**

Location	Hazard rating	Details
15m NE	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	5

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

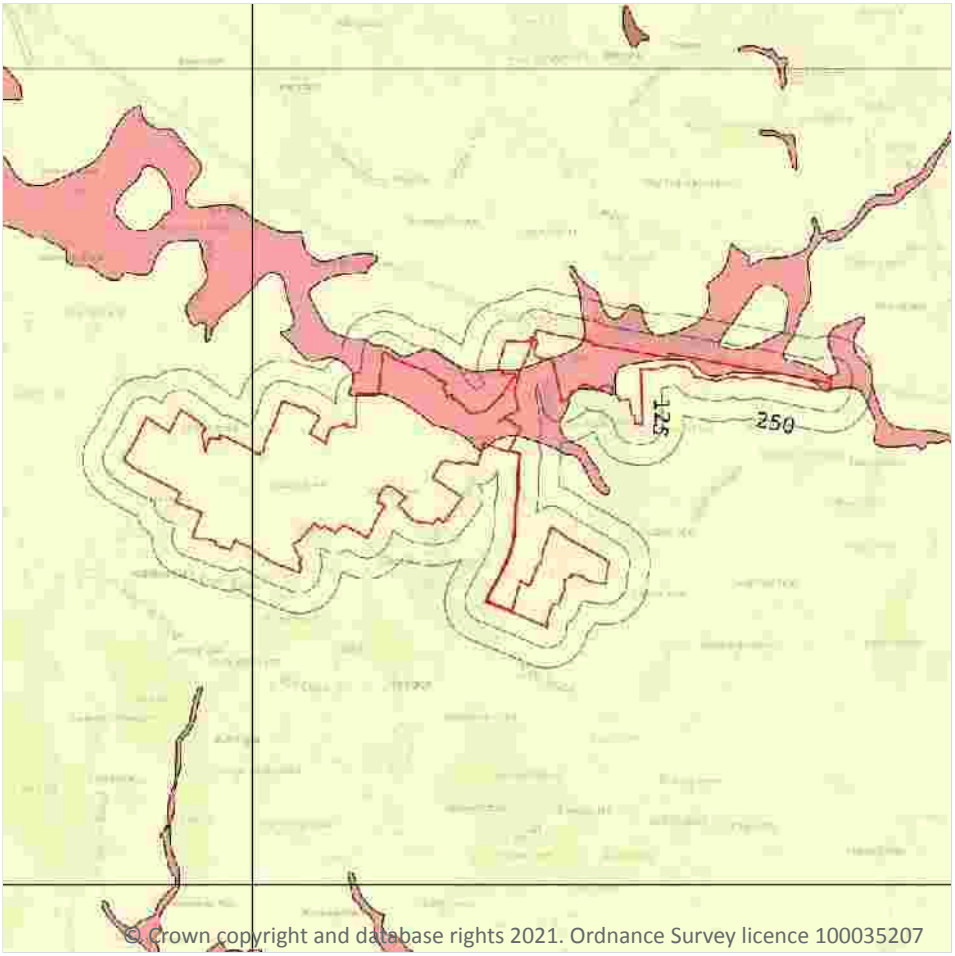
Features are displayed on the Natural ground subsidence - Running sands map on **page 145**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**
14m N	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
15m NE	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

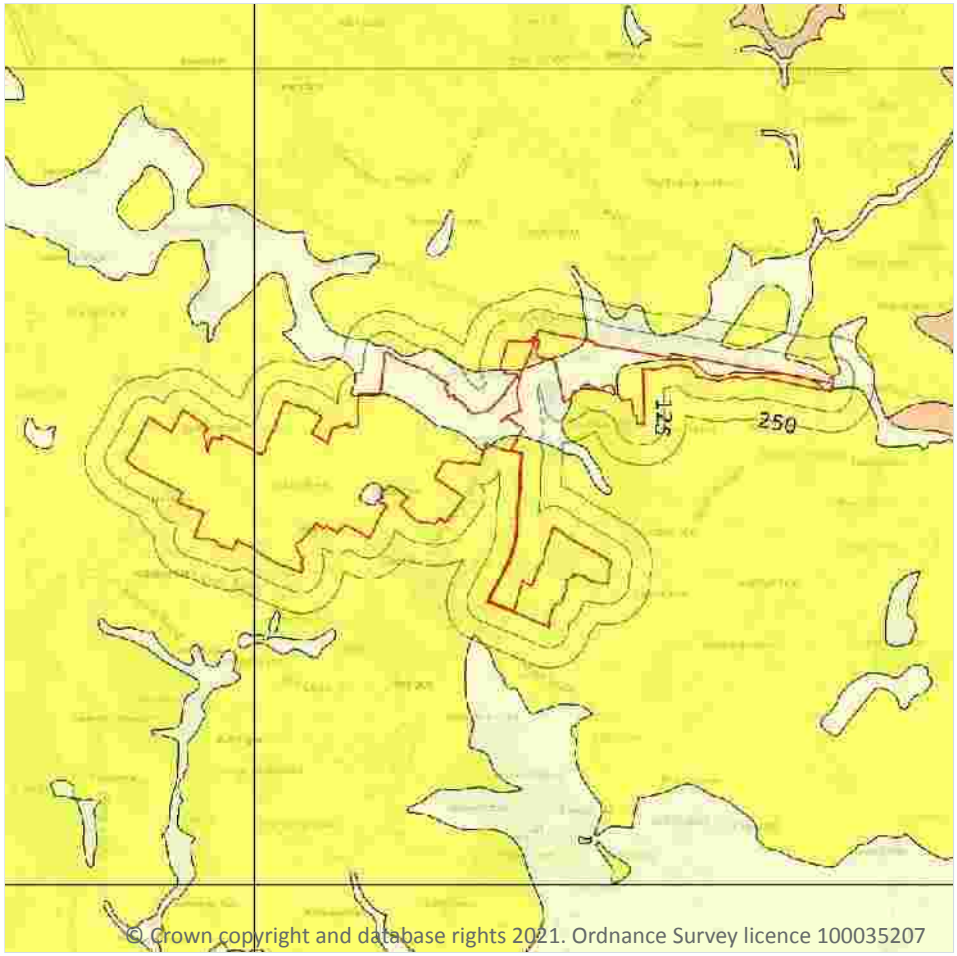
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 147**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**

Location	Hazard rating	Details
14m N	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	3

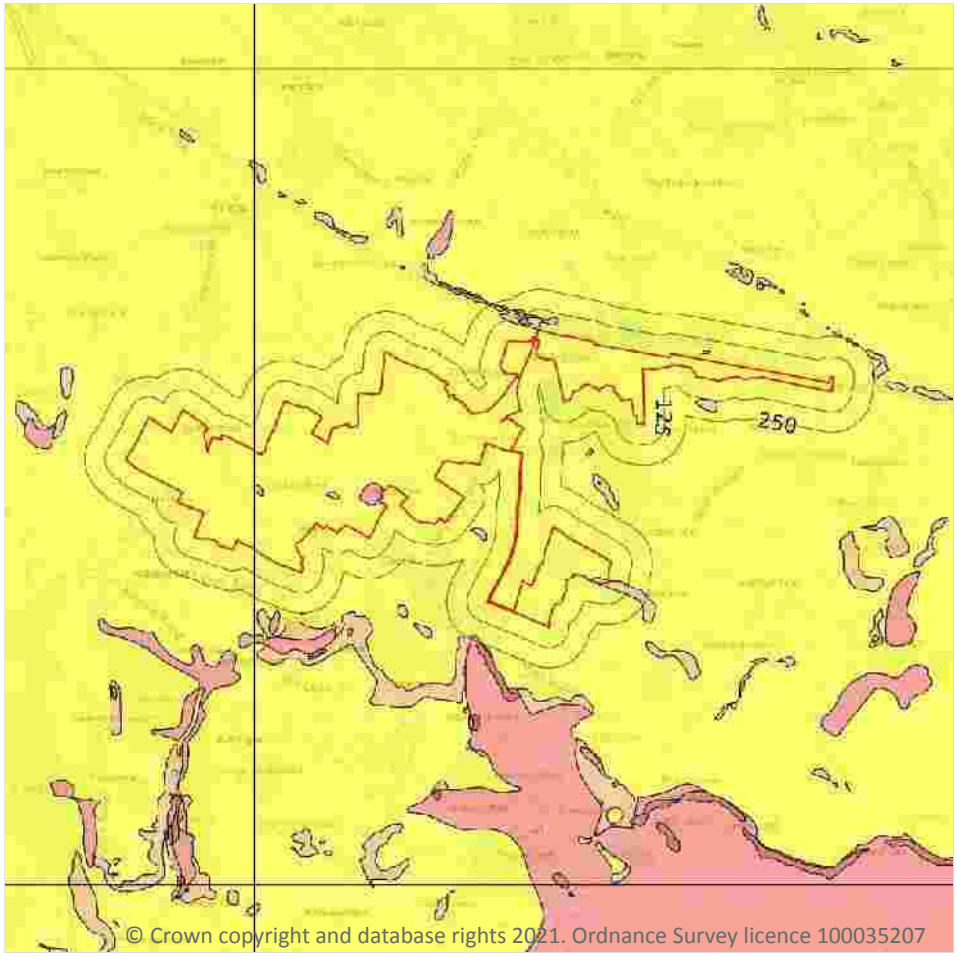
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 149**

Location	Hazard rating	Details
On site	**Negligible**	**Deposits with potential to collapse when loaded and saturated are believed not to be present.**
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
14m N	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	5

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

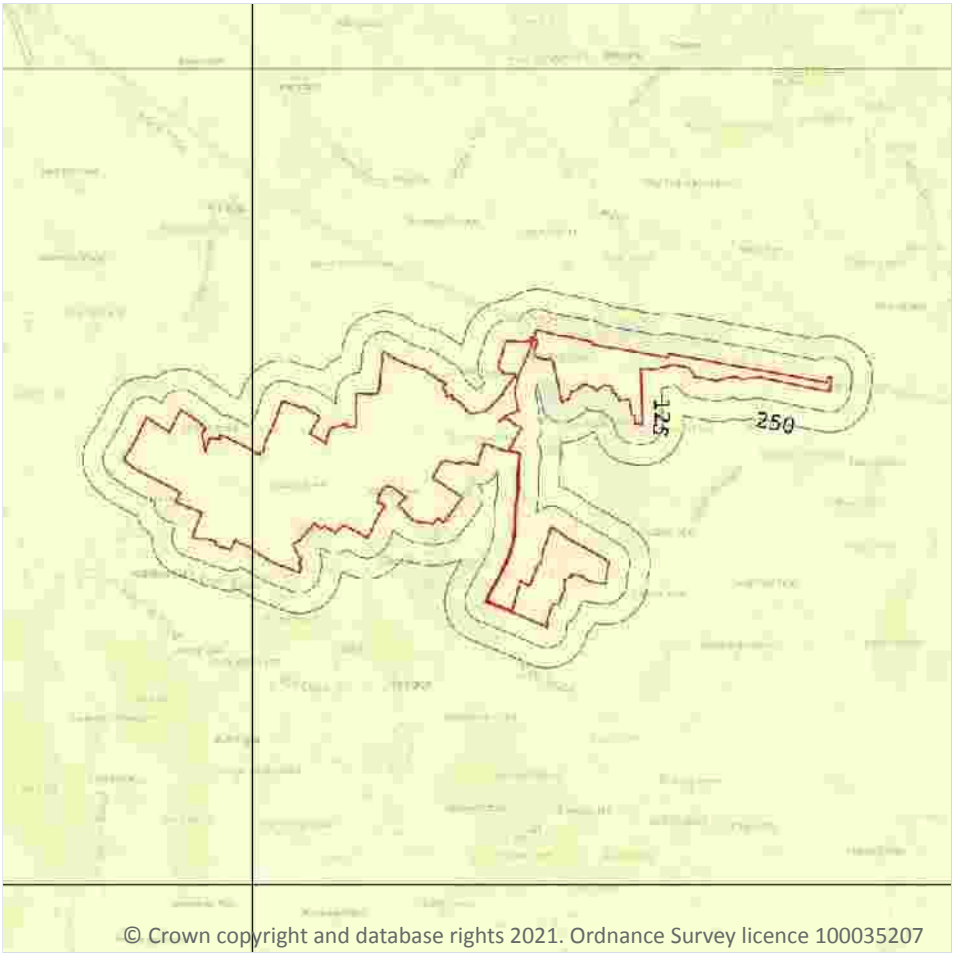
Features are displayed on the Natural ground subsidence - Landslides map on **page 151**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

Location	Hazard rating	Details
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
On site	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
2m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
36m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

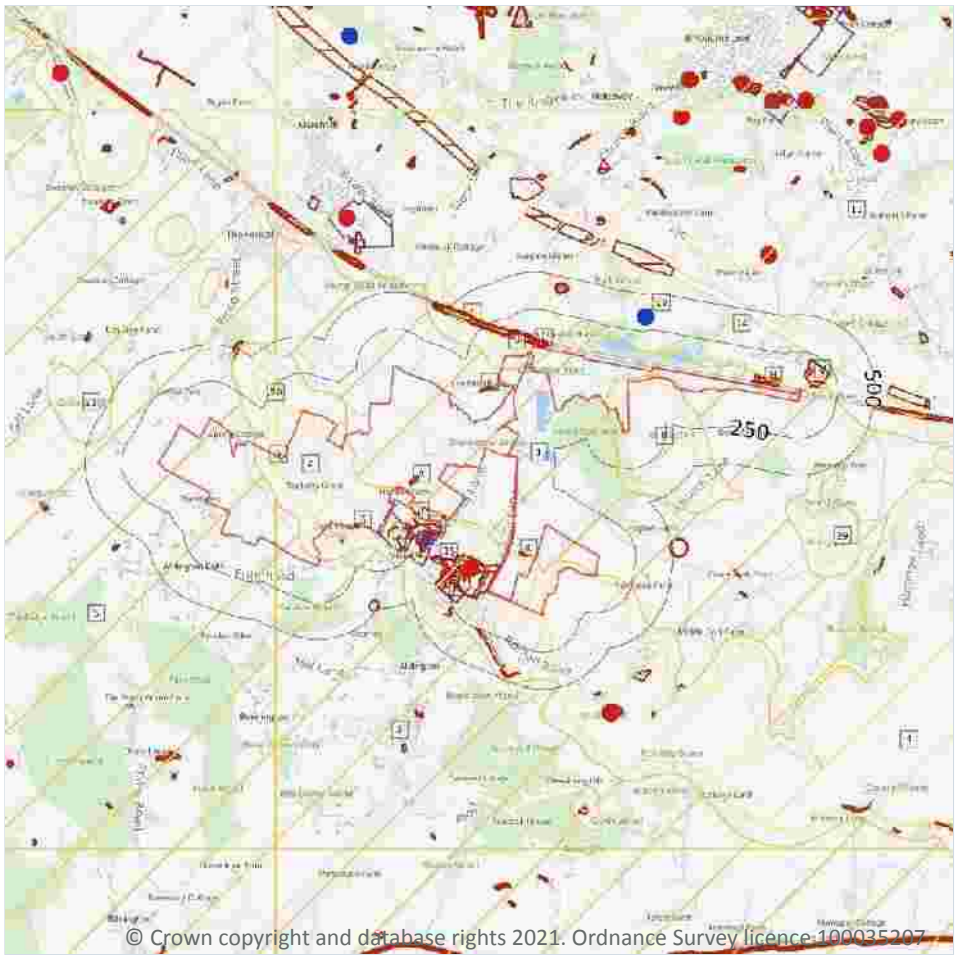
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 153**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

Natural cavities (Area)

Natural cavities (Point)

BritPits

Surface ground workings

Underground workings

Historical Mineral Planning Areas

Mining Cavities

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	2

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

Features are displayed on the Mining, ground workings and natural cavities map on **page 155**

ID	Location	Details	Source
G	125m S	Type: Gulls/Fissures due to Cambering x 1 Superficial Geology: - Bedrock Geology: Atherfield Clay Formation, Hythe Formation	Simple Bibliography: Confidential Full Bibliography: Confidential Confidentiality: Data source to remain anonymous, data can be used freely

ID	Location	Details	Source
19	347m N	Type: Gulls/Fissures due to Cambering x 1 Superficial Geology: - Bedrock Geology: Atherfield Clay Formation, Hythe Formation	Simple Bibliography: Confidential Full Bibliography: Confidential Confidentiality: Data source to remain anonymous, data can be used freely

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	**5**

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 155**

ID	Location	Details	Description
B	83m SW	Name: Handen Address: Aldington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	138m S	Name: Handen Address: Aldington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	166m NW	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
N	280m NW	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
17	332m S	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	**66**

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 155**

ID	Location	Land Use	Year of mapping	Mapping scale
6	**On site**	**Unspecified Heap**	**1954**	**1:10560**
A	**On site**	**Ponds**	**1954**	**1:10560**
A	**On site**	**Ponds**	**1871**	**1:10560**
A	**On site**	**Ponds**	**1940**	**1:10560**
A	**On site**	**Ponds**	**1906**	**1:10560**
A	**On site**	**Ponds**	**1896**	**1:10560**
A	**On site**	**Ponds**	**1974**	**1:10000**
A	**On site**	**Ponds**	**1988**	**1:10000**
D	1m SW	Unspecified Ground Workings	1940	1:10560
D	1m SW	Unspecified Ground Workings	1906	1:10560
C	3m NW	Unspecified Disused Quarry	1988	1:10000
D	4m SW	Unspecified Ground Workings	1906	1:10560
D	4m SW	Unspecified Ground Workings	1906	1:10560
E	6m N	Cuttings	1954	1:10560
E	8m N	Cuttings	1974	1:10000
E	8m N	Cuttings	1988	1:10000
E	10m N	Cuttings	1871	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
D	10m SW	Unspecified Ground Workings	1954	1:10560
E	12m N	Cuttings	1906	1:10560
E	12m N	Cuttings	1906	1:10560
E	13m N	Cuttings	1940	1:10560
E	13m N	Cuttings	1906	1:10560
E	14m N	Cuttings	1896	1:10560
F	18m NW	Cuttings	1906	1:10560
F	18m NW	Cuttings	1906	1:10560
F	21m NW	Cuttings	1954	1:10560
F	21m NW	Cuttings	1974	1:10000
F	21m NW	Cuttings	1988	1:10000
F	21m NW	Cuttings	1871	1:10560
G	22m S	Unspecified Quarry	1954	1:10560
H	23m N	Water Body	1871	1:10560
H	24m N	Pond	1954	1:10560
H	27m N	Pond	1906	1:10560
H	27m N	Pond	1906	1:10560
H	28m N	Pond	1940	1:10560
H	28m N	Pond	1906	1:10560
F	40m NW	Cuttings	1940	1:10560
F	40m NW	Cuttings	1906	1:10560
F	40m NW	Cuttings	1896	1:10560
I	43m SE	Unspecified Disused Quarry	1974	1:10000
I	43m SE	Unspecified Disused Quarry	1988	1:10000
G	43m SW	Unspecified Quarry	1940	1:10560
C	43m NW	Unspecified Disused Quarry	1974	1:10000
J	53m SW	Water Body	1974	1:10000
J	53m SW	Water Body	1988	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
K	55m NW	Pond	1974	1:10000
K	55m NW	Pond	1988	1:10000
C	59m NW	Unspecified Quarry	1954	1:10560
C	62m NW	Unspecified Disused Quarry	1940	1:10560
K	63m NW	Pond	1896	1:10560
L	68m SW	Pond	1974	1:10000
L	68m SW	Pond	1988	1:10000
M	69m NE	Sewage Treatment Works	1974	1:10000
M	69m NE	Sewage Treatment Works	1988	1:10000
G	75m S	Unspecified Ground Workings	1906	1:10560
G	75m S	Unspecified Ground Workings	1906	1:10560
G	76m S	Unspecified Ground Workings	1906	1:10560
G	76m S	Unspecified Old Quarry	1896	1:10560
12	80m S	Unspecified Quarry	1871	1:10560
M	115m NE	Filter Beds	1974	1:10000
M	115m NE	Filter Beds	1988	1:10000
M	179m NE	Filter Beds	1988	1:10000
13	196m N	Unspecified Beds	1988	1:10000
N	205m NW	Unspecified Quarry	1906	1:10560
15	229m S	Unspecified Ground Workings	1906	1:10560
N	235m S	Unspecified Quarry	1896	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	**0**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**1**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on **page 155**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
B	**On site**	**Handon Quarry**	**Limestone**	**Surface mineral working**	**Valid**	**28/11/73**

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**15**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 155**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Iron Ore**	**B**	**Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered**
2	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
3	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
4	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**

ID	Location	Name	Commodity	Class	Likelihood
5	**On site**	**Not available**	**Iron Ore**	**B**	**Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered**
7	**On site**	**Not available**	**Iron Ore**	**B**	**Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered**
8	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
9	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
C	**On site**	**Not available**	**Sand**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
10	64m NE	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
11	66m N	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
14	222m N	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
18	343m NW	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
21	580m NW	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

ID	Location	Name	Commodity	Class	Likelihood
29	843m S	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	**0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	**0**

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	**0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

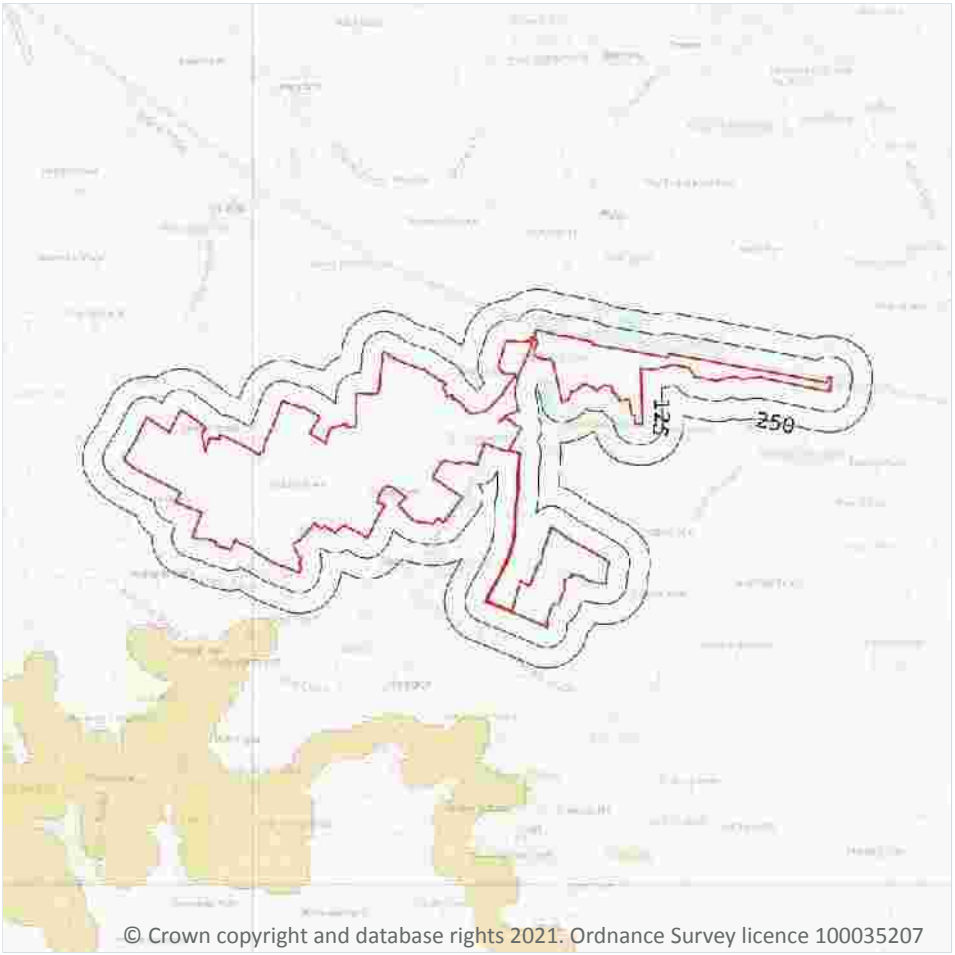
18.13 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



Site Outline

Search buffers in metres (m)

Greater than 30%

Between 10% and 30%

Between 5% and 10%

Between 3% and 5%

Between 1% and 3%

Less than 1%

19.1 Radon

Records on site	1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 164**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None****

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	106

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
1m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
5m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
6m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
14m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
26m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
32m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
34m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
40m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
43m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

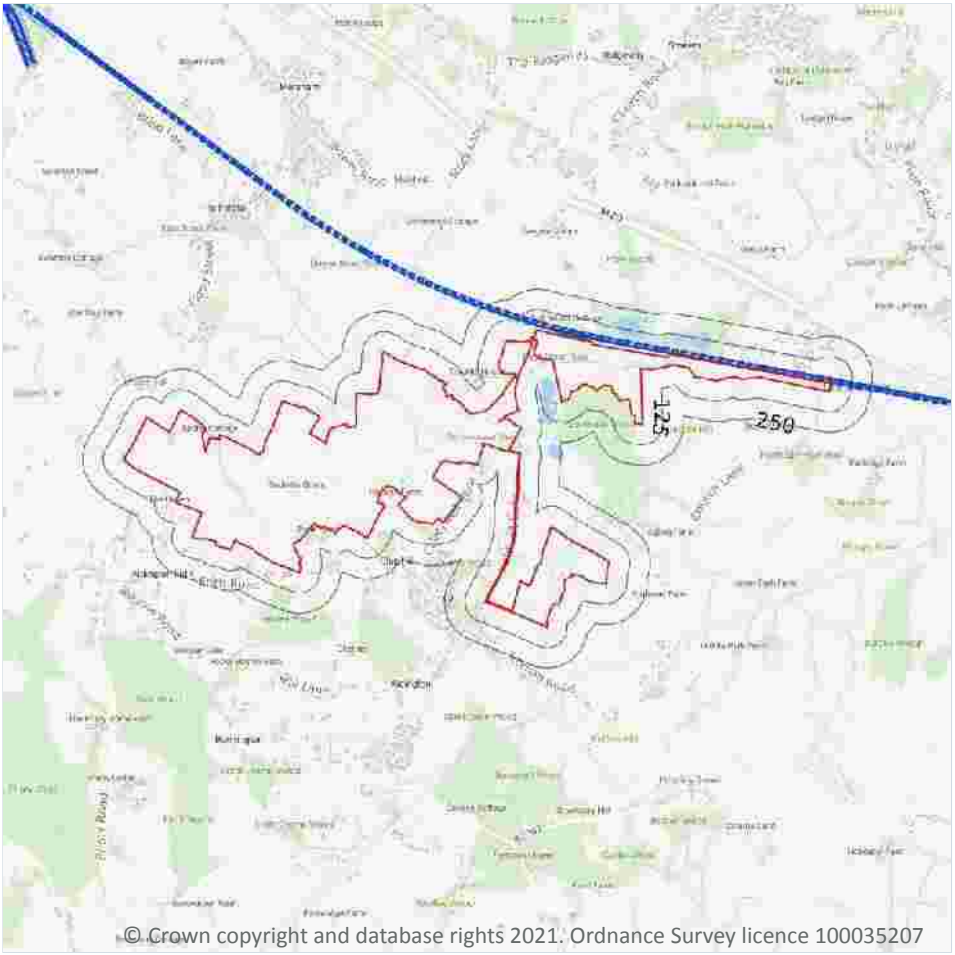
20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	16

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 172**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1954**	**10560**
5m N	Railway Sidings	1940	10560
5m N	Railway Sidings	1906	10560
12m N	Railway Sidings	1906	10560
13m N	Railway Sidings	1939	2500
13m N	Railway Sidings	1896	10560
13m N	Railway Sidings	1898	2500
13m N	Railway Sidings	1907	2500
13m N	Railway Sidings	1939	2500
13m N	Railway Sidings	1871	2500
14m N	Railway Sidings	1898	2500
14m N	Railway Sidings	1907	2500
14m N	Railway Sidings	1906	10560
25m N	Railway Sidings	1898	2500
194m W	Railway Sidings	1939	2500
247m W	Railway Sidings	1939	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	18

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on **page 172**

Location	Name	Type
On site	**South Eastern Main Line**	**rail**
On site	**High Speed 1**	**rail**
On site	**South Eastern Main Line**	**rail**
On site	**High Speed 1**	**rail**
On site	**Not given**	**Multi Track**
On site	**Not given**	**Multi Track**
1m N	South Eastern Main Line	rail
2m N	South Eastern Main Line	rail
7m N	South Eastern Main Line	rail
8m N	South Eastern Main Line	rail
23m N	High Speed 1	rail
23m N	High Speed 1	rail

Location	Name	Type
27m N	High Speed 1	rail
27m N	High Speed 1	rail
27m N	Not given	Multi Track
27m N	Not given	Multi Track
50m NW	Not given	Multi Track
66m N	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference.

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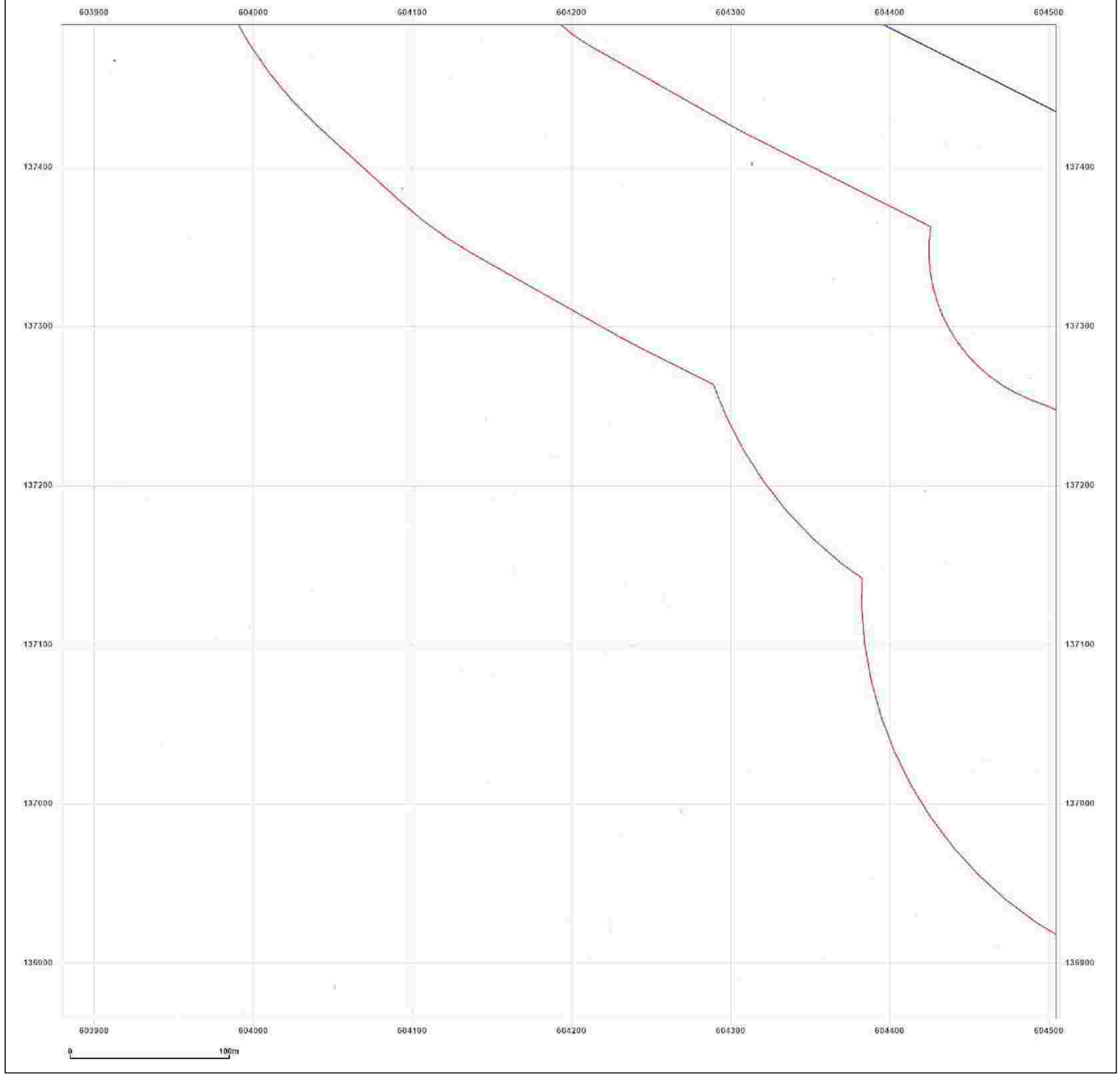
1:2,500 Scale Grid Index



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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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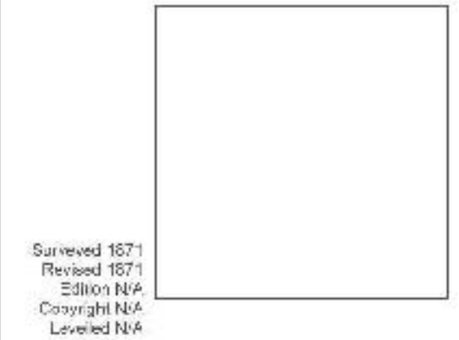

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Production date: 17 December 2021

Map legend available at:
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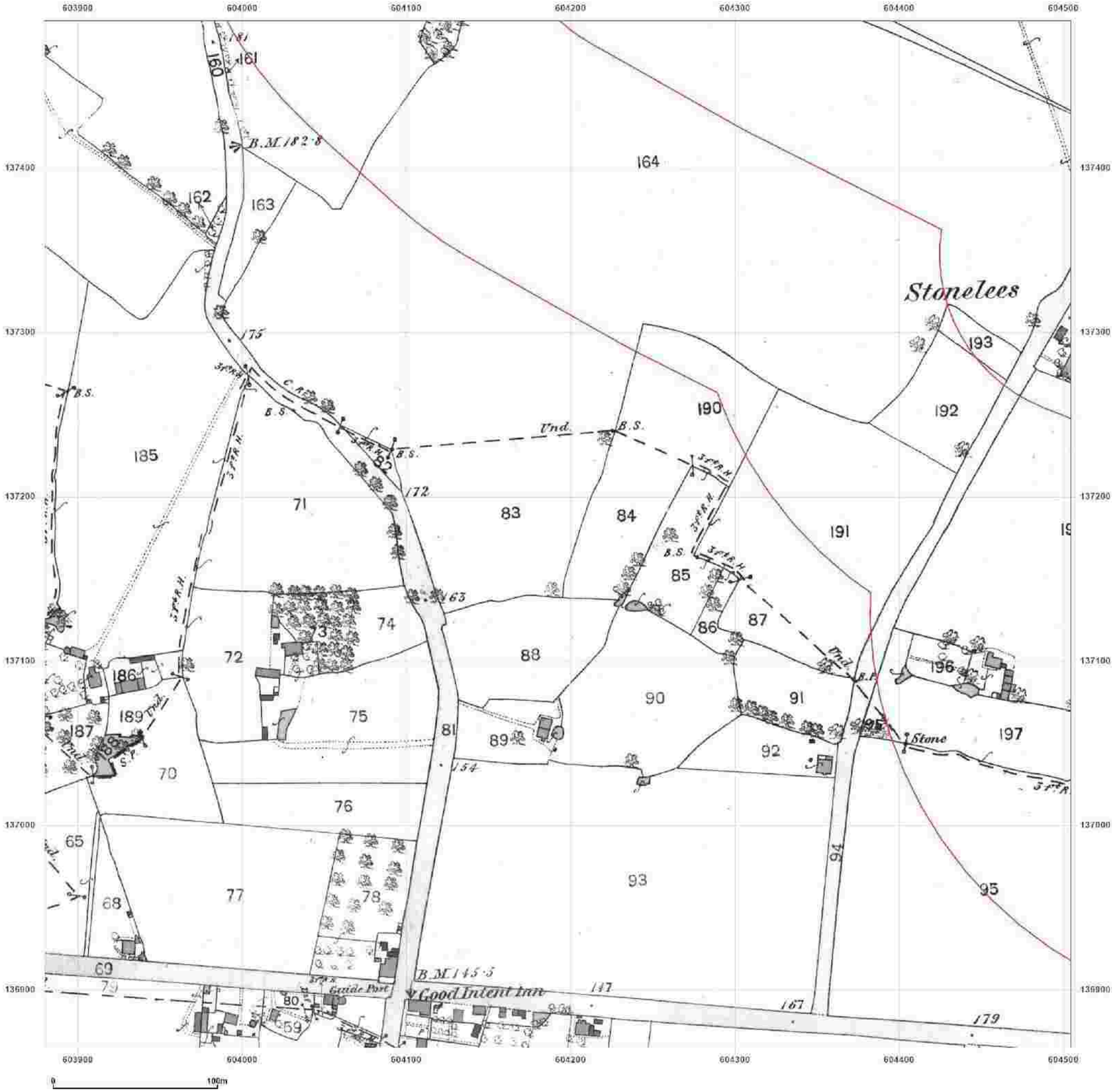

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: County Series
Map date: **1871**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

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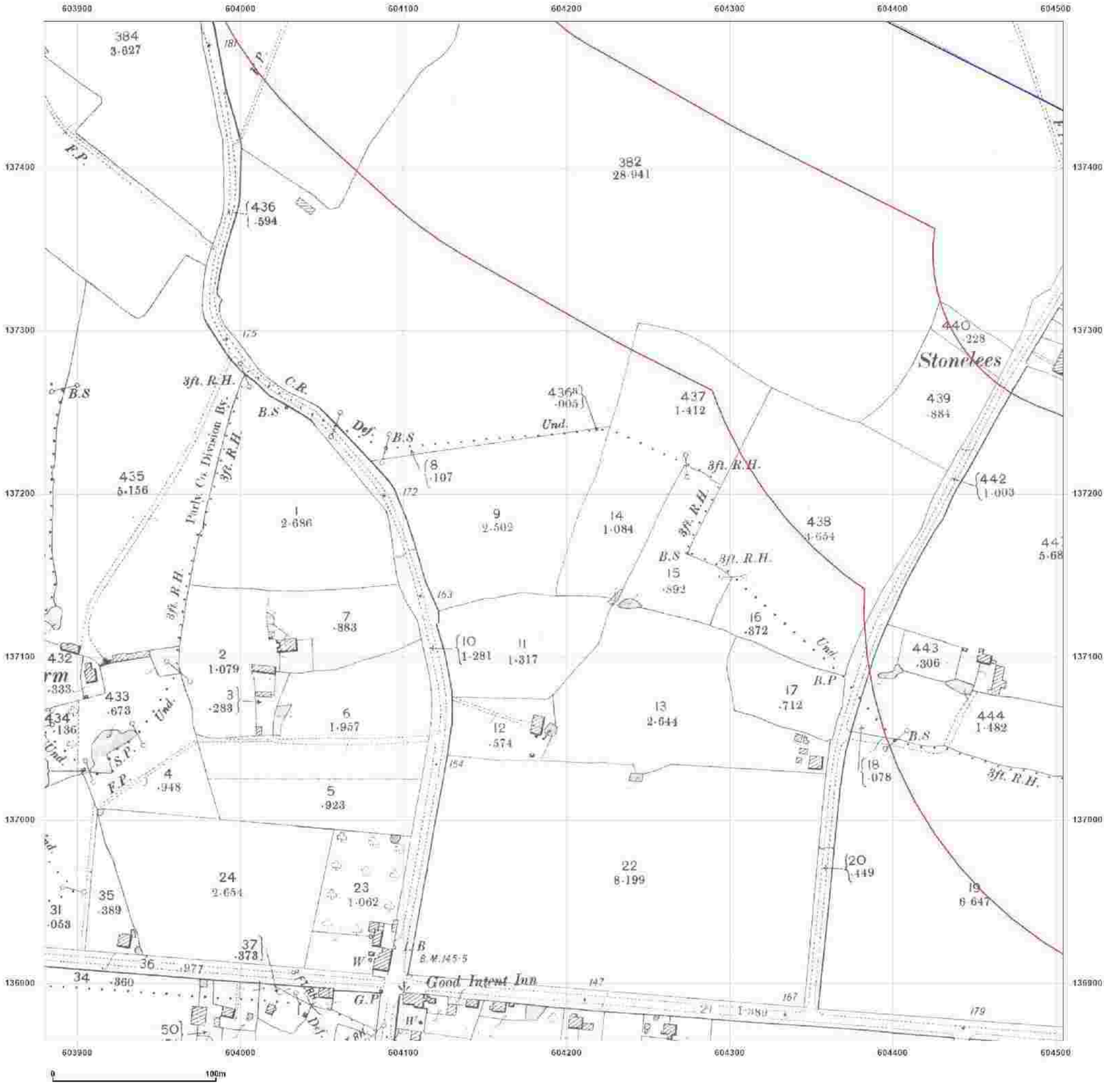

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1898
Revised 1898
Edition N/A
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Levelled N/A

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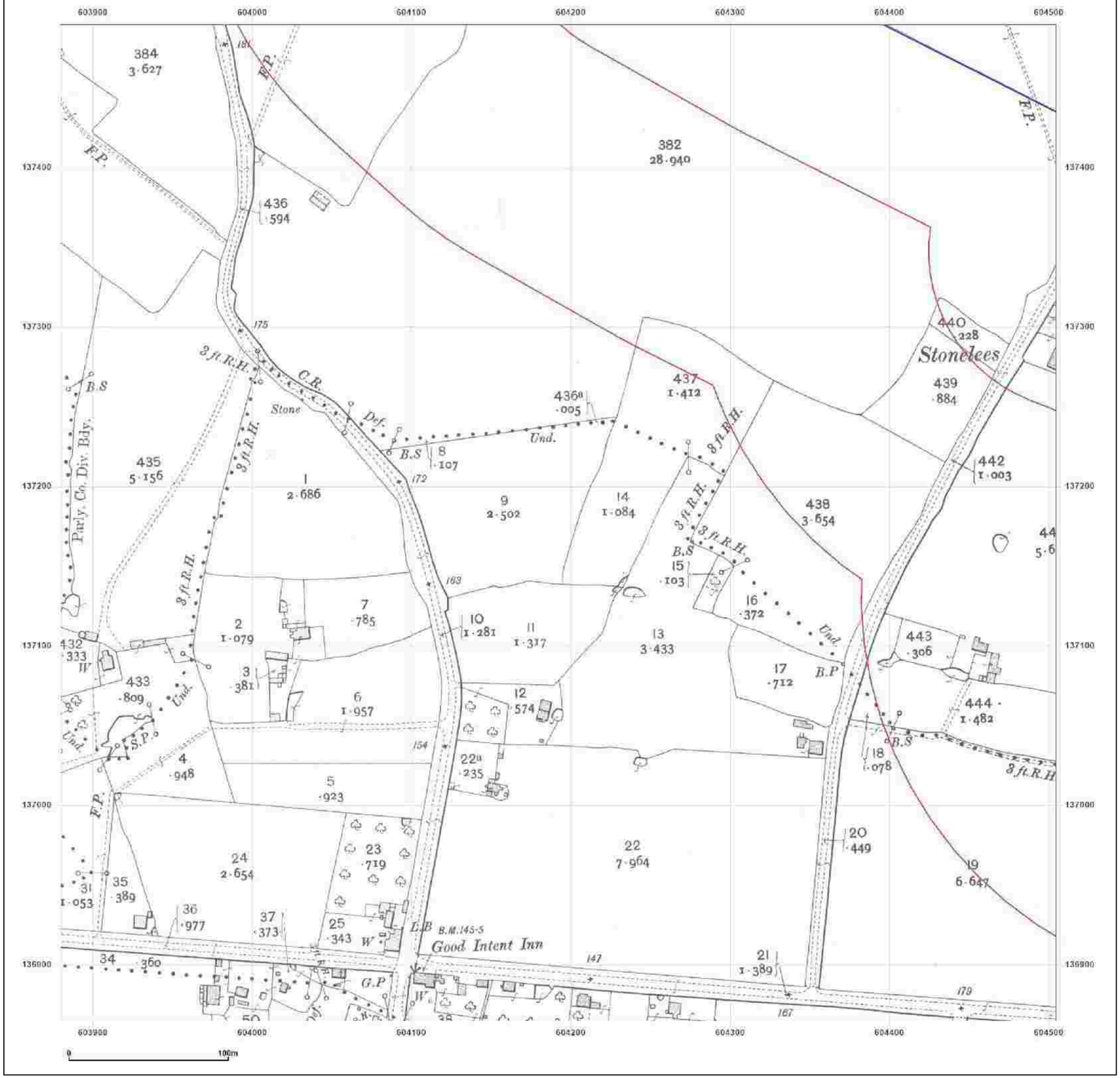

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

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Map legend available at:
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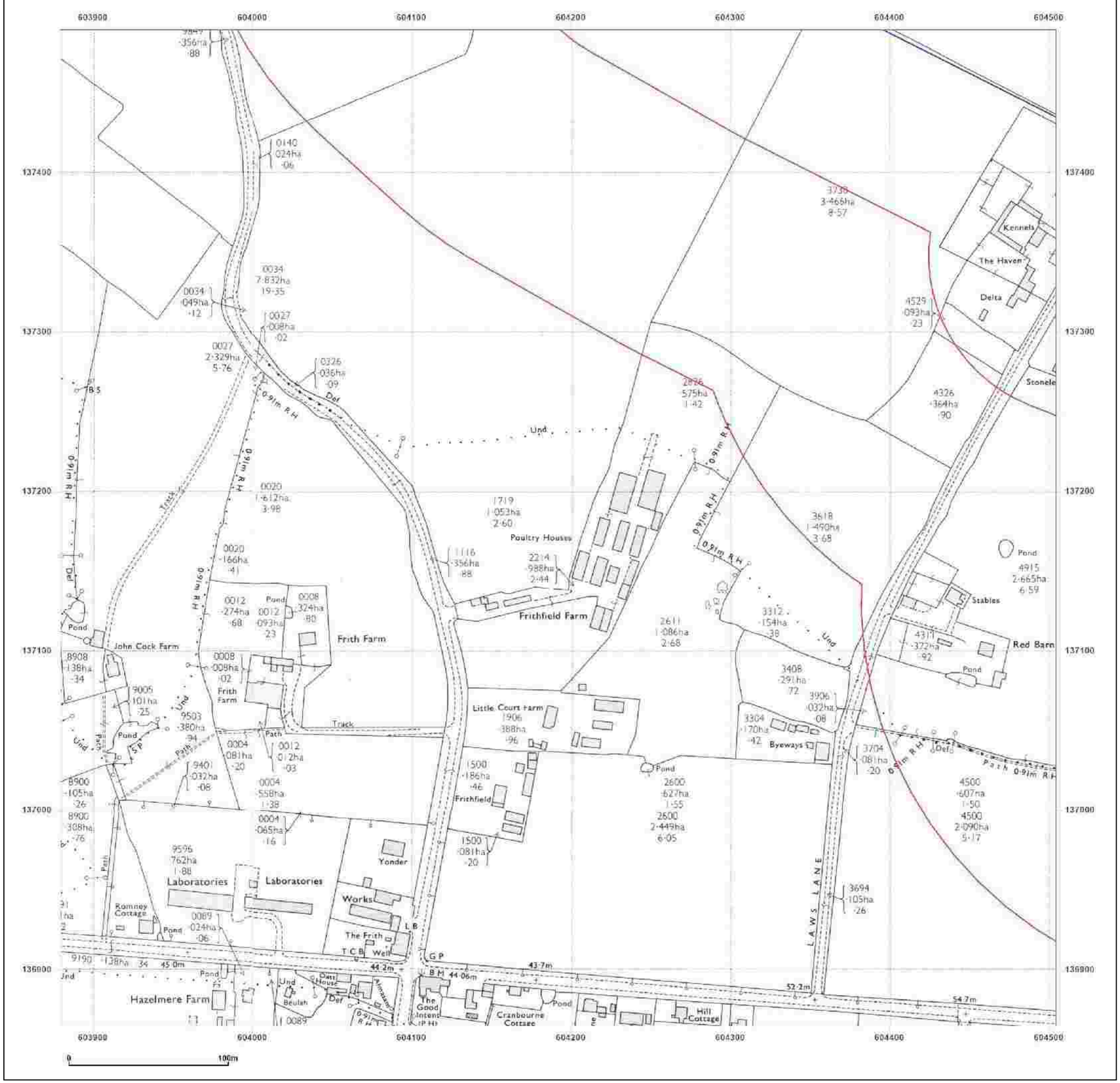

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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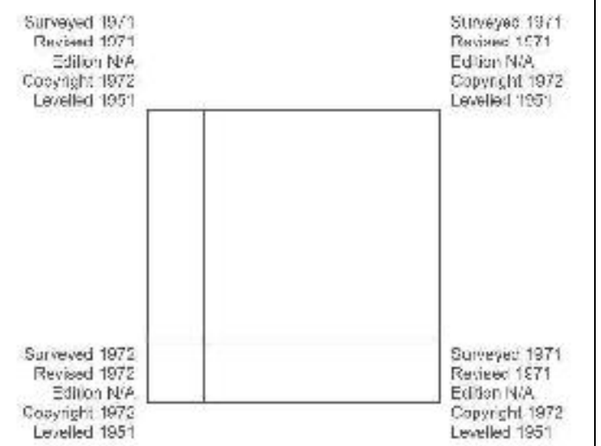

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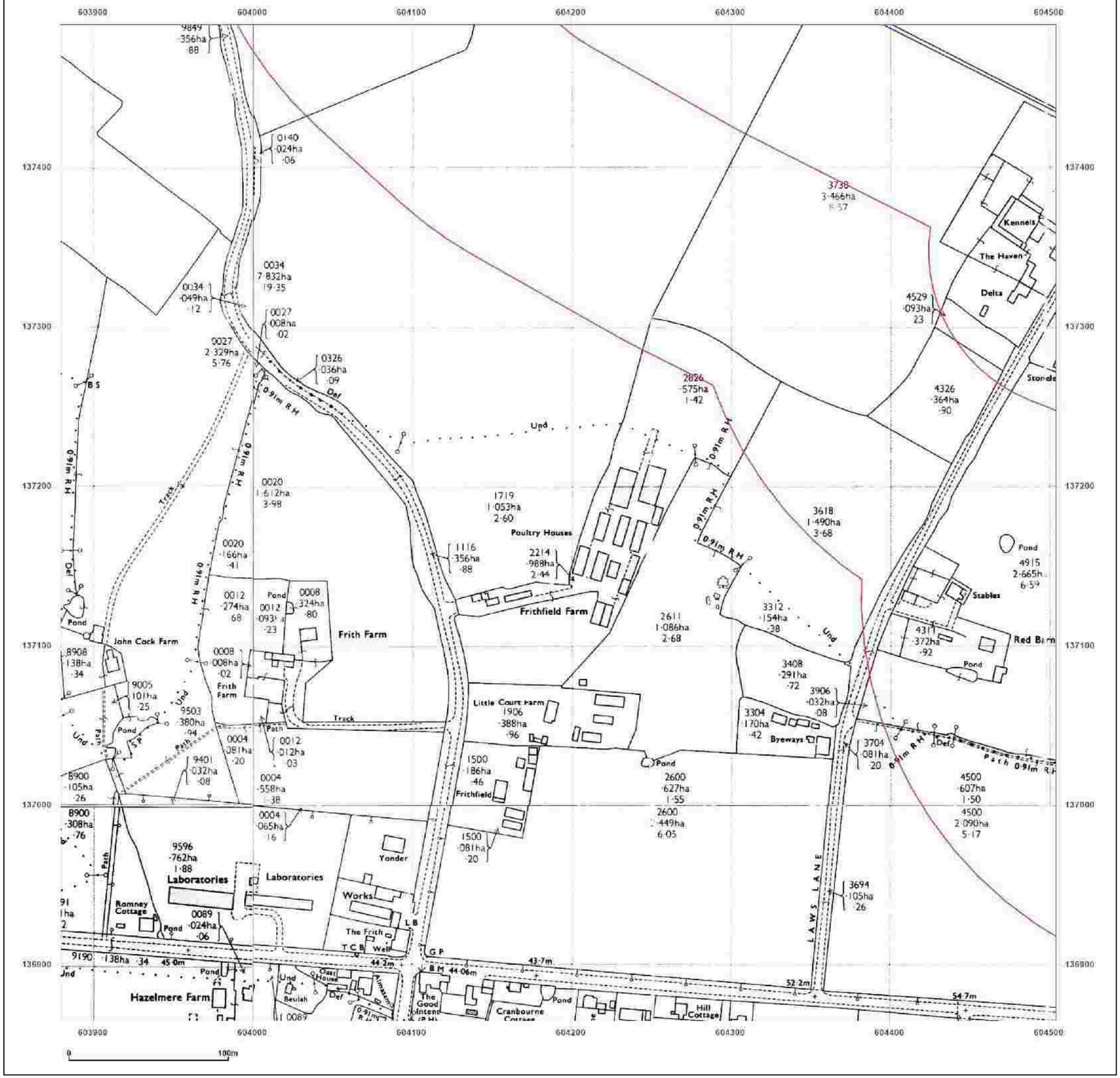

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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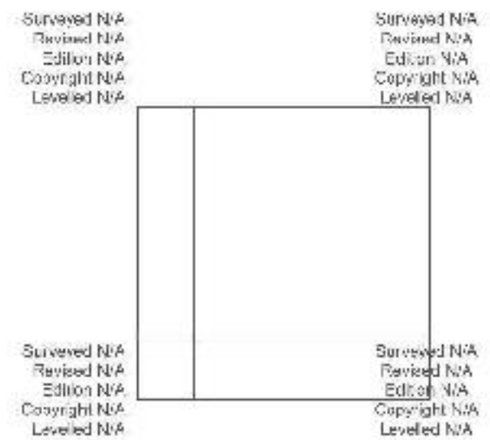

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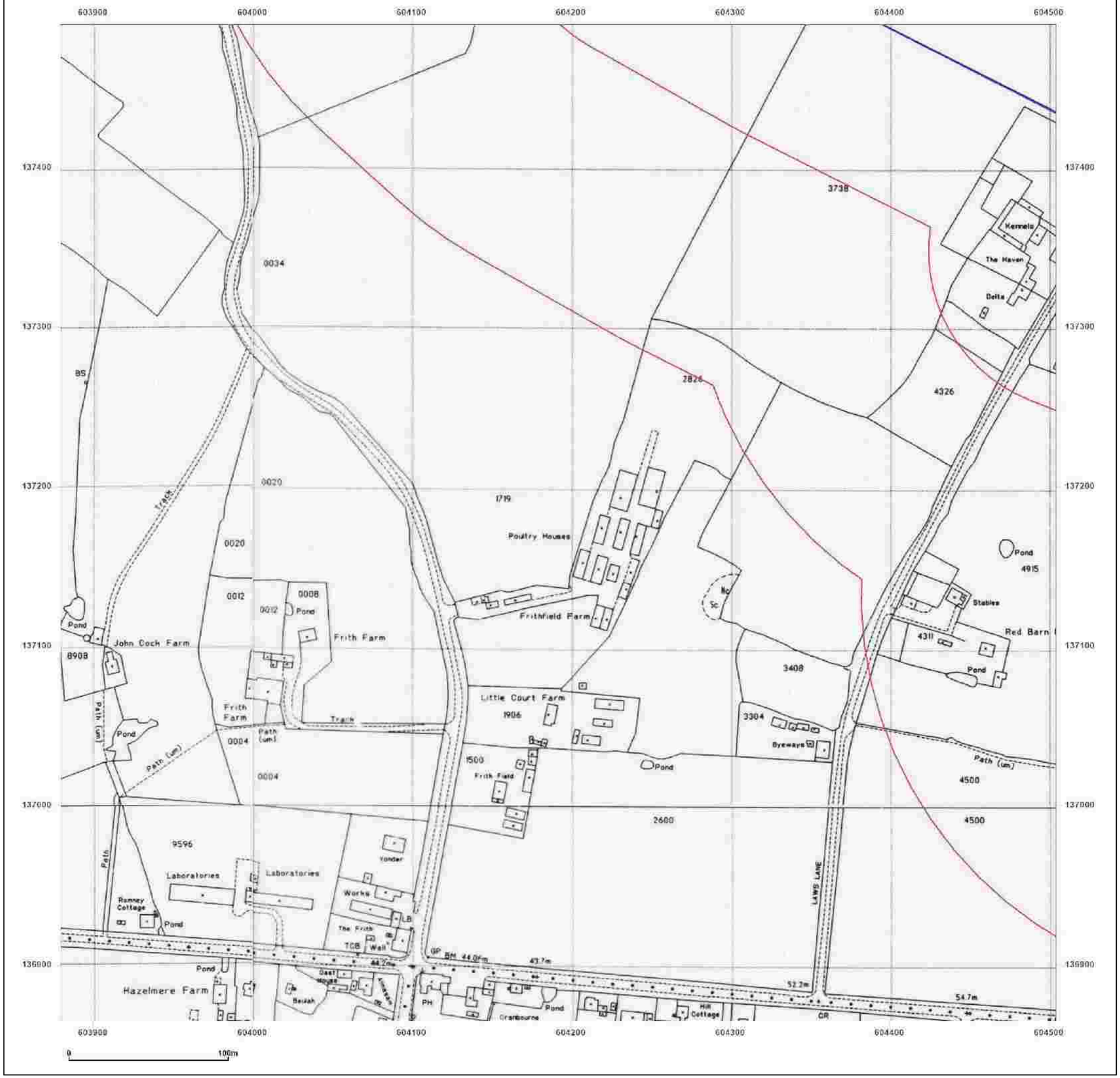

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

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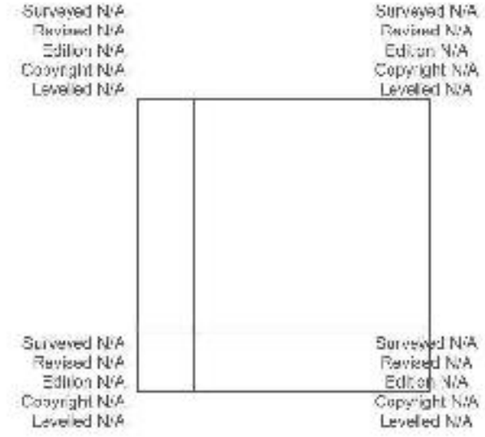

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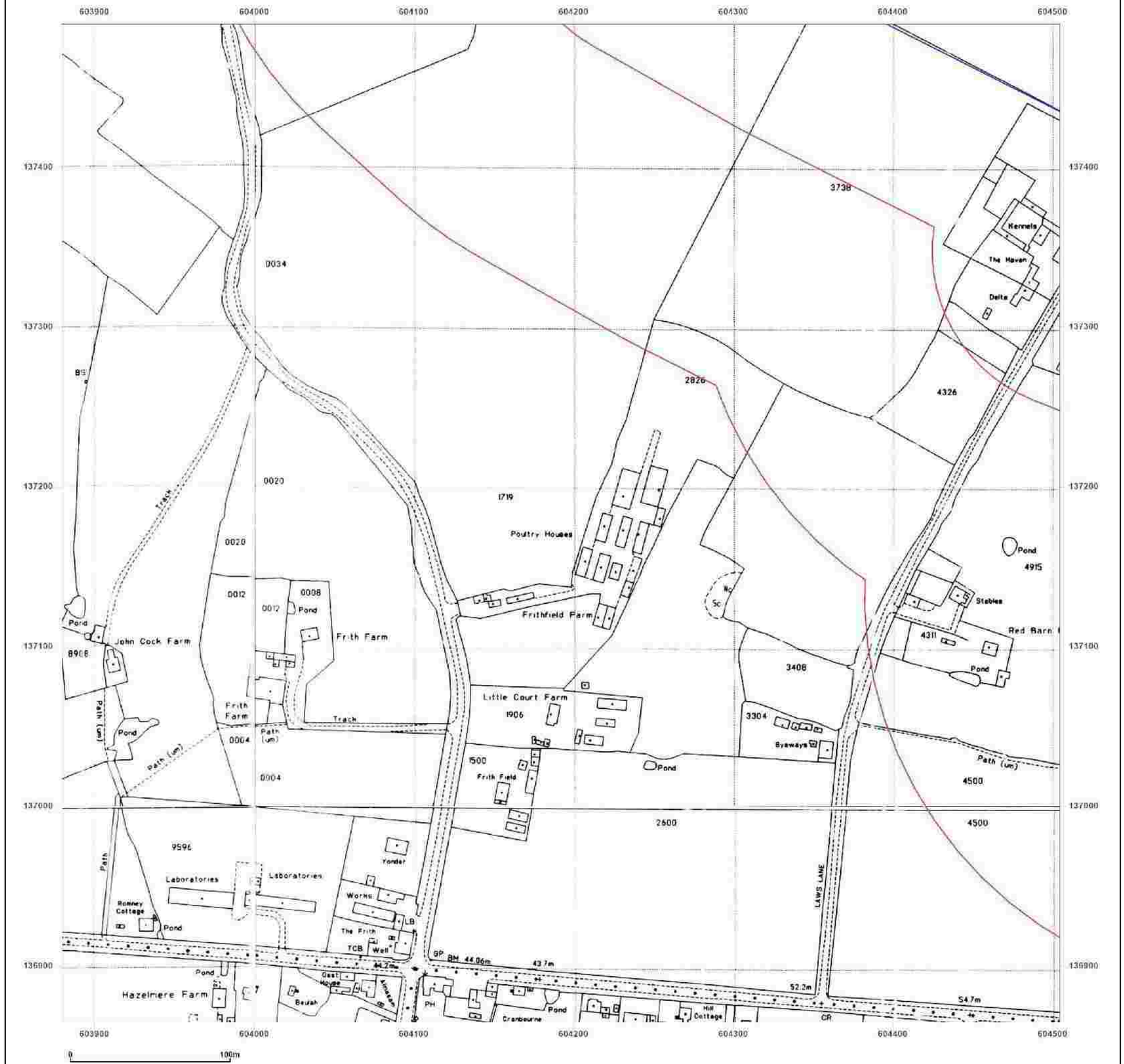

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_2
Grid Ref: 604192, 137177

Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

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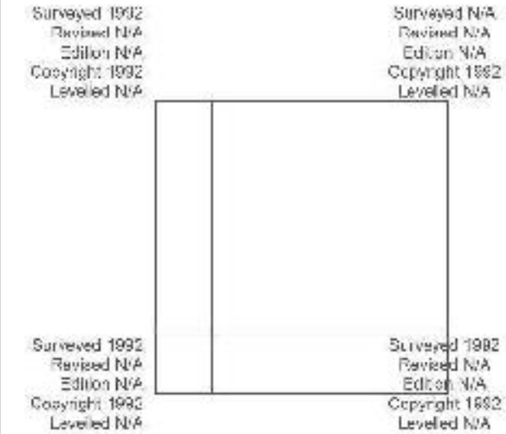

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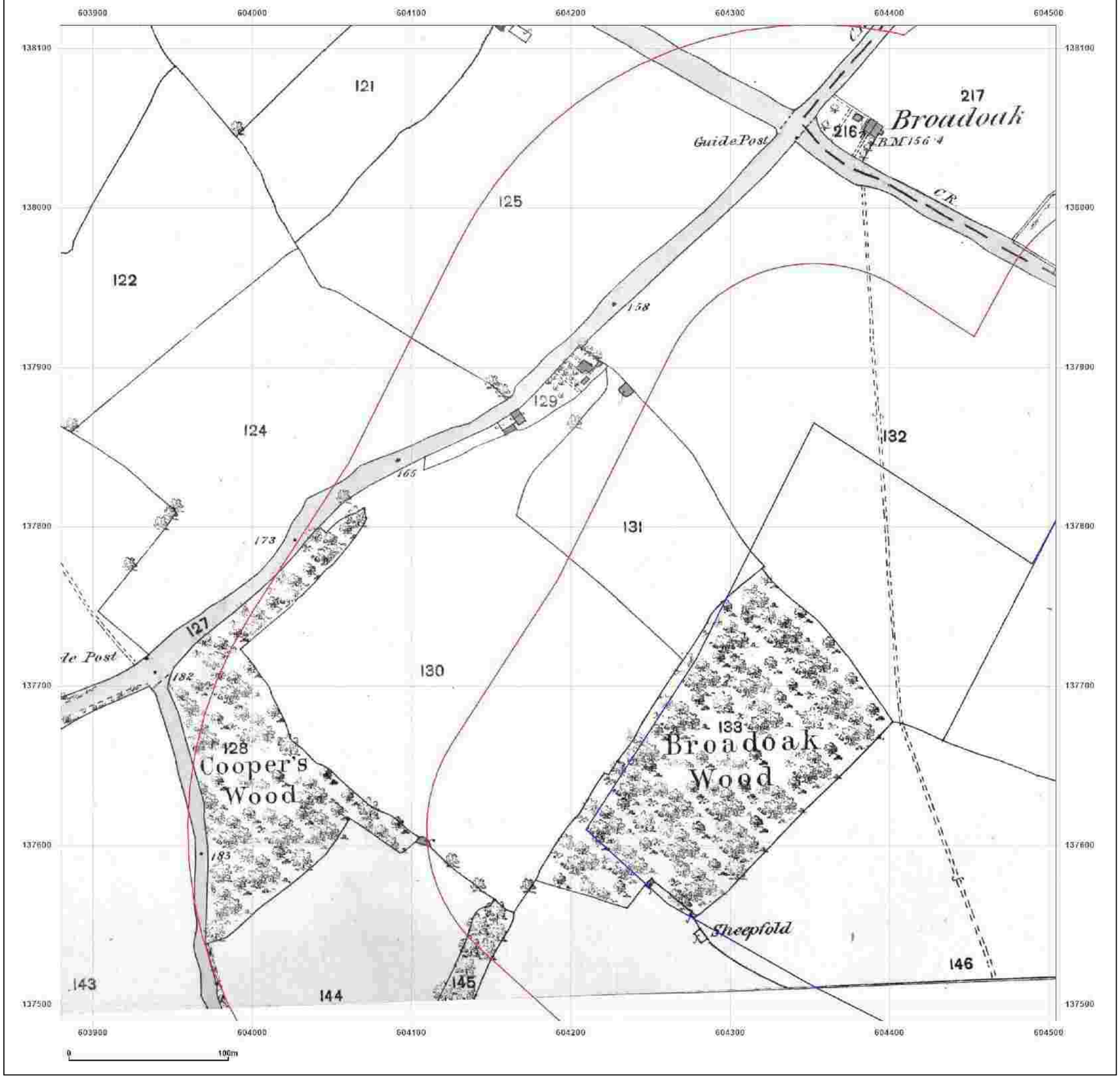

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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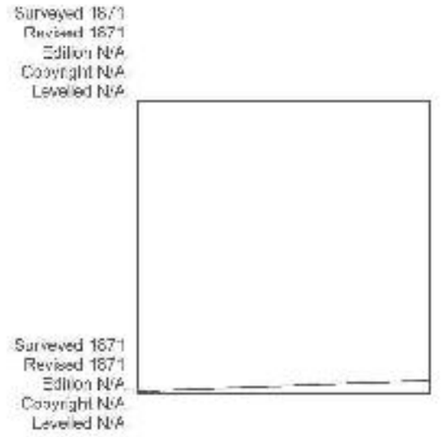

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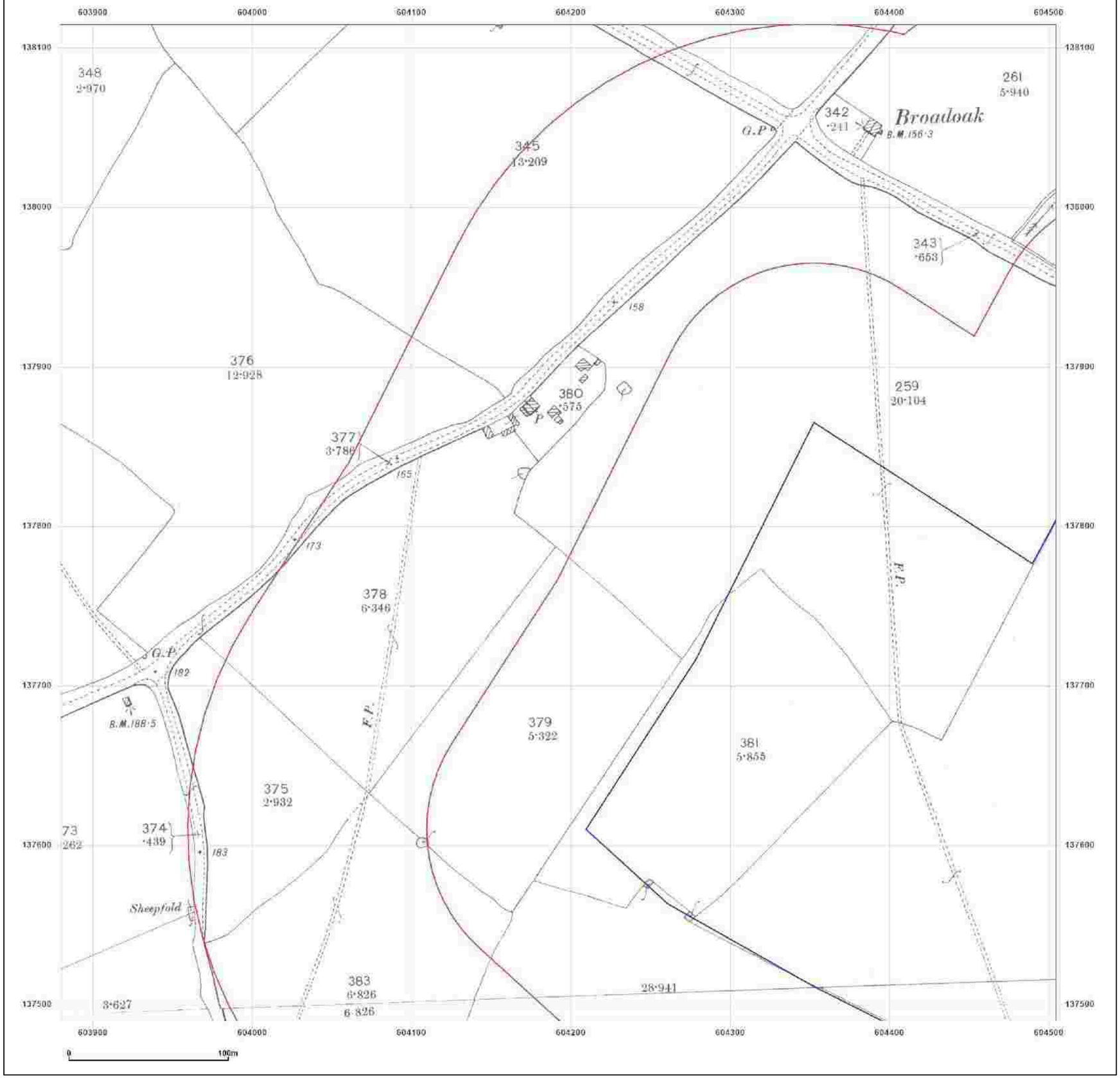

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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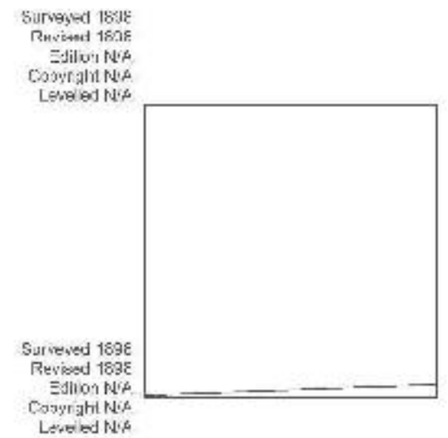

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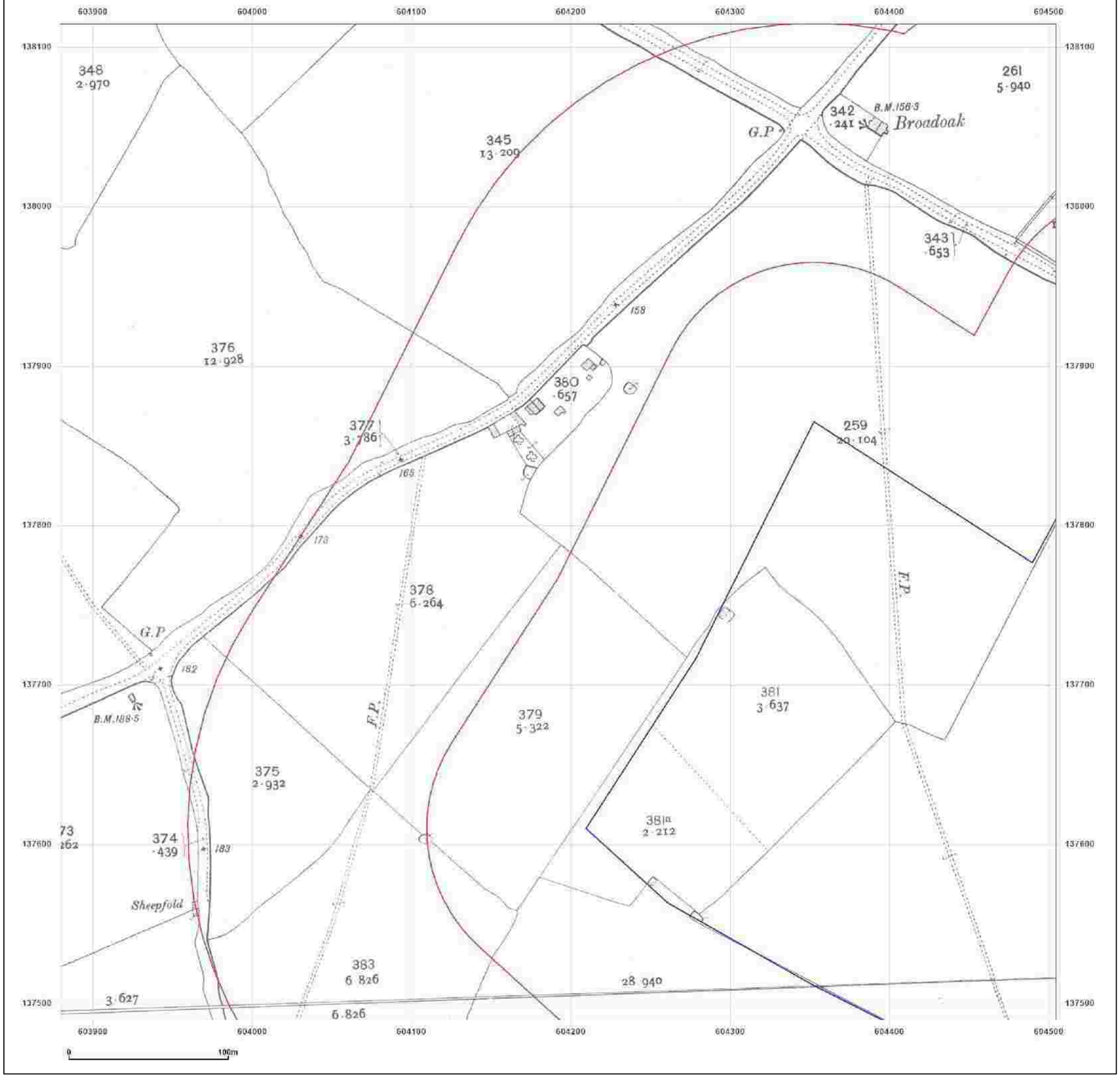

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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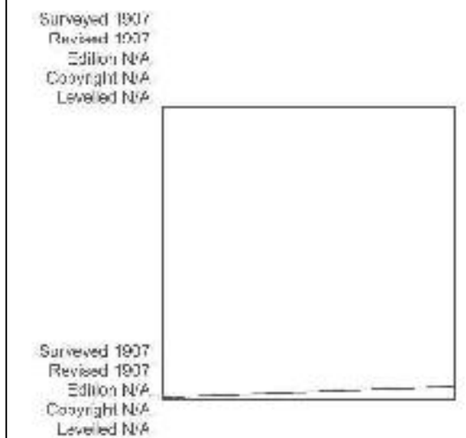

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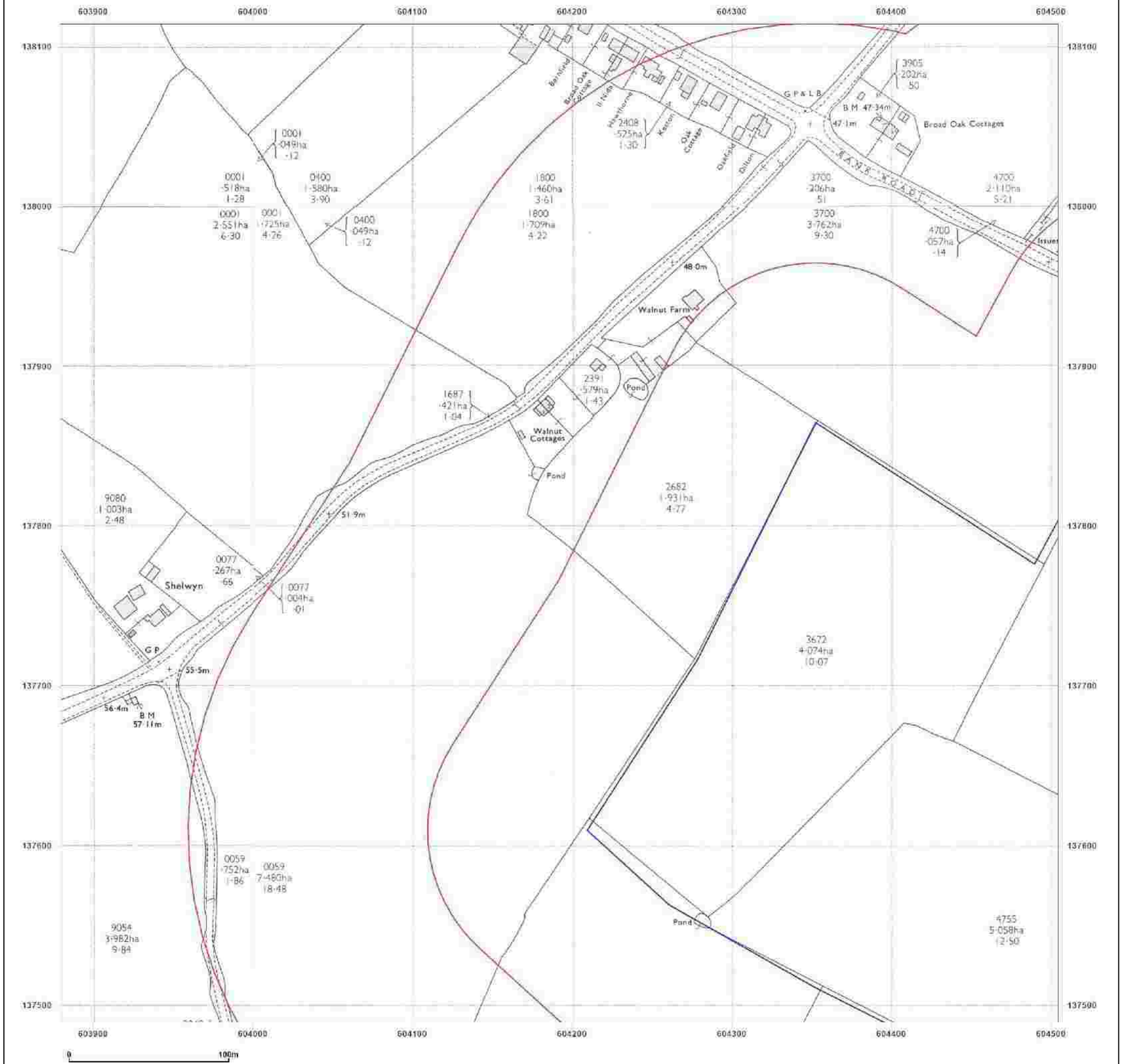

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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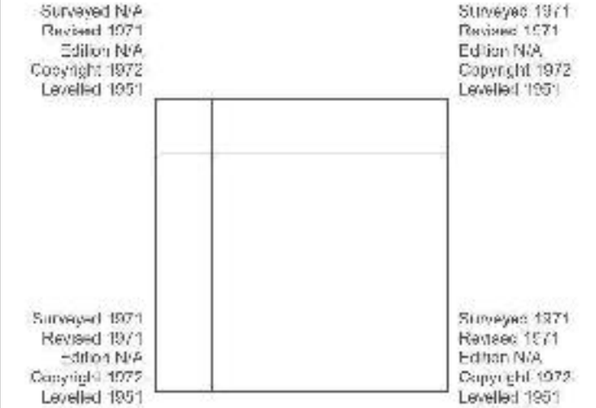

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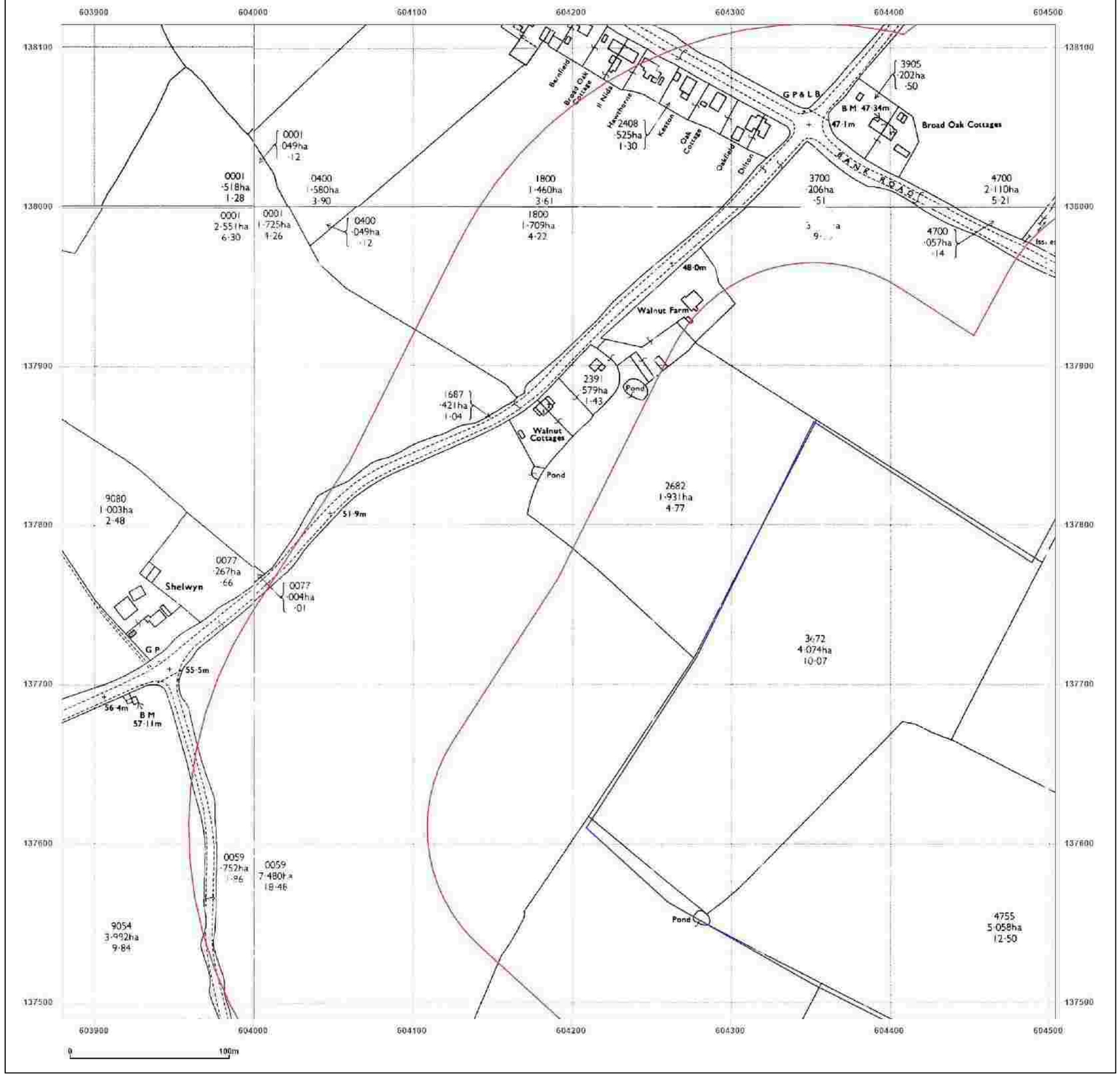

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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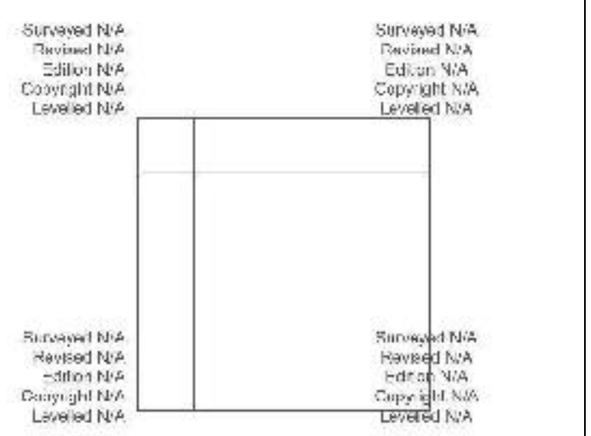

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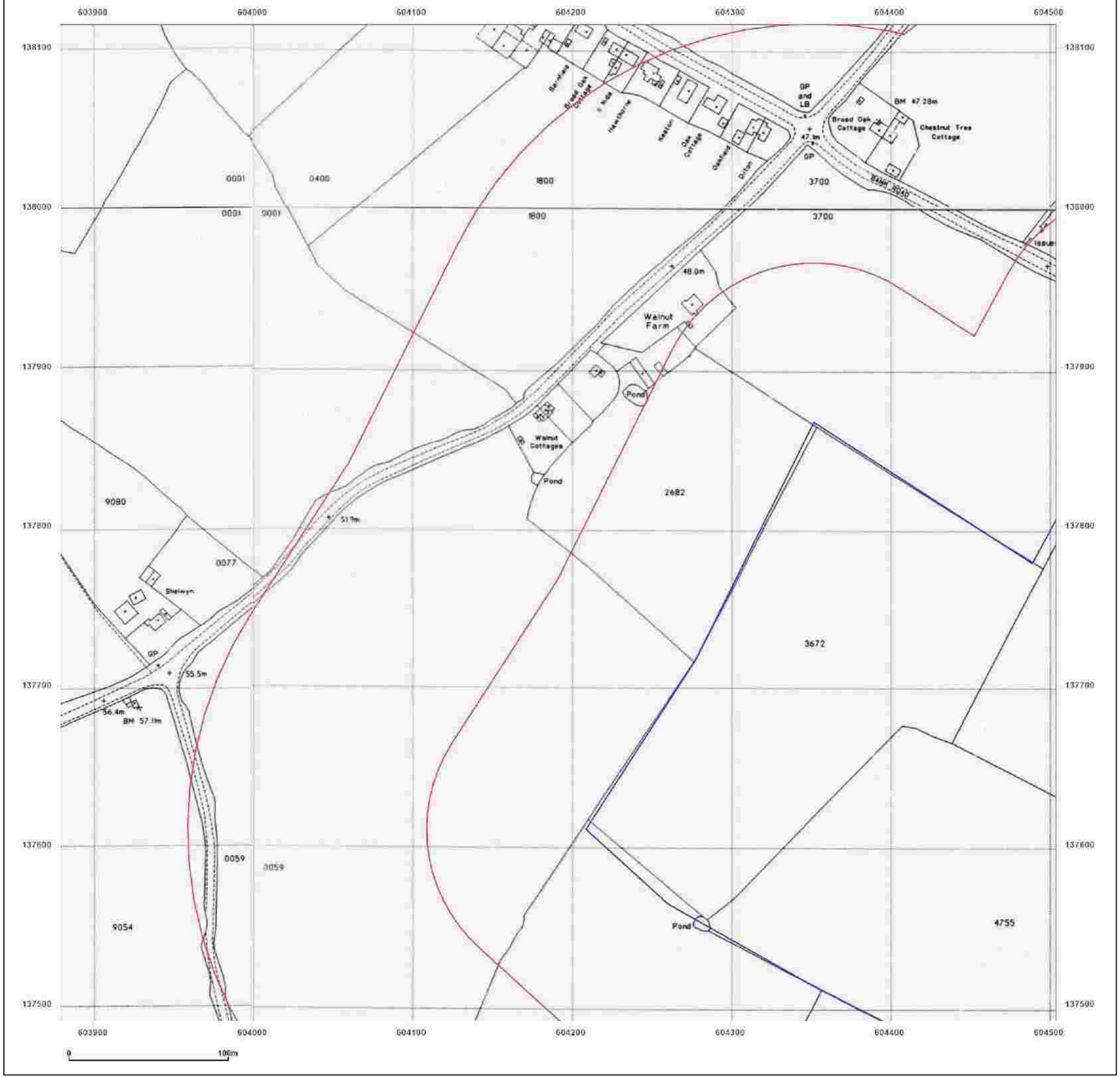

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

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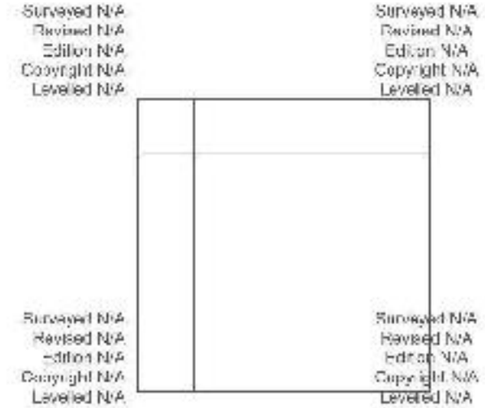

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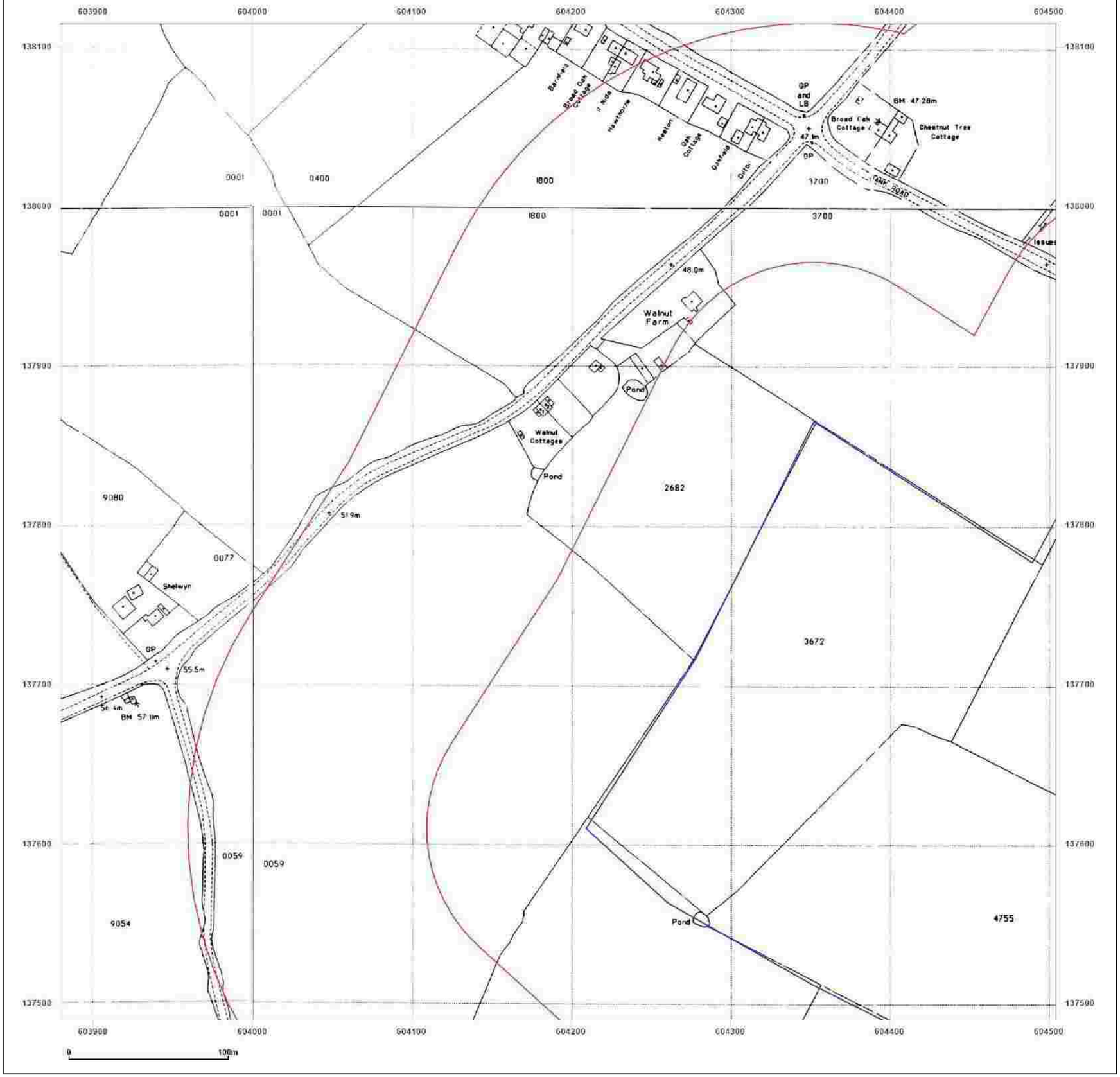

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_1_3
Grid Ref: 604192, 137802

Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

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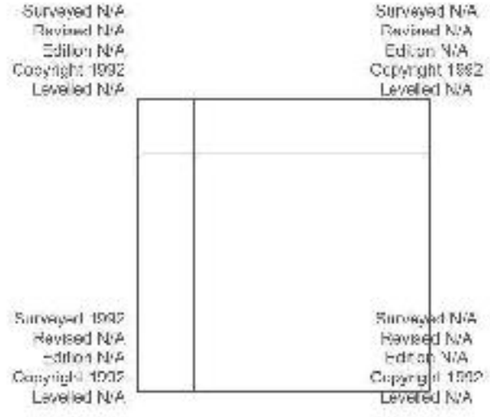

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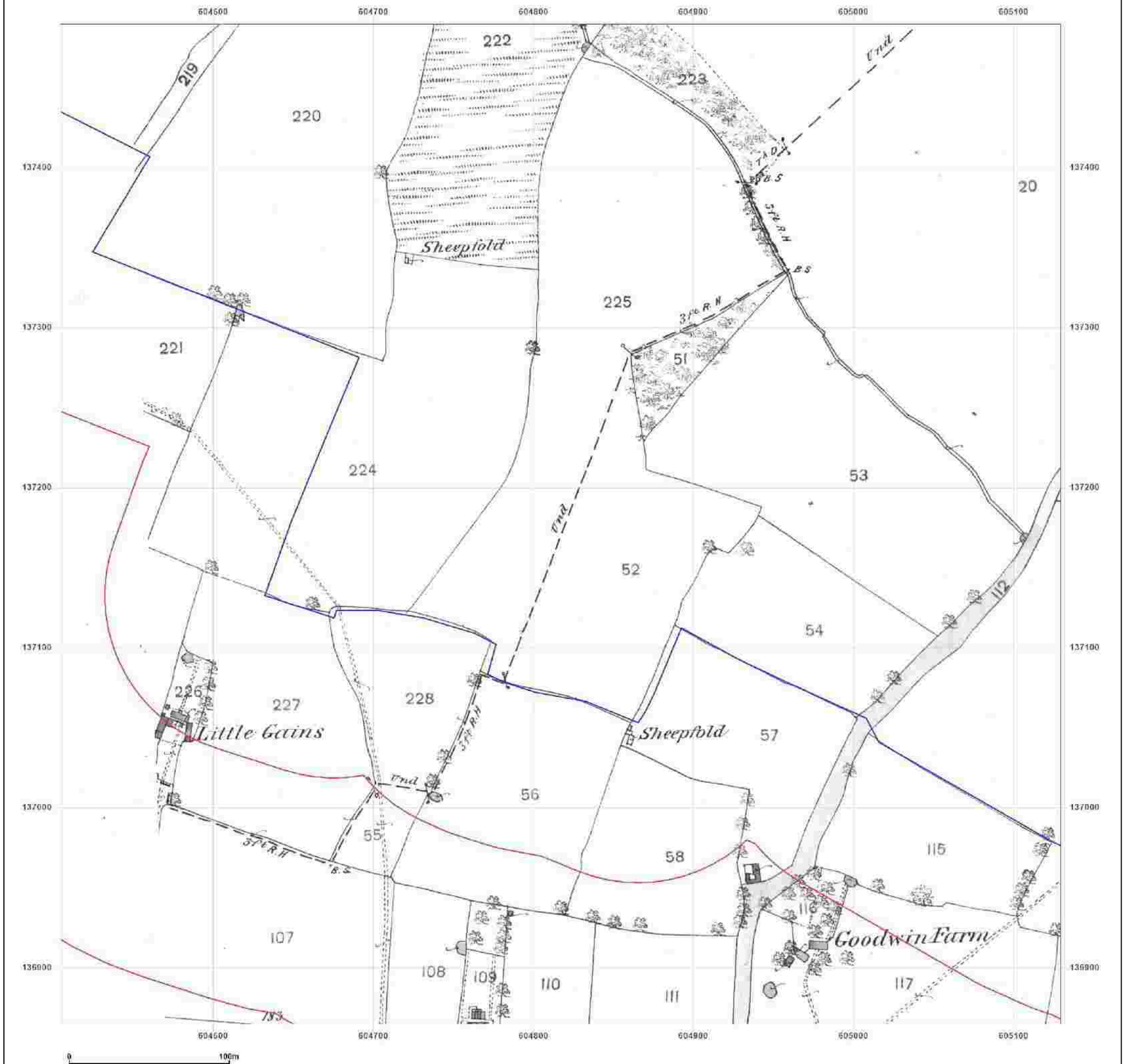

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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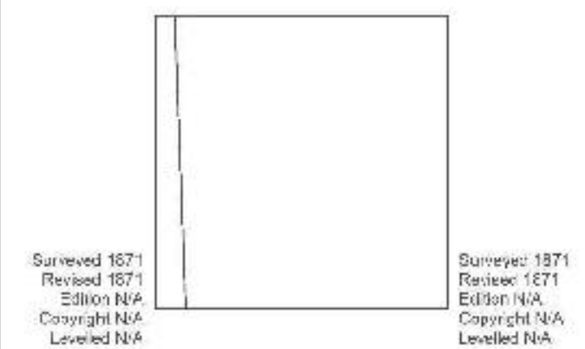

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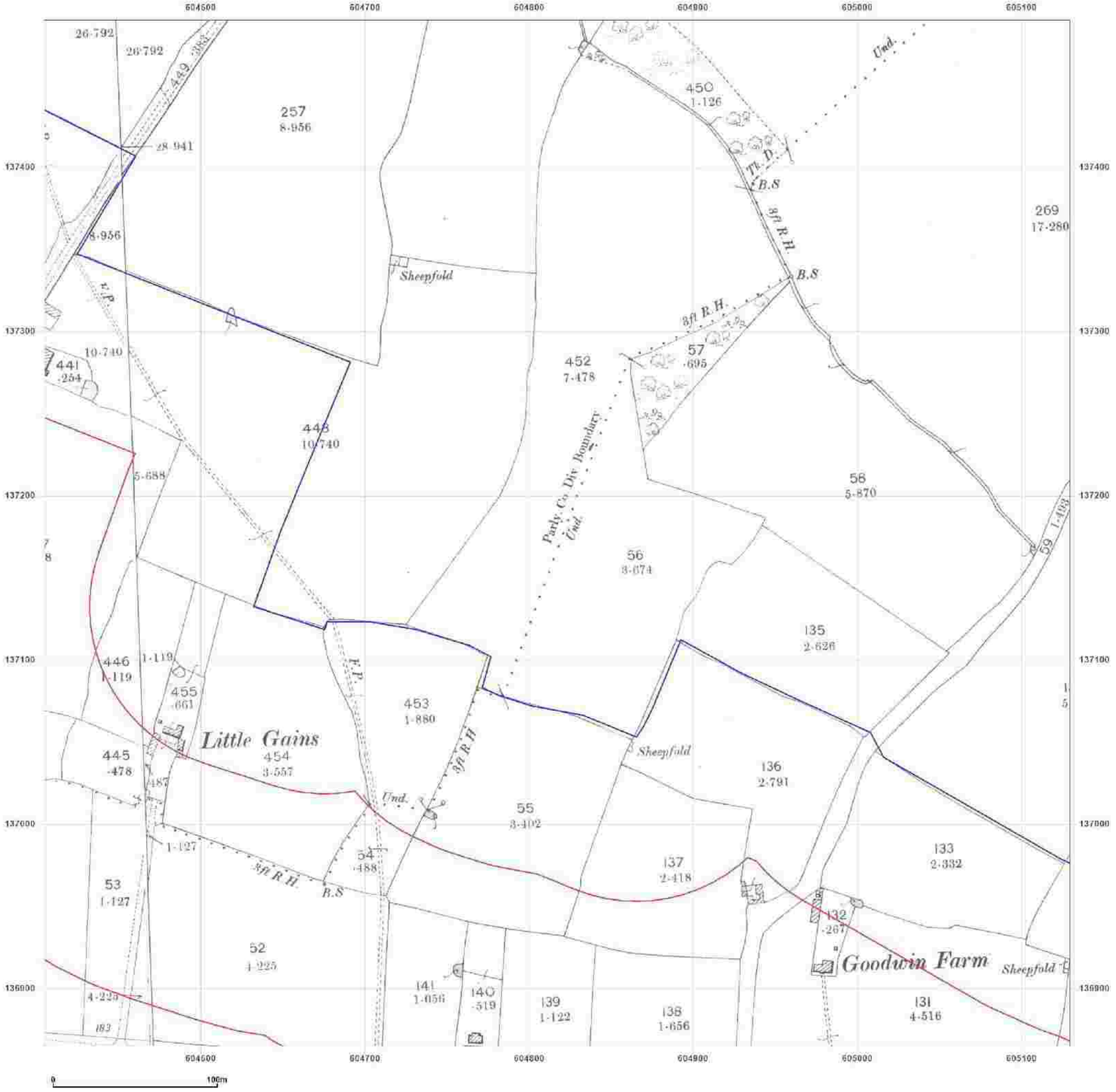

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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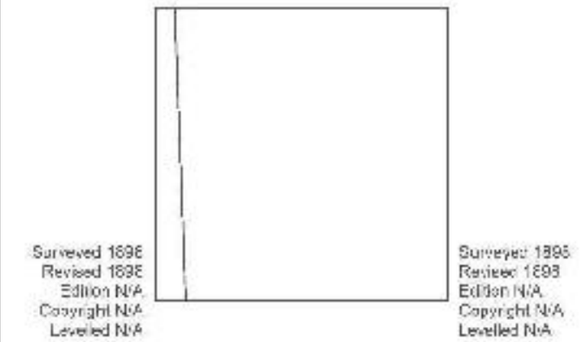

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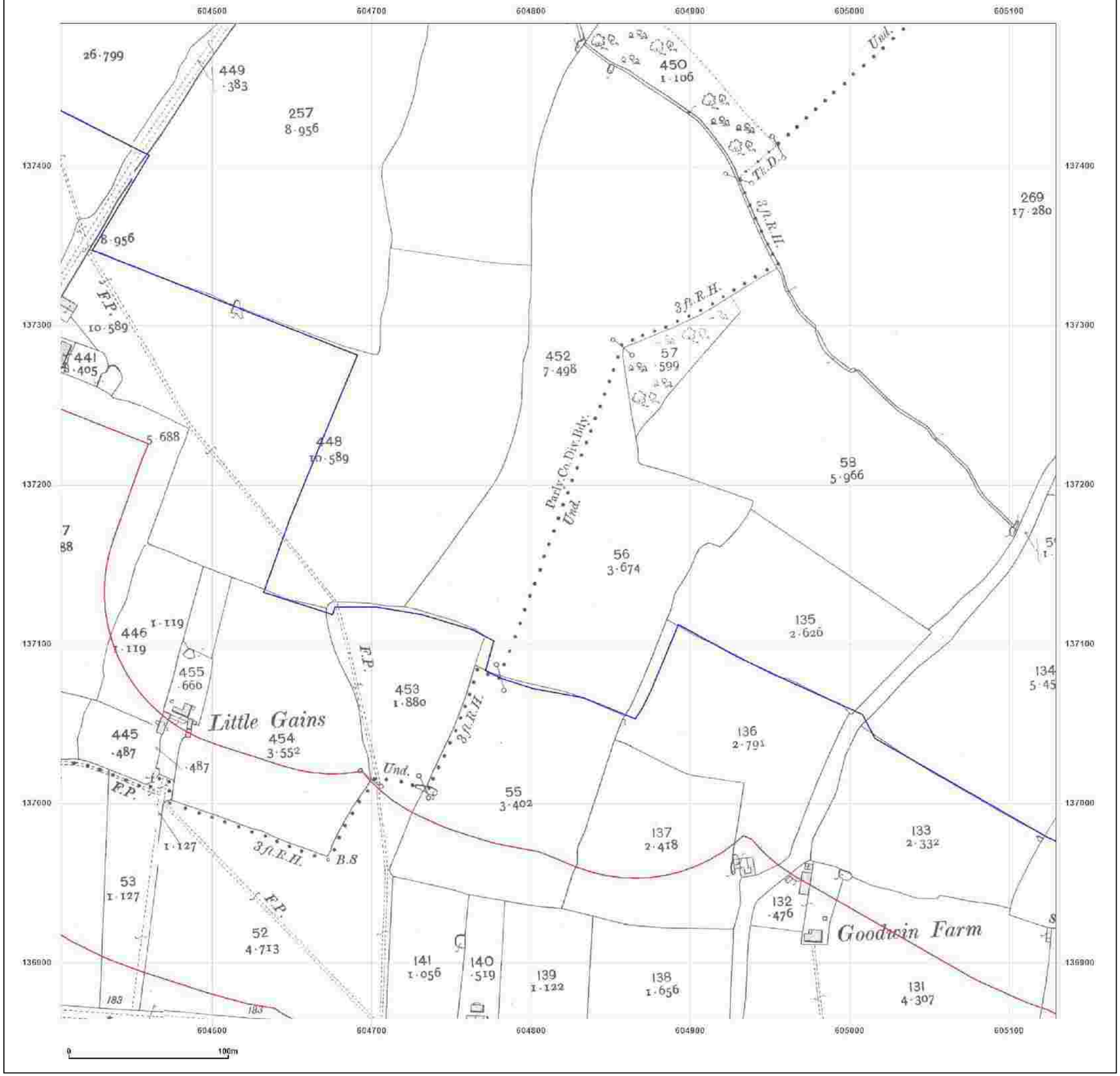

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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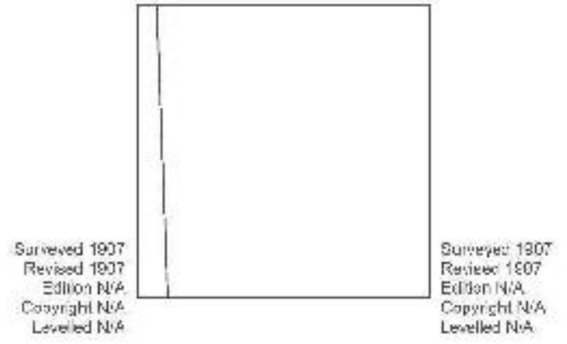

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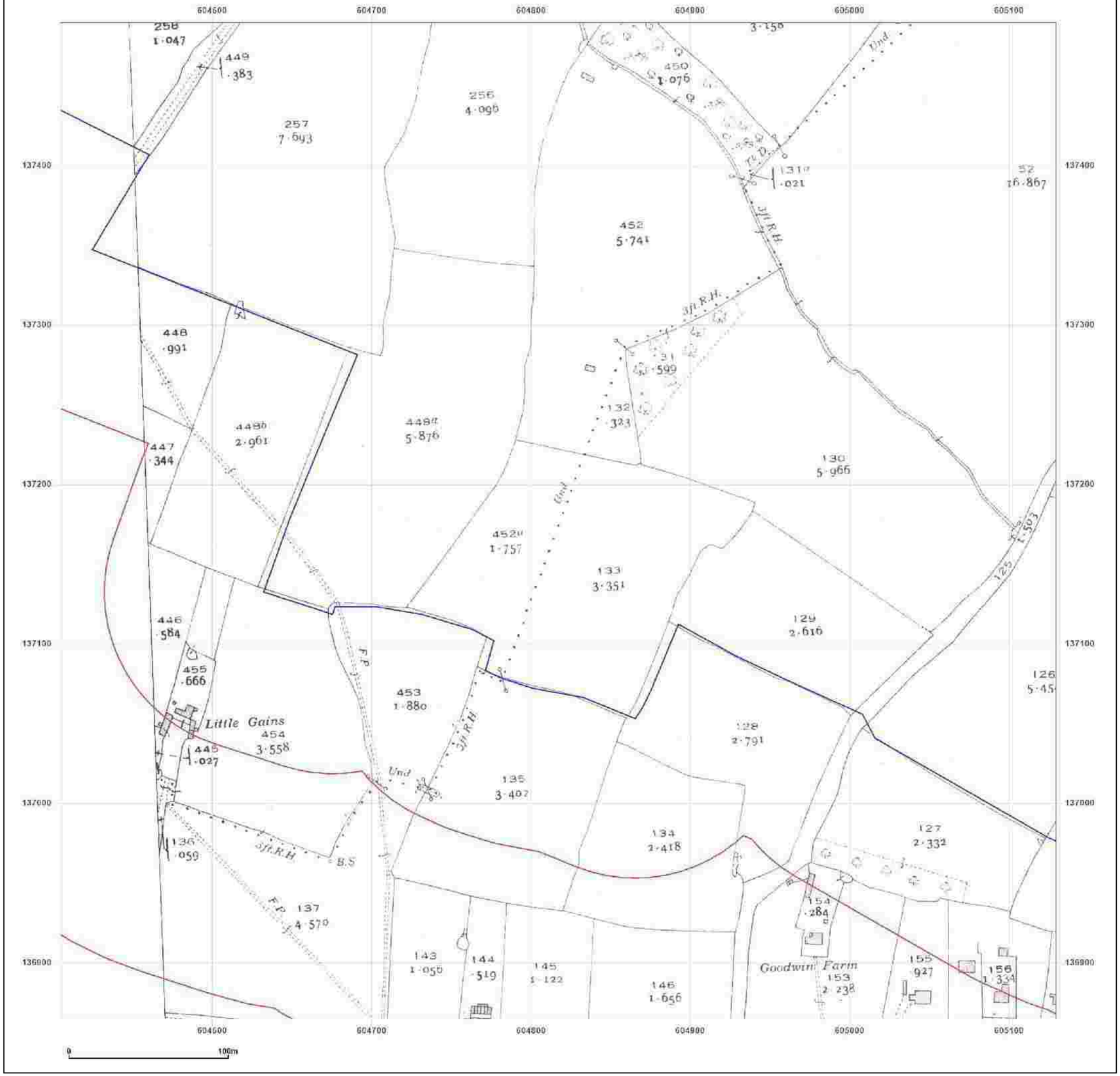

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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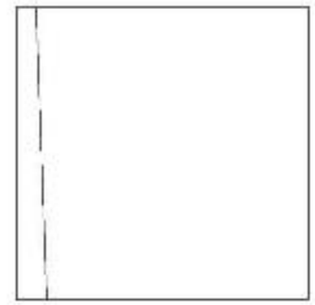

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Revised 1939
Edition N/A
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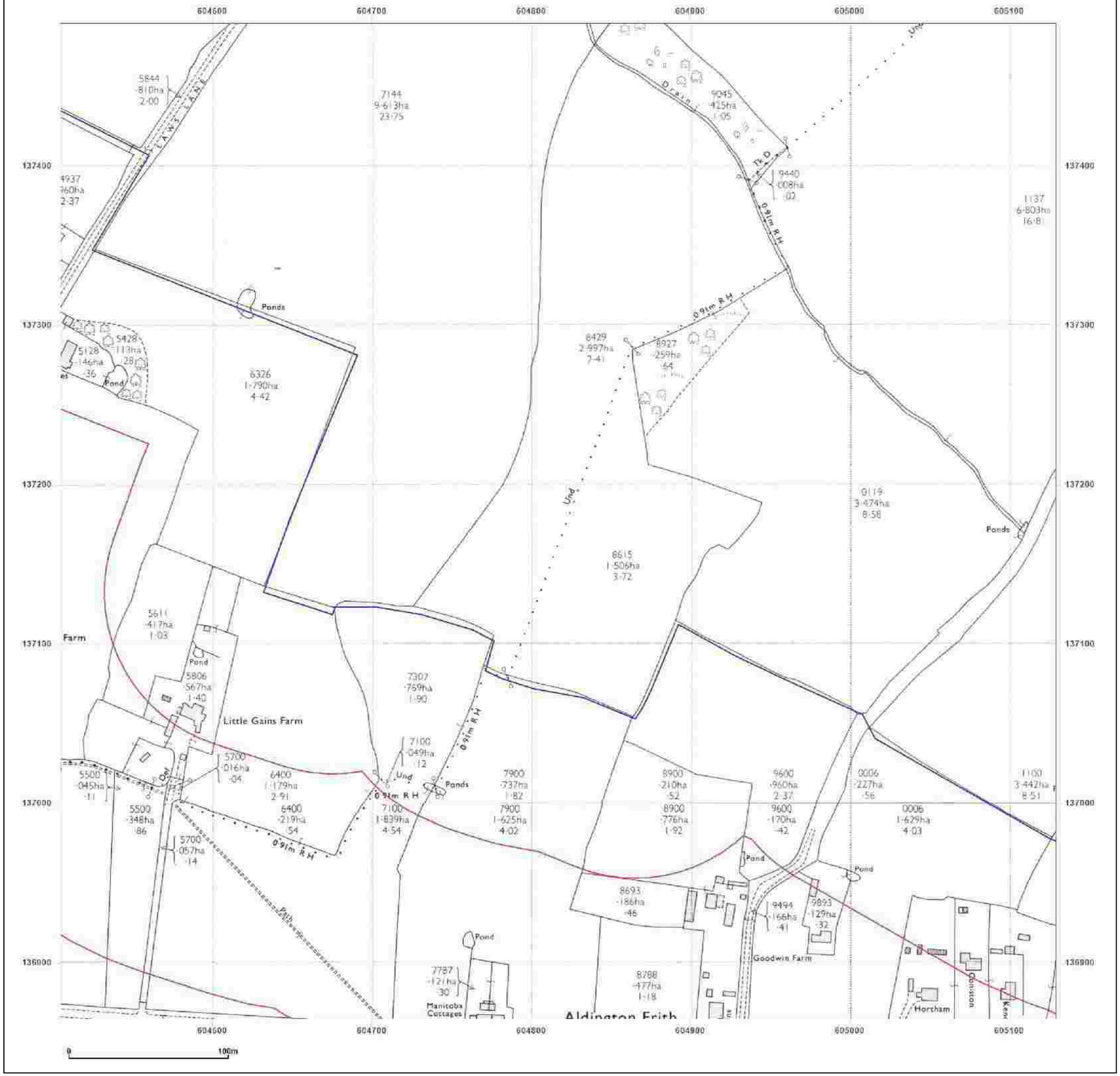

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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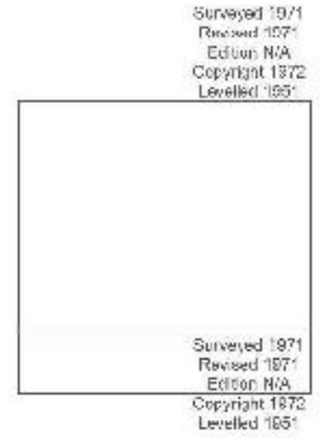

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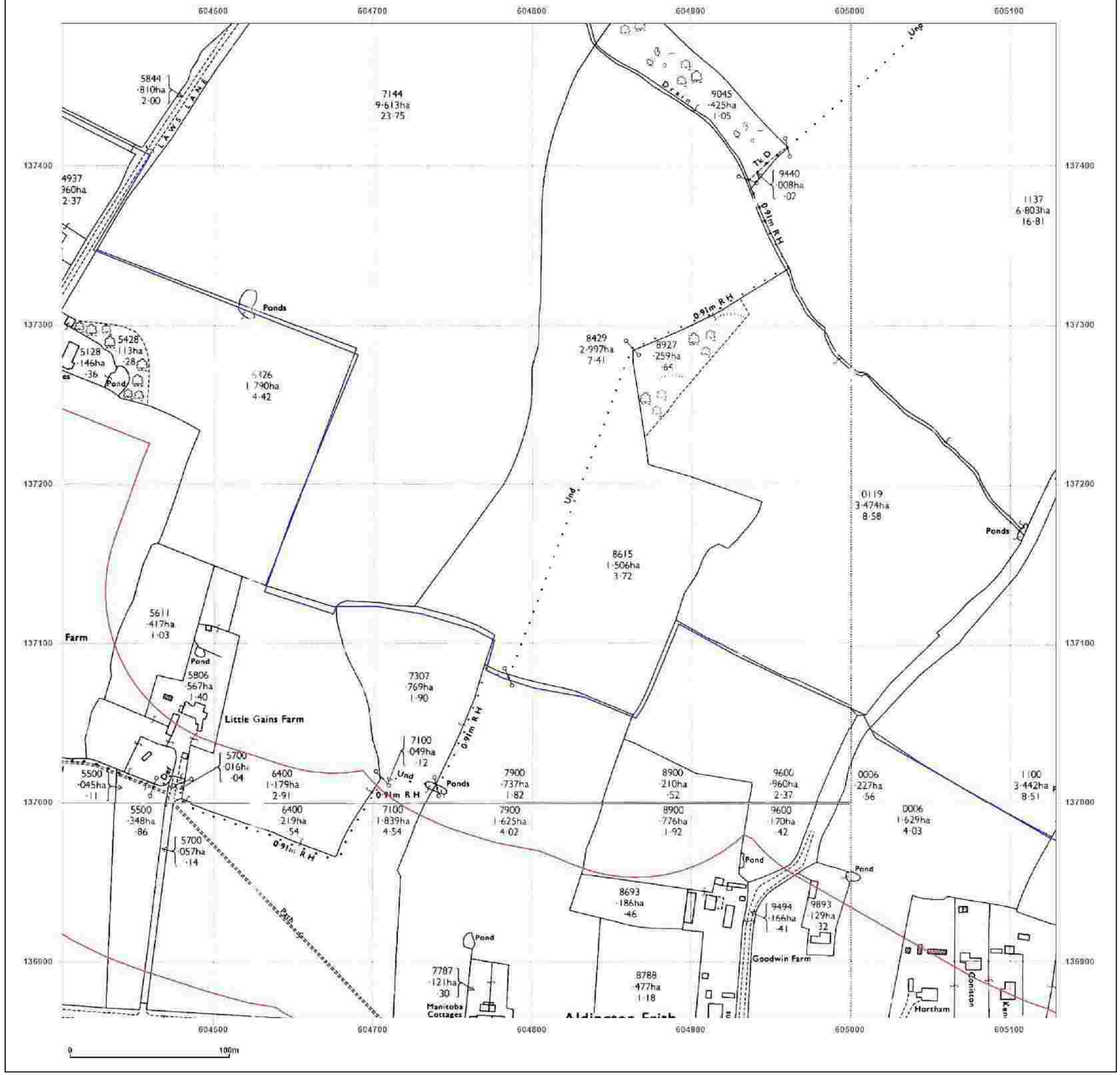

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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Revised N/A
Edition N/A
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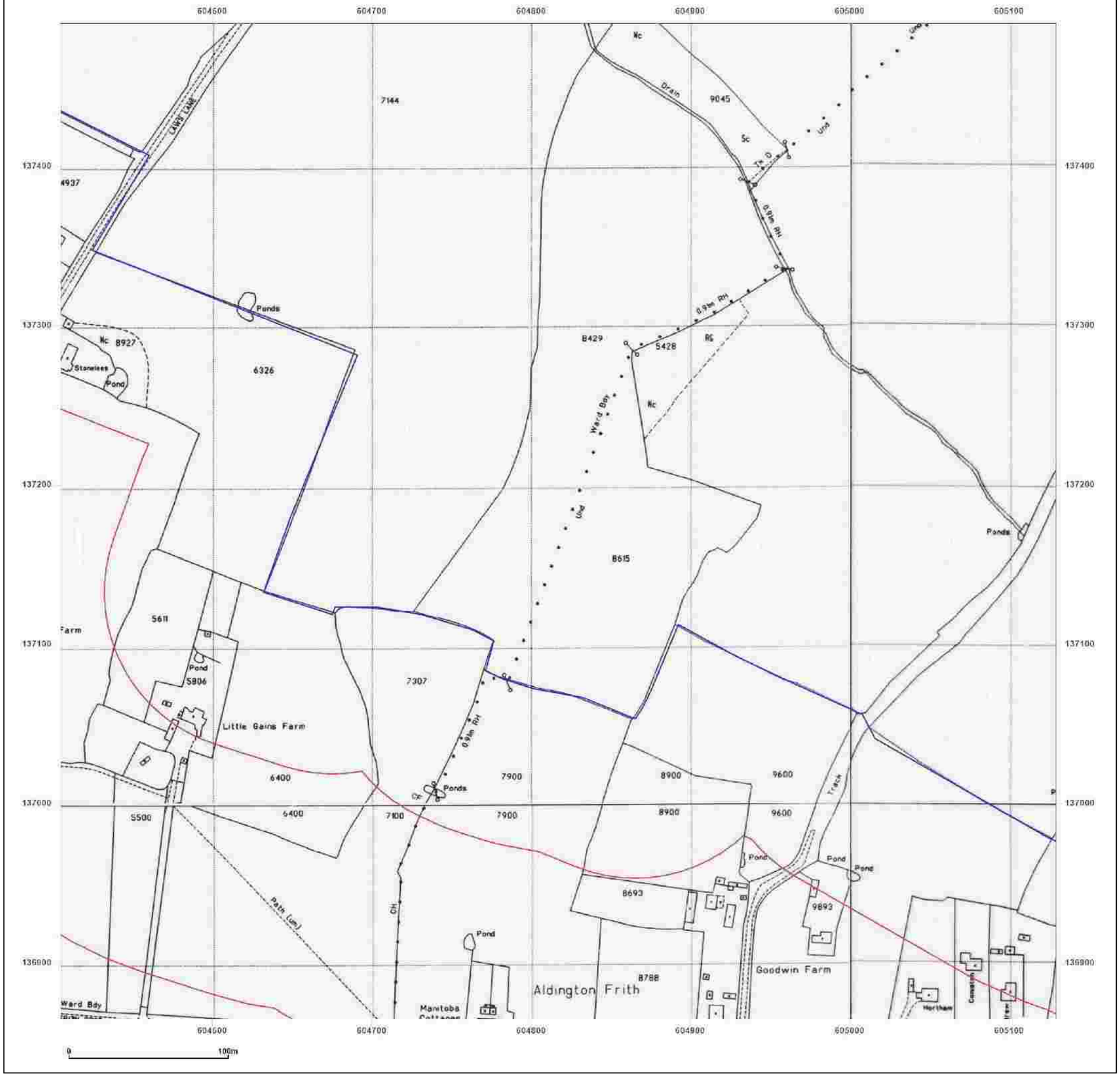

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: National Grid

Map date: **1992-1993**

Scale: 1:2,500

Printed at: 1:2,500

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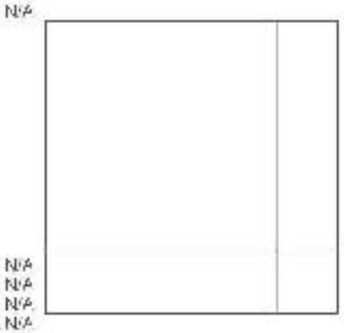
Edition N/A
Copyright 1993
Levelled N/A



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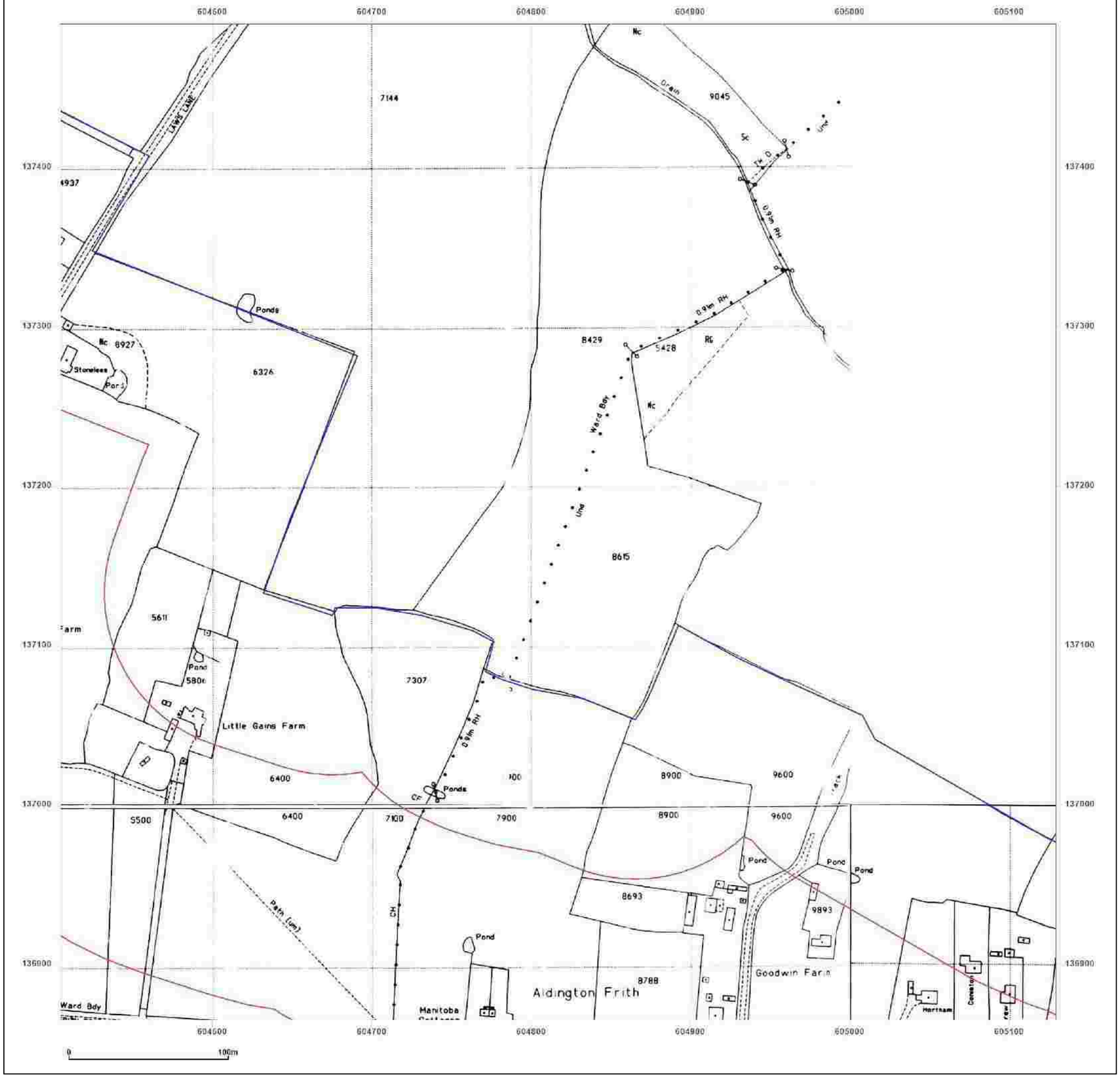

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_2
Grid Ref: 604817, 137177

Map Name: National Grid

Map date: **1992-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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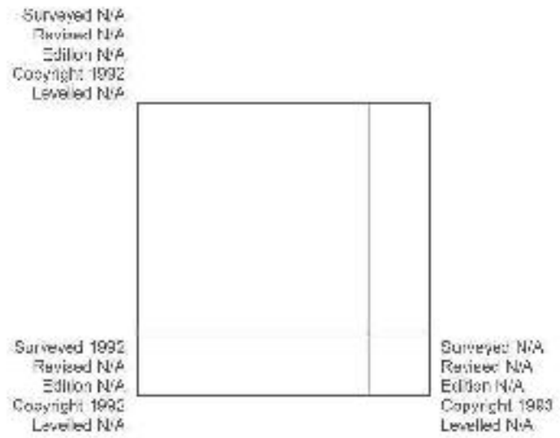

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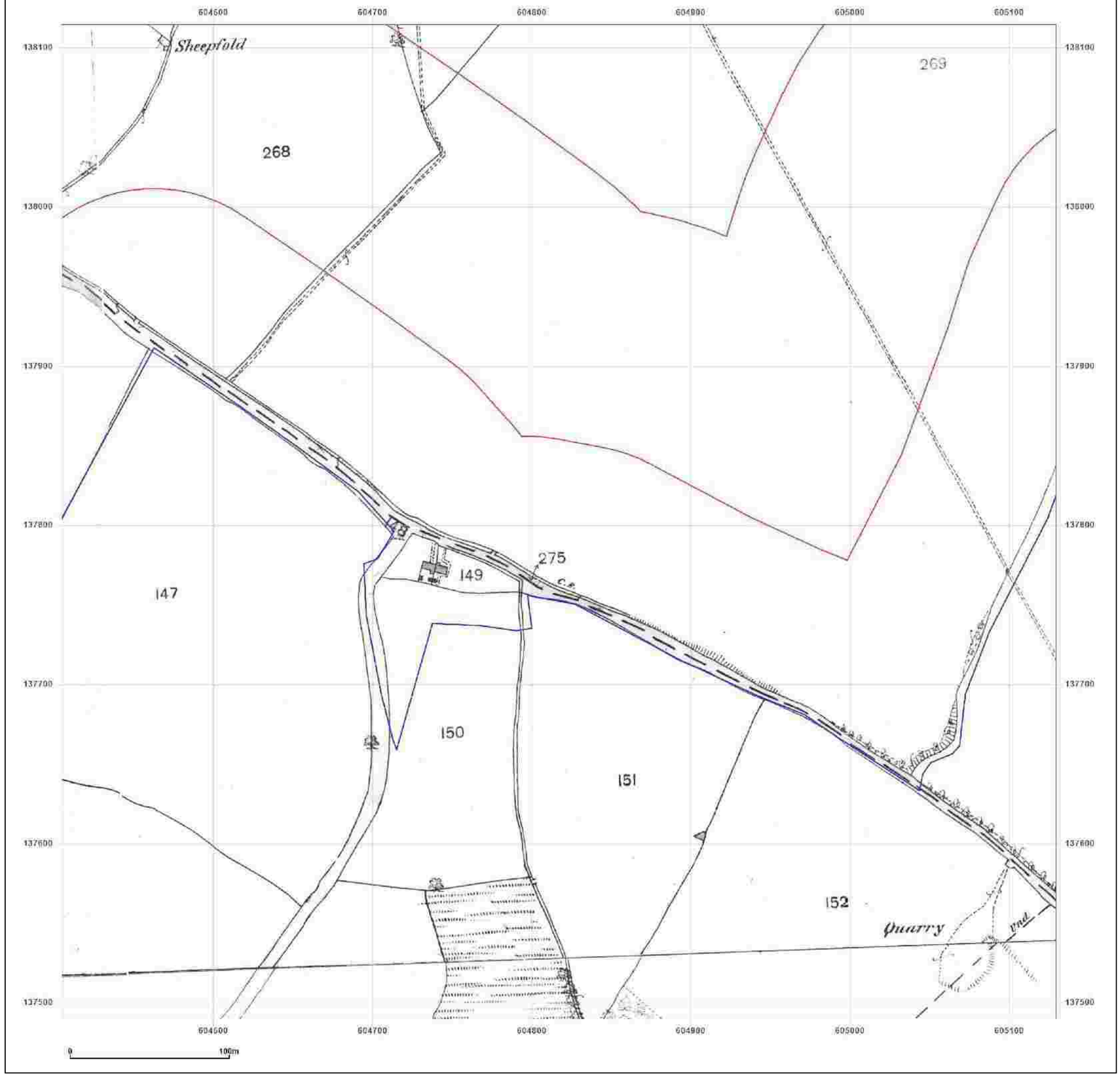

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

N
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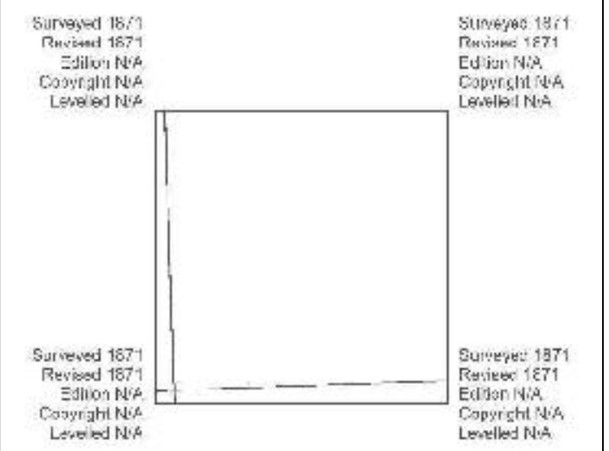

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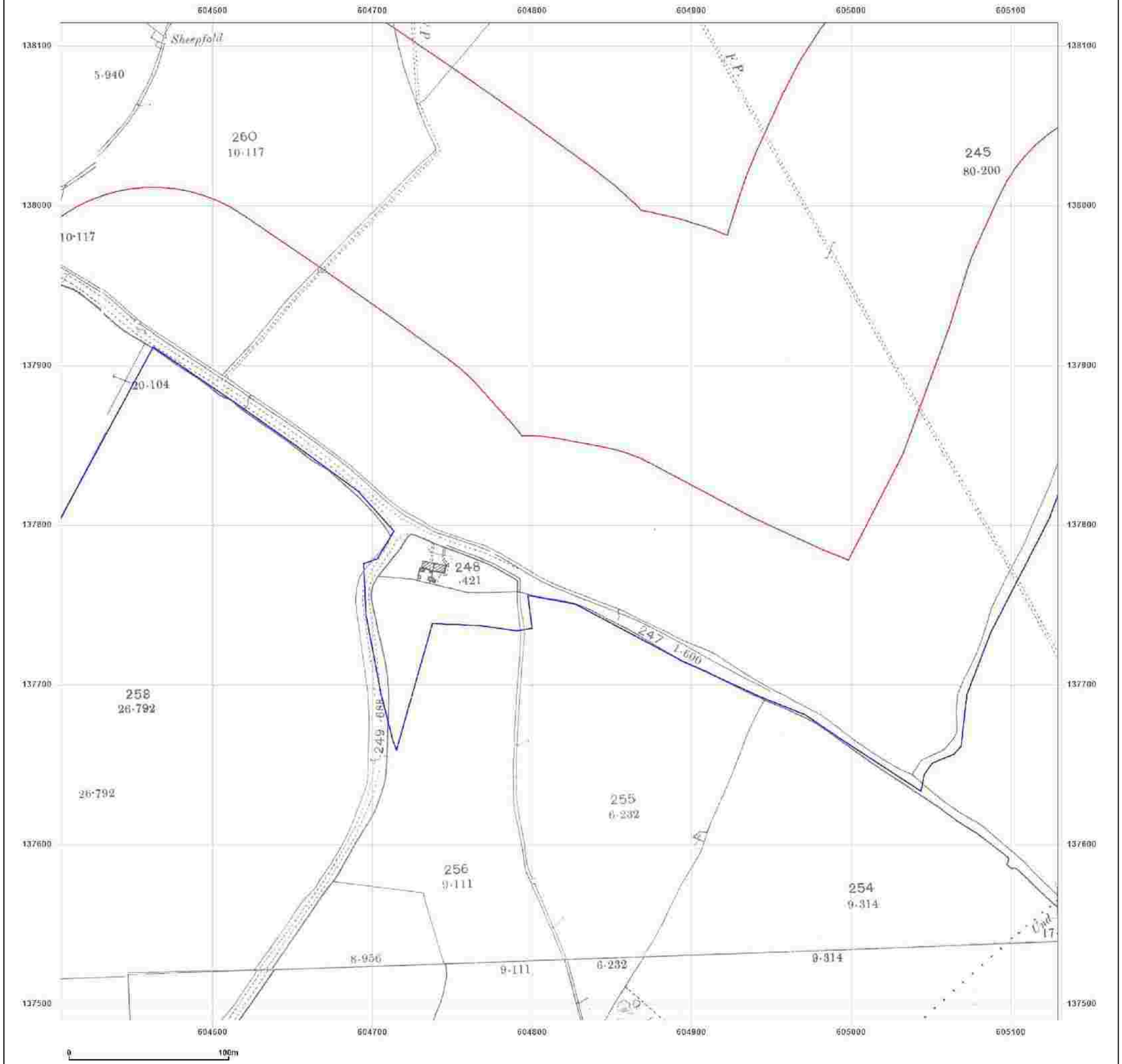

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
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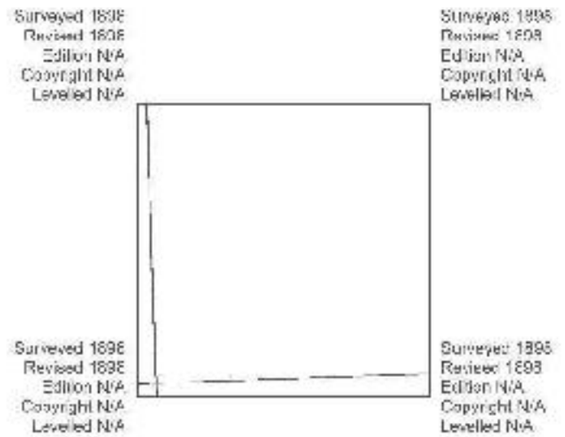

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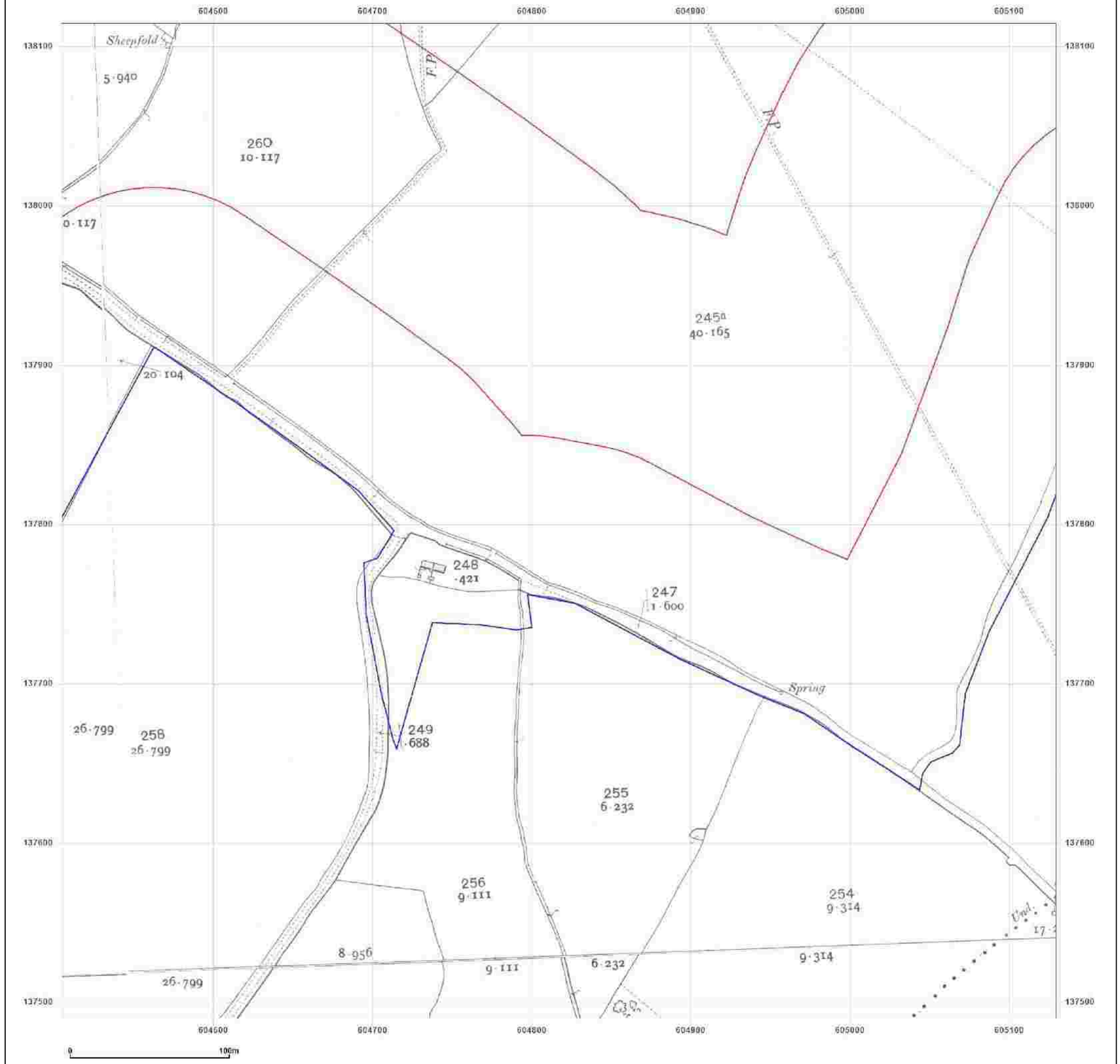

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

N
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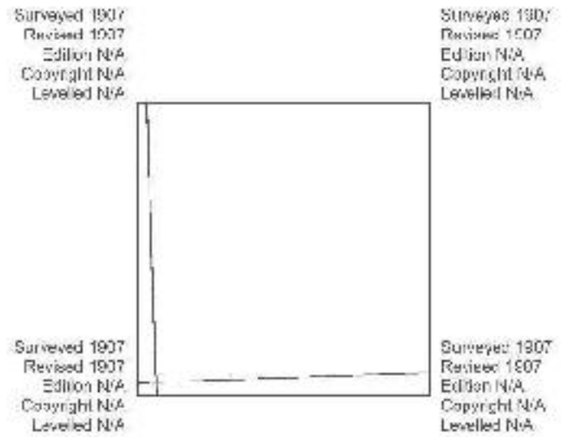

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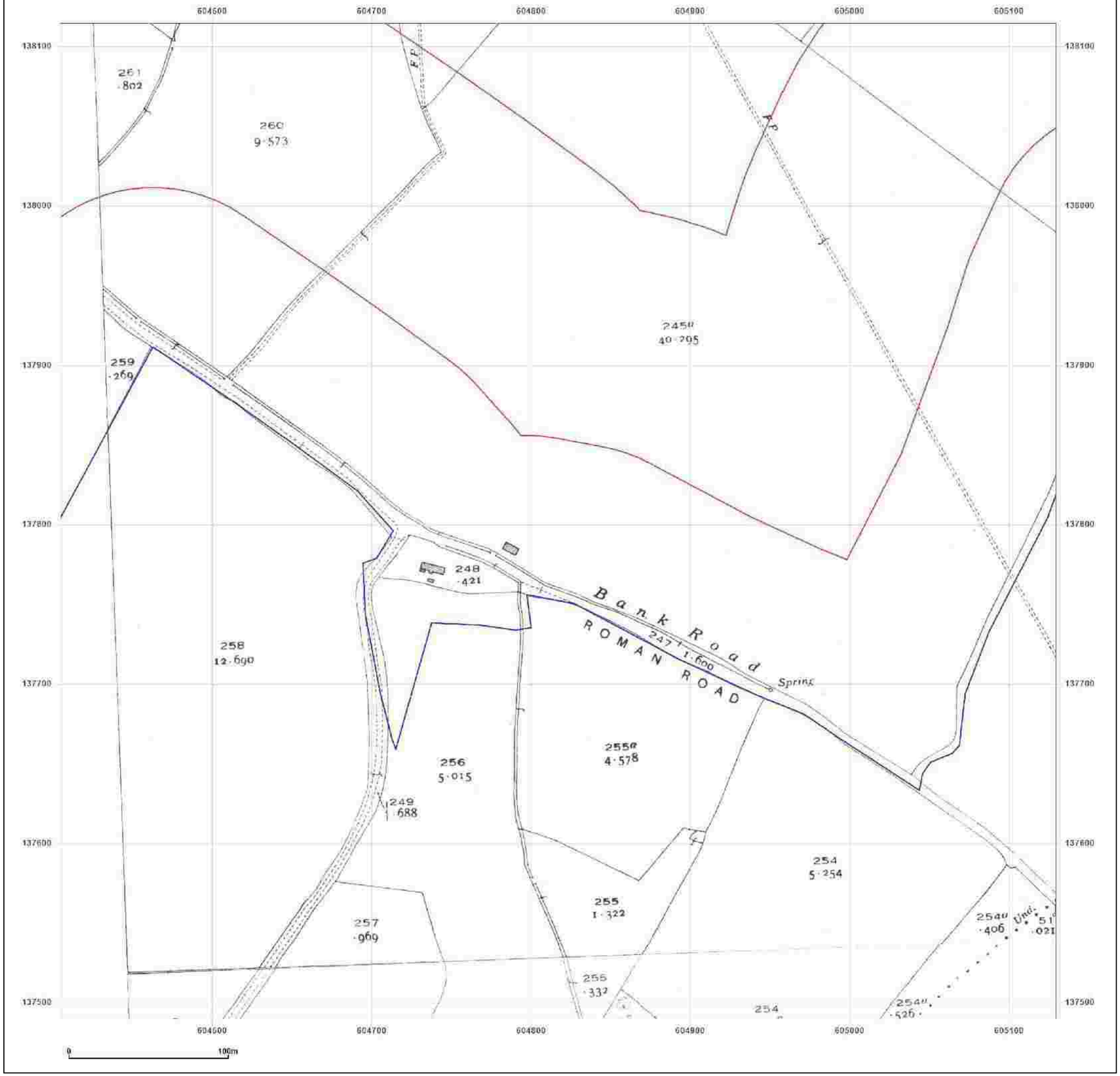

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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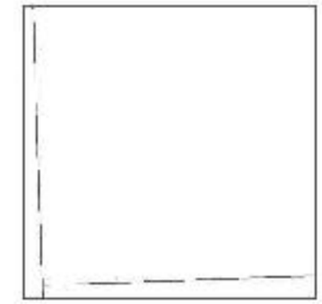

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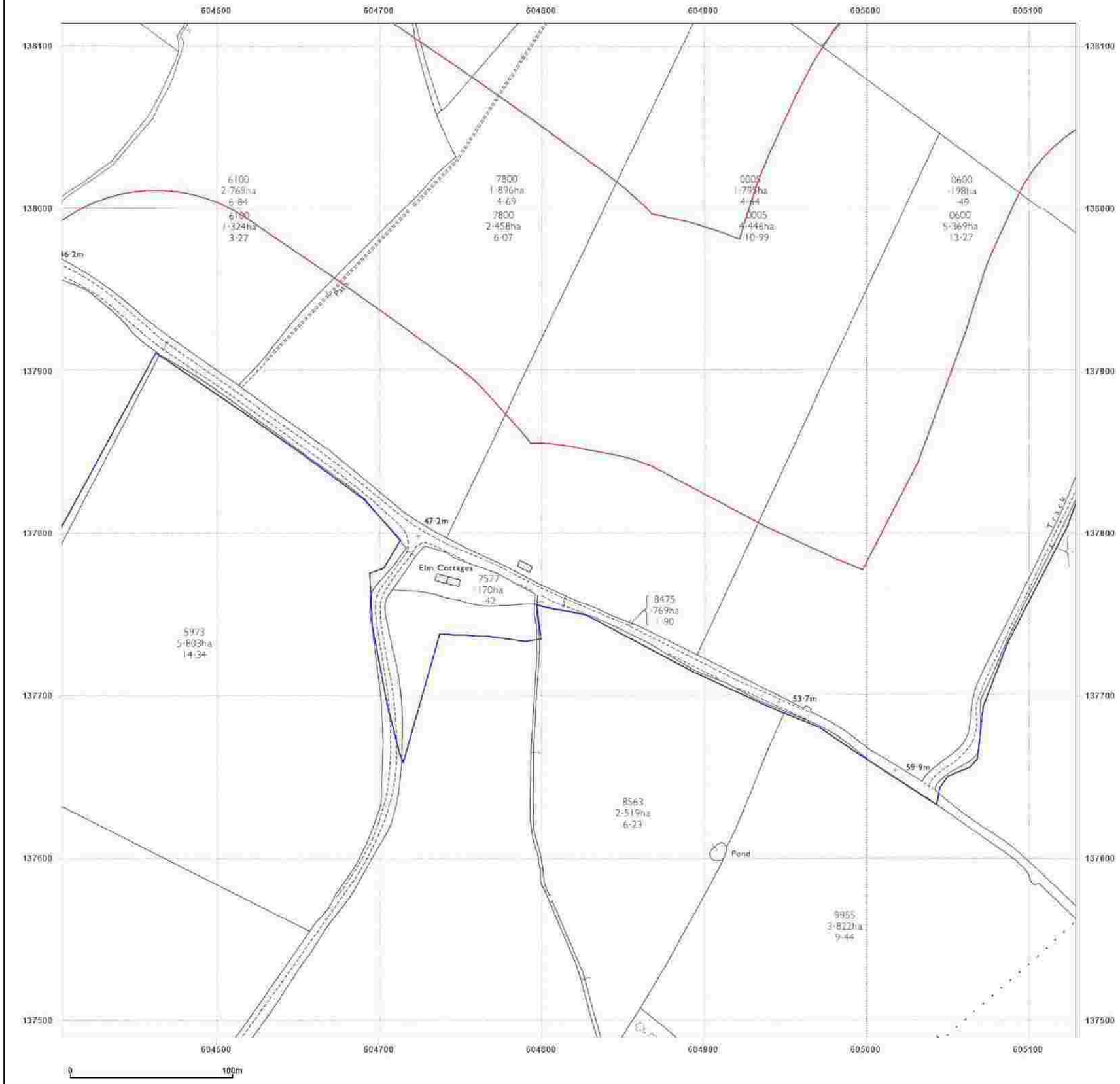

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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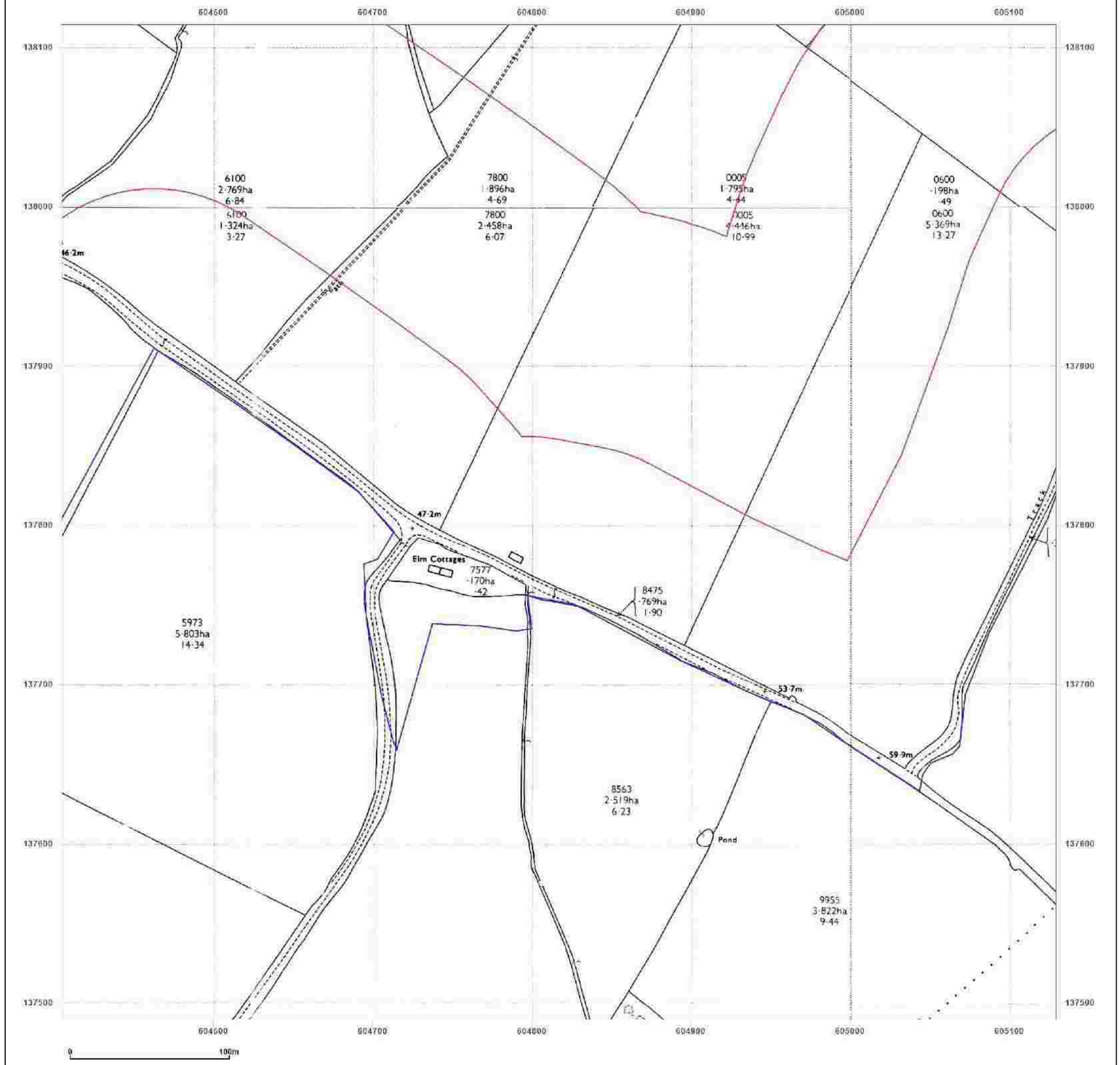

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed N/A
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Edition N/A
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Surveyed N/A
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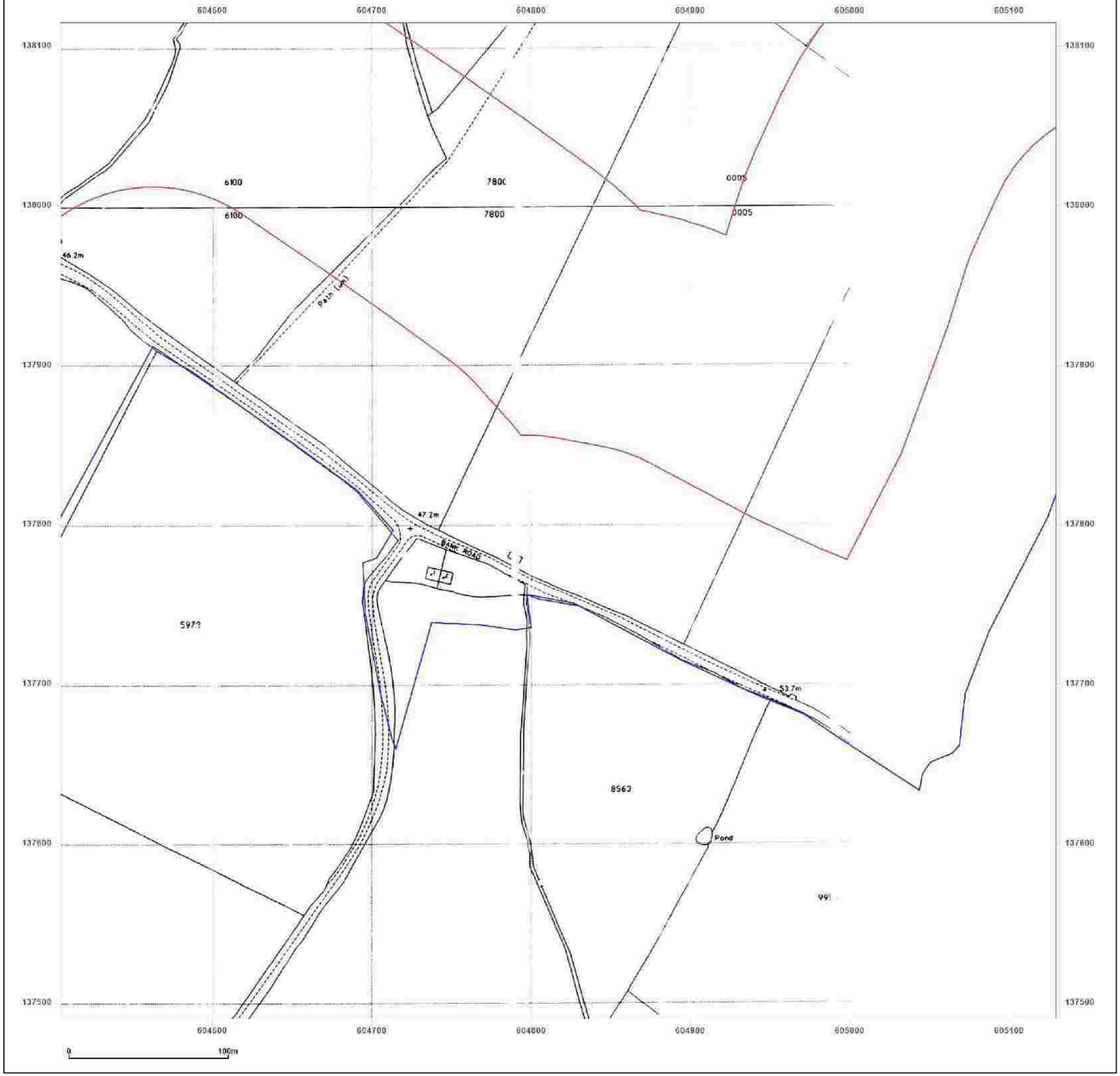

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Site Details:

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Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

N
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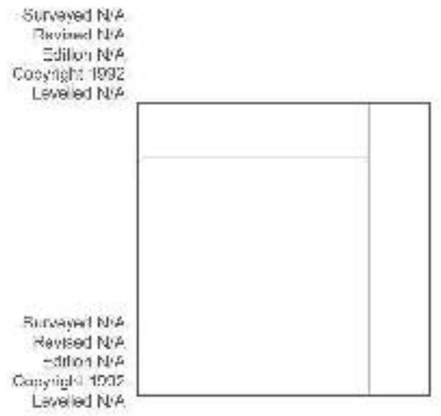

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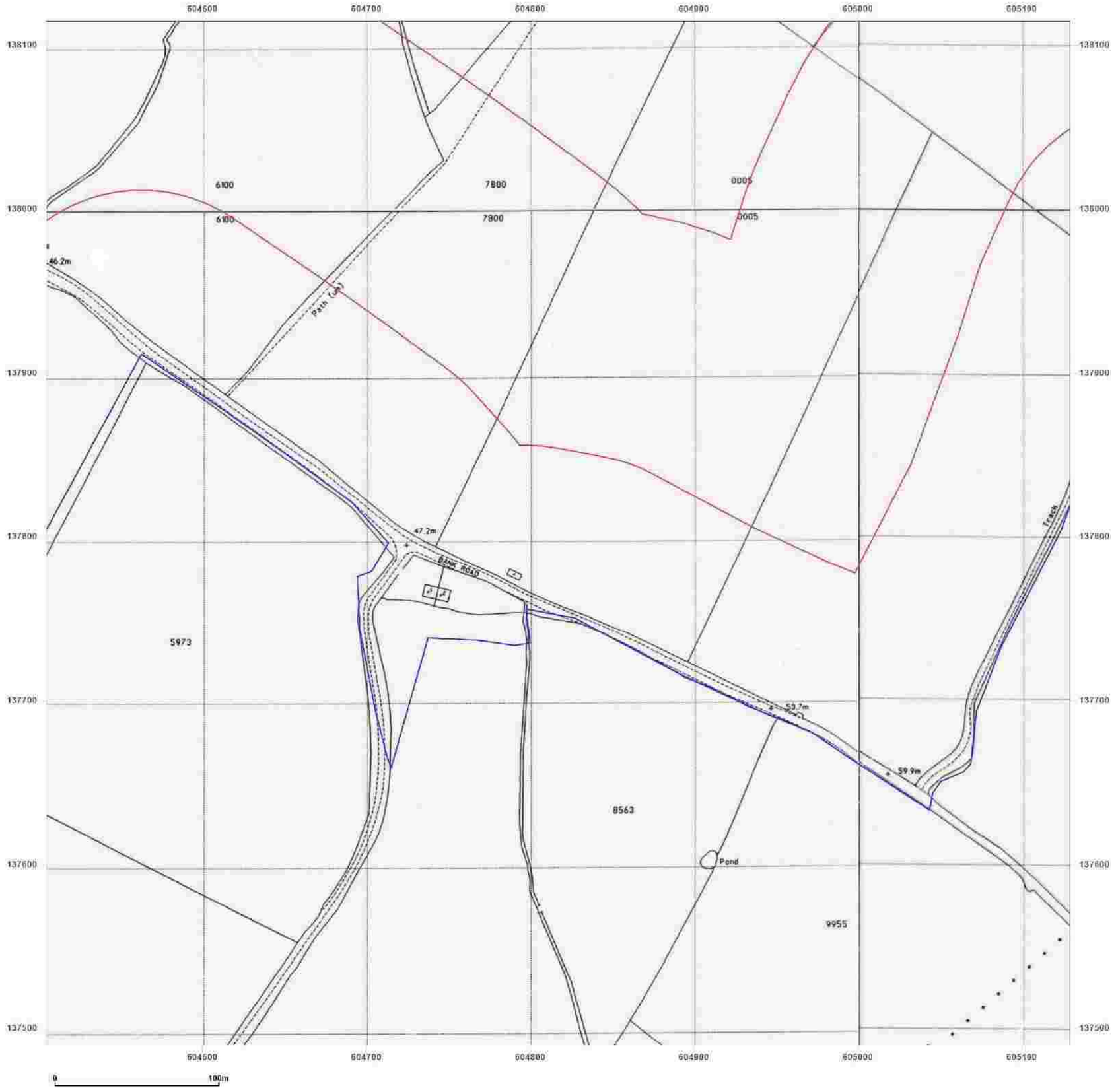

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_2_3
Grid Ref: 604817, 137802

Map Name: National Grid

Map date: **1992-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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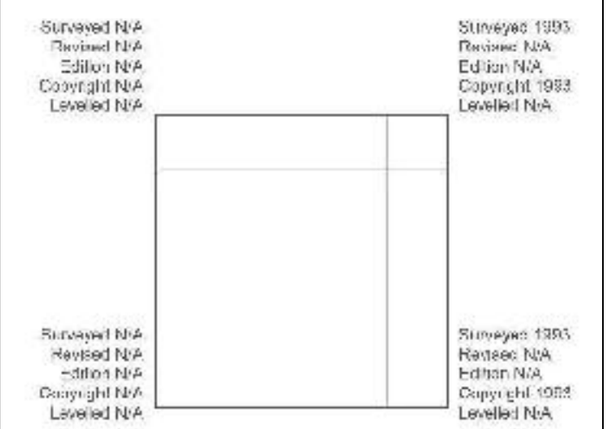

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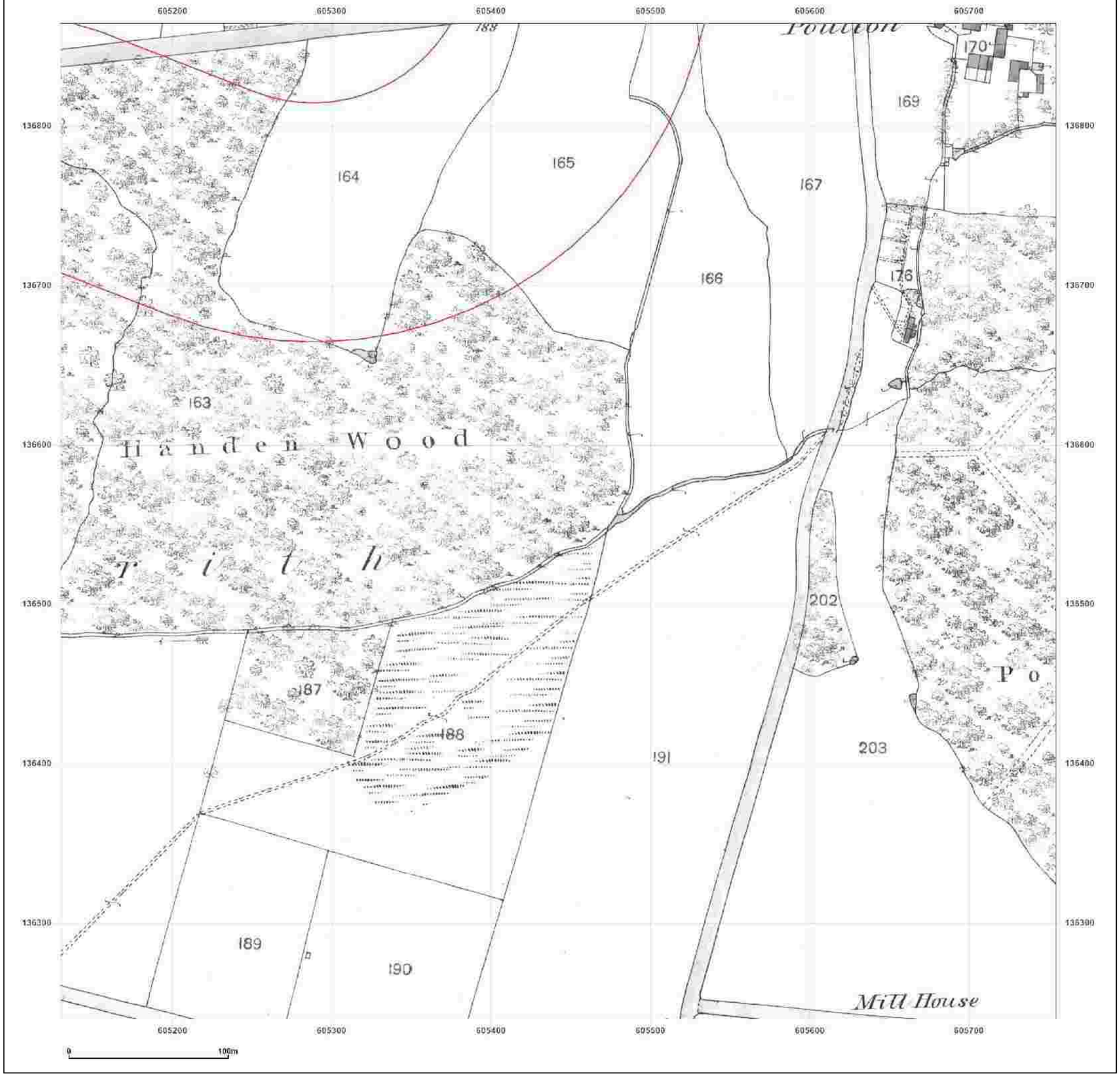

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

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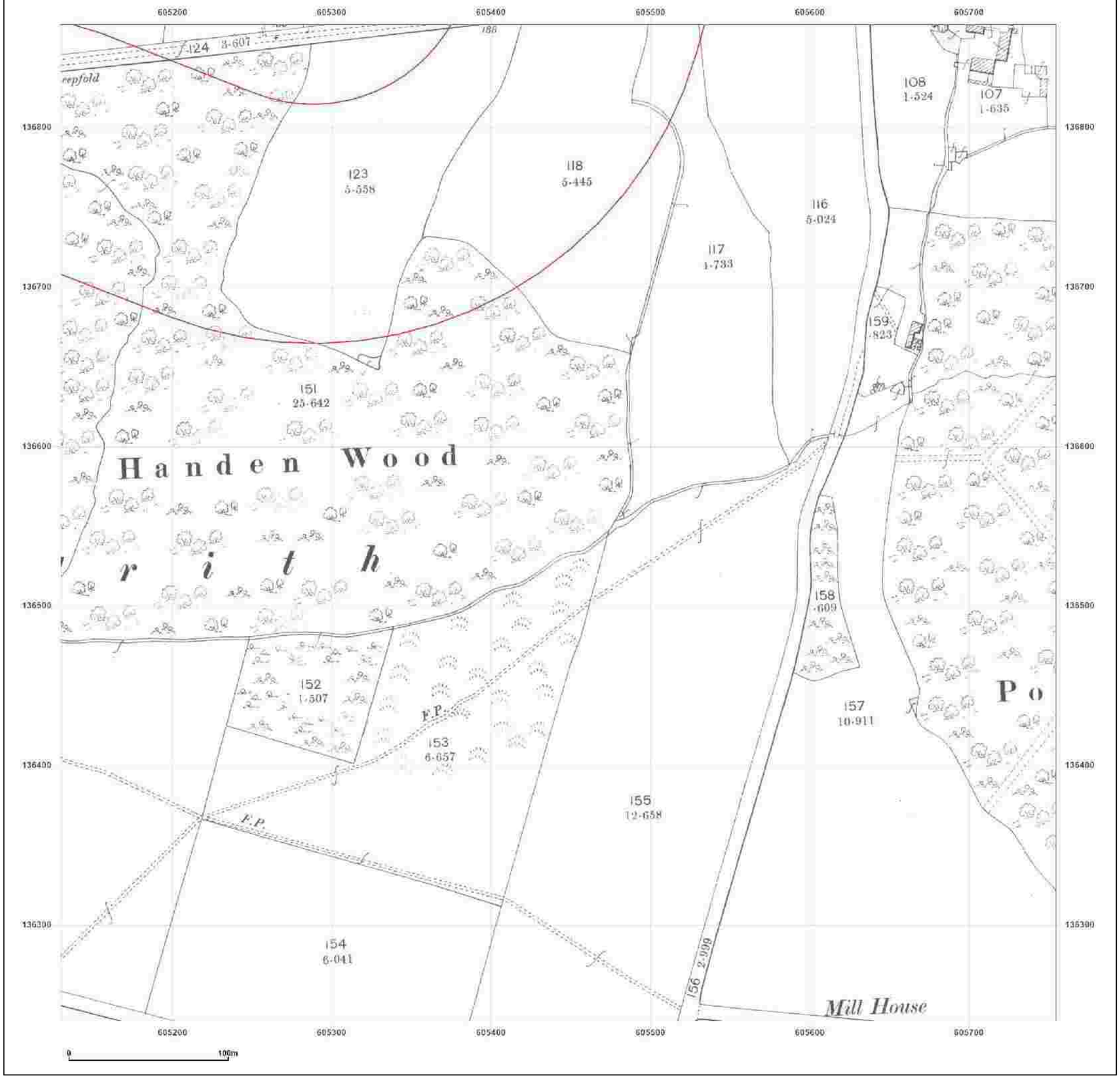

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

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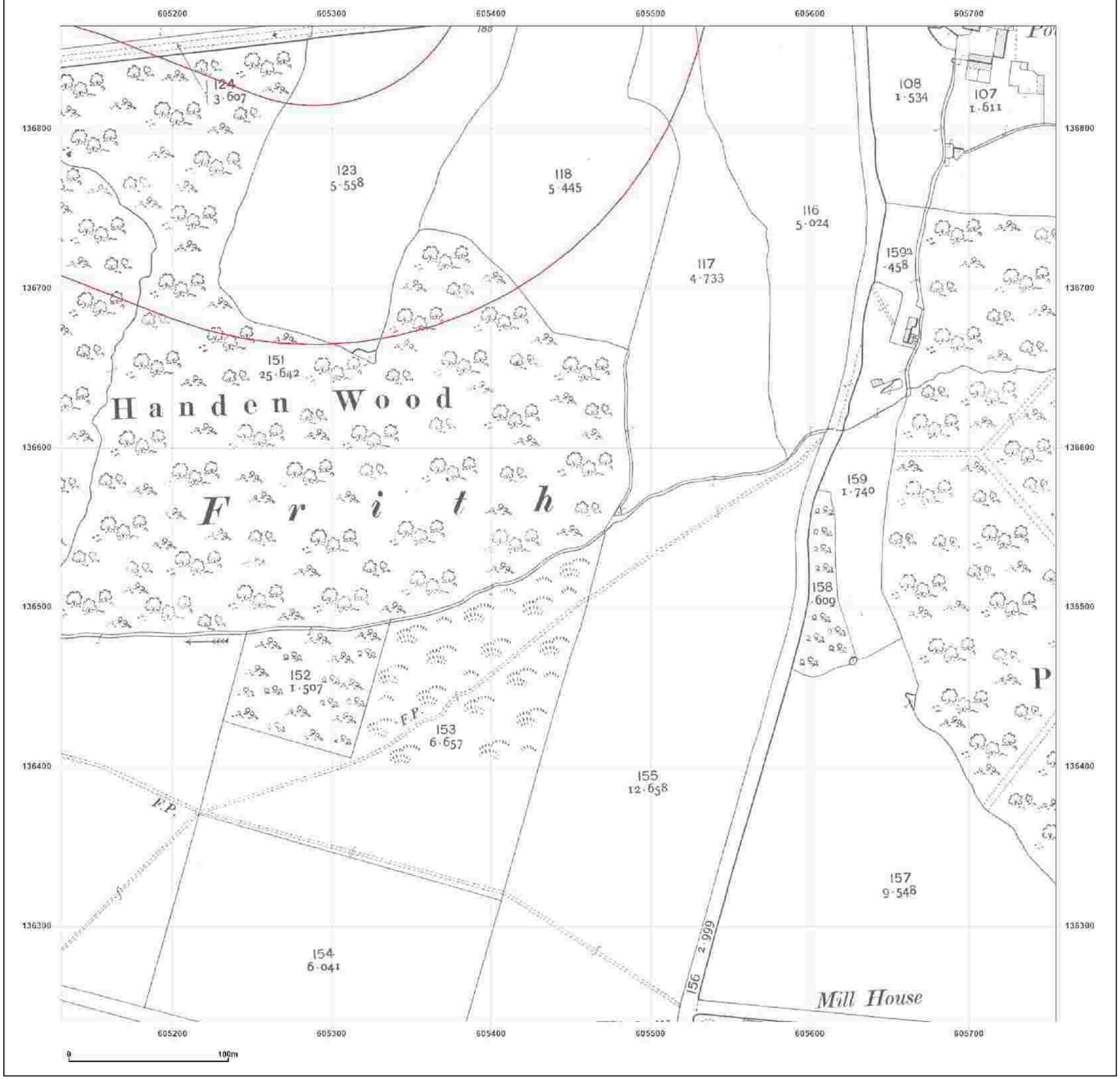

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

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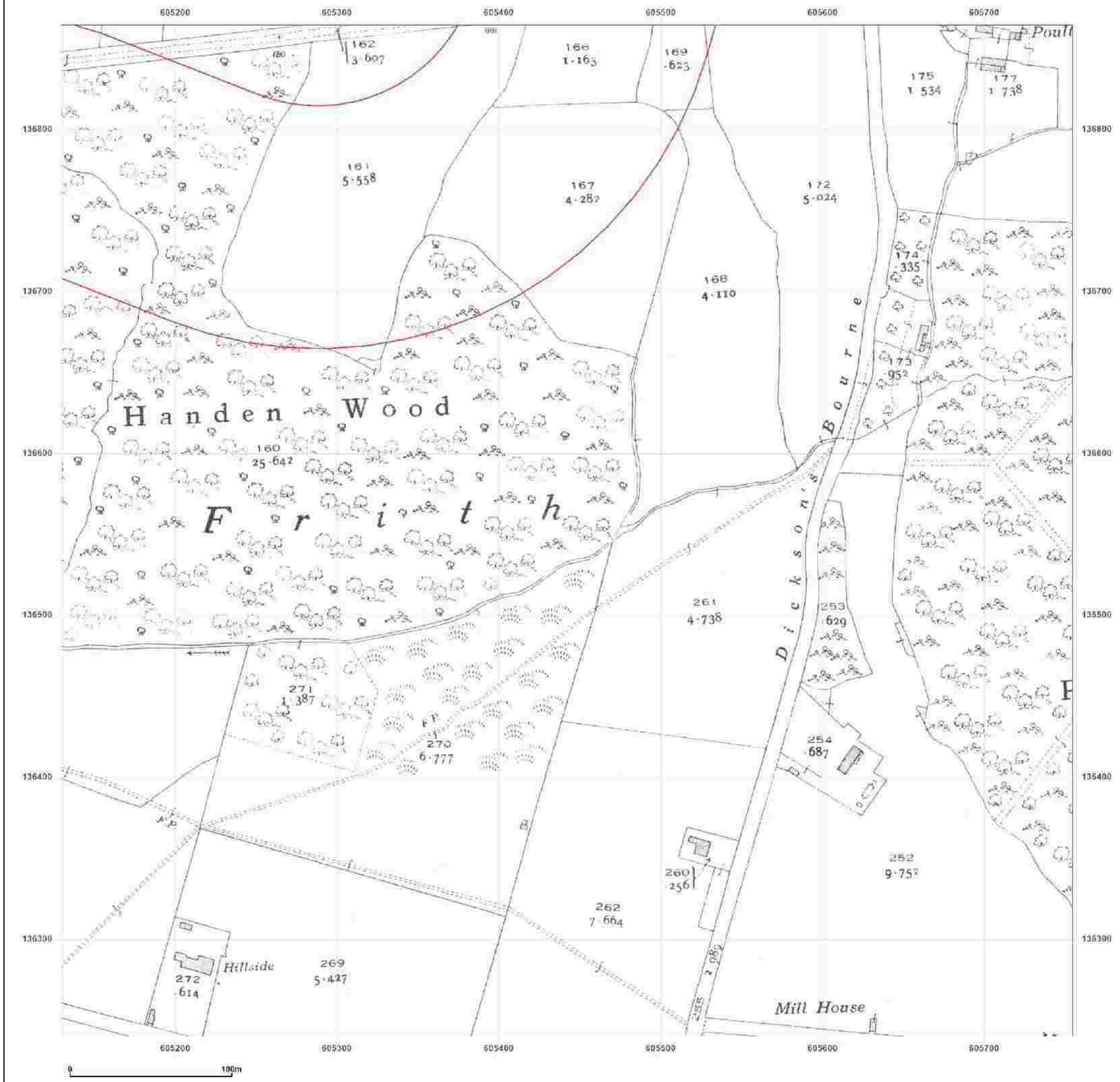

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1939
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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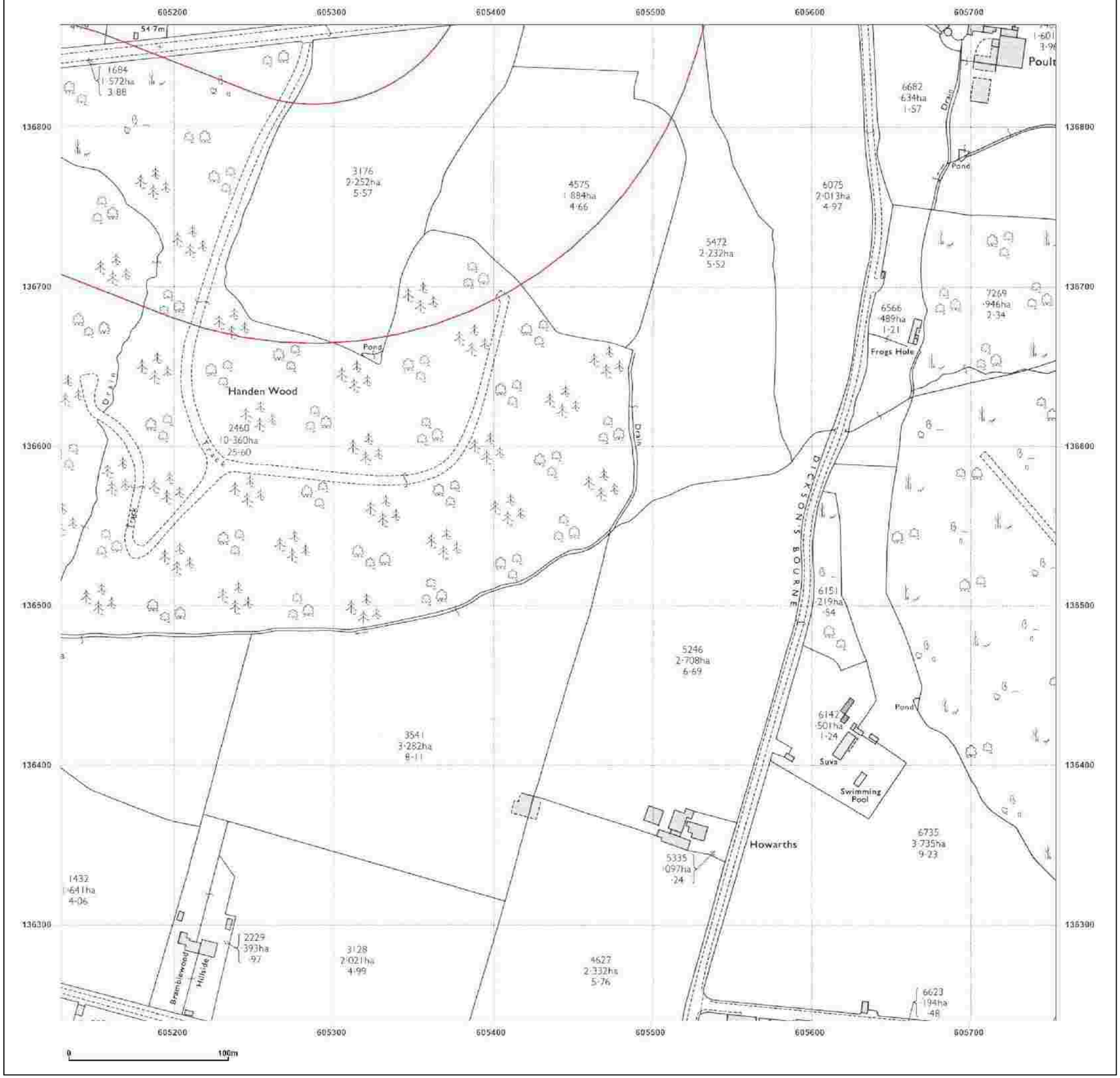

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

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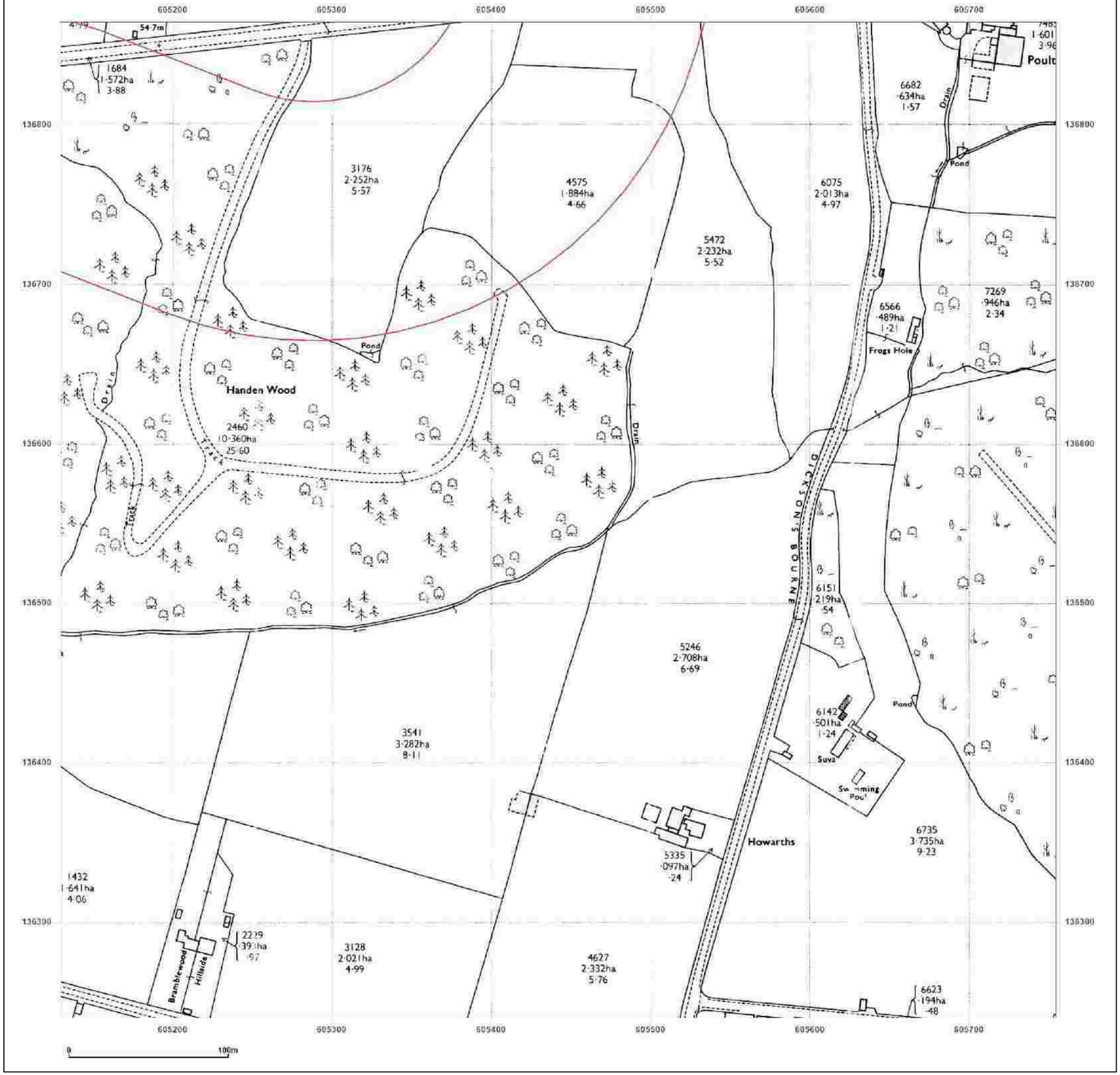

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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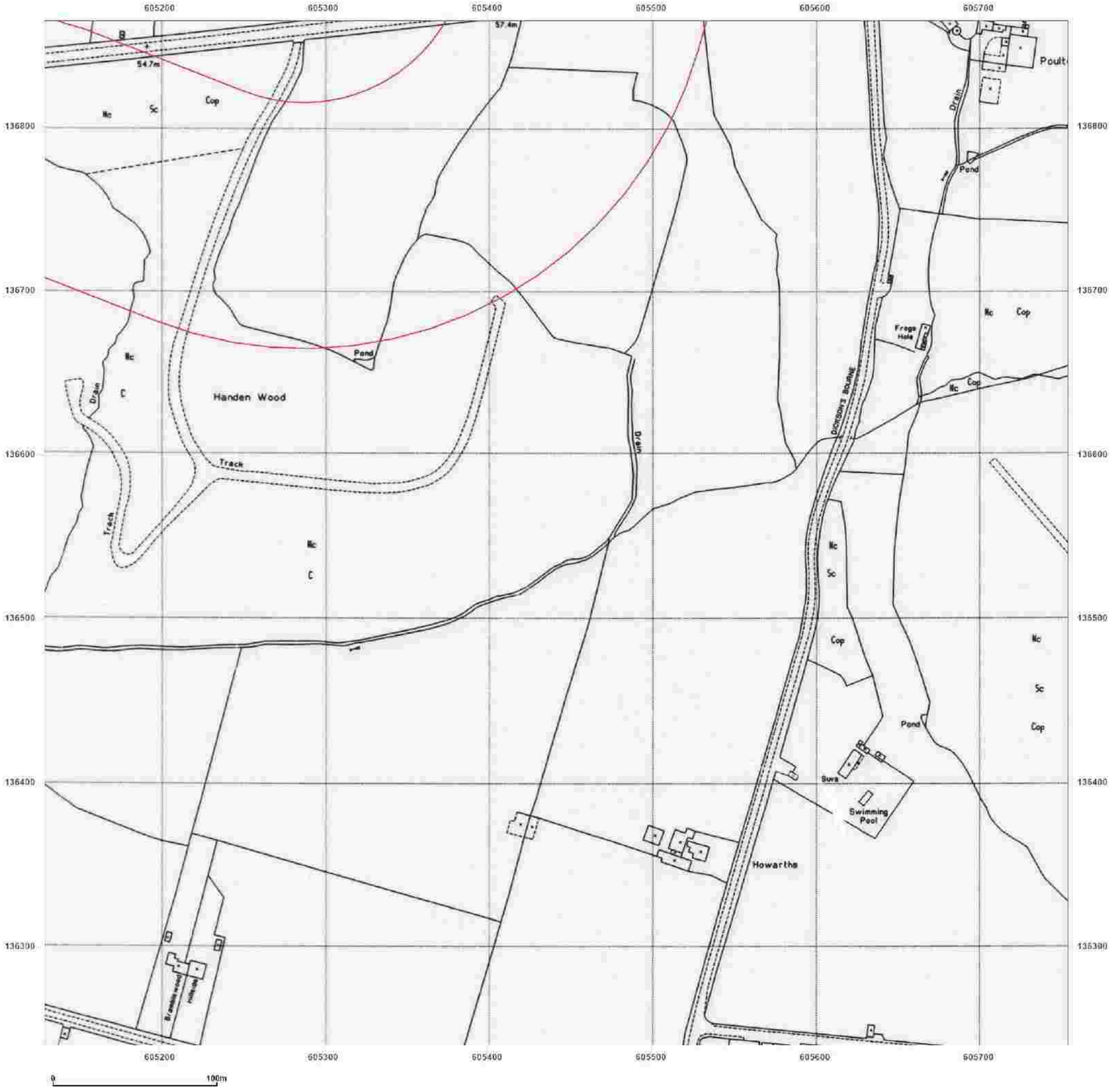

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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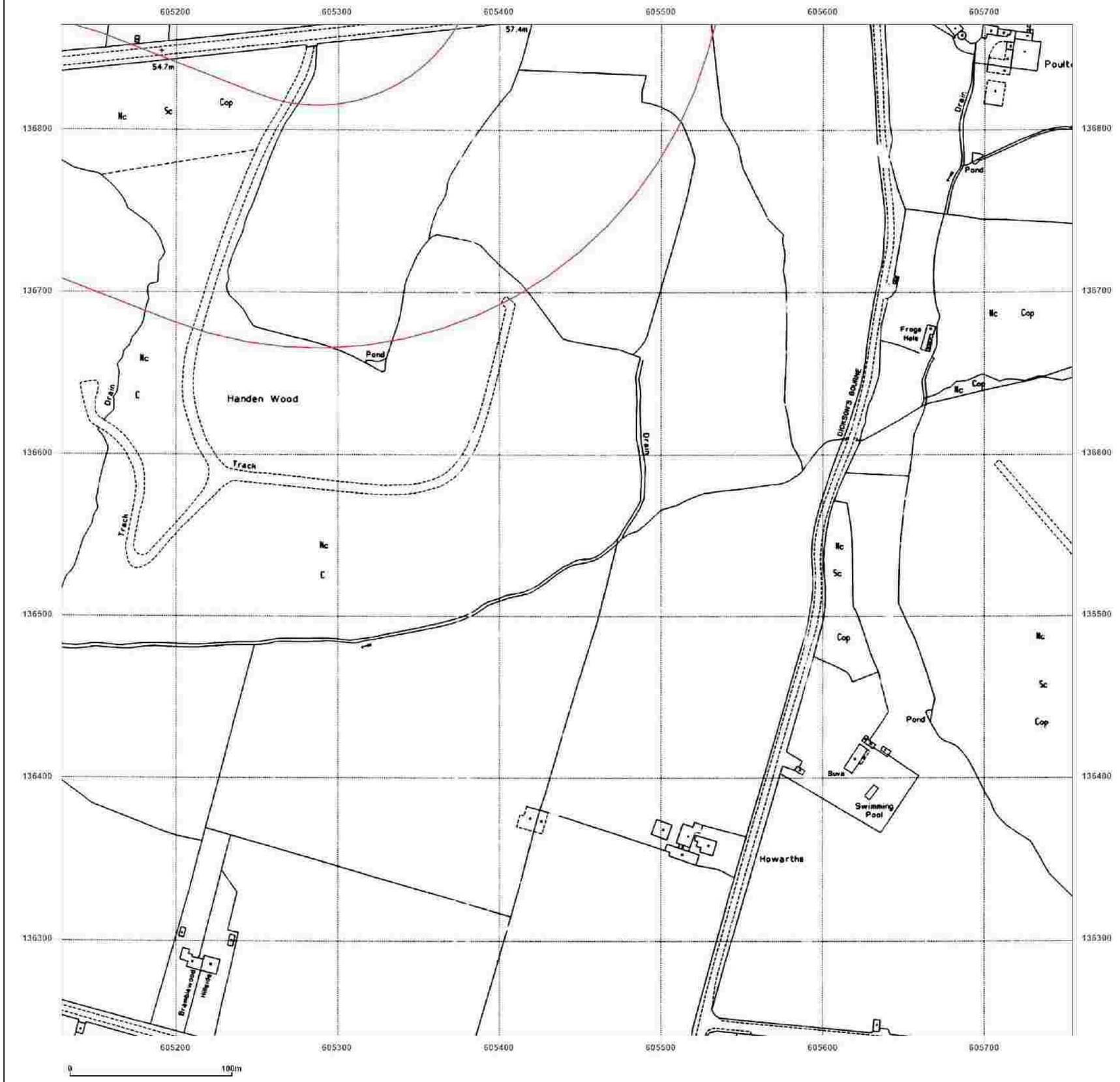

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_1
Grid Ref: 605442, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edited N/A
Copyright 1993
Levelled N/A

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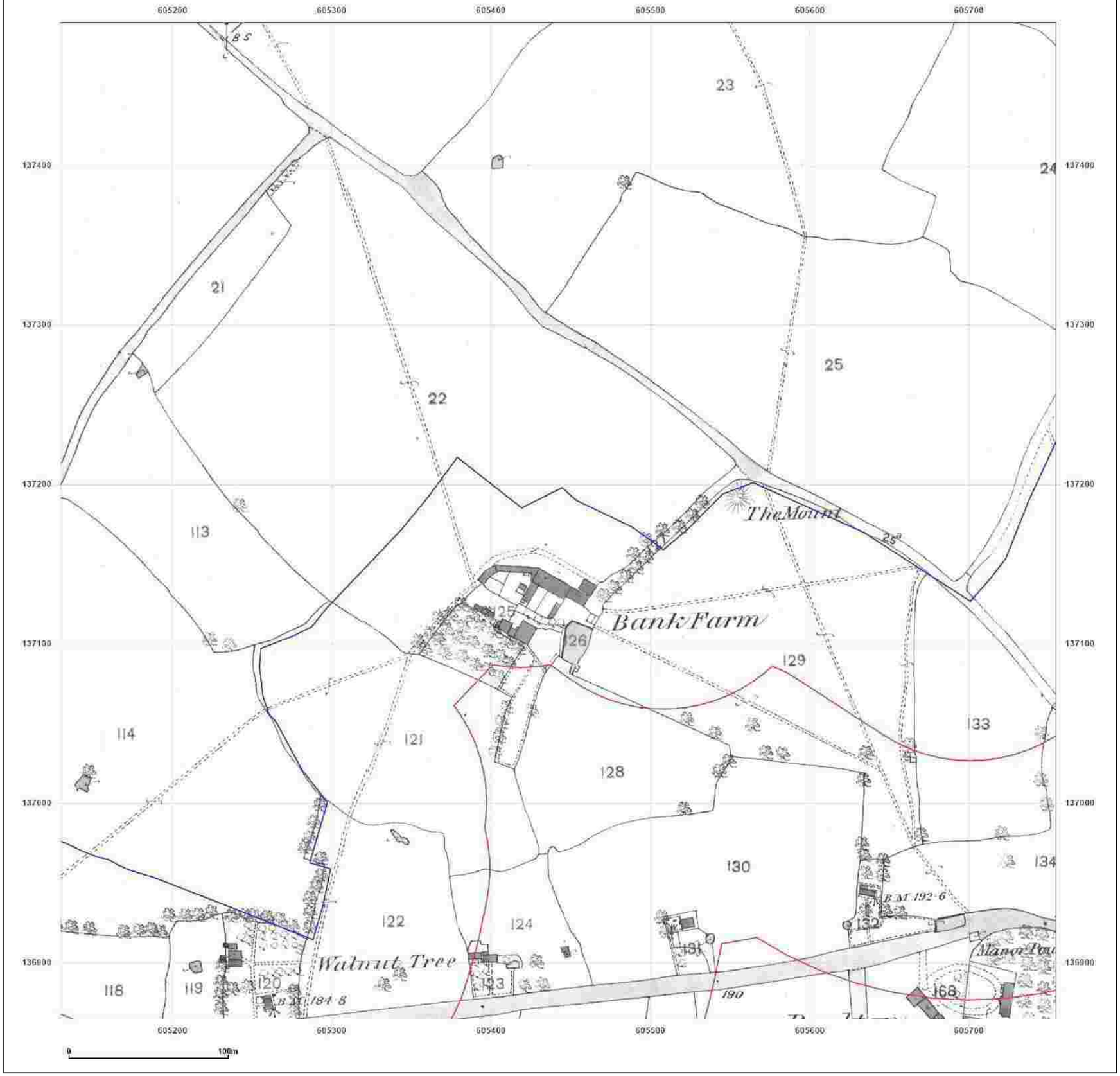

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 17 December 2021

Map legend available at:
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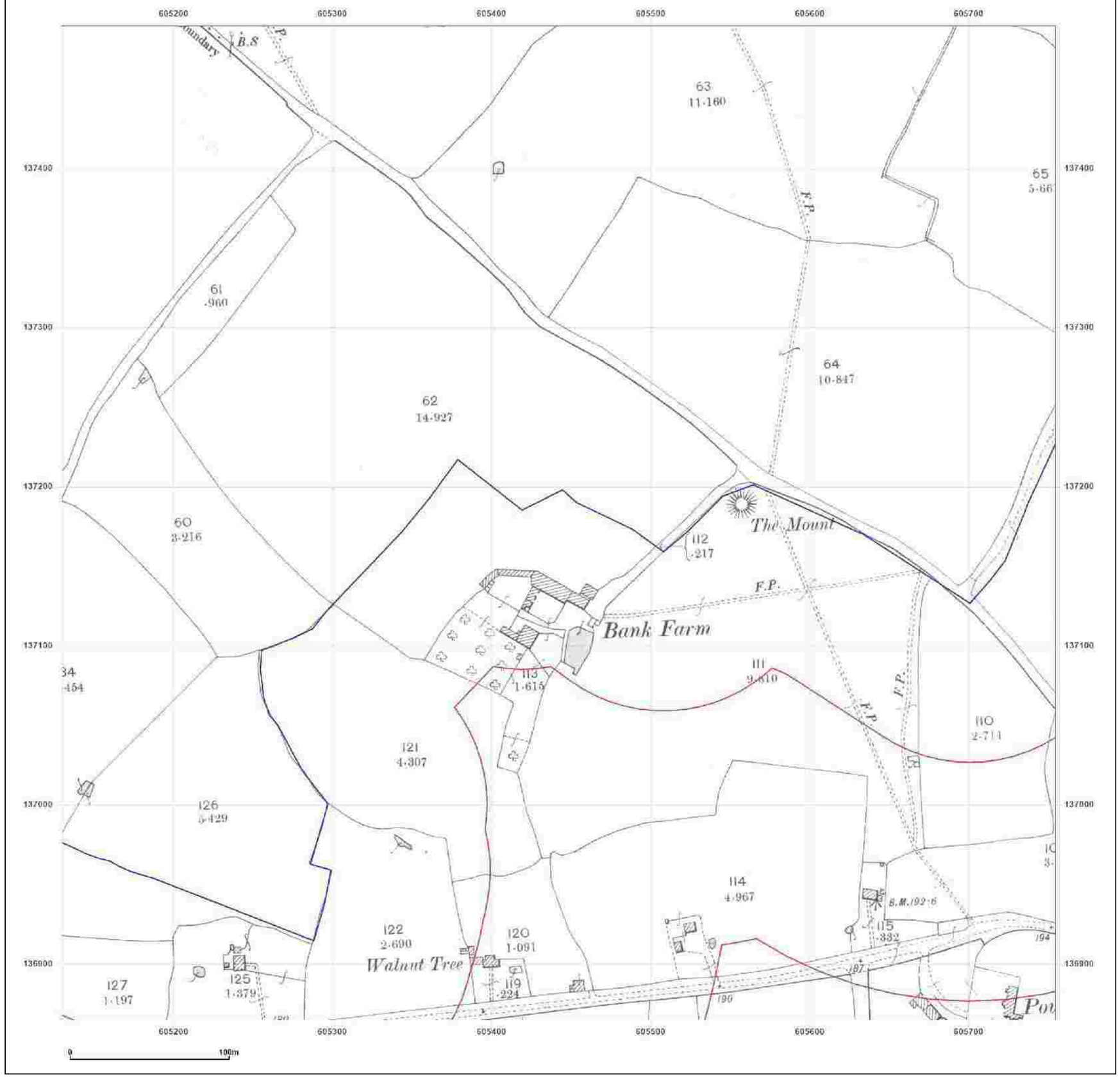

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1895
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

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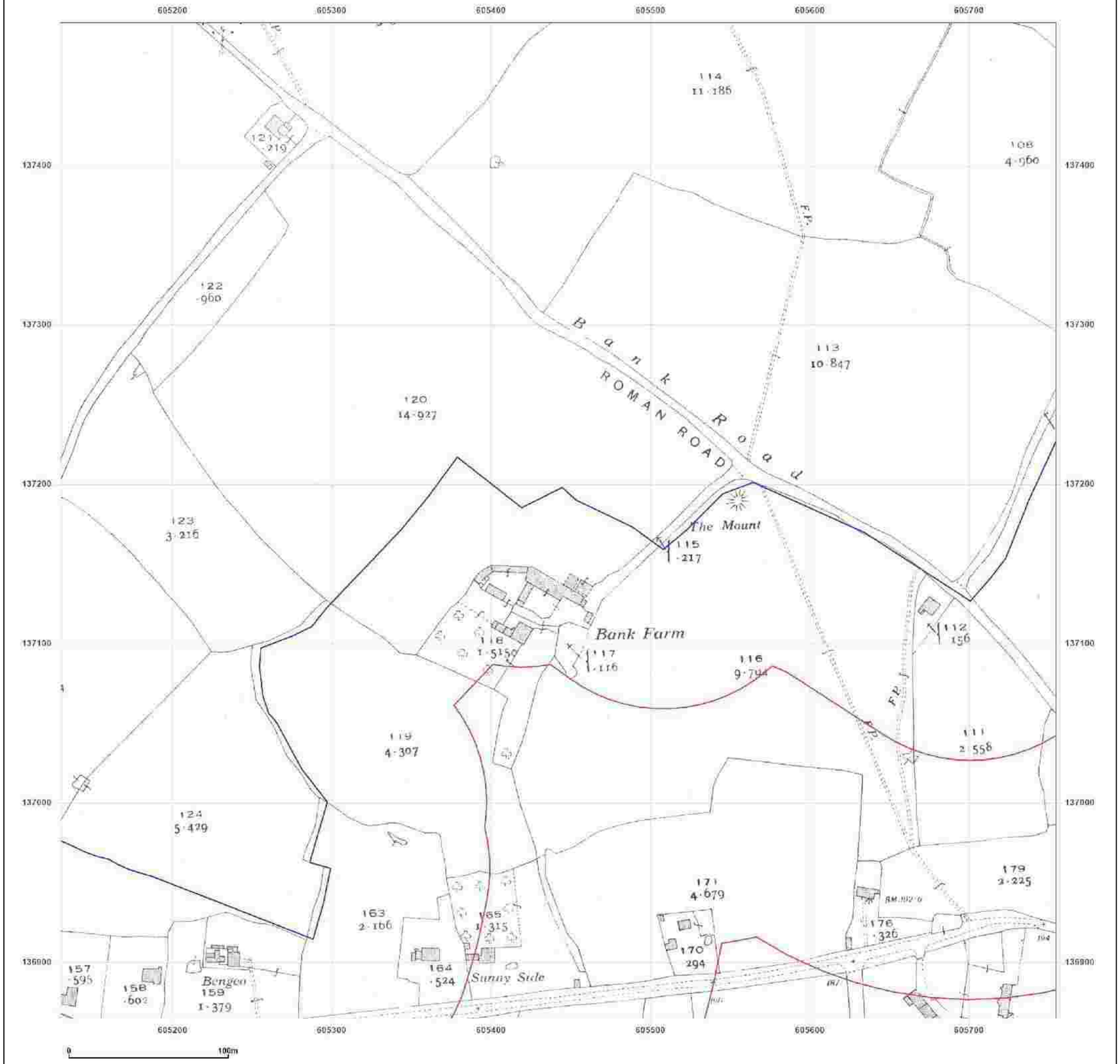

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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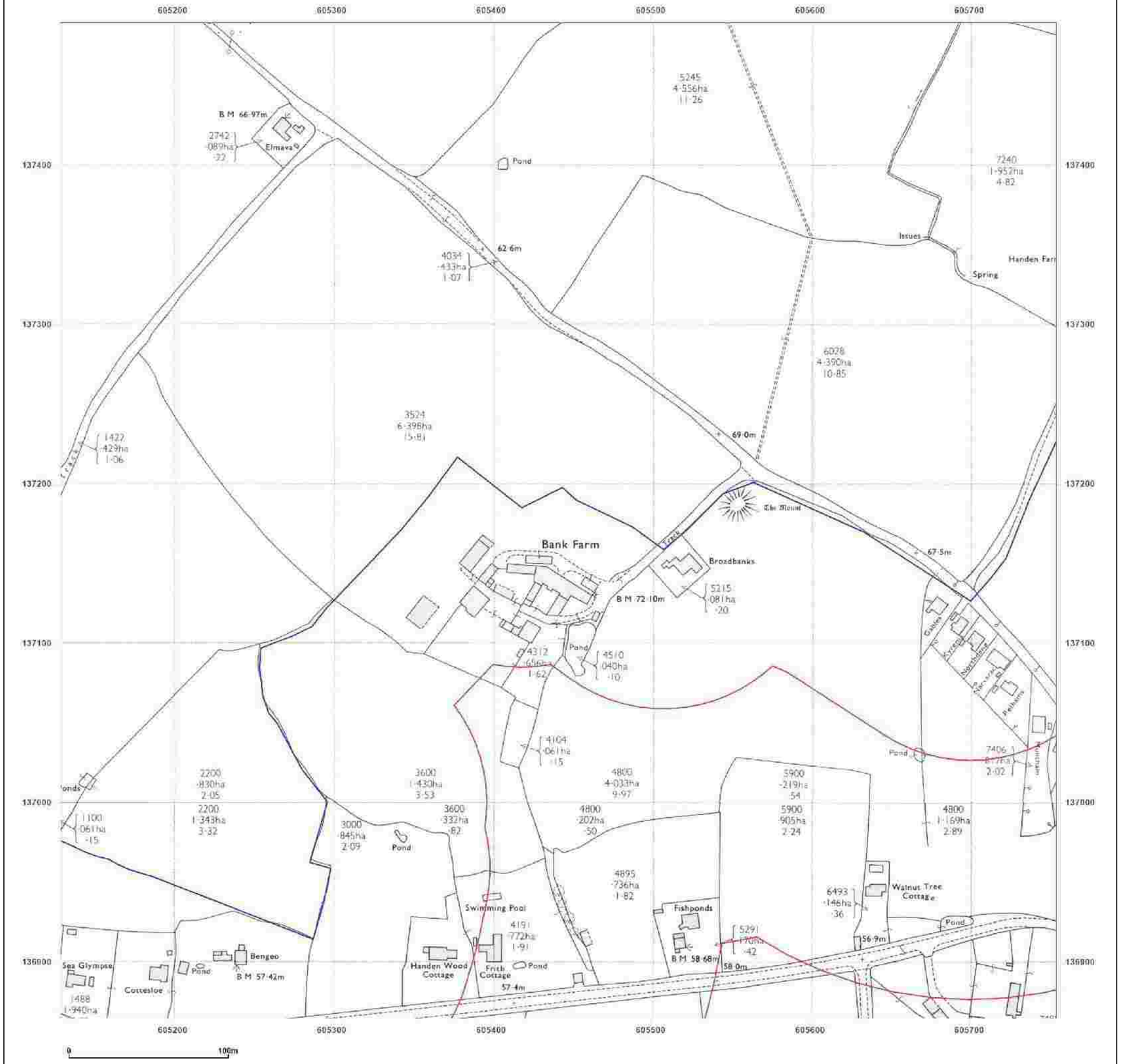

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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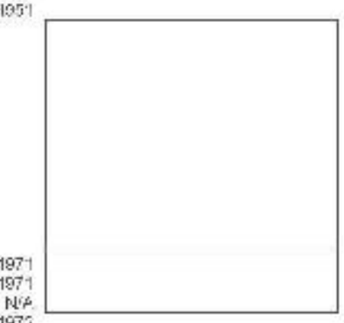
Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951



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Revised 1971
Edition N/A
Copyright 1973
Levelled 1951

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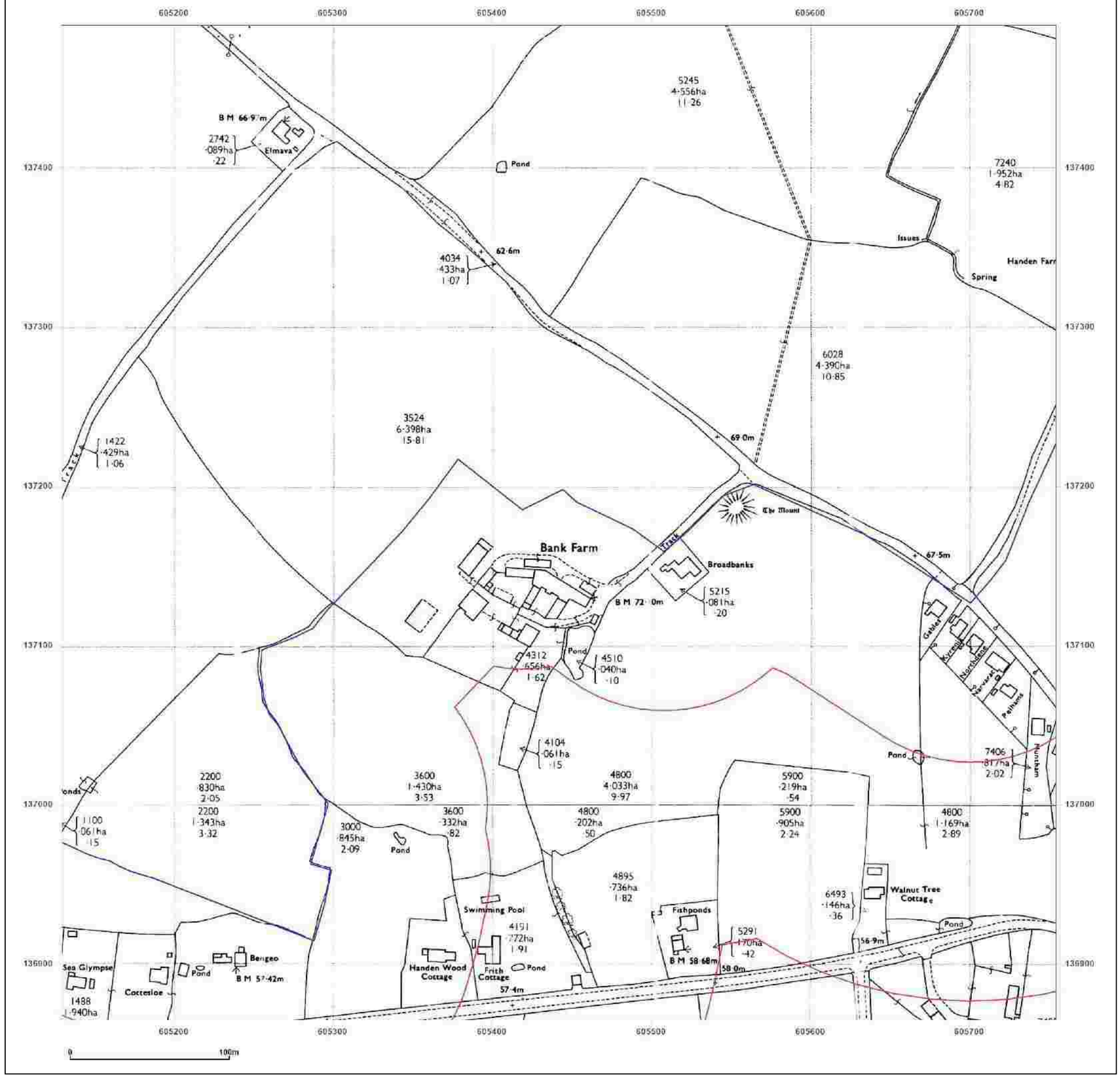

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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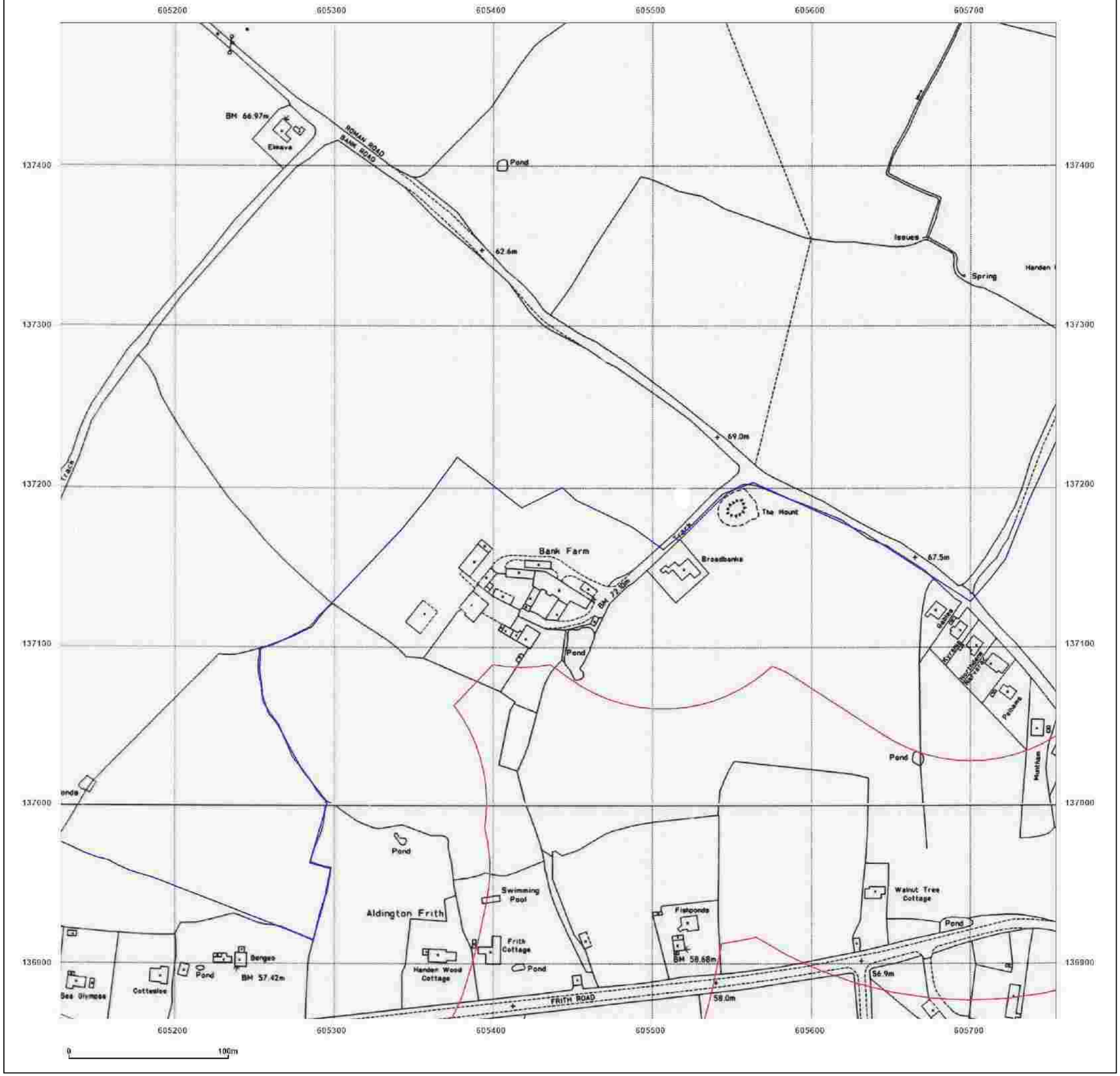

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_2
Grid Ref: 605442, 137177

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A

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

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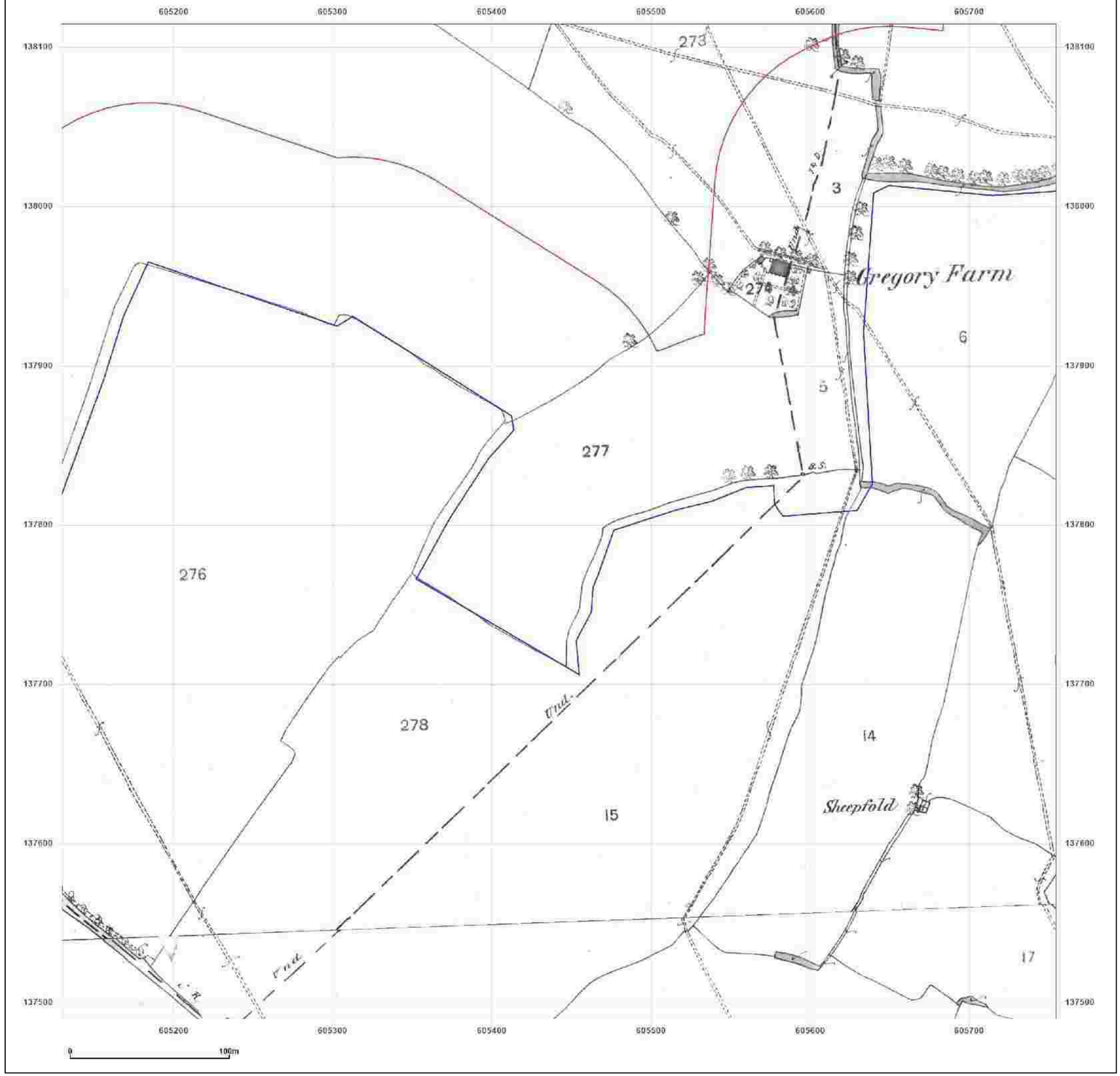

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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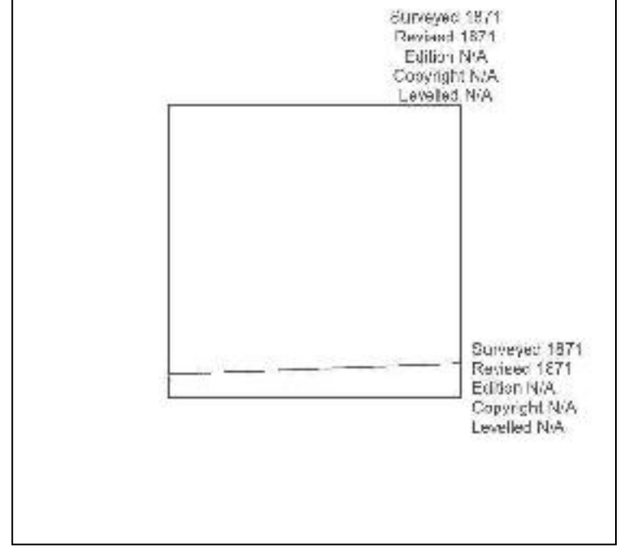

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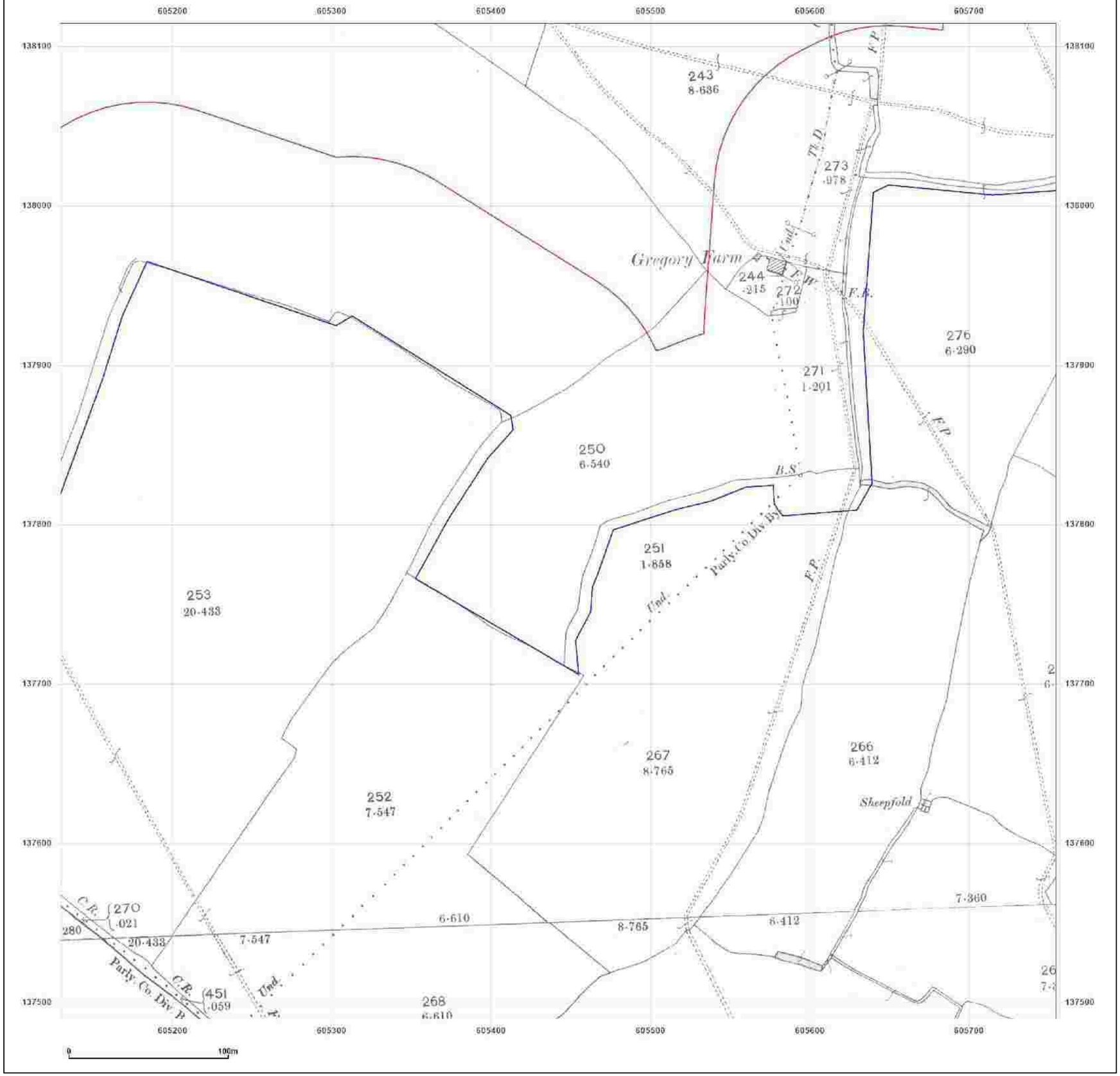

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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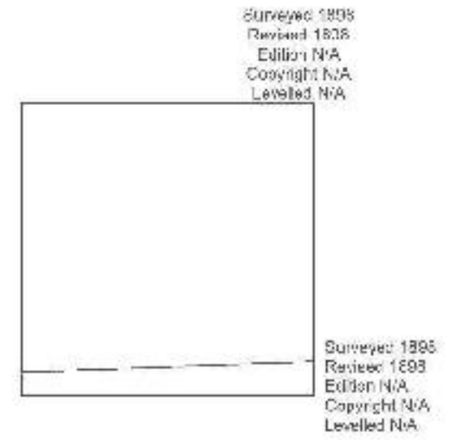

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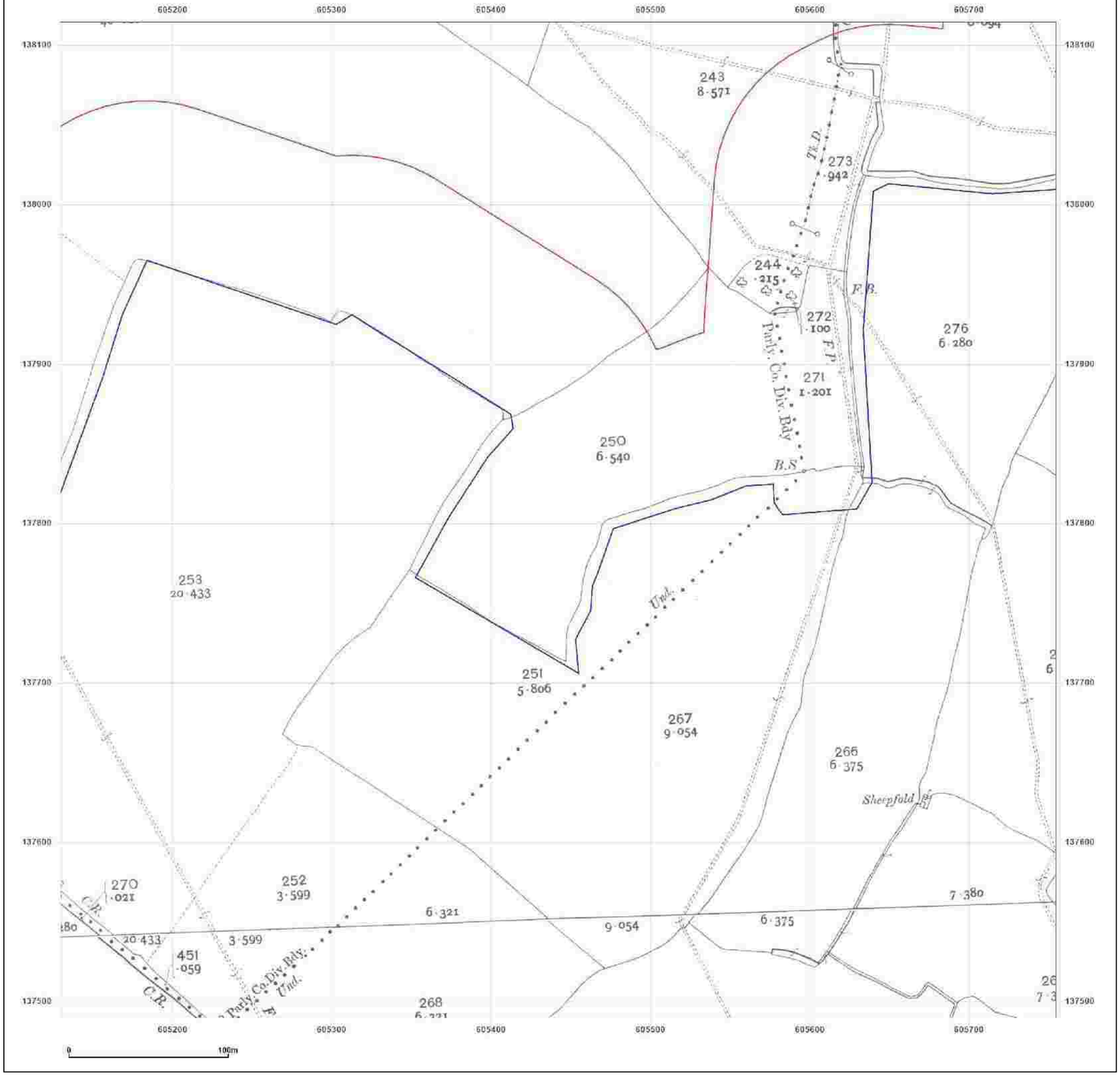

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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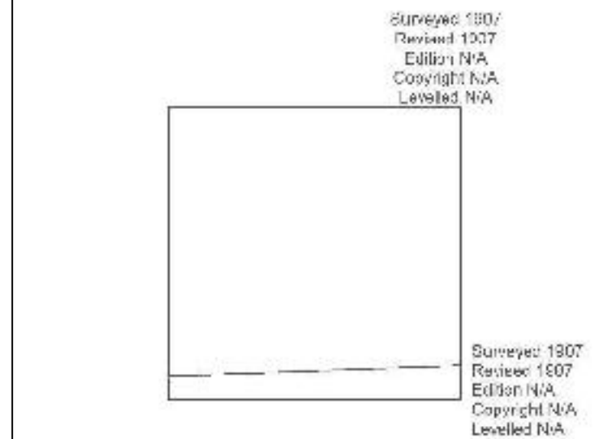

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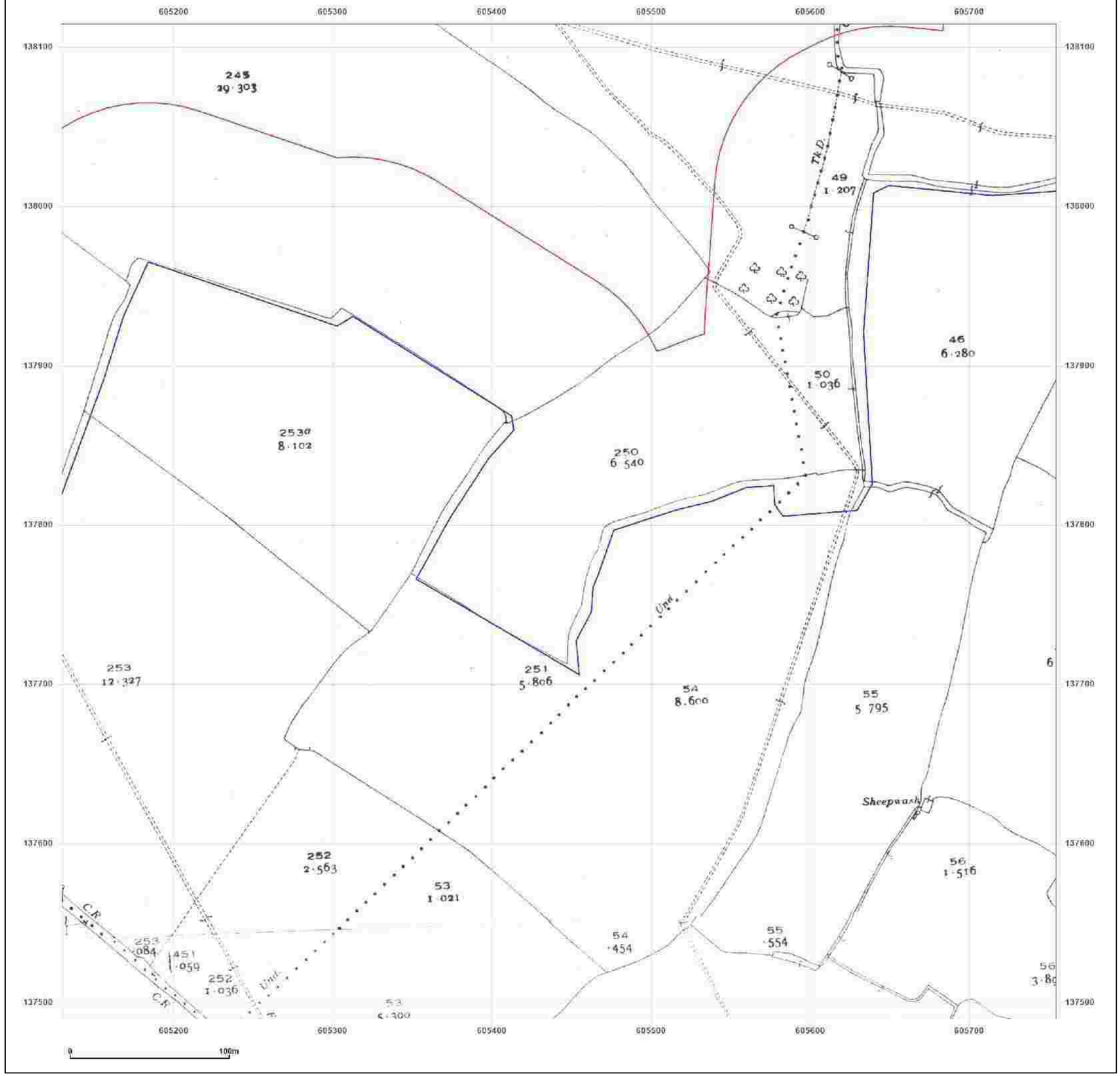

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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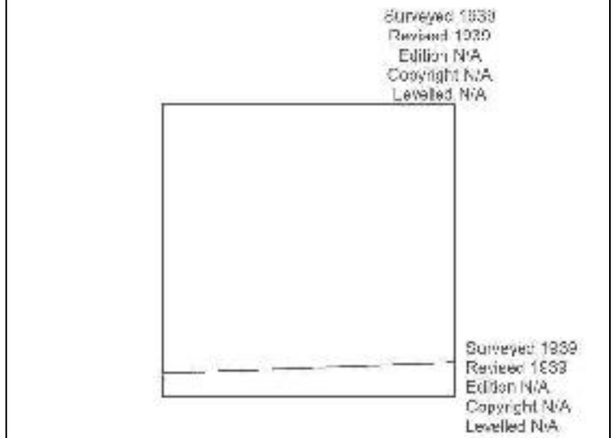

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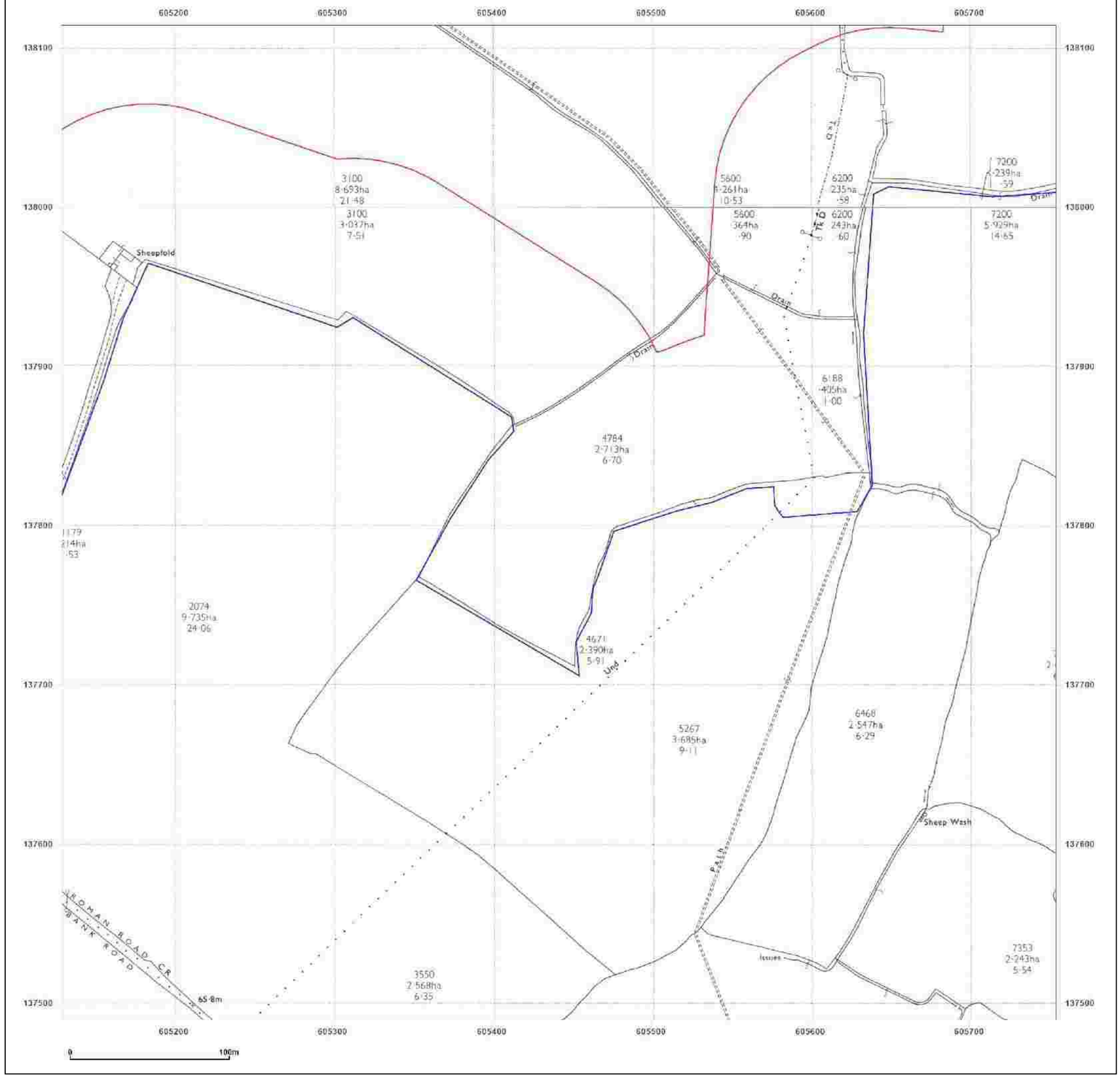

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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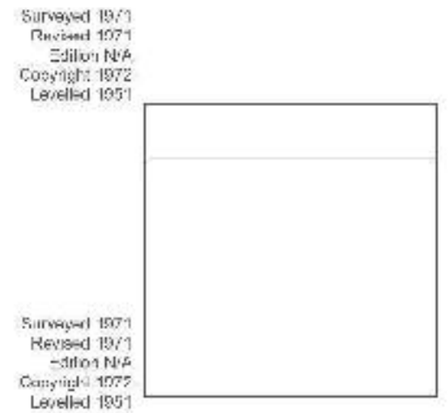

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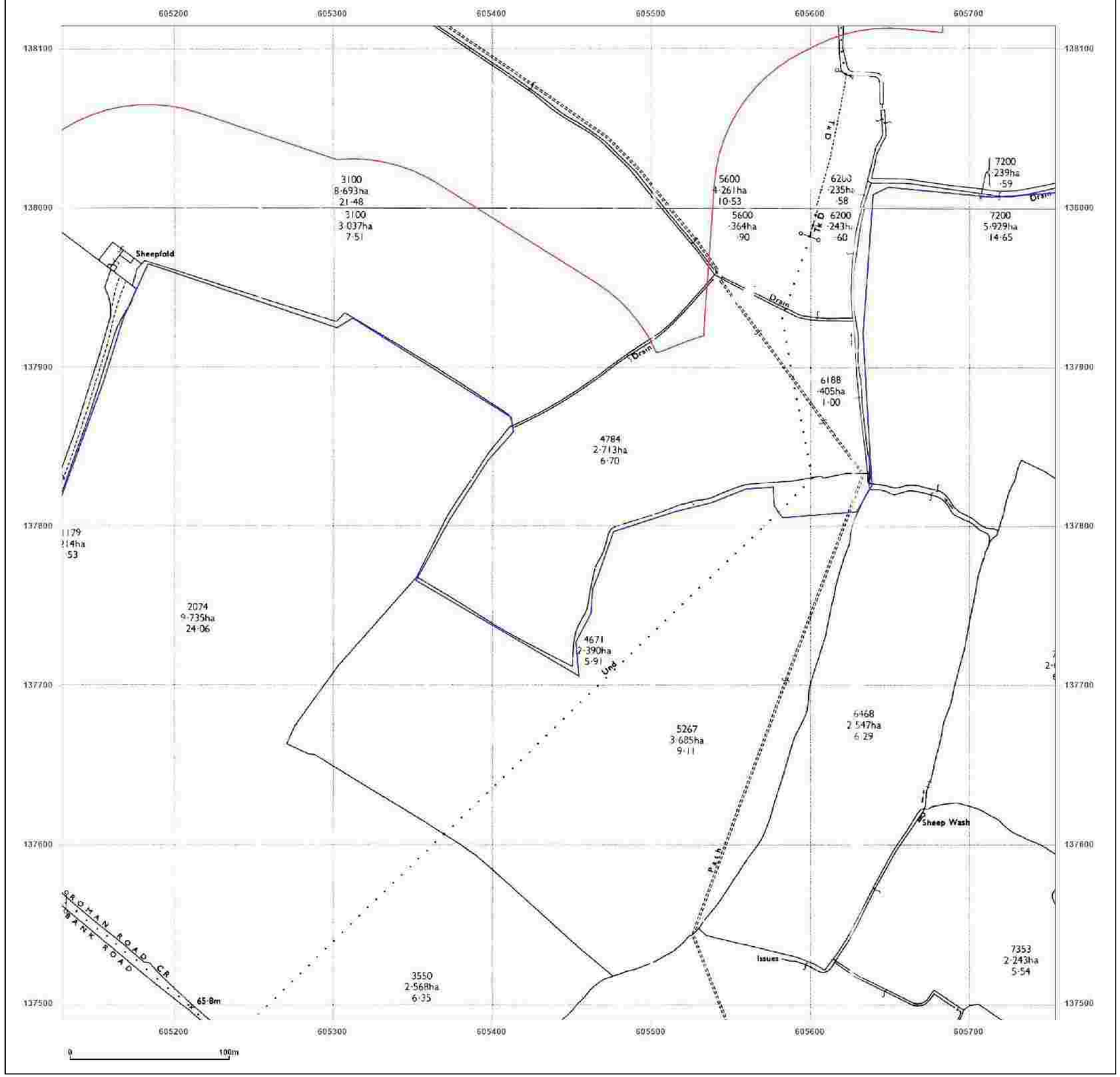

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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

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Revised N/A
Edition N/A
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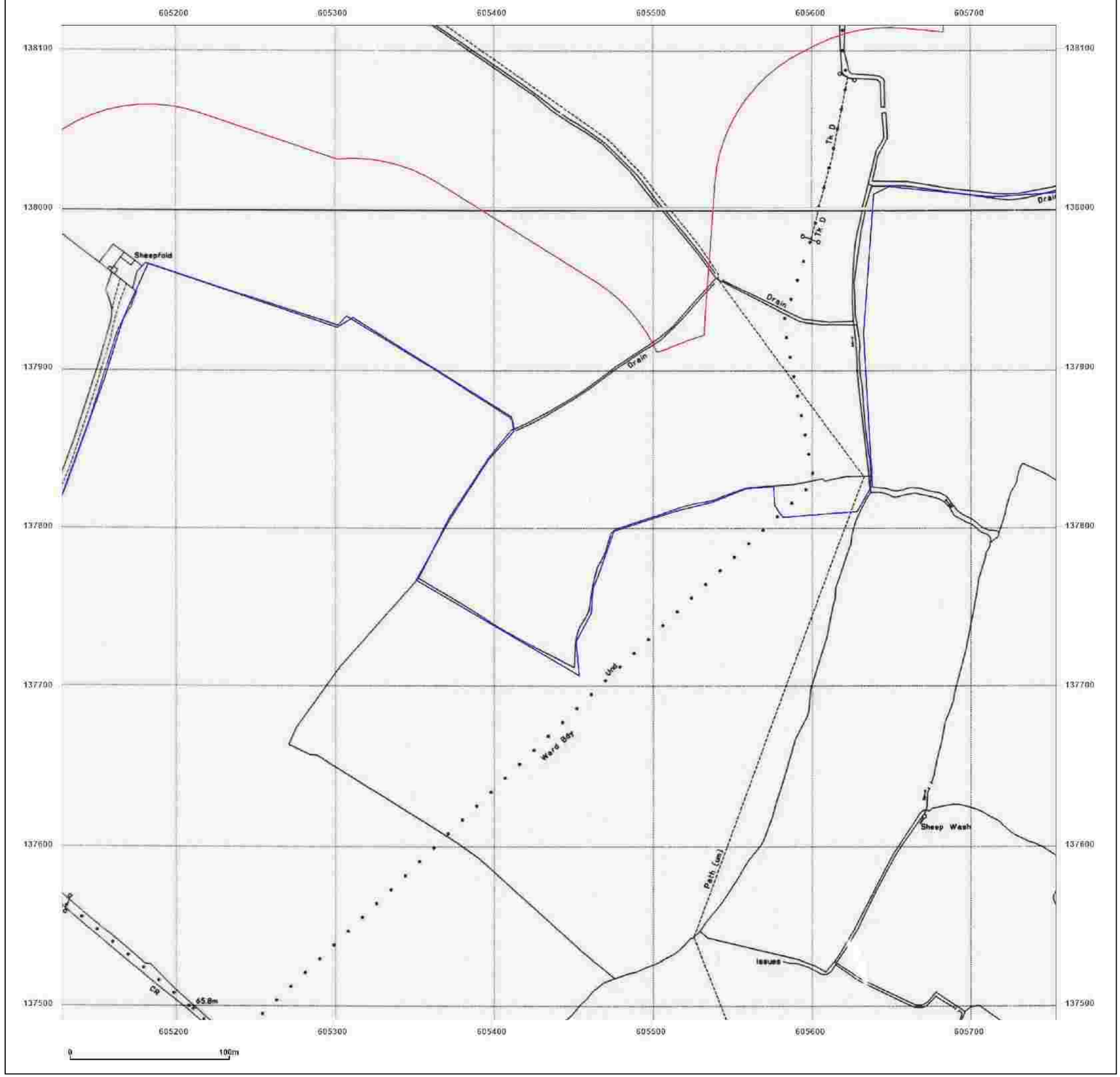

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_3
Grid Ref: 605442, 137802

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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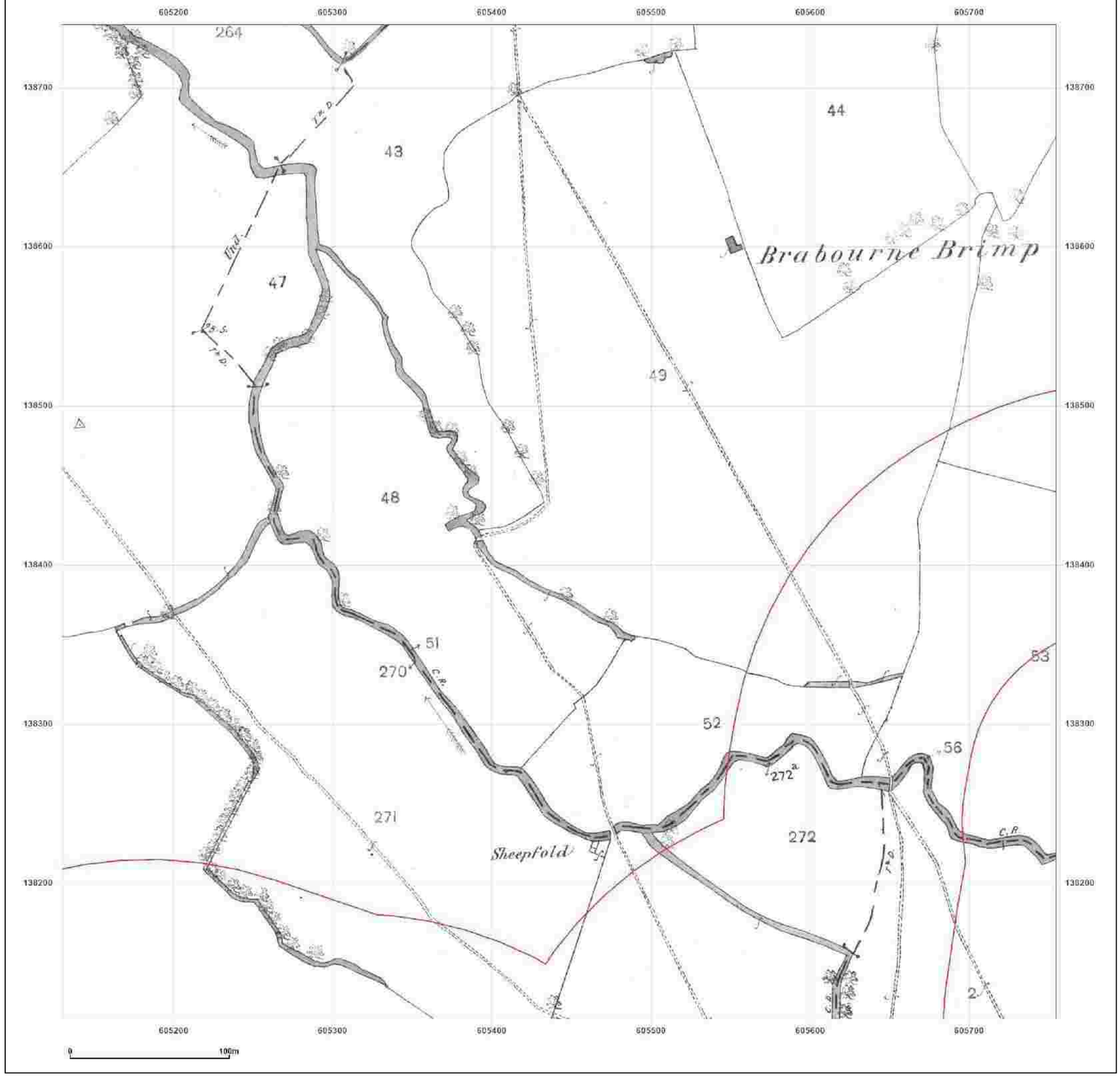

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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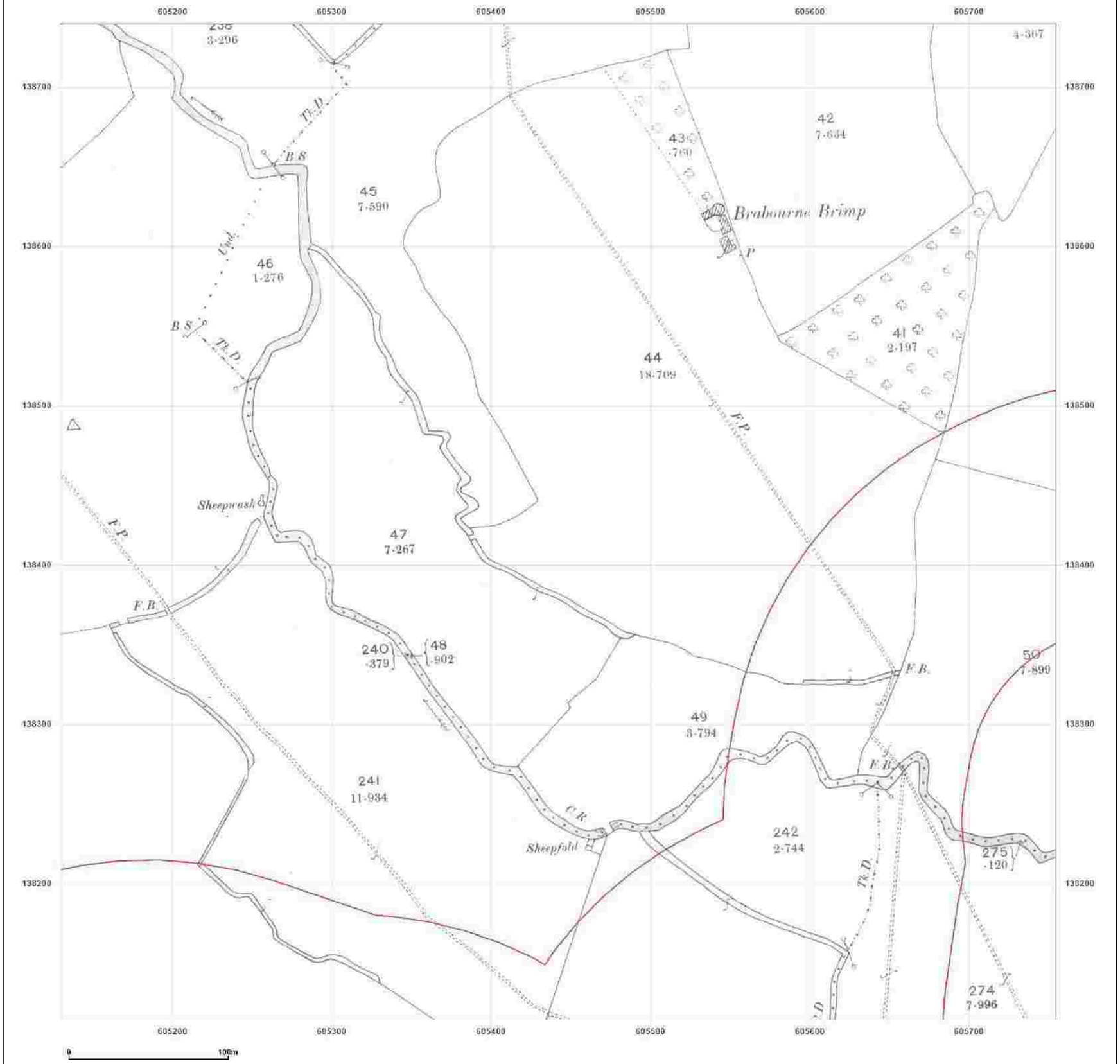

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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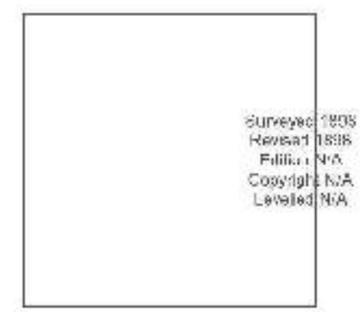

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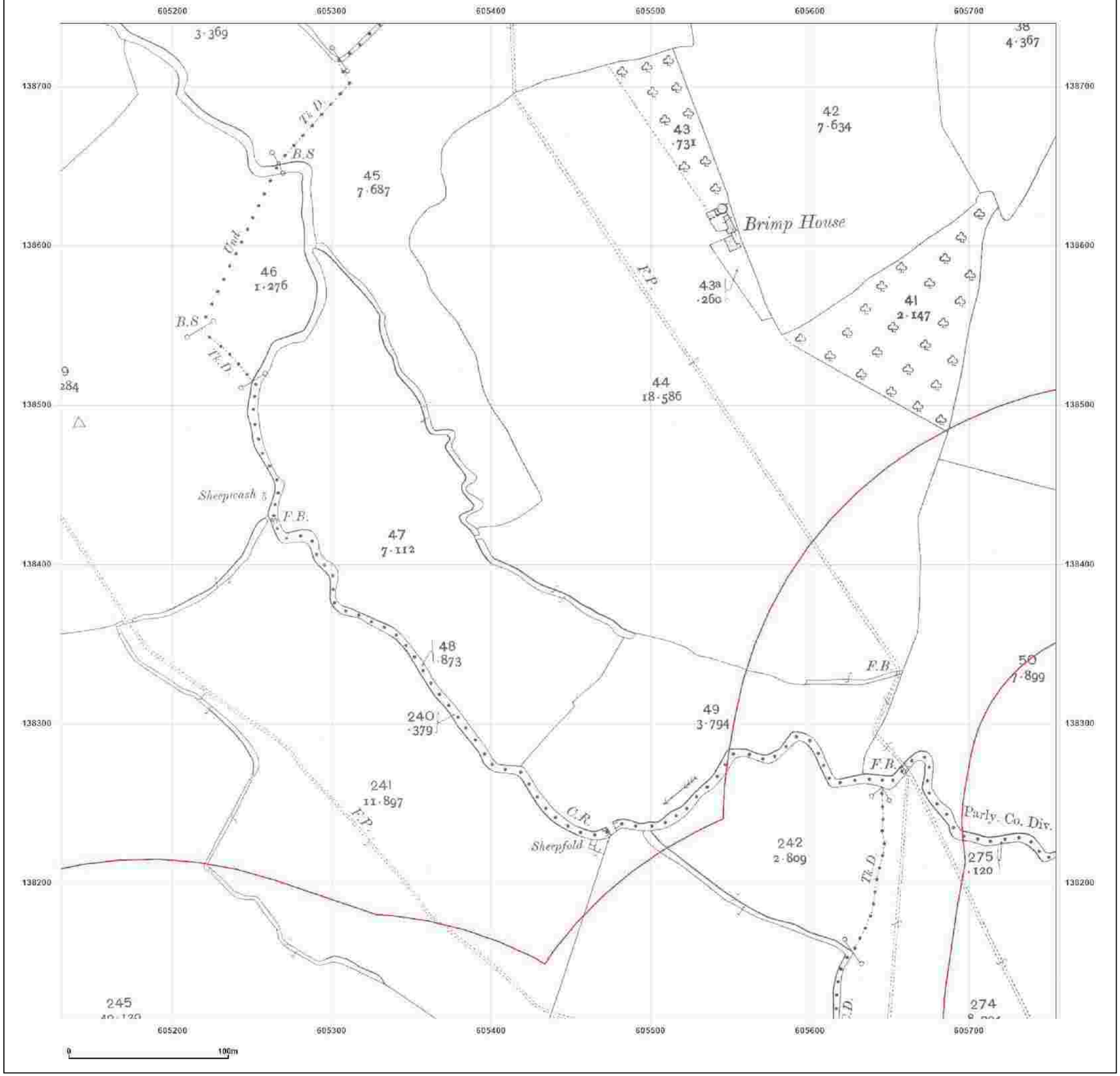

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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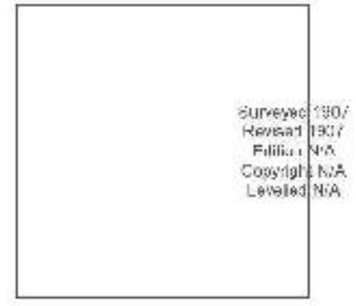

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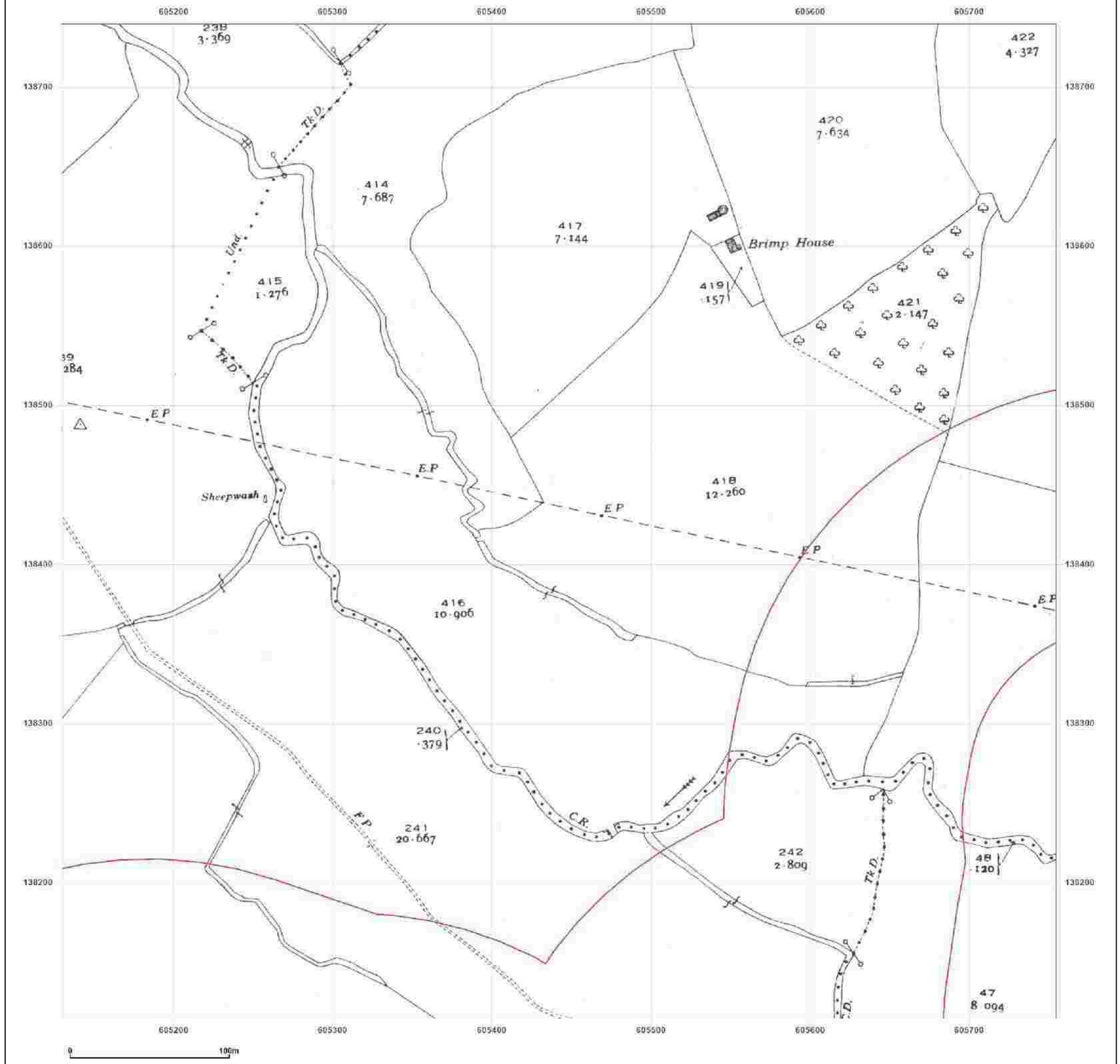

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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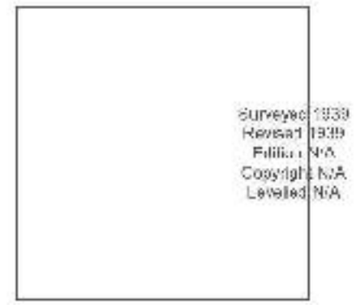

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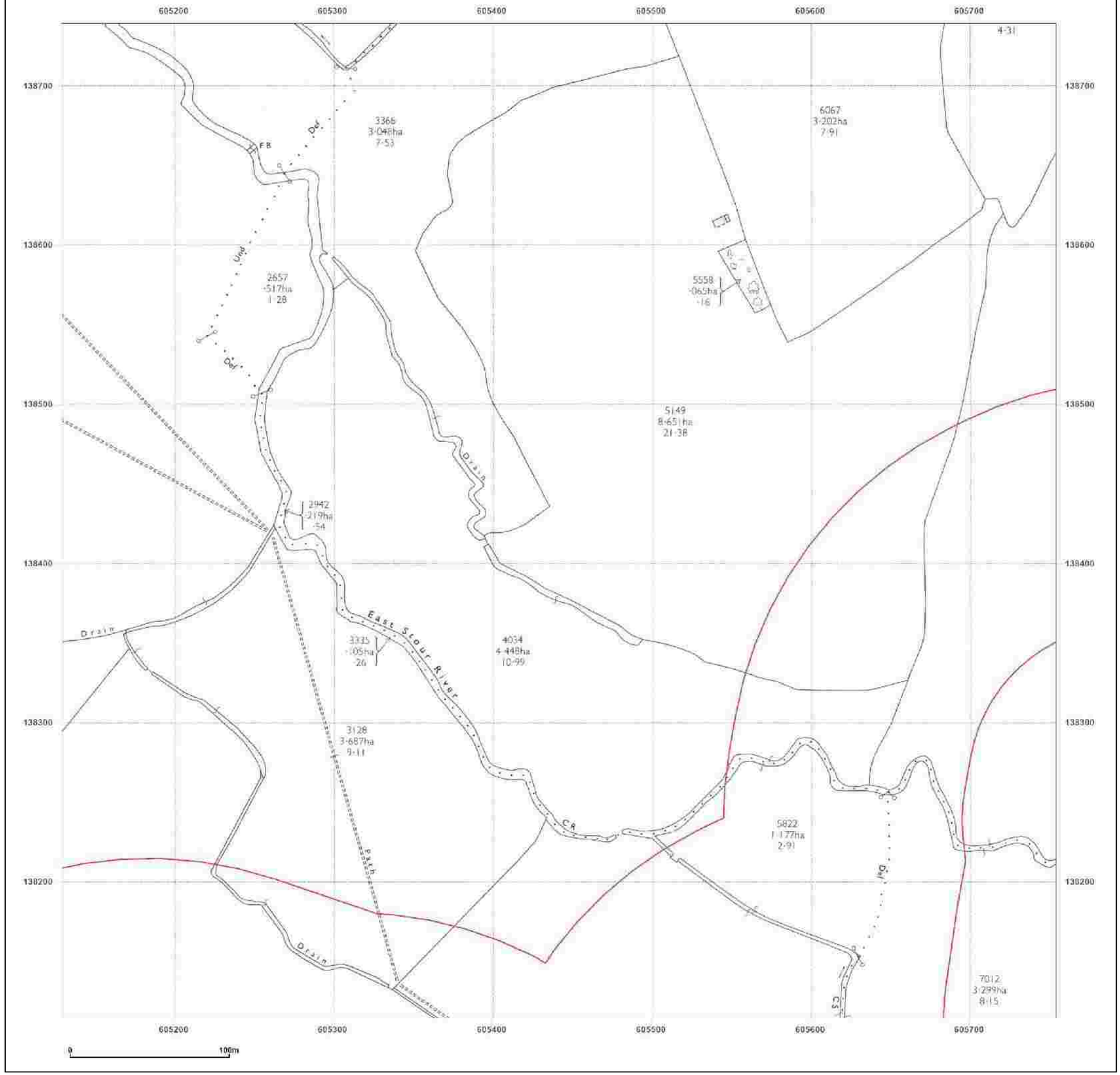

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

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Production date: 17 December 2021

Map legend available at:
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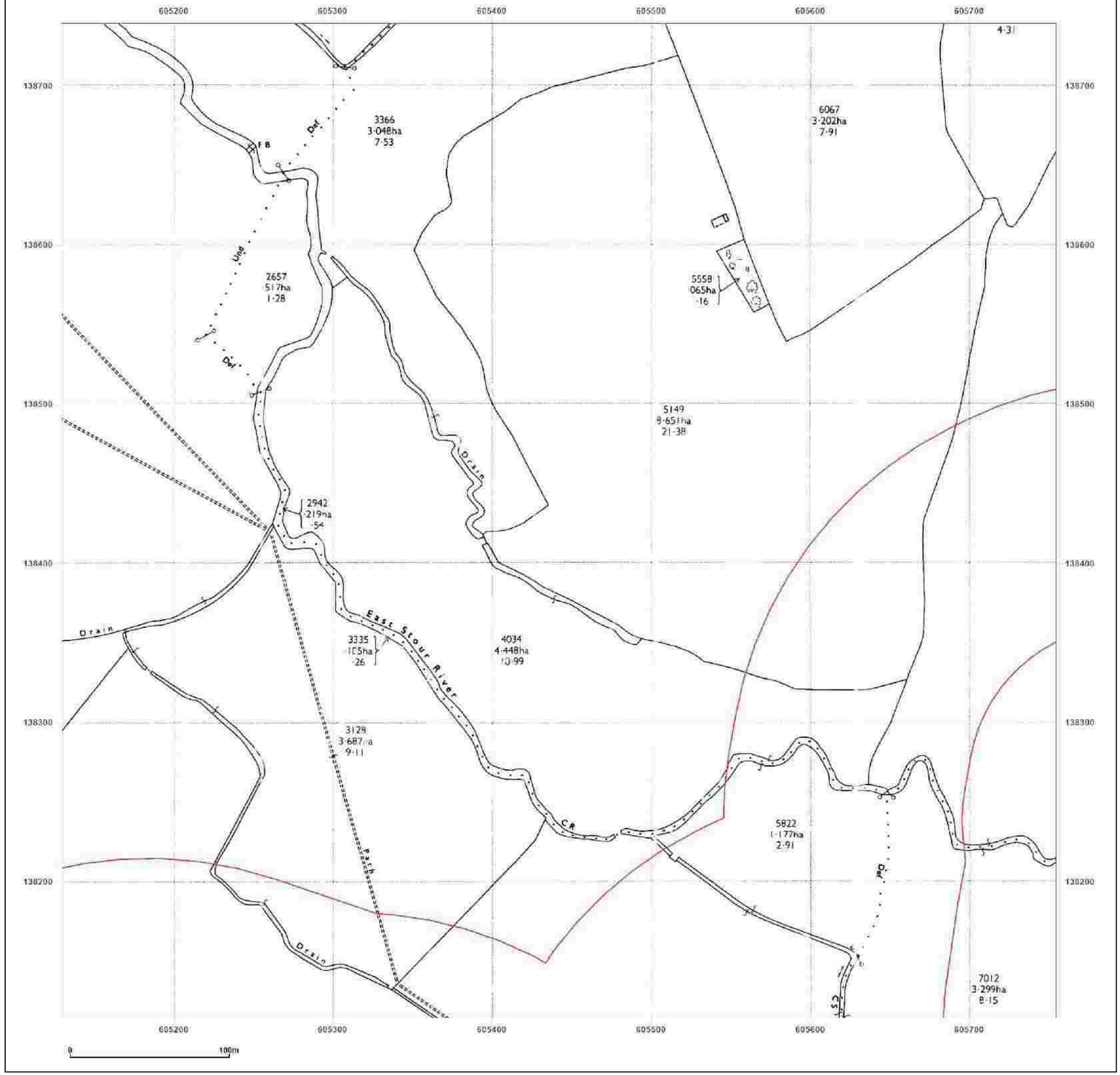

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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

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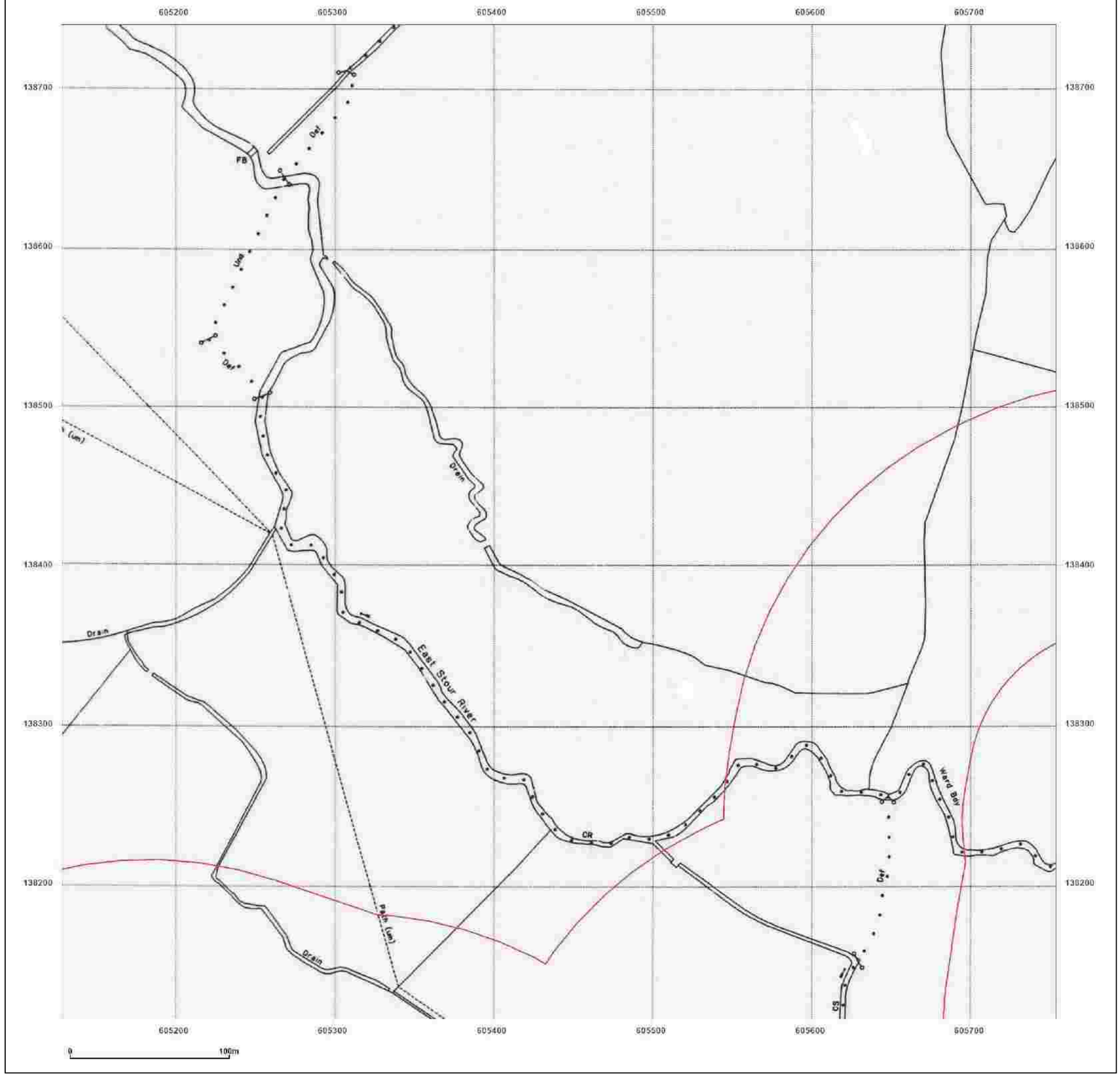

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_3_4
Grid Ref: 605442, 138427

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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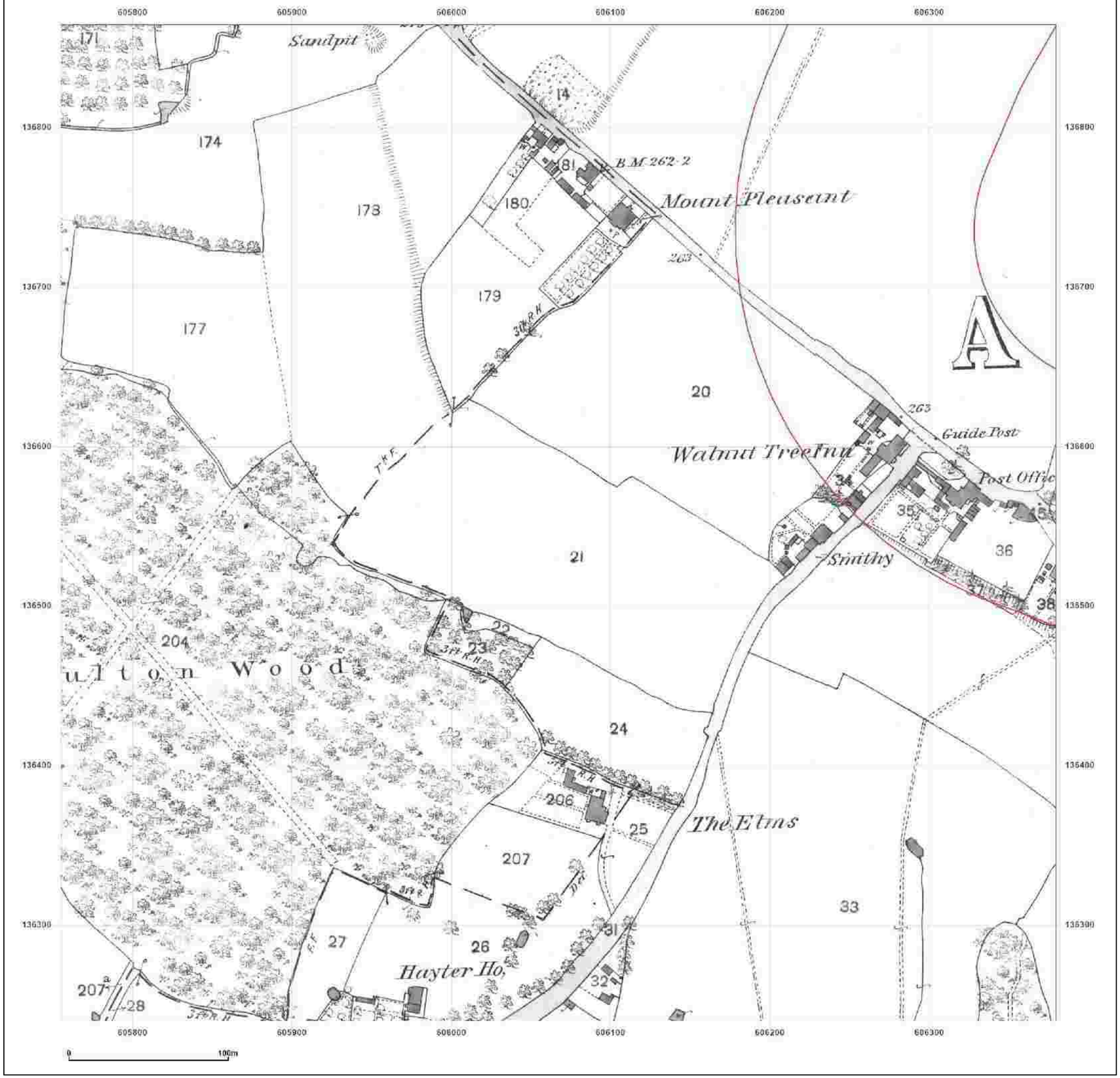

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1871
Revised: 1871
Edition: N/A
Copyright: N/A
Levelled: N/A

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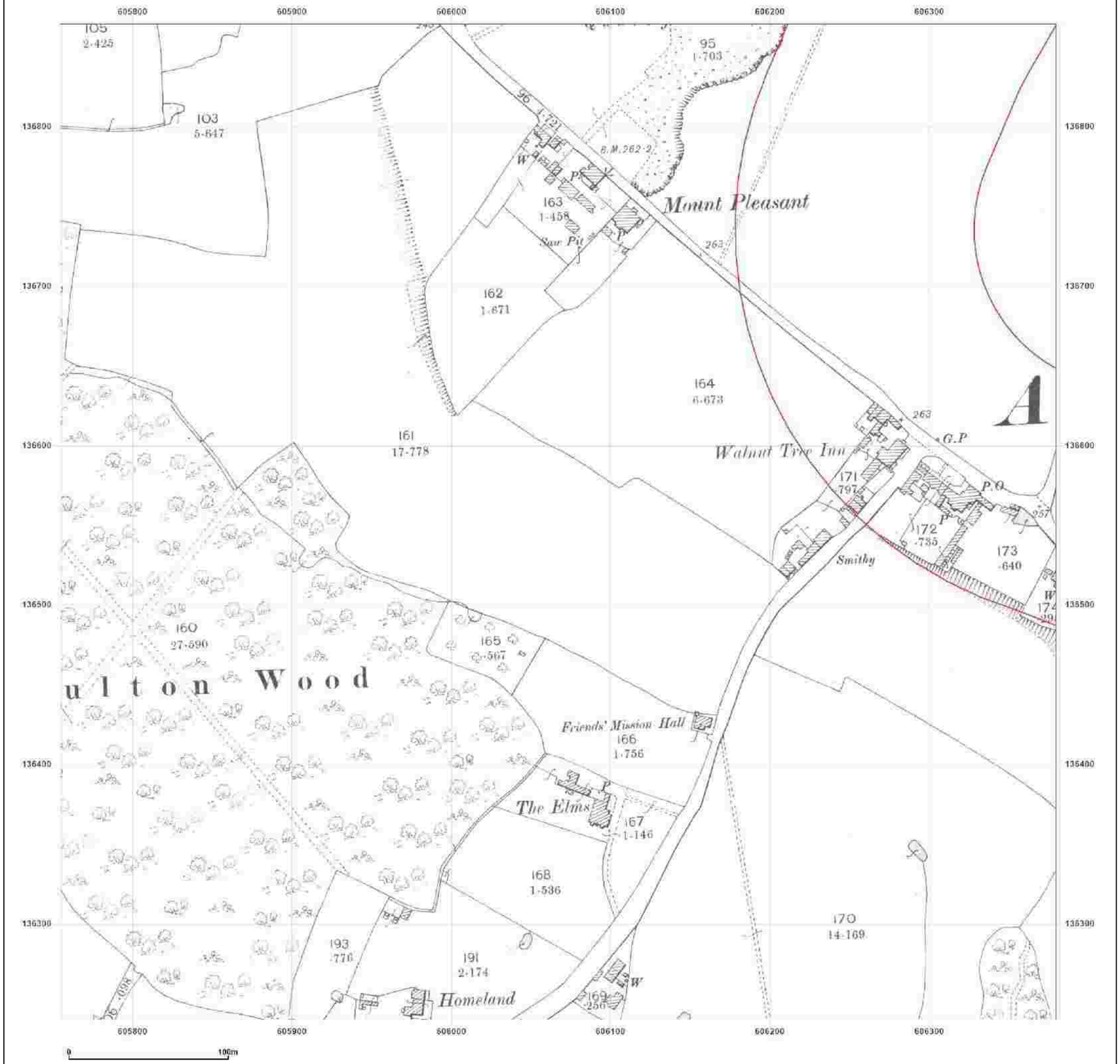

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Site Details:

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Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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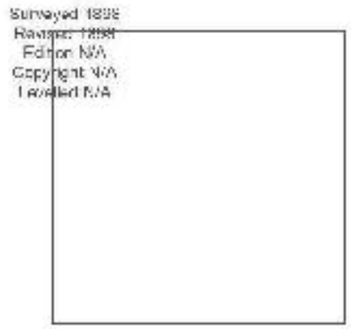

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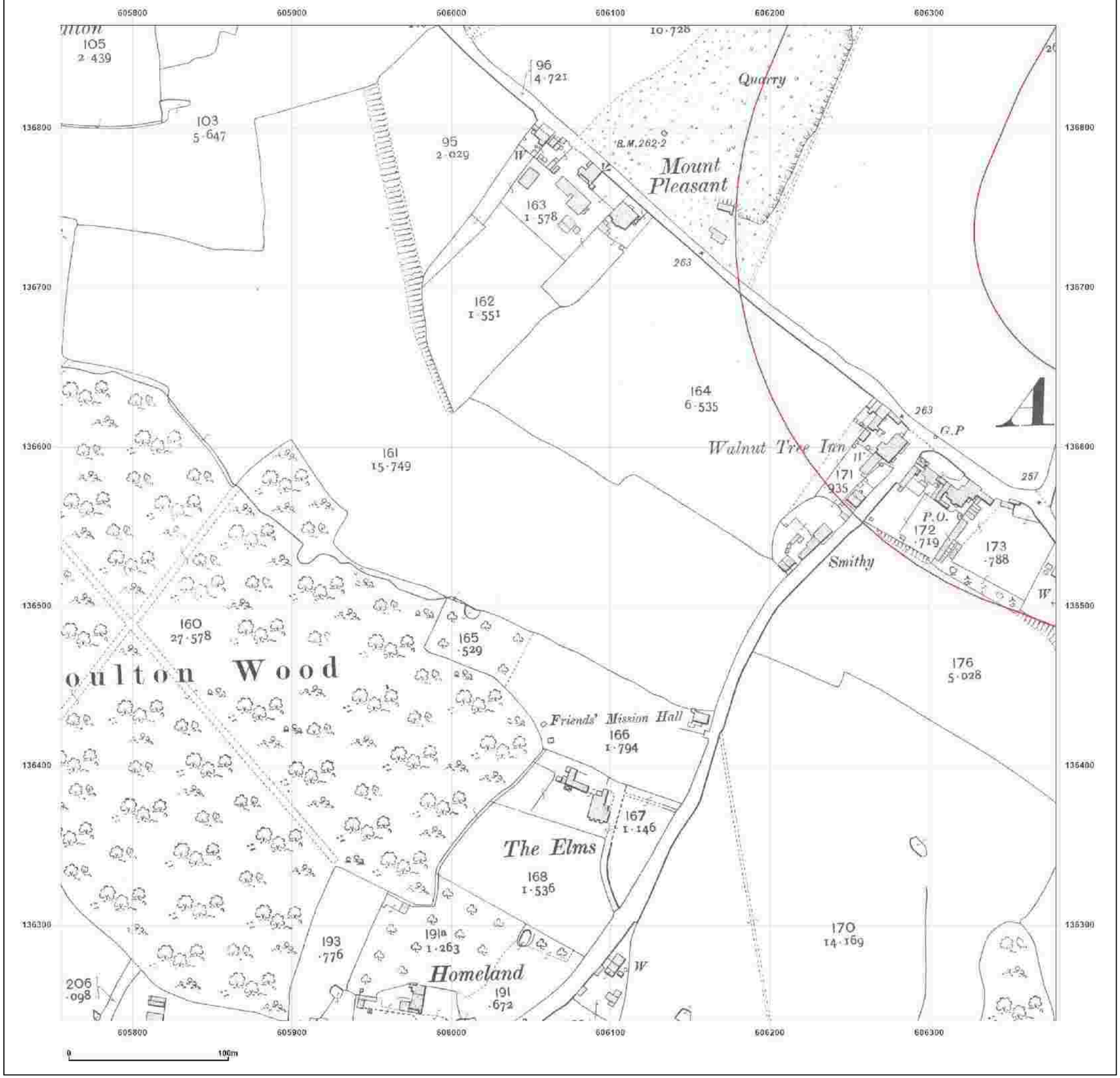

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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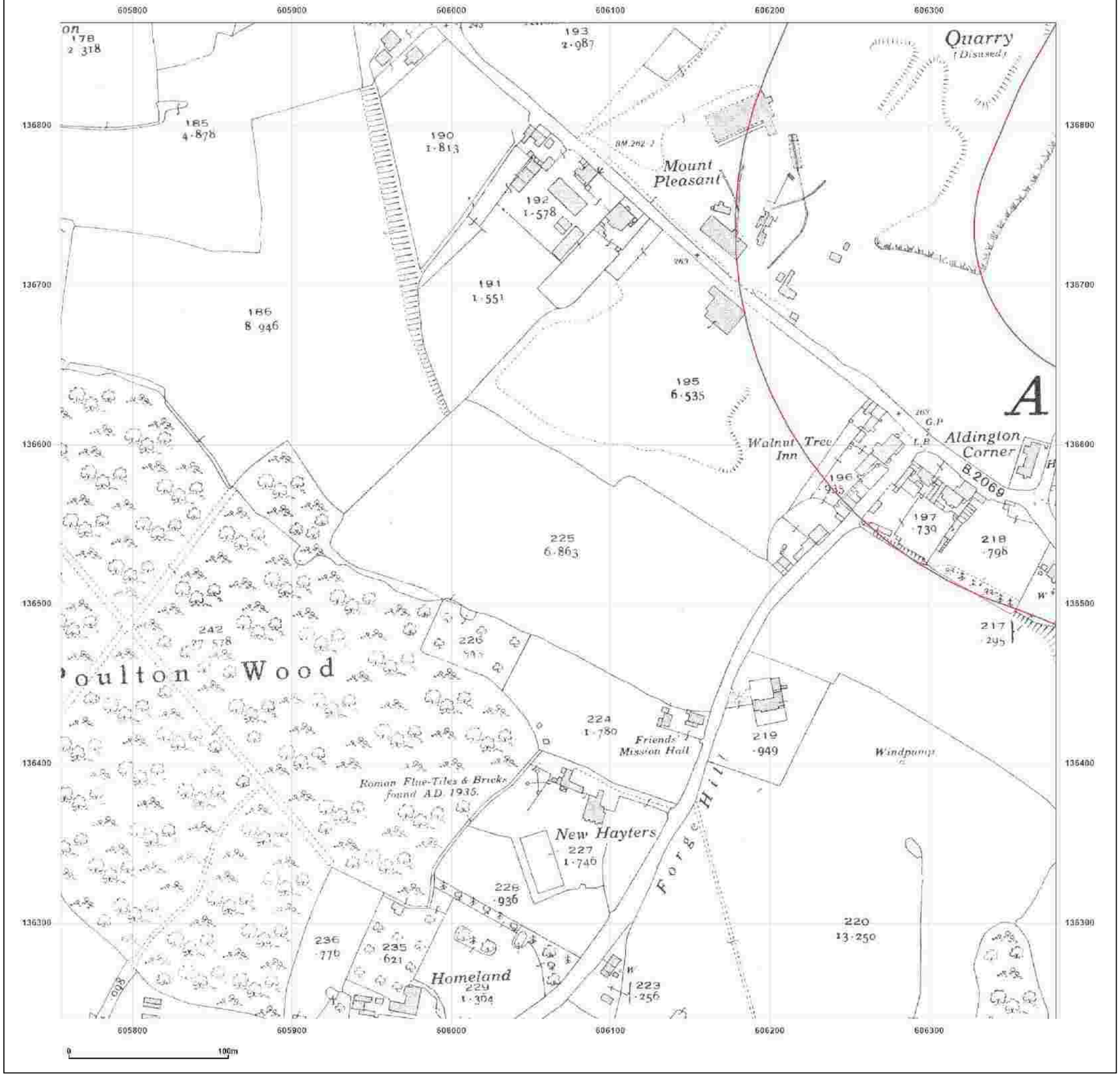

Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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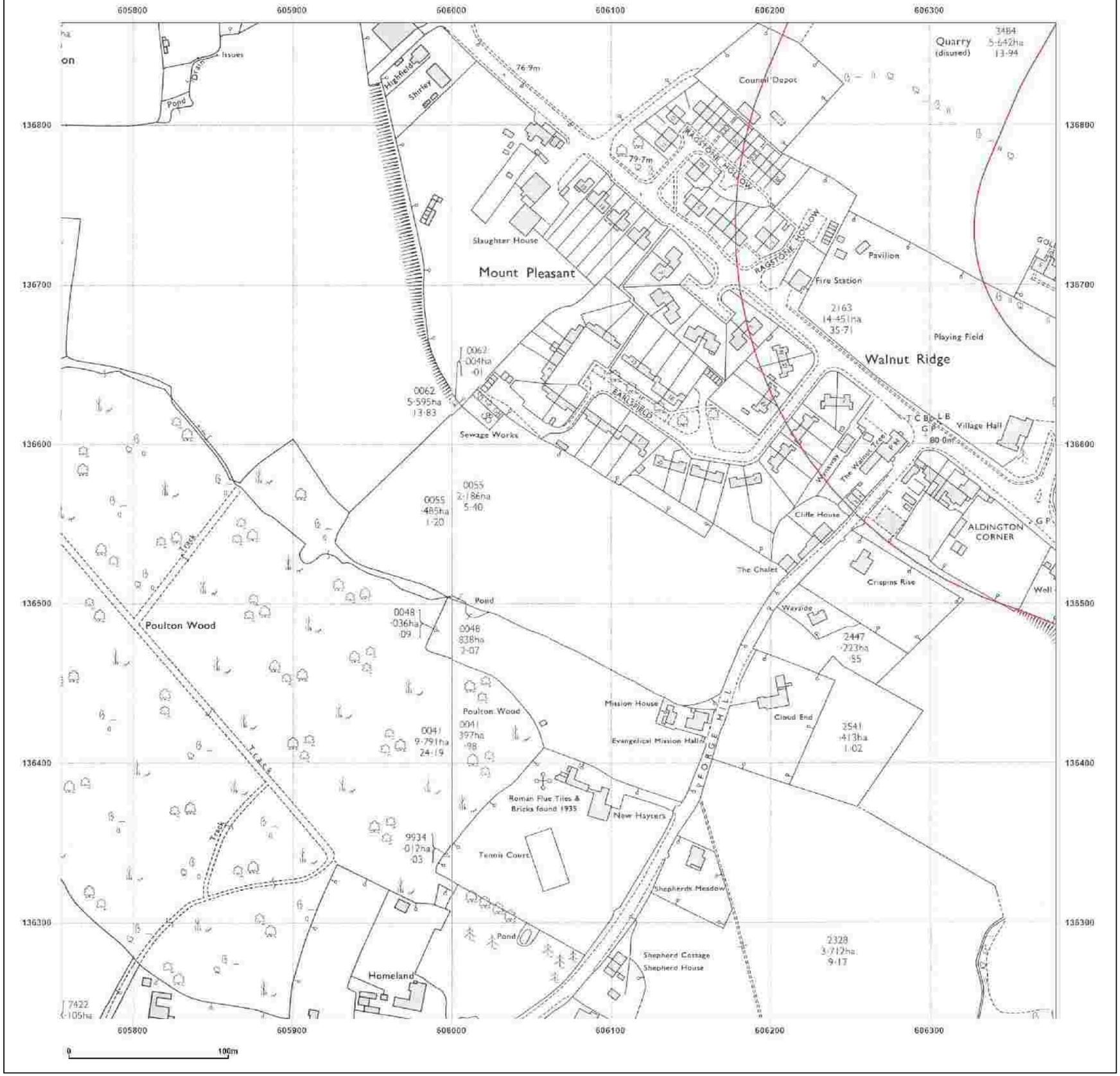

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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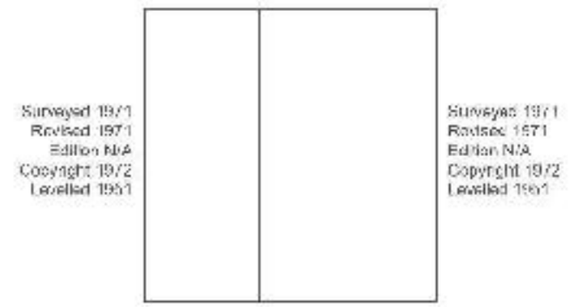

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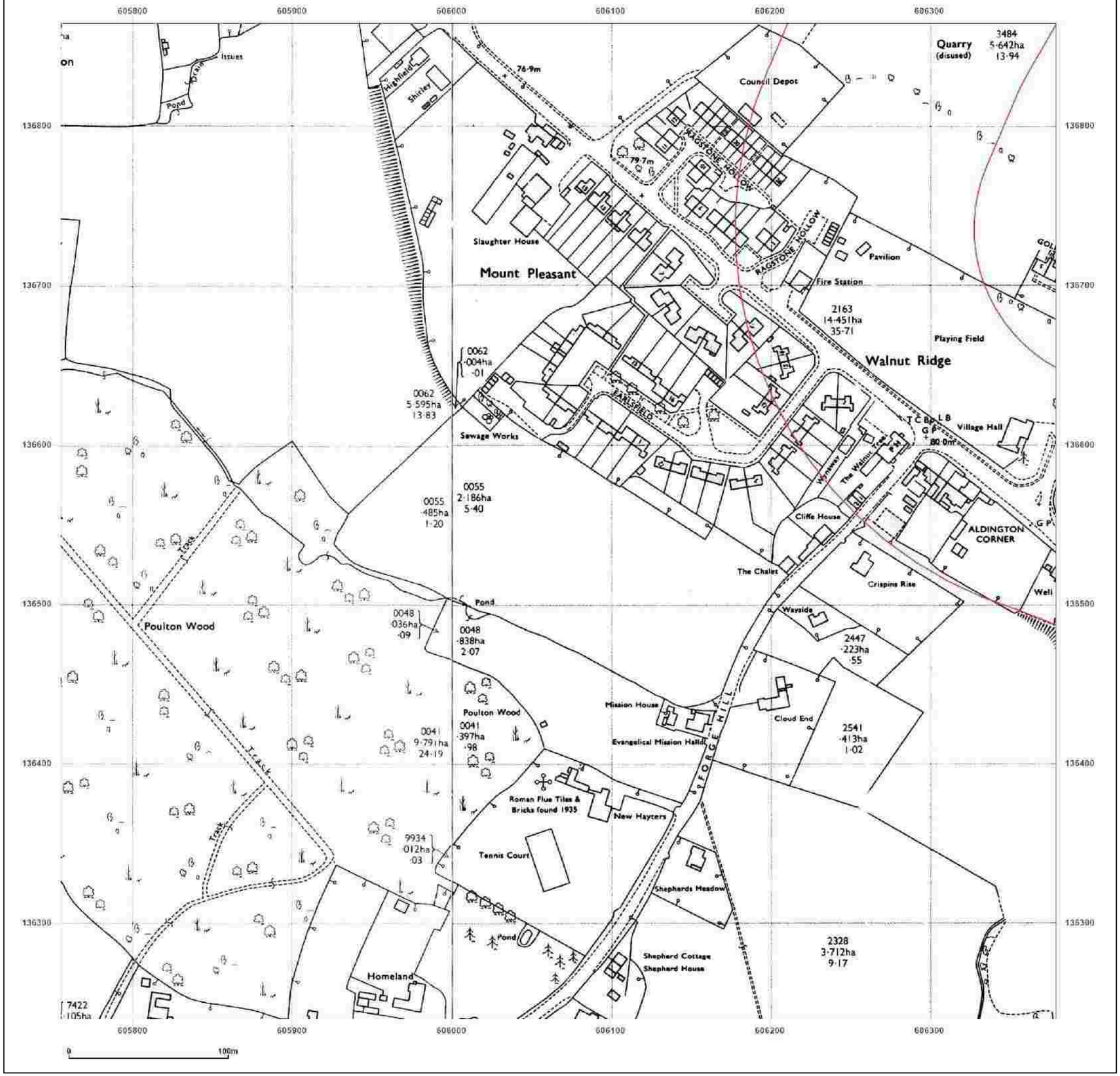

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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

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Revised N/A
Edition N/A
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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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Revised: N/A
Edition: N/A
Copyright: N/A
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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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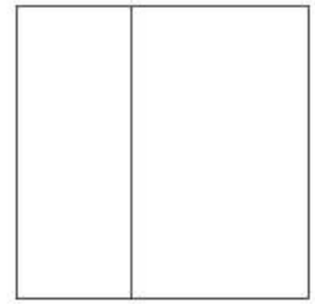

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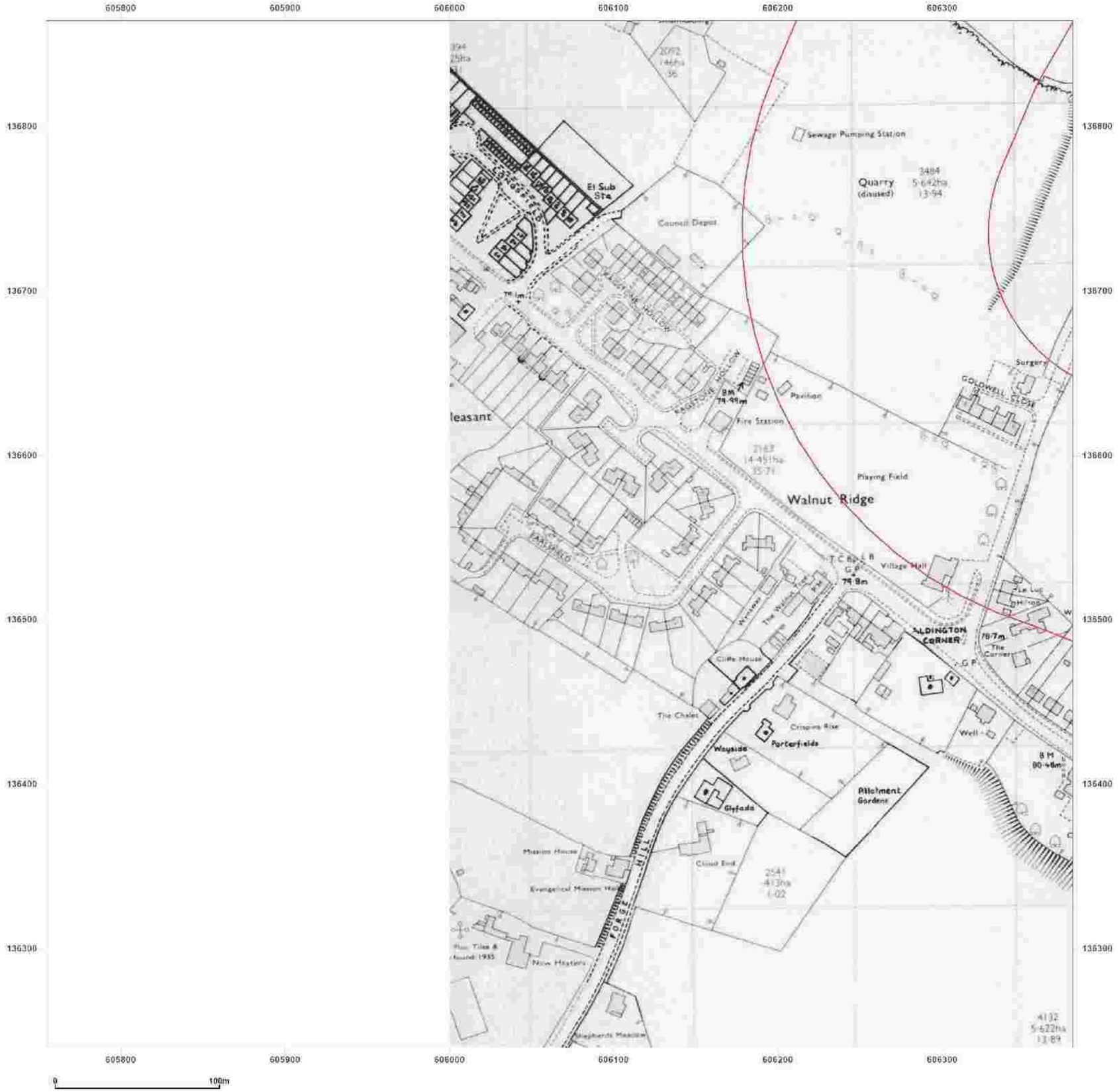

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1980**

Scale: 1:2,500

Printed at: 1:2,500

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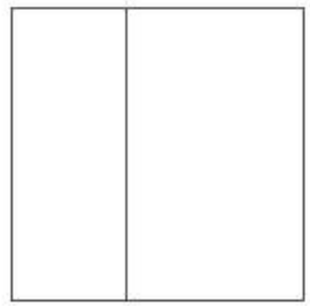

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Revised: N/A
Edition: N/A
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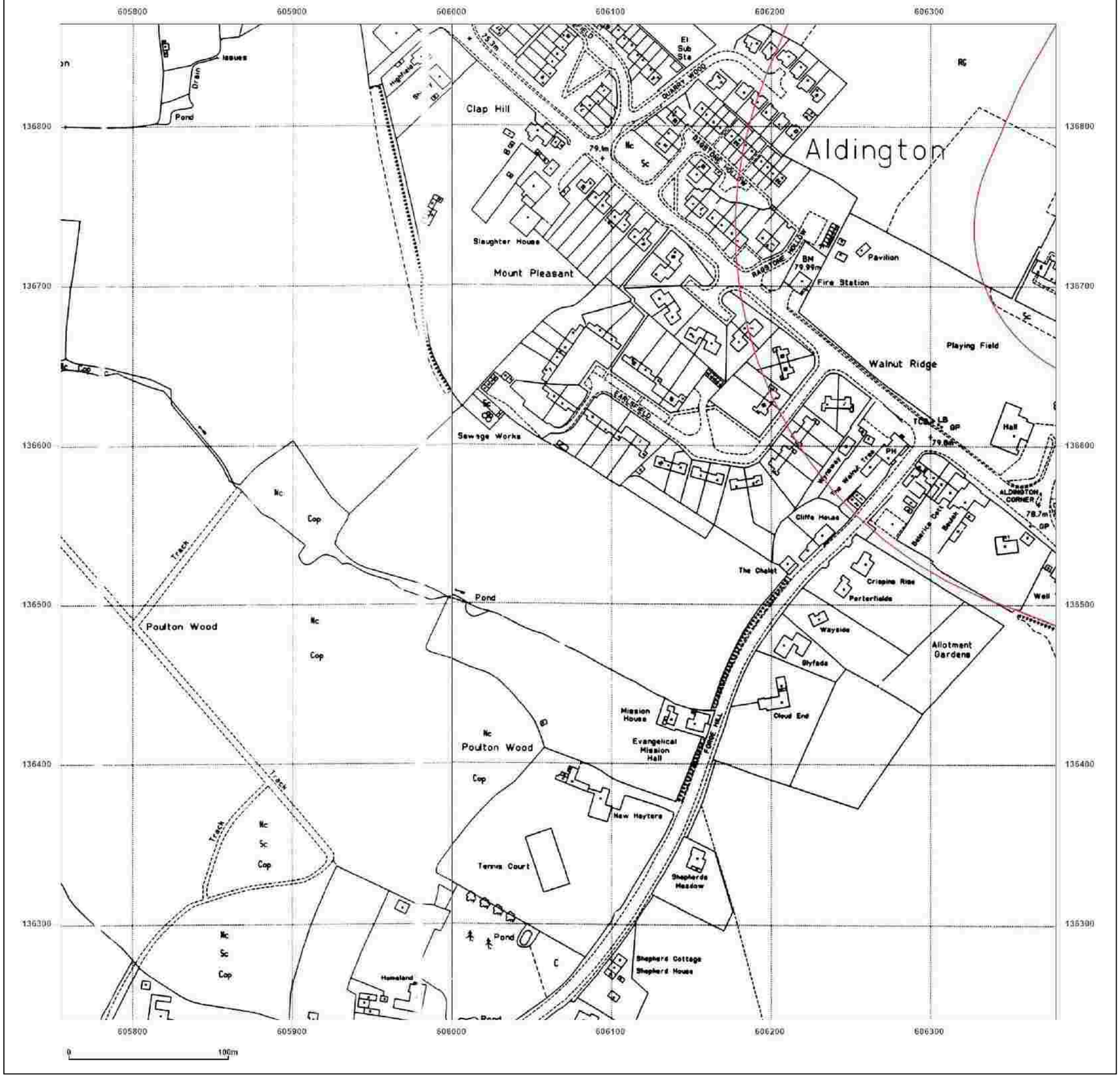

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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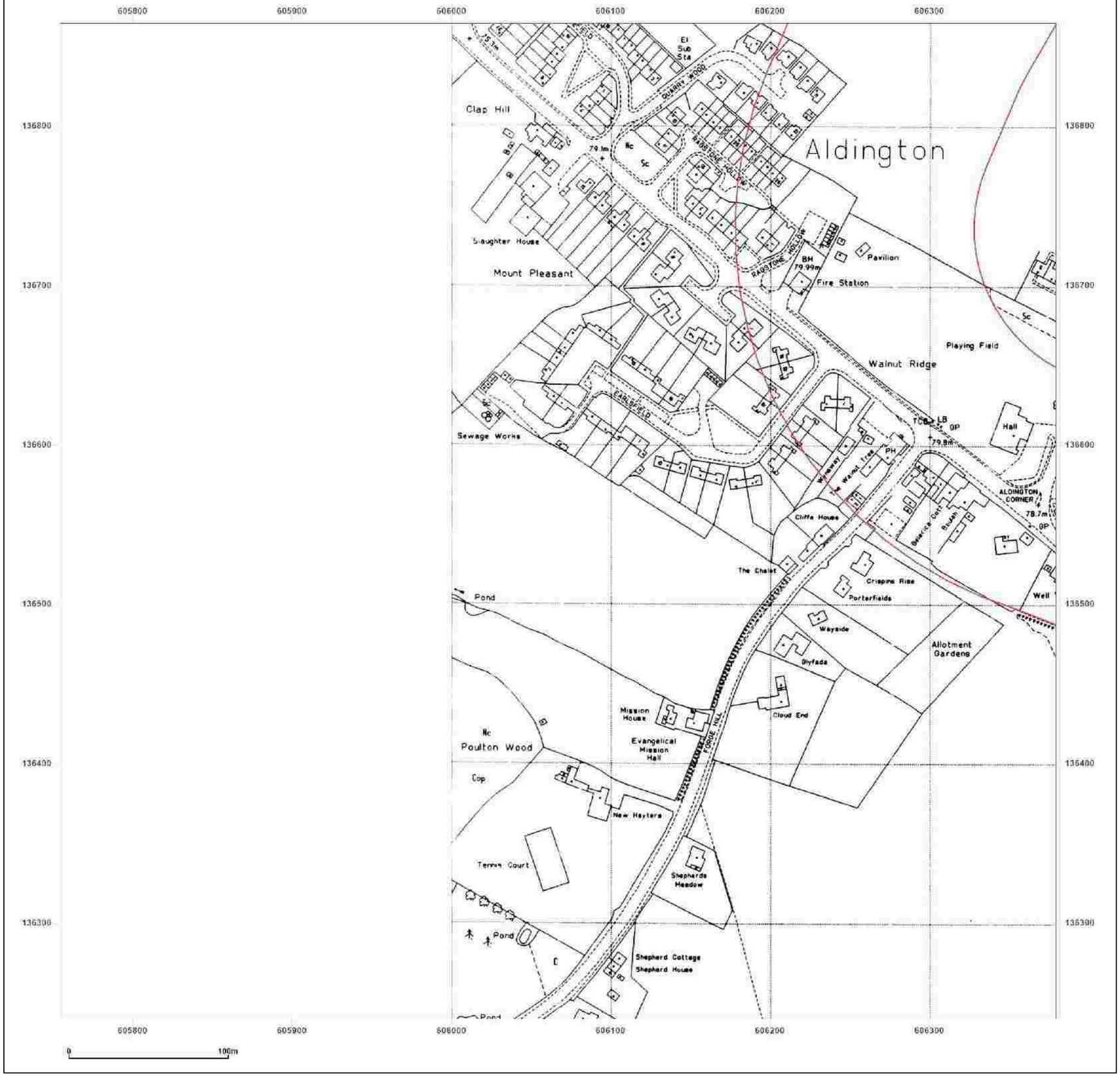

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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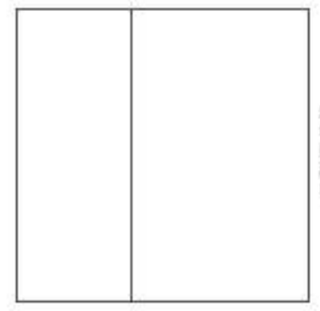

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_1
Grid Ref: 606067, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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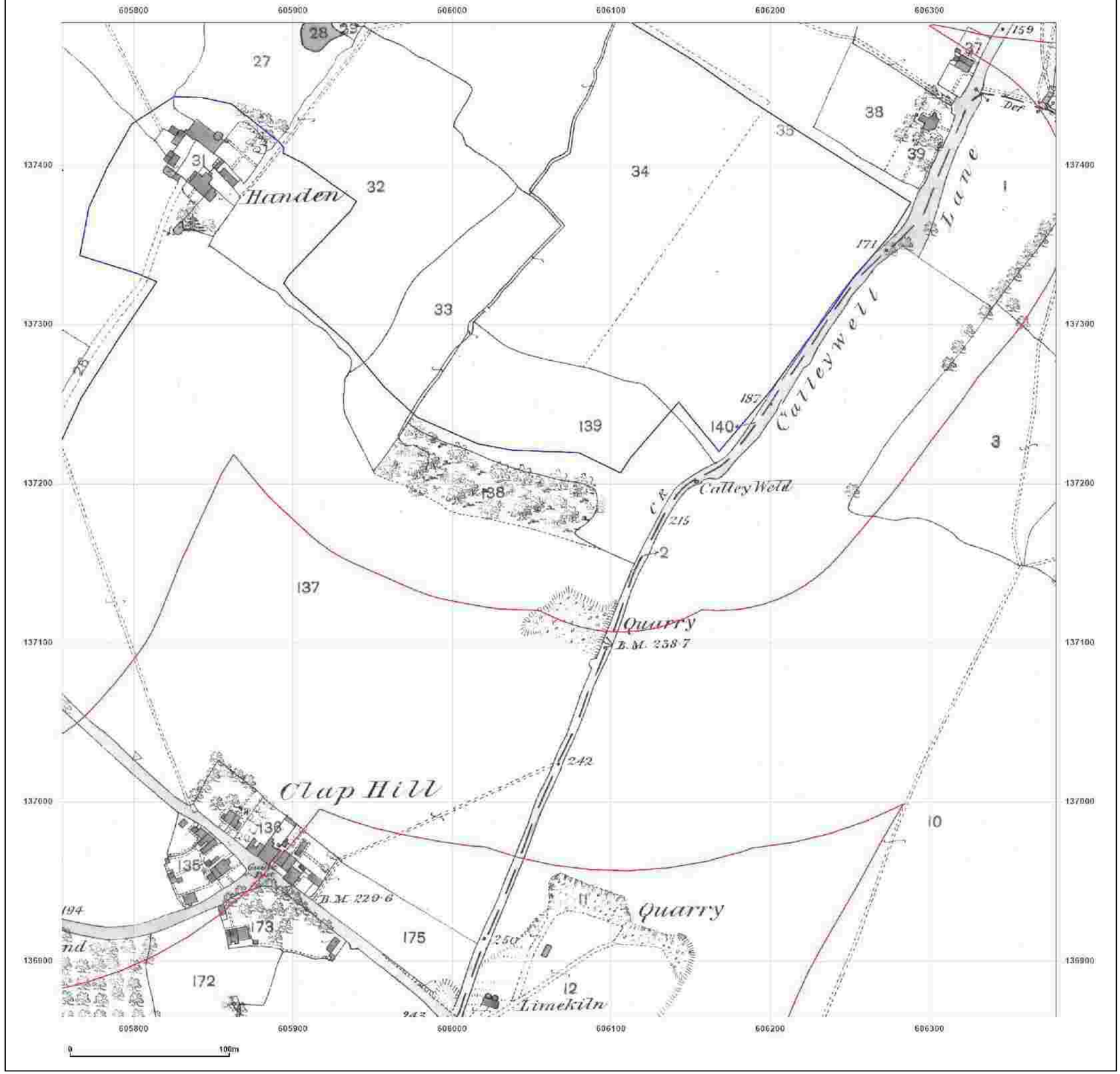

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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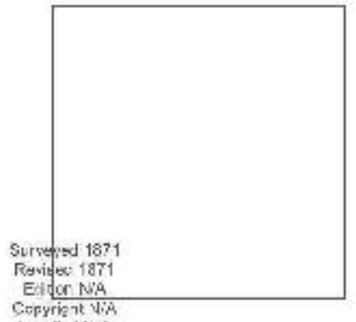

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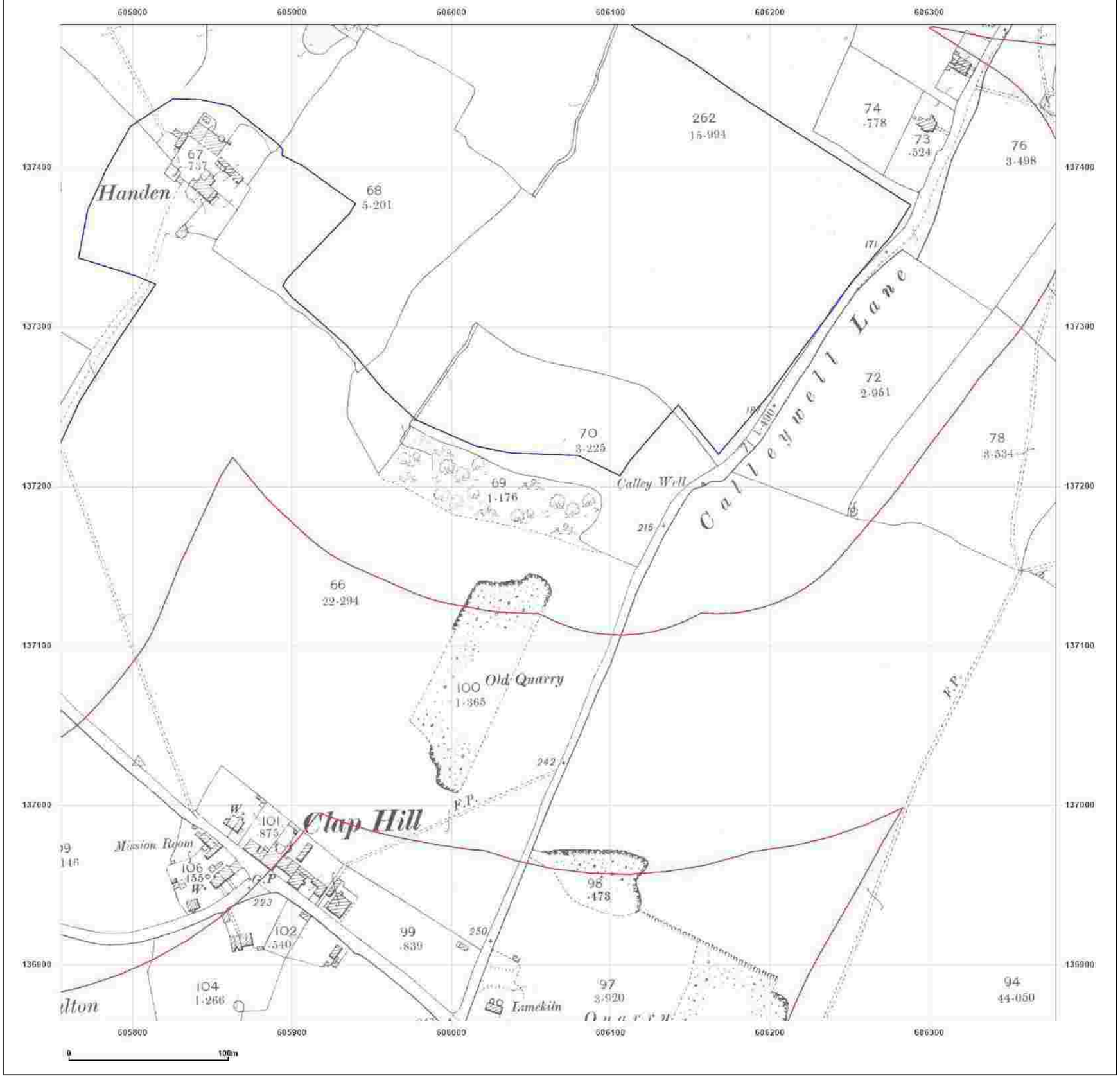

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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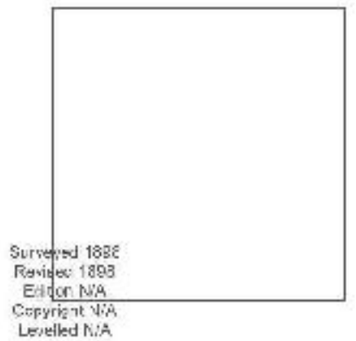

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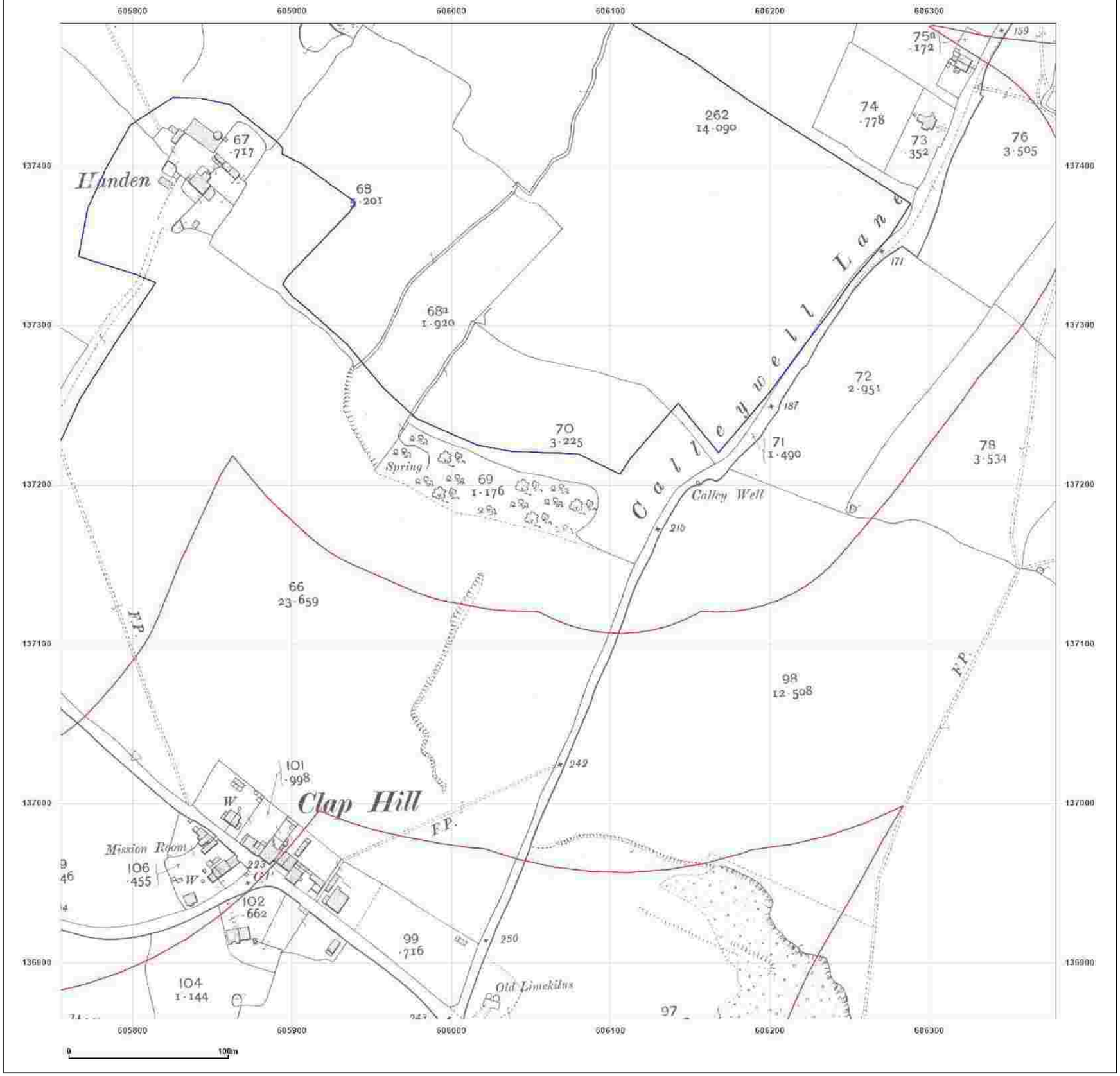

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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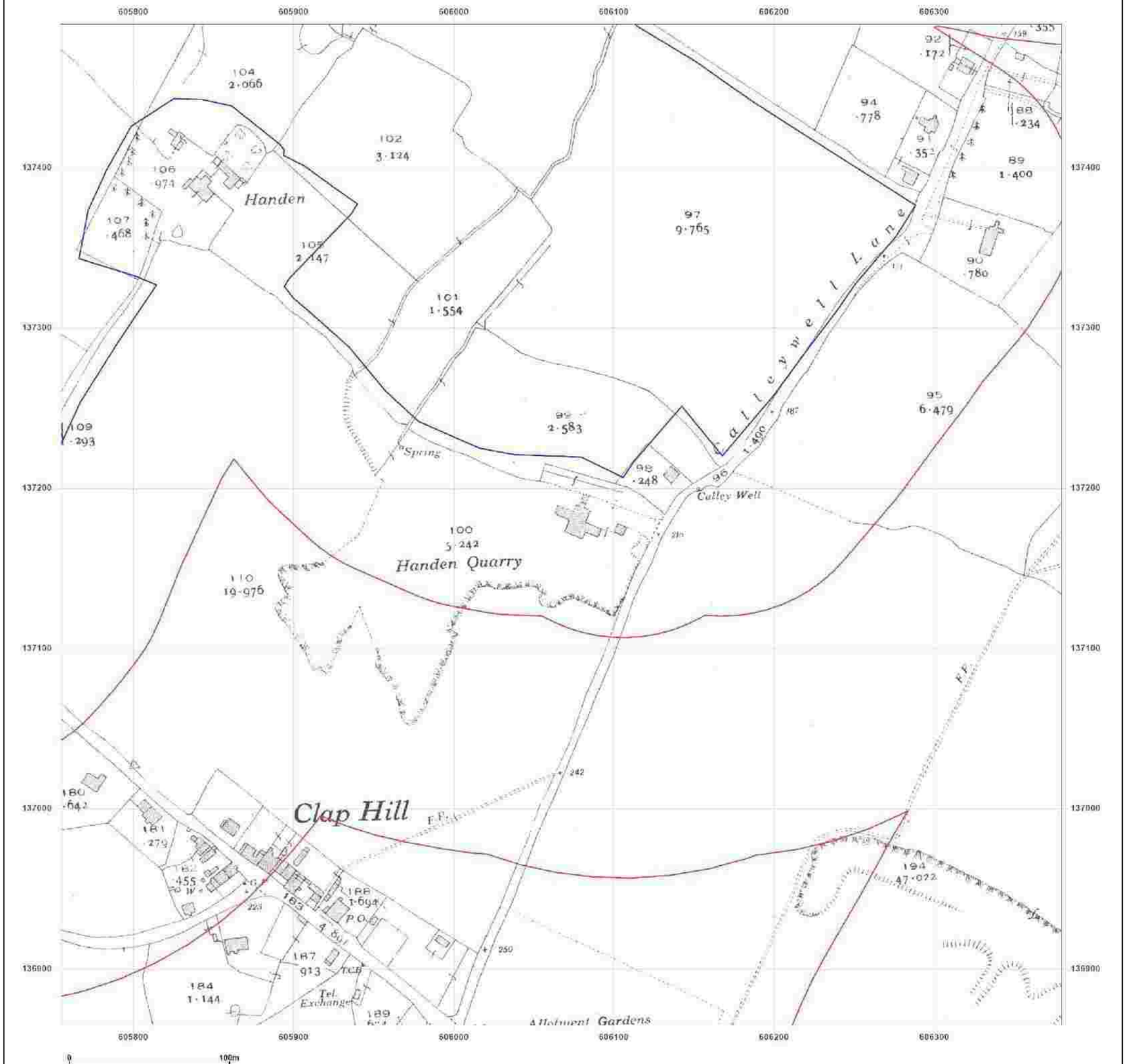

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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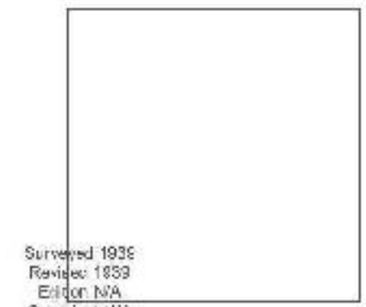

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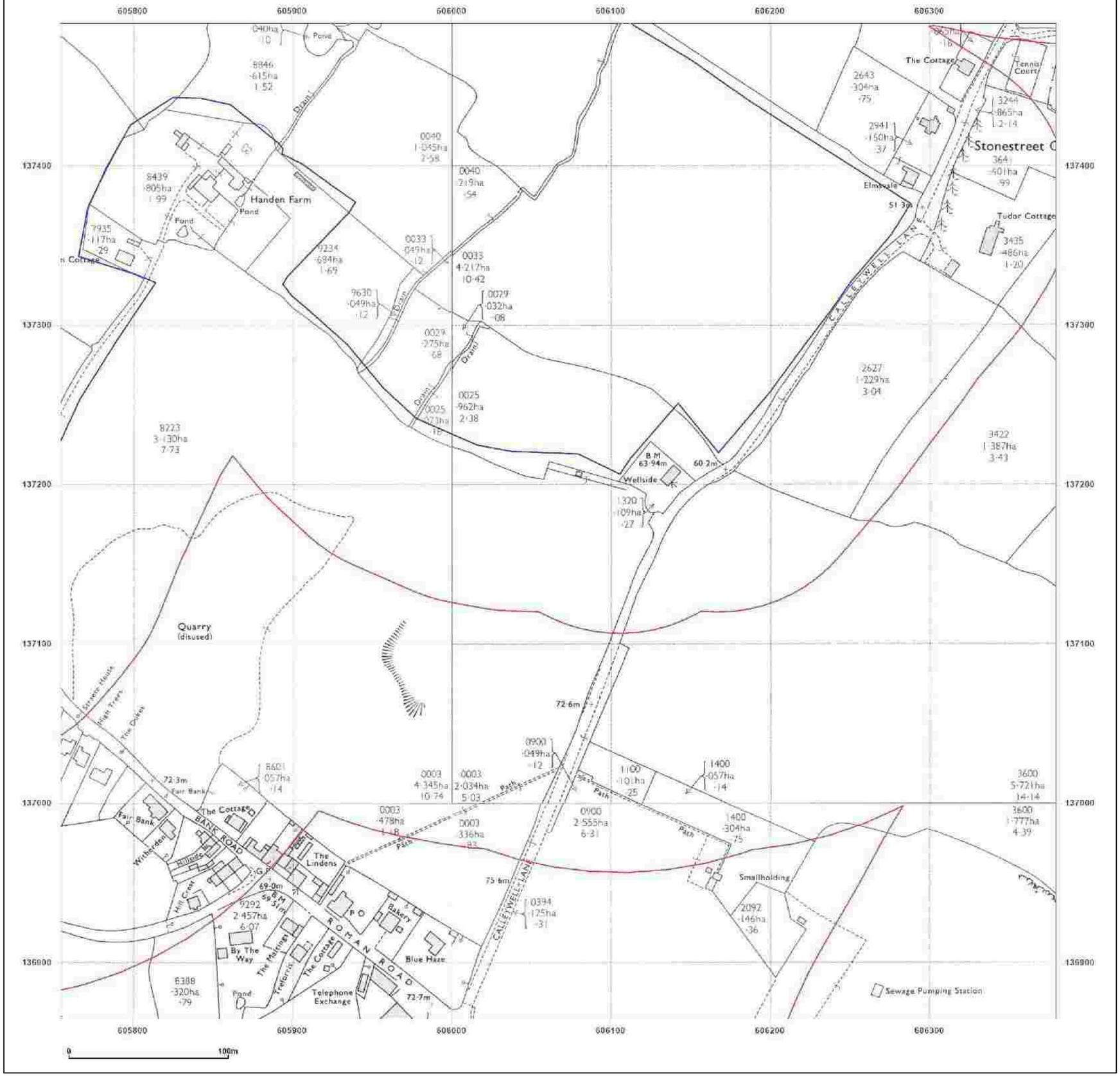

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

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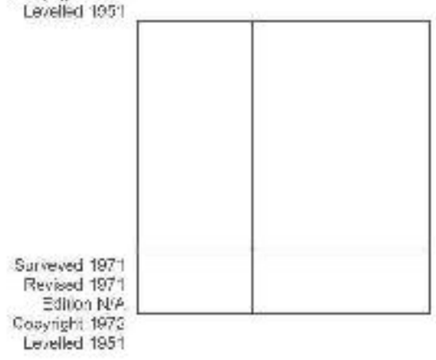
Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

Surveyed 1970
Revised 1970
Edition N/A
Copyright 1971
Levelled 1951



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Copyright 1972
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Revised 1971
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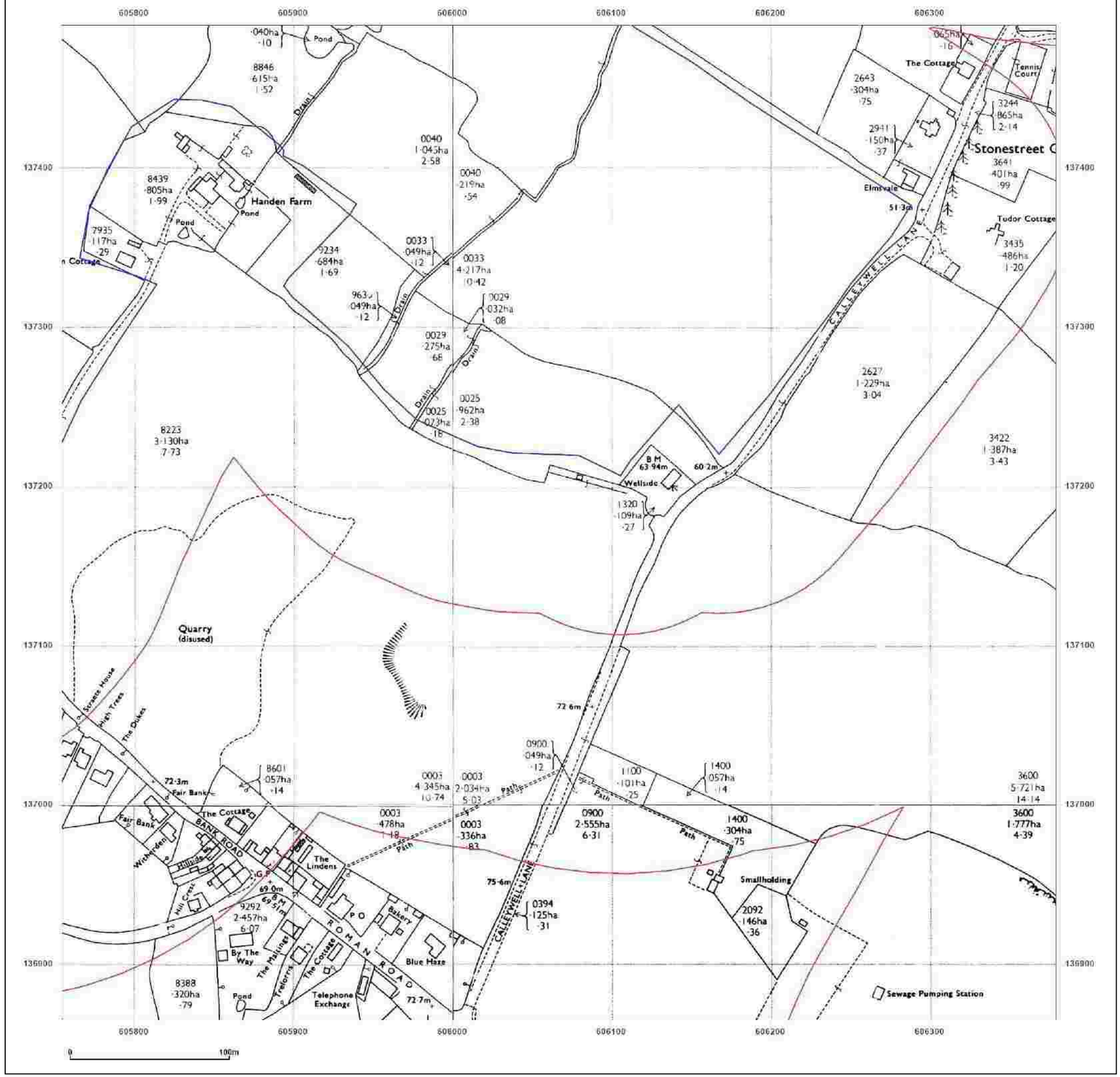

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

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Revised N/A
Edition N/A
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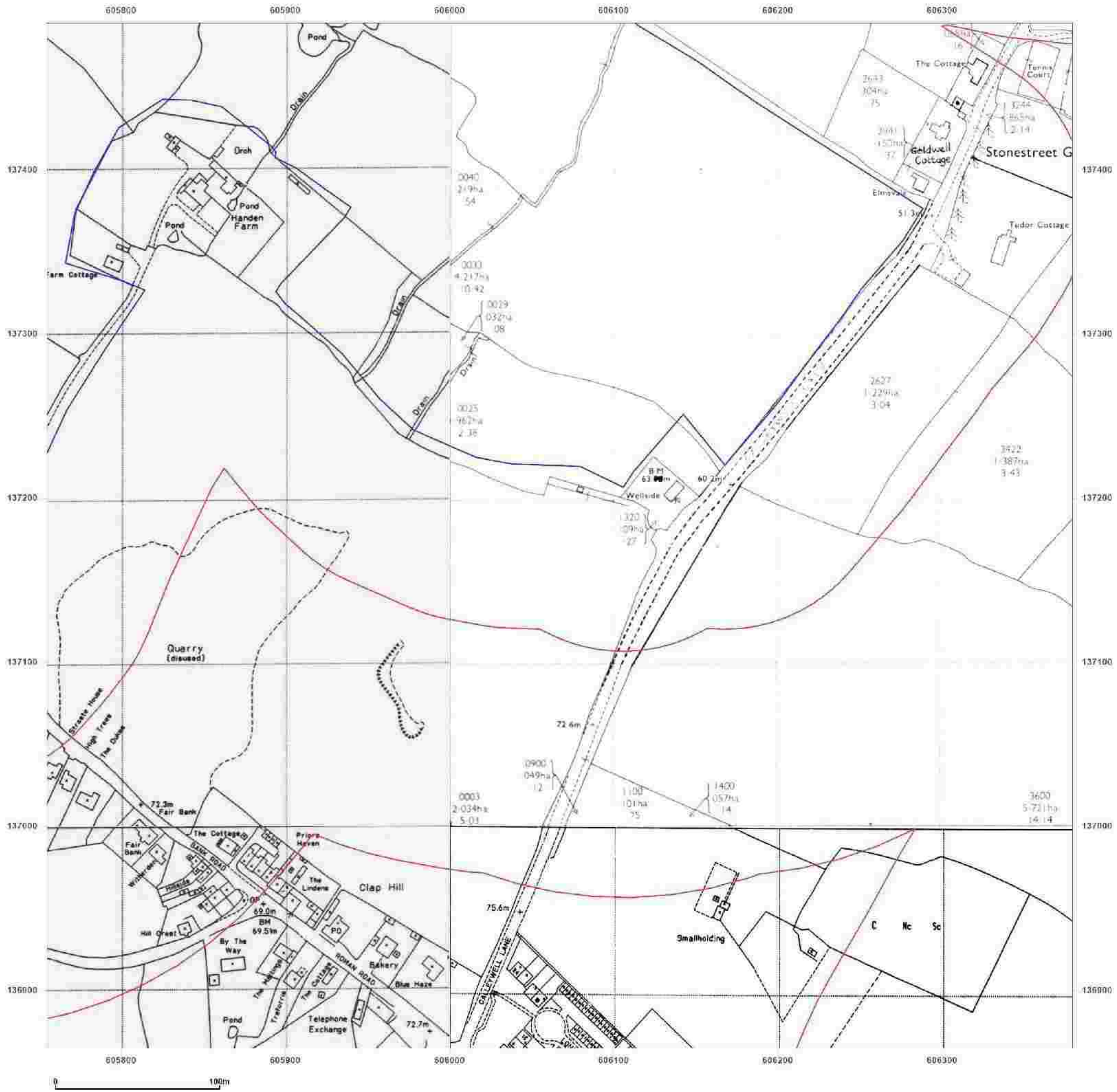

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Leveled N/A

Surveyed 1951
Revised 1991
Edition N/A
Copyright 1981
Levelled 1951

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Leveled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1983
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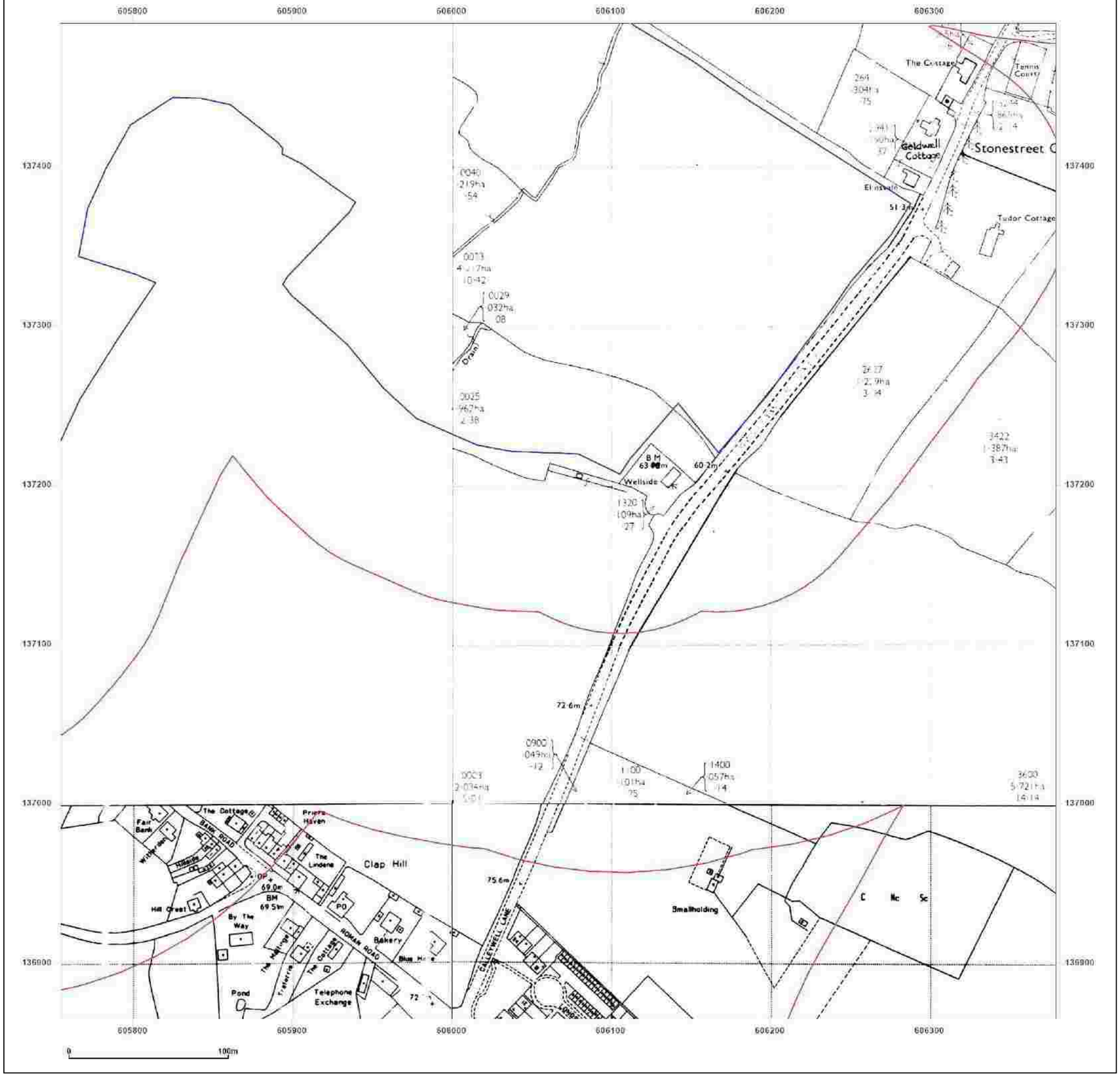

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:2,500

Printed at: 1:2,500

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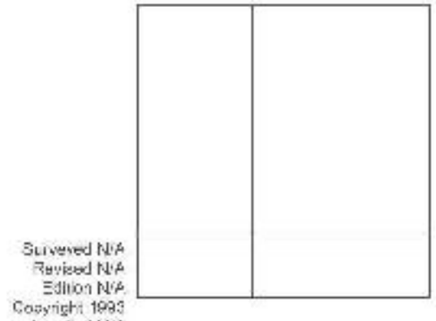
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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Revised N/A
Edition N/A
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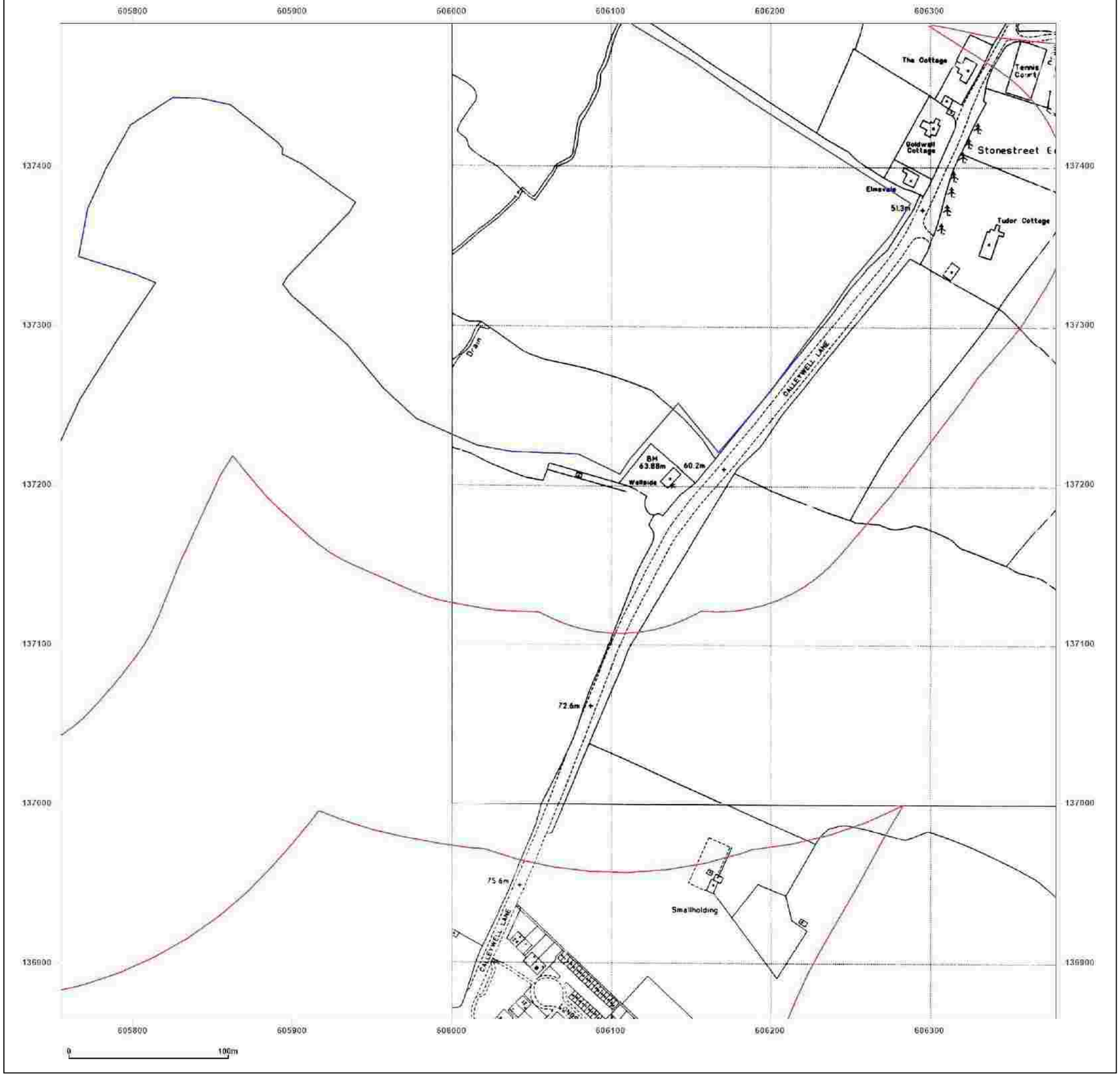

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_2
Grid Ref: 606067, 137177

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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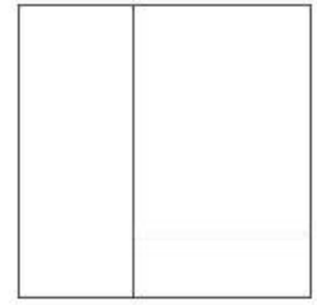

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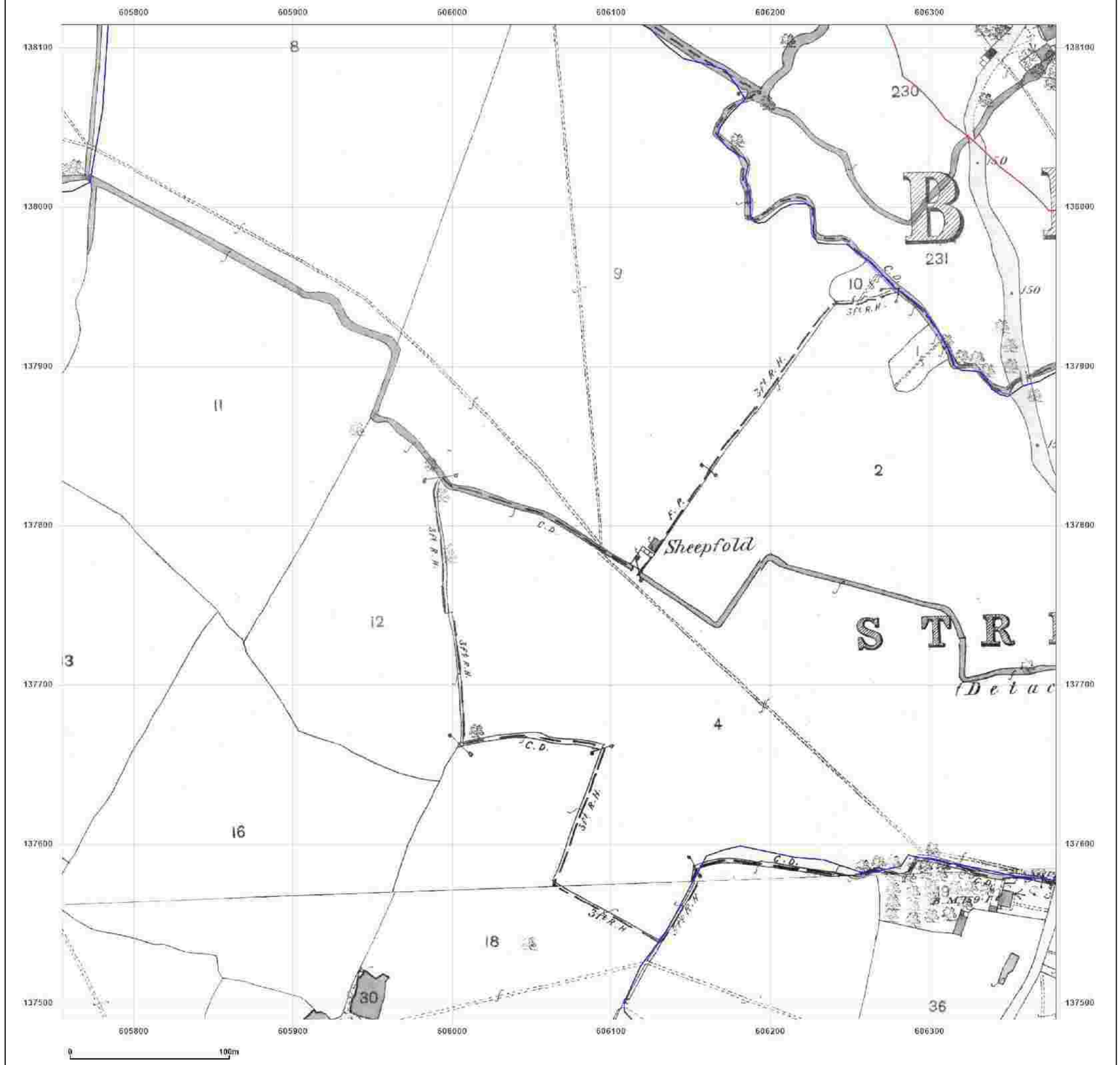

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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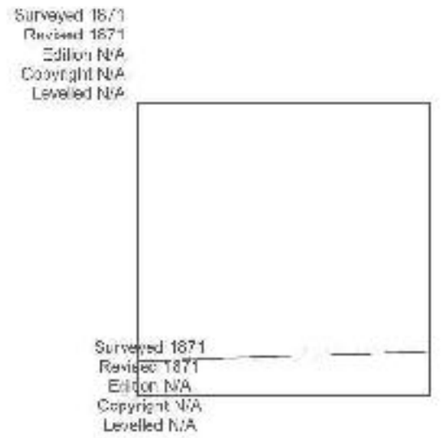

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Production date: 17 December 2021

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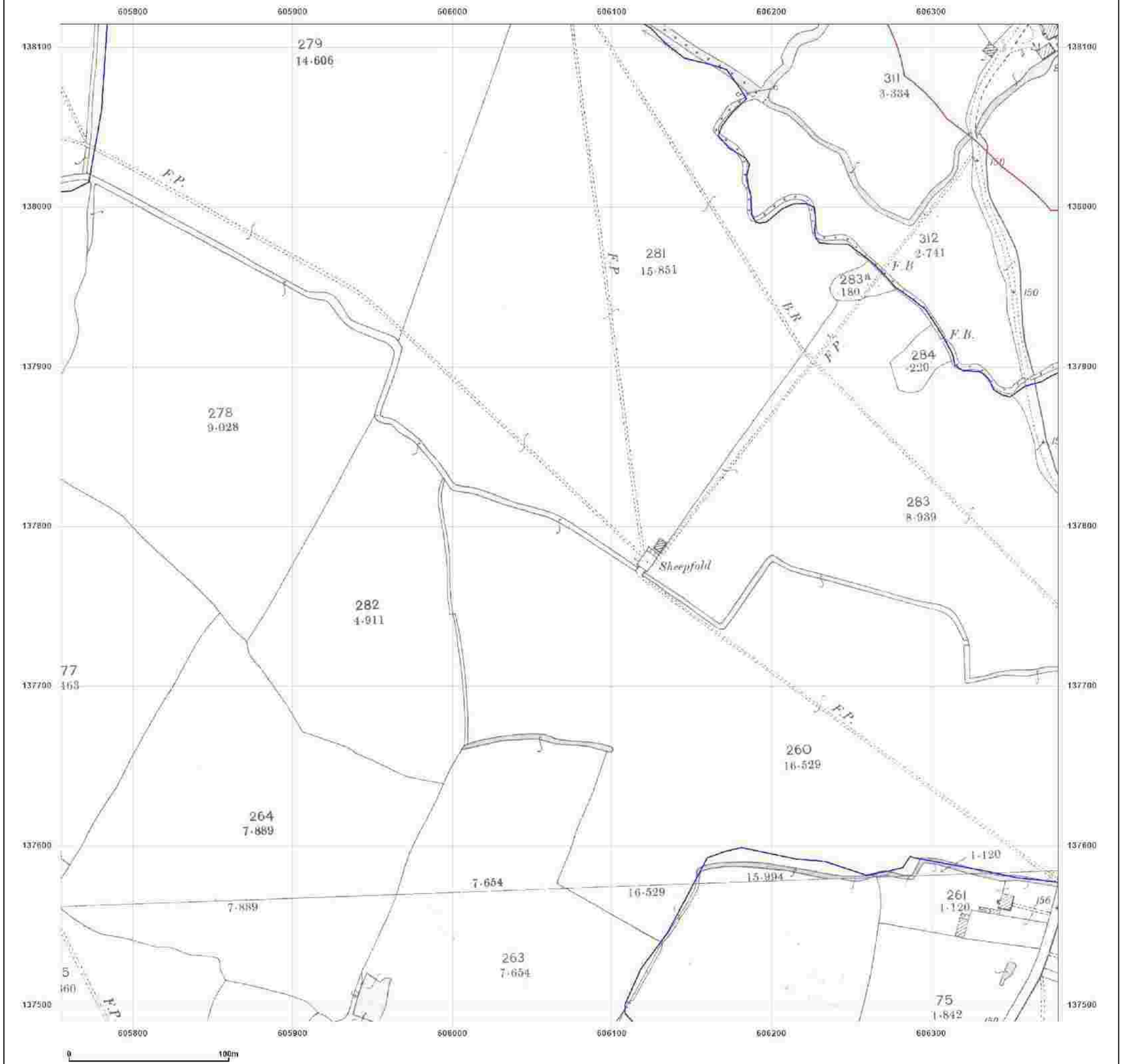

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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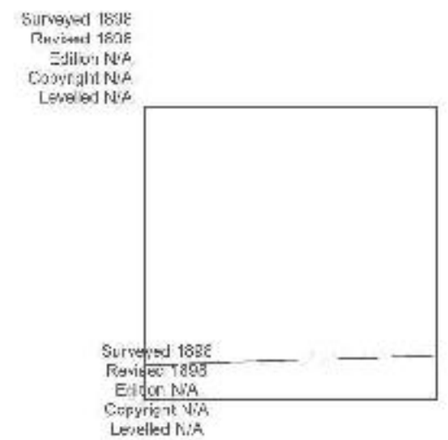

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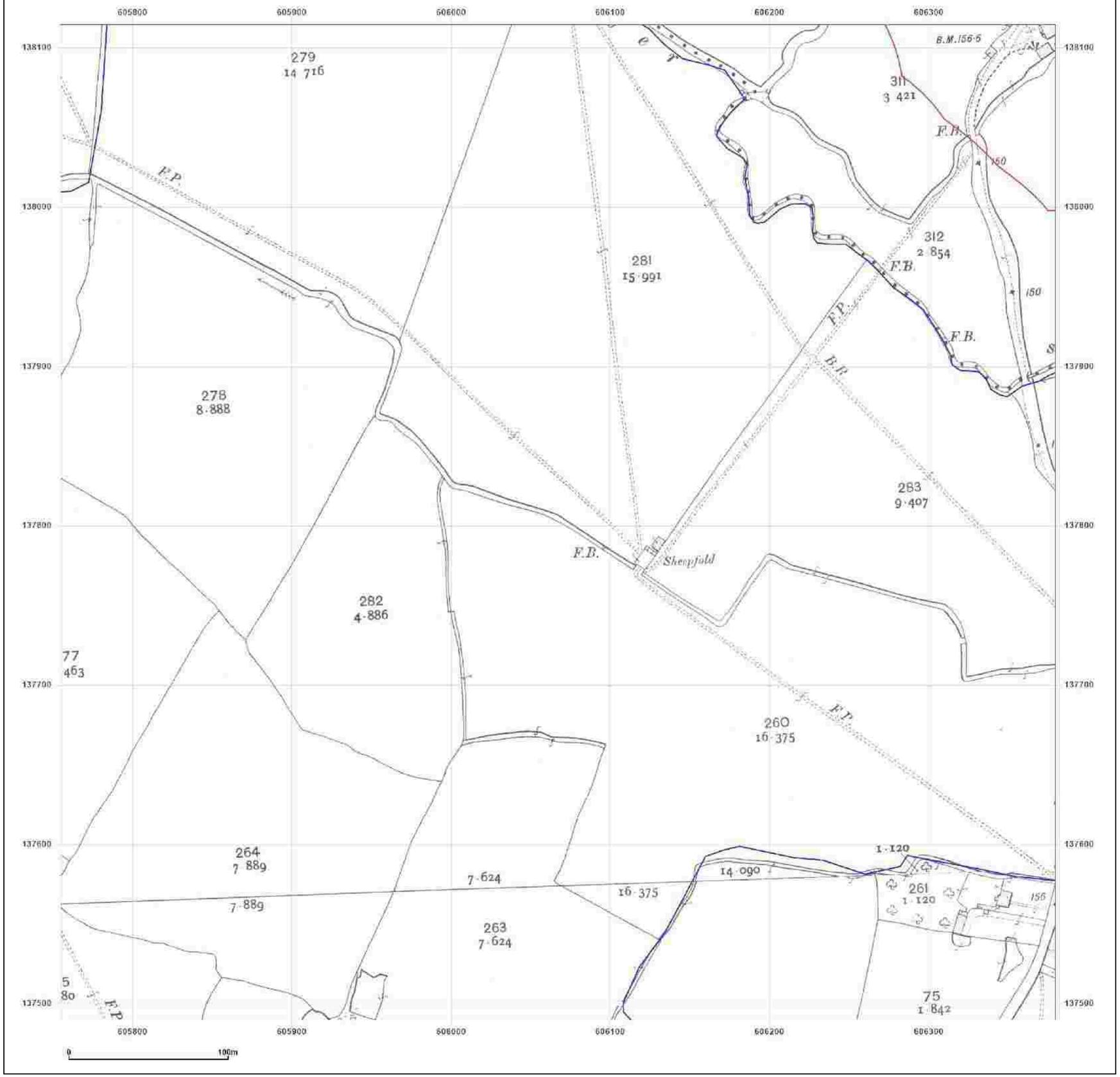

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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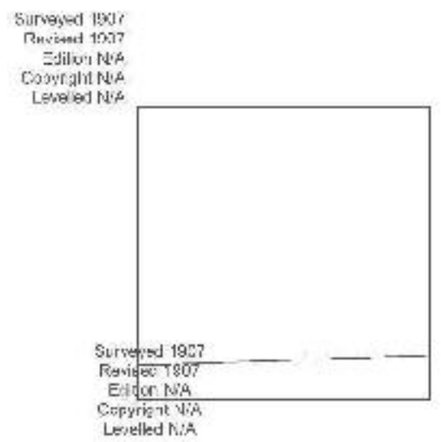

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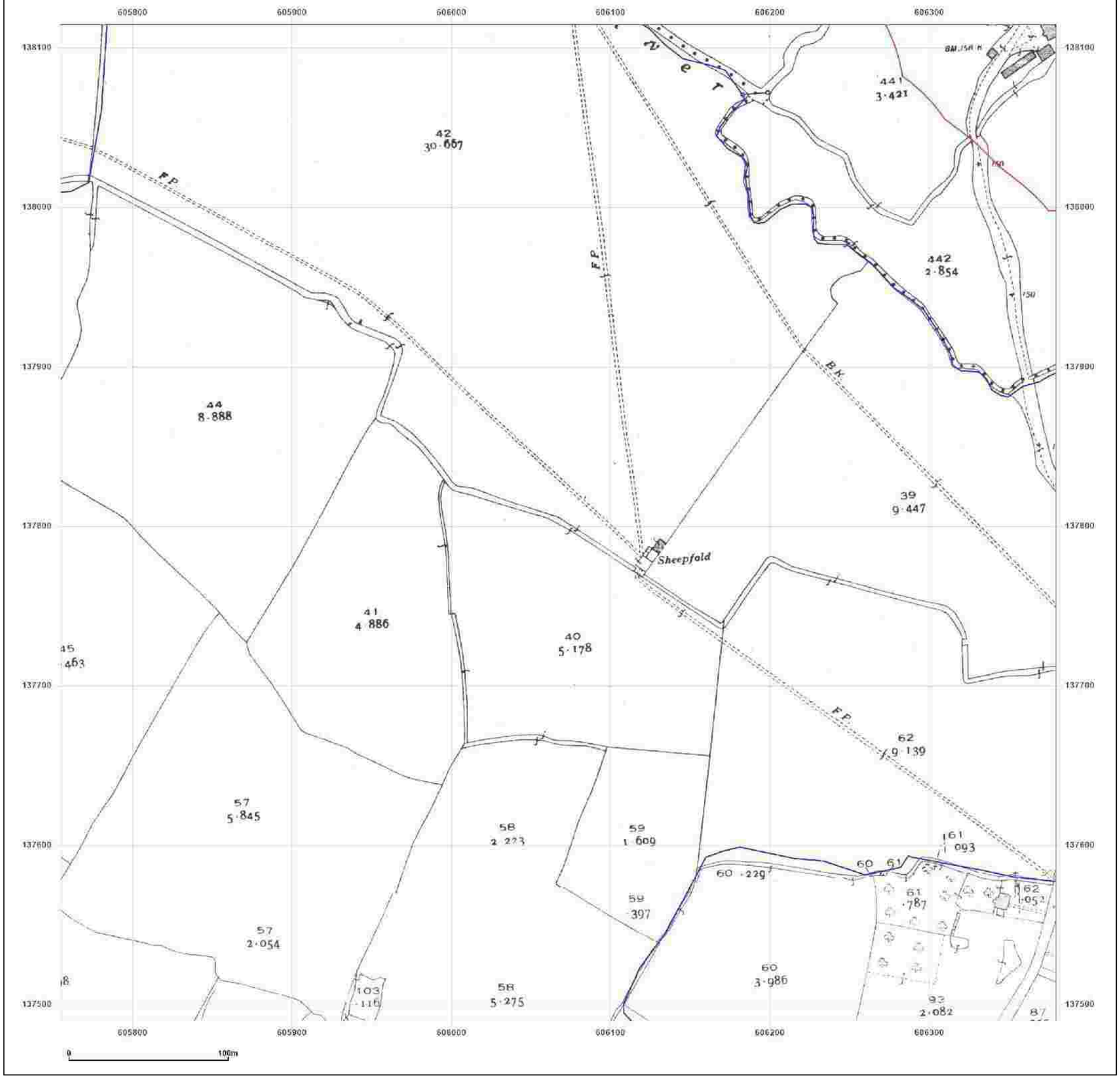

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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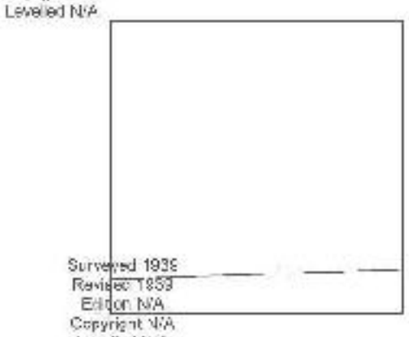
Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



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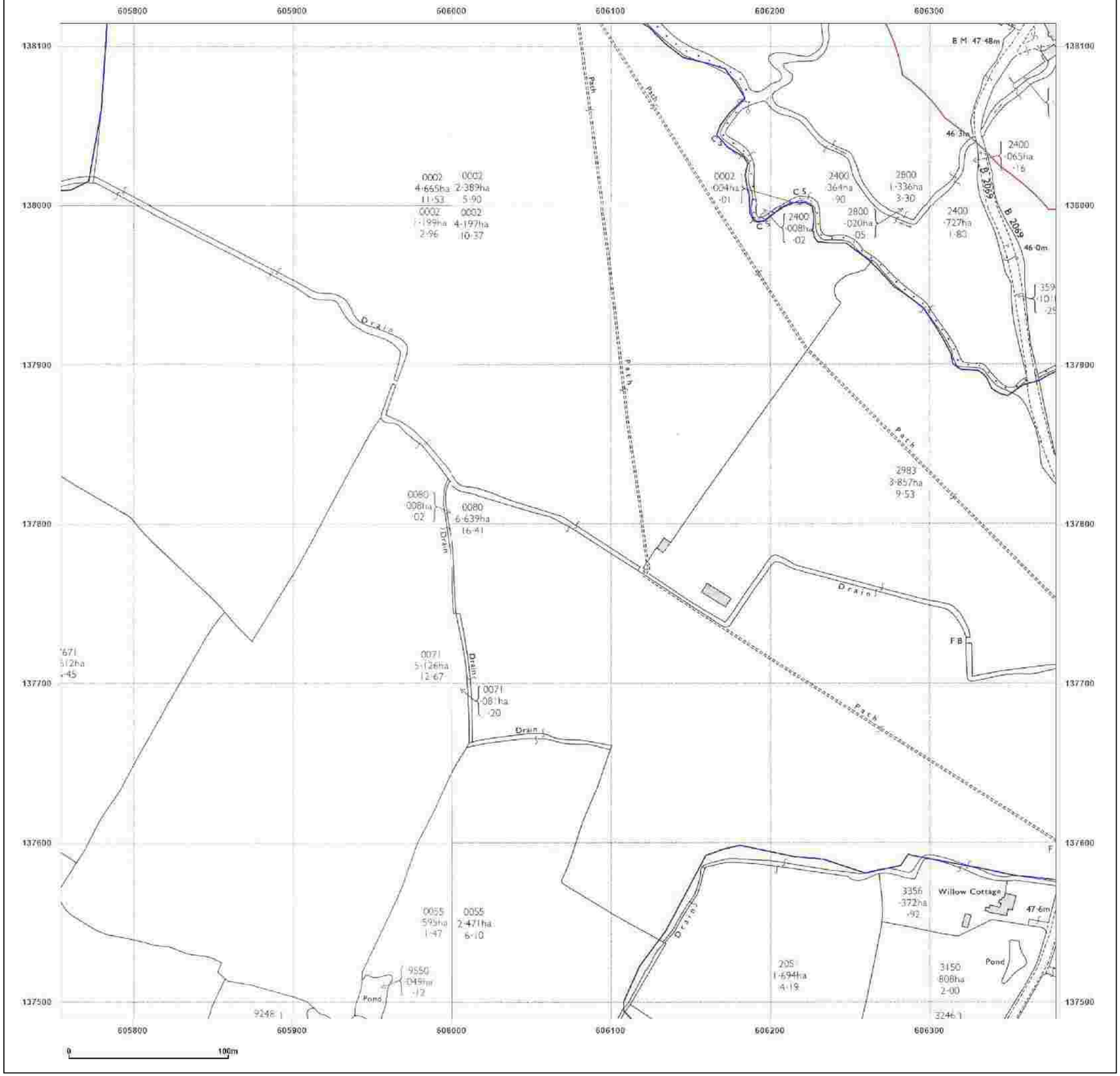

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

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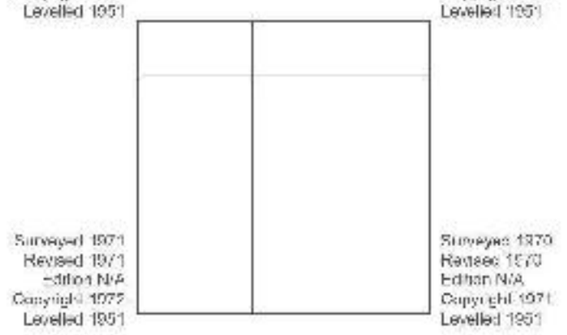

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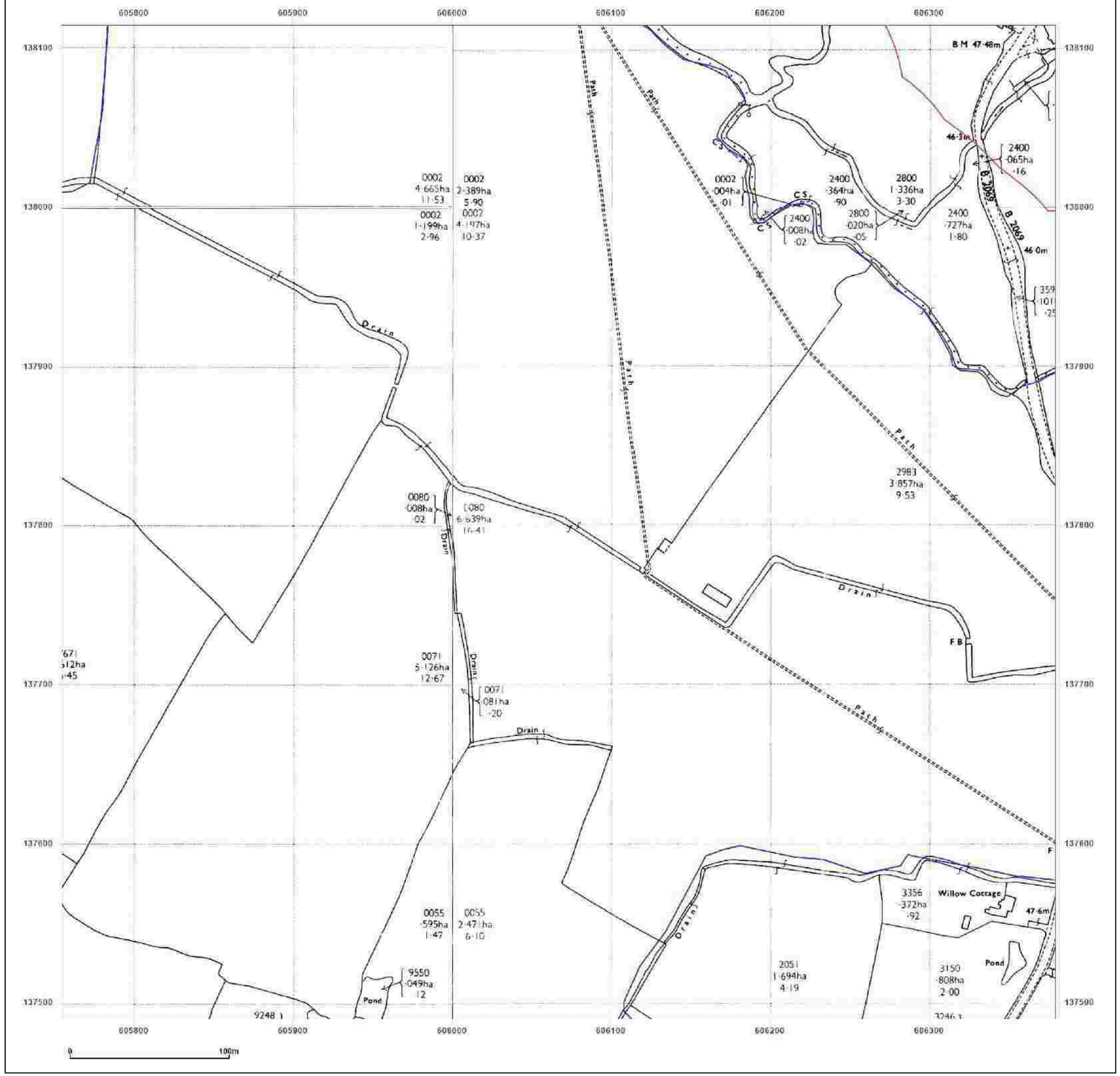

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
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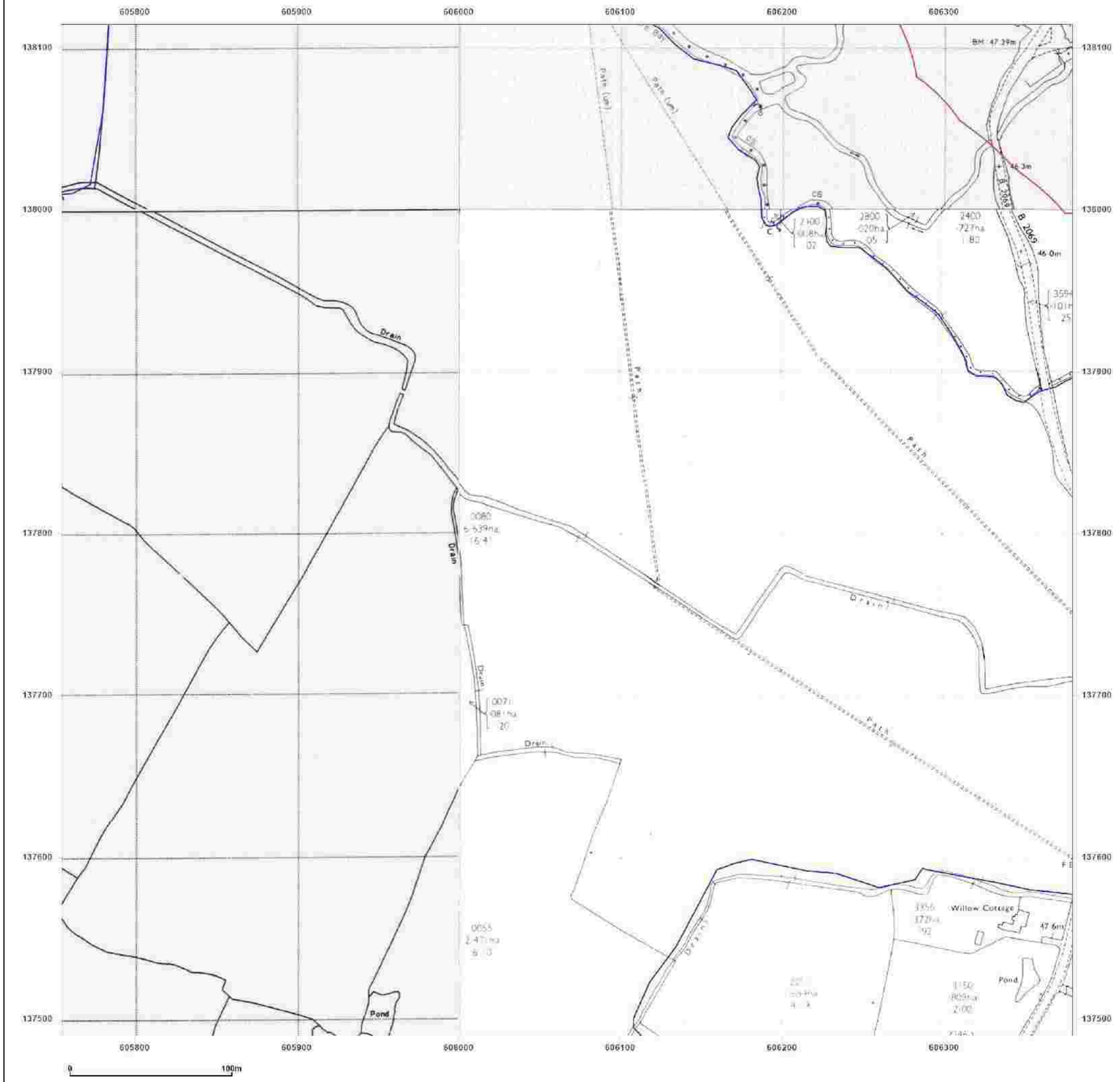

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:2,500

Printed at: 1:2,500

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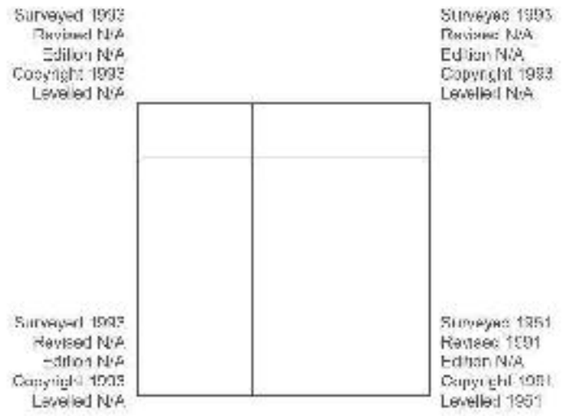

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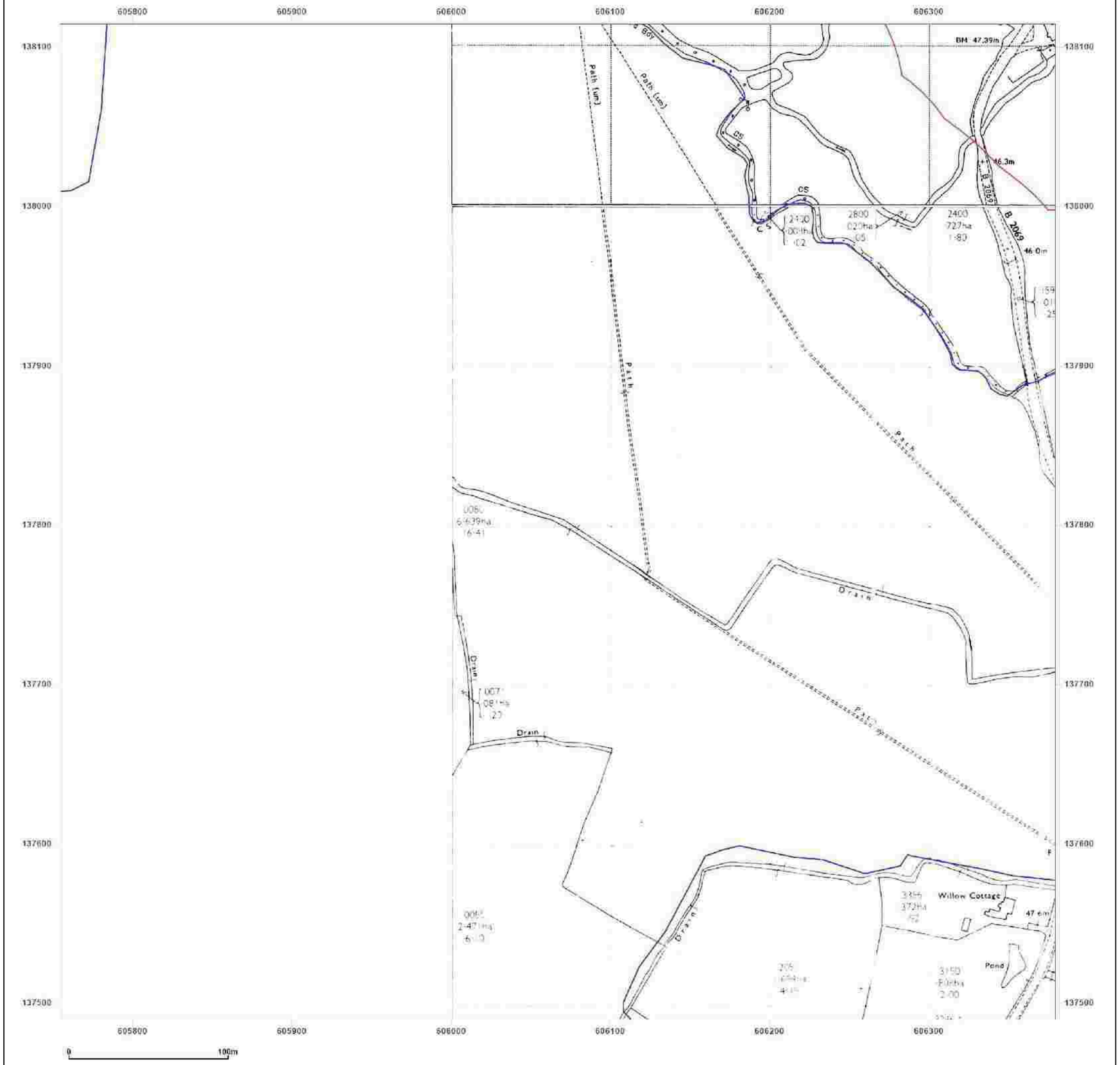

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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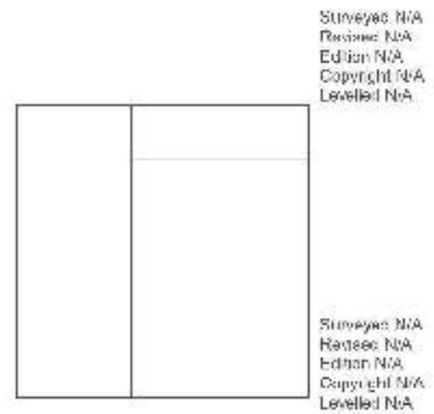

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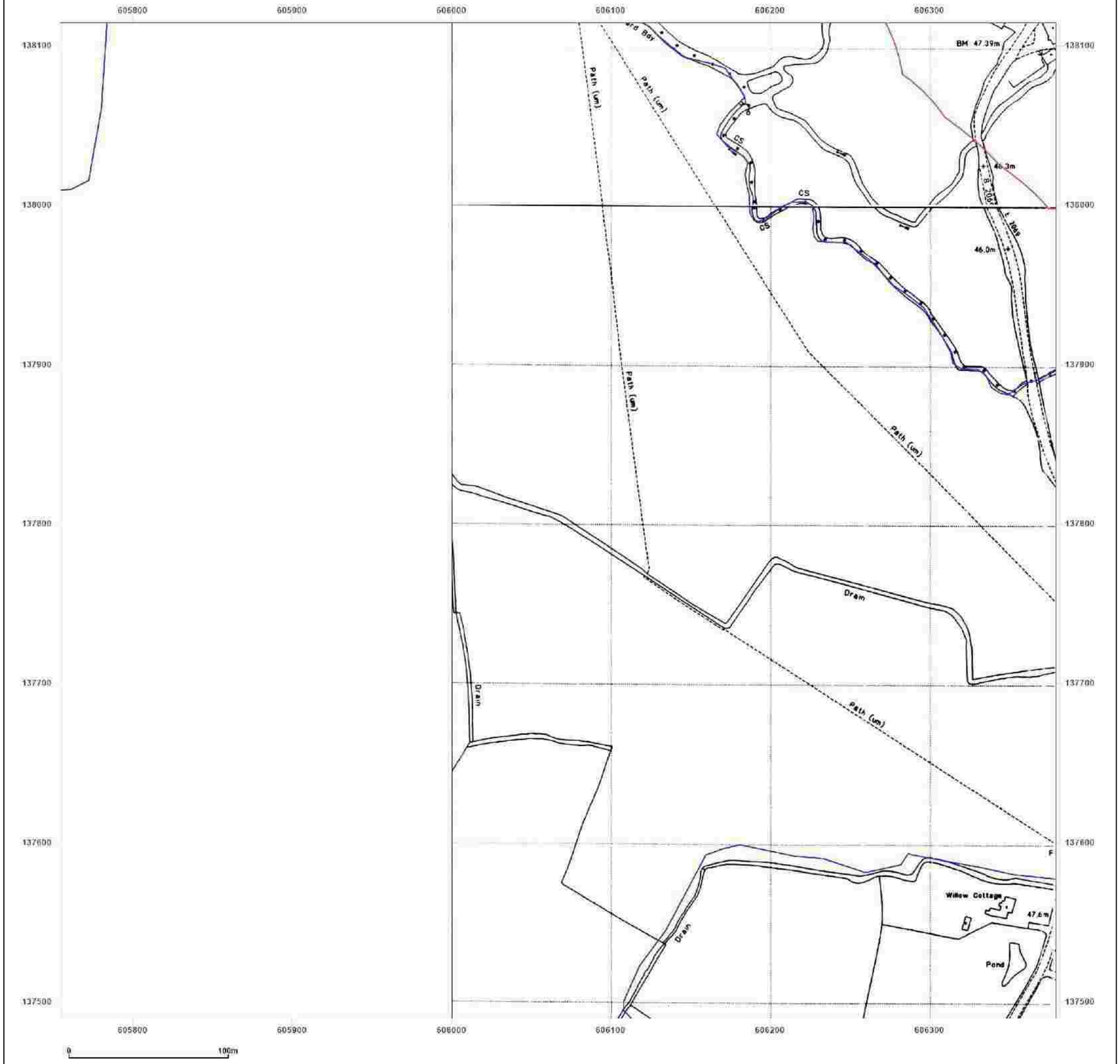

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_3
Grid Ref: 606067, 137802

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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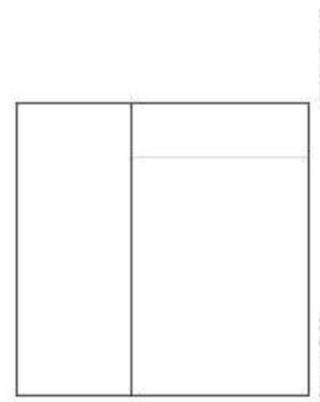

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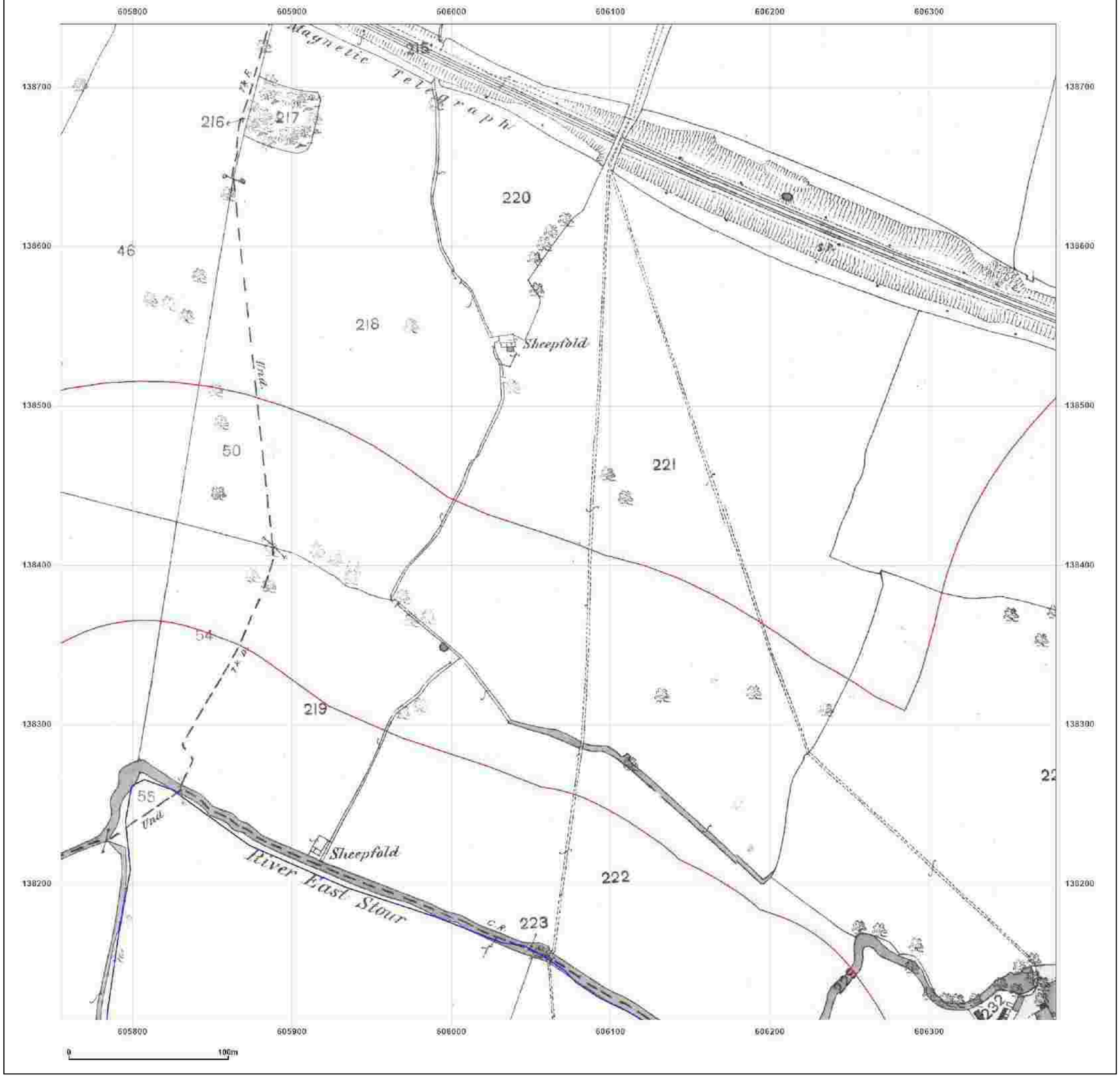

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 18/1
Revised 18/1
Edition N/A
Copyright N/A
Levelled N/A

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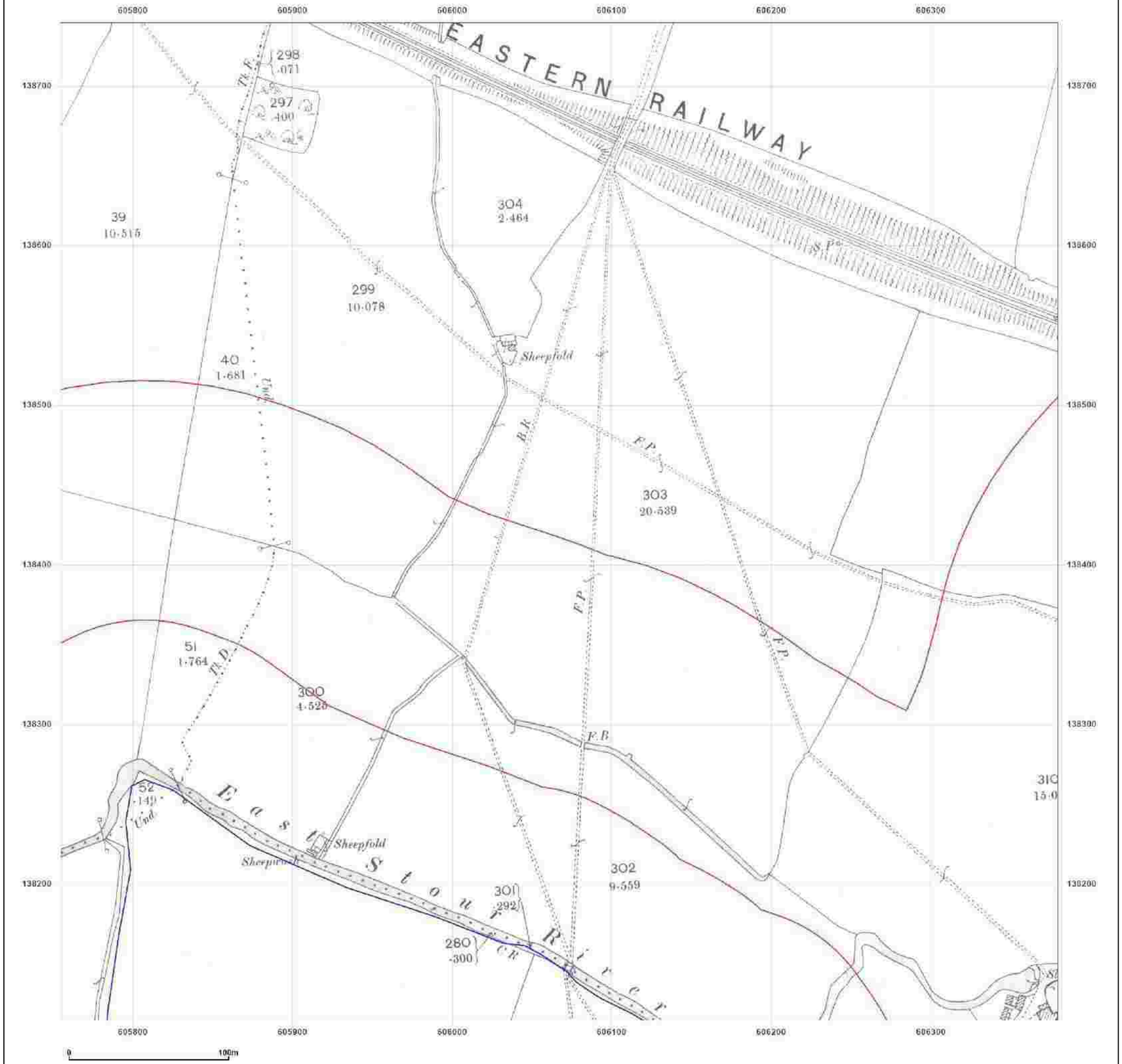

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1838
Revised 1838
Edition N/A
Copyright N/A
Levelled N/A

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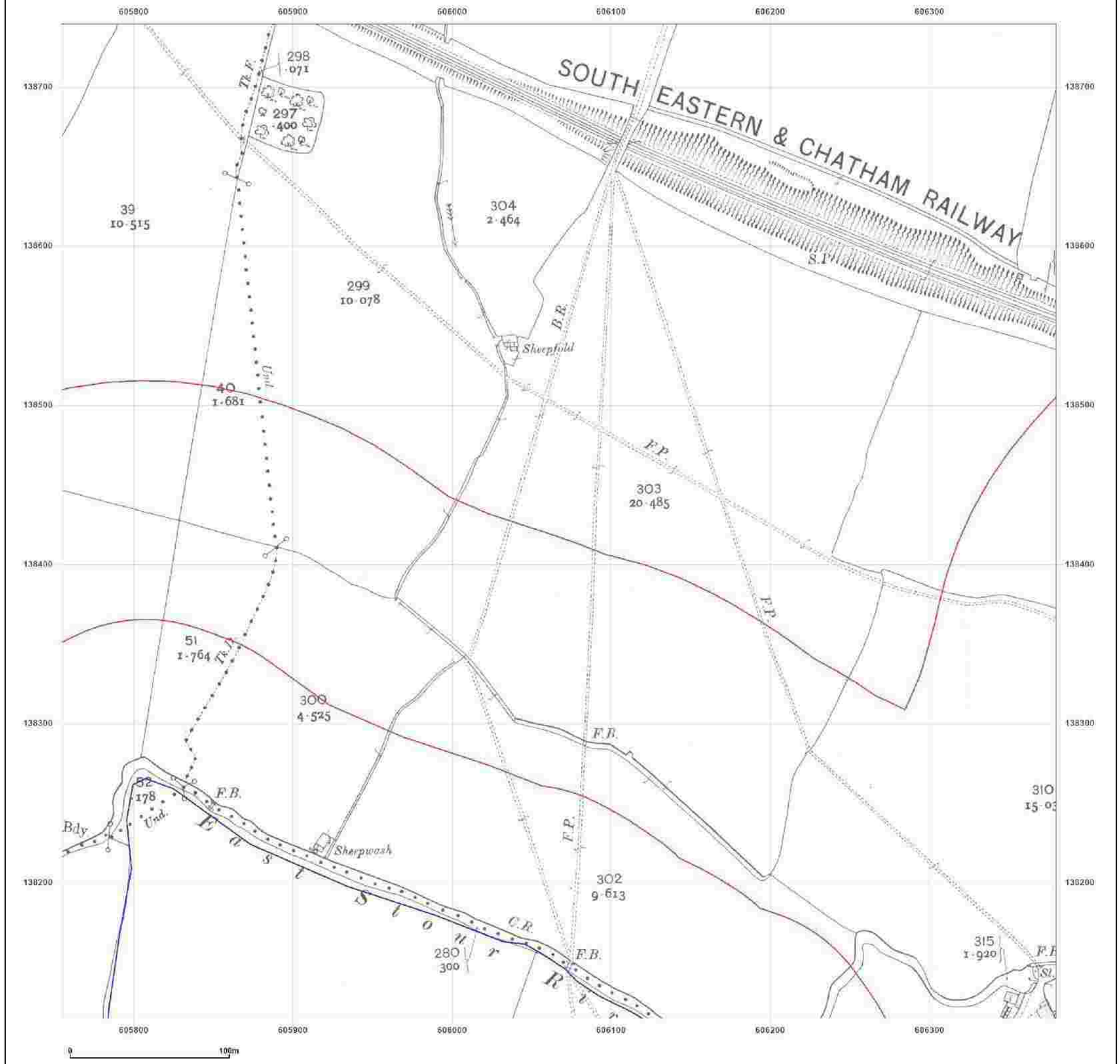

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

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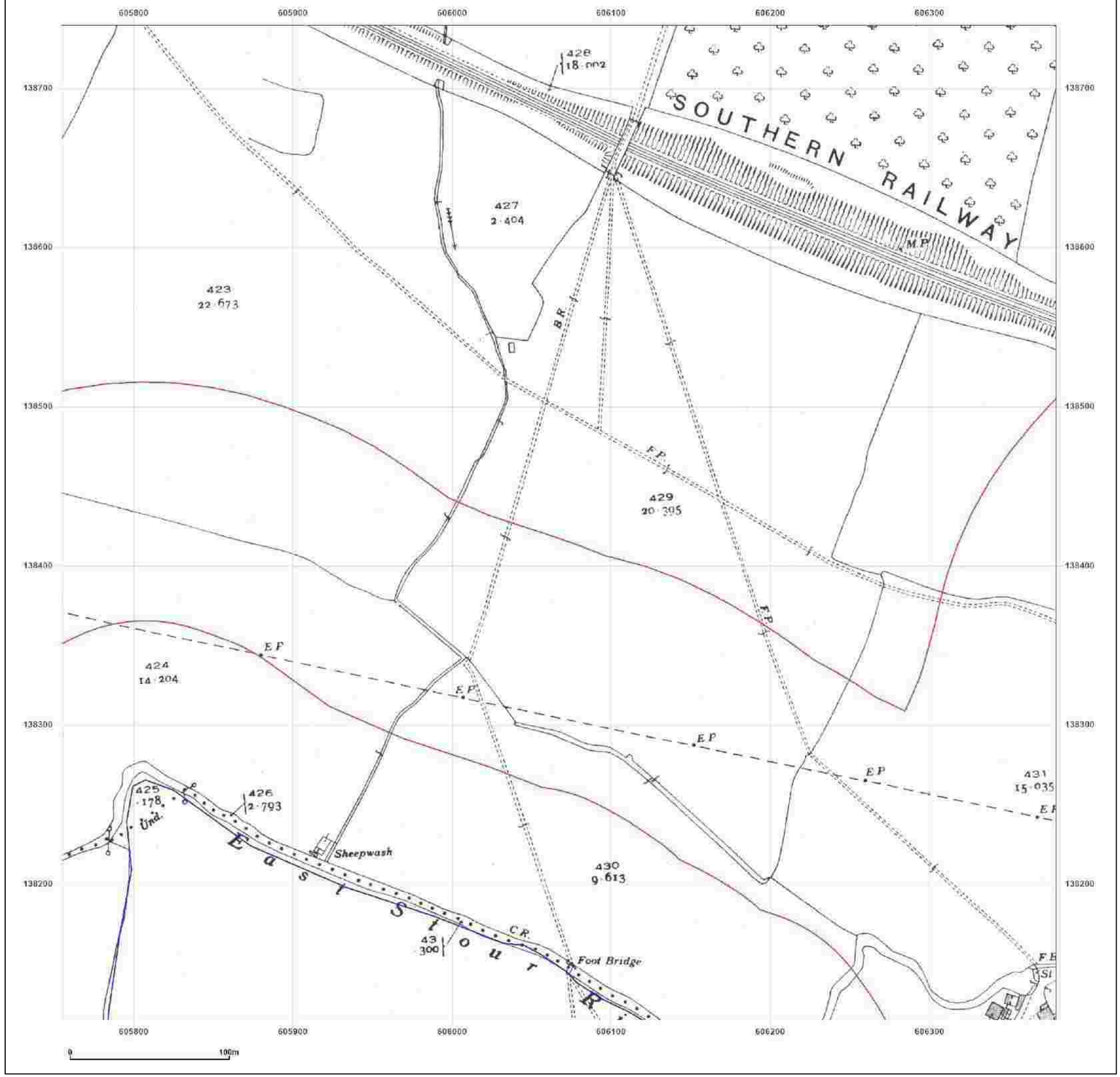

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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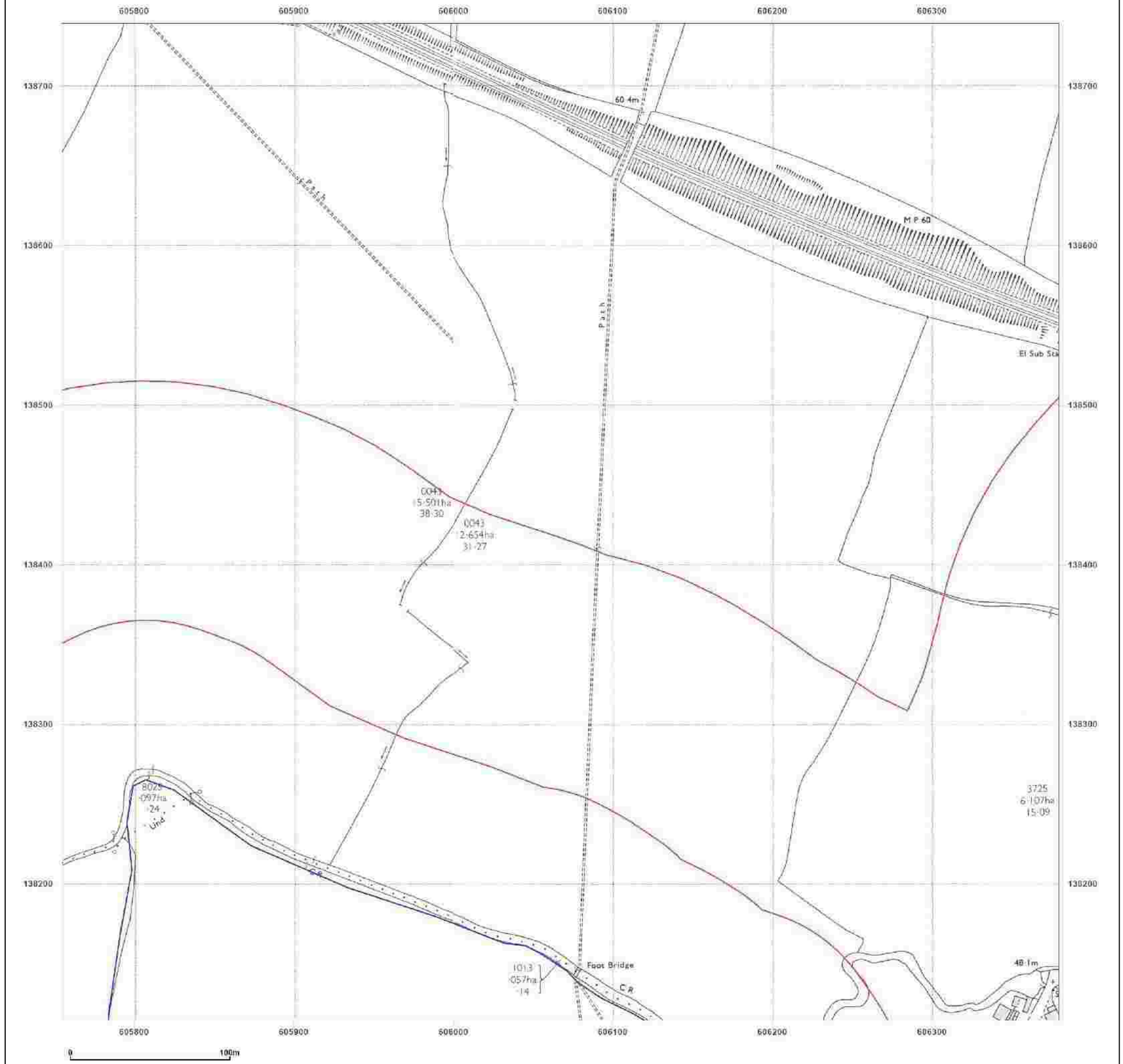

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

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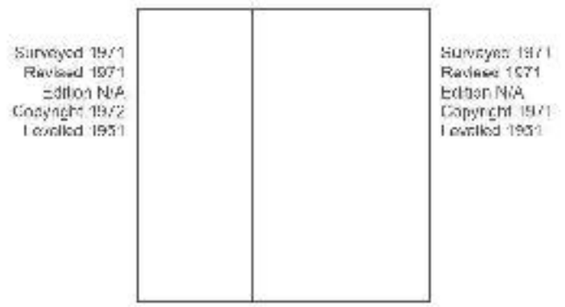

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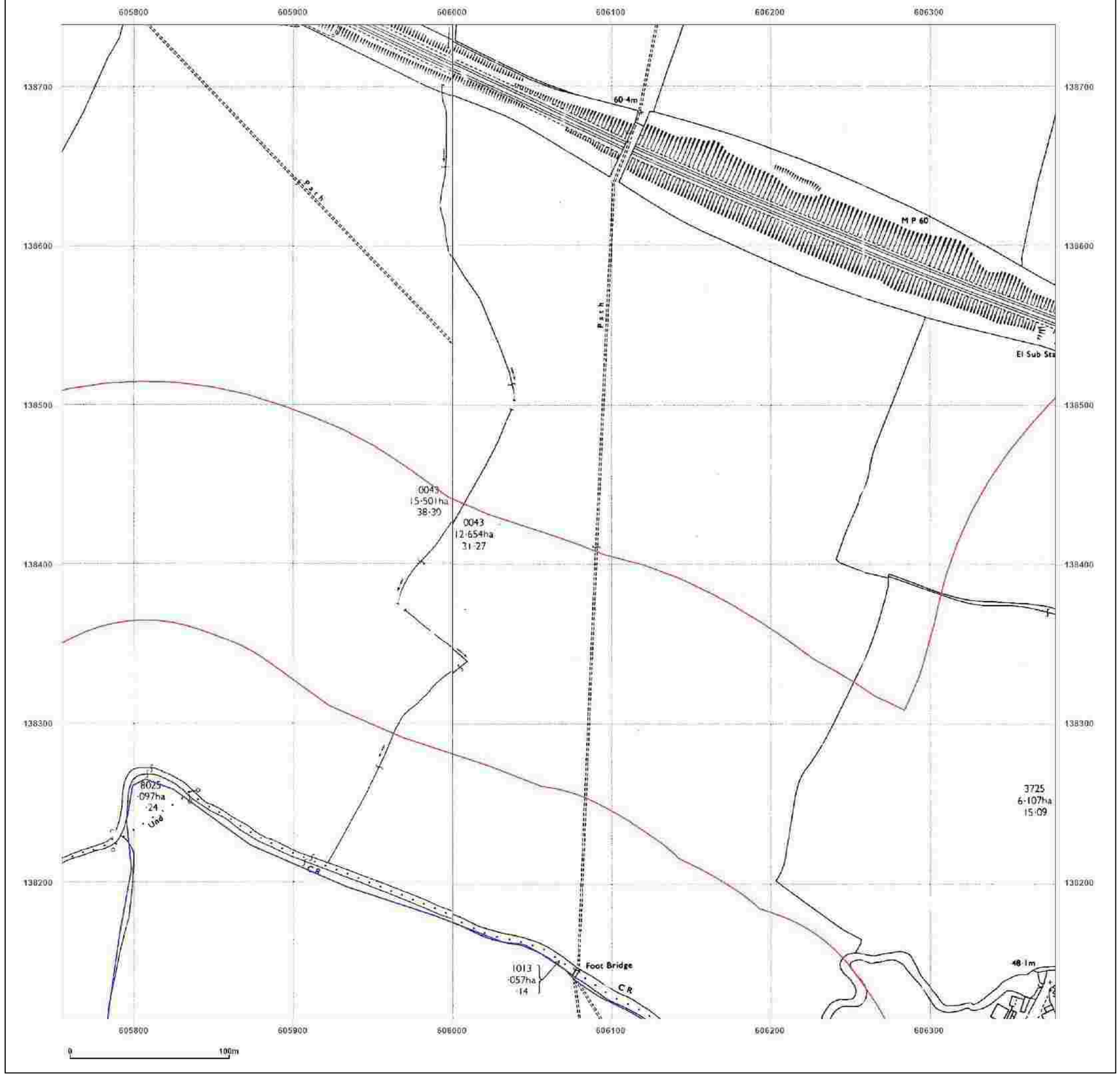

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

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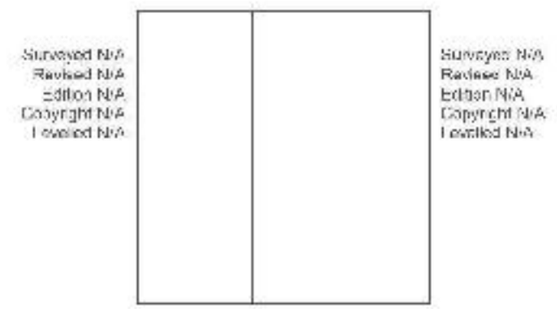

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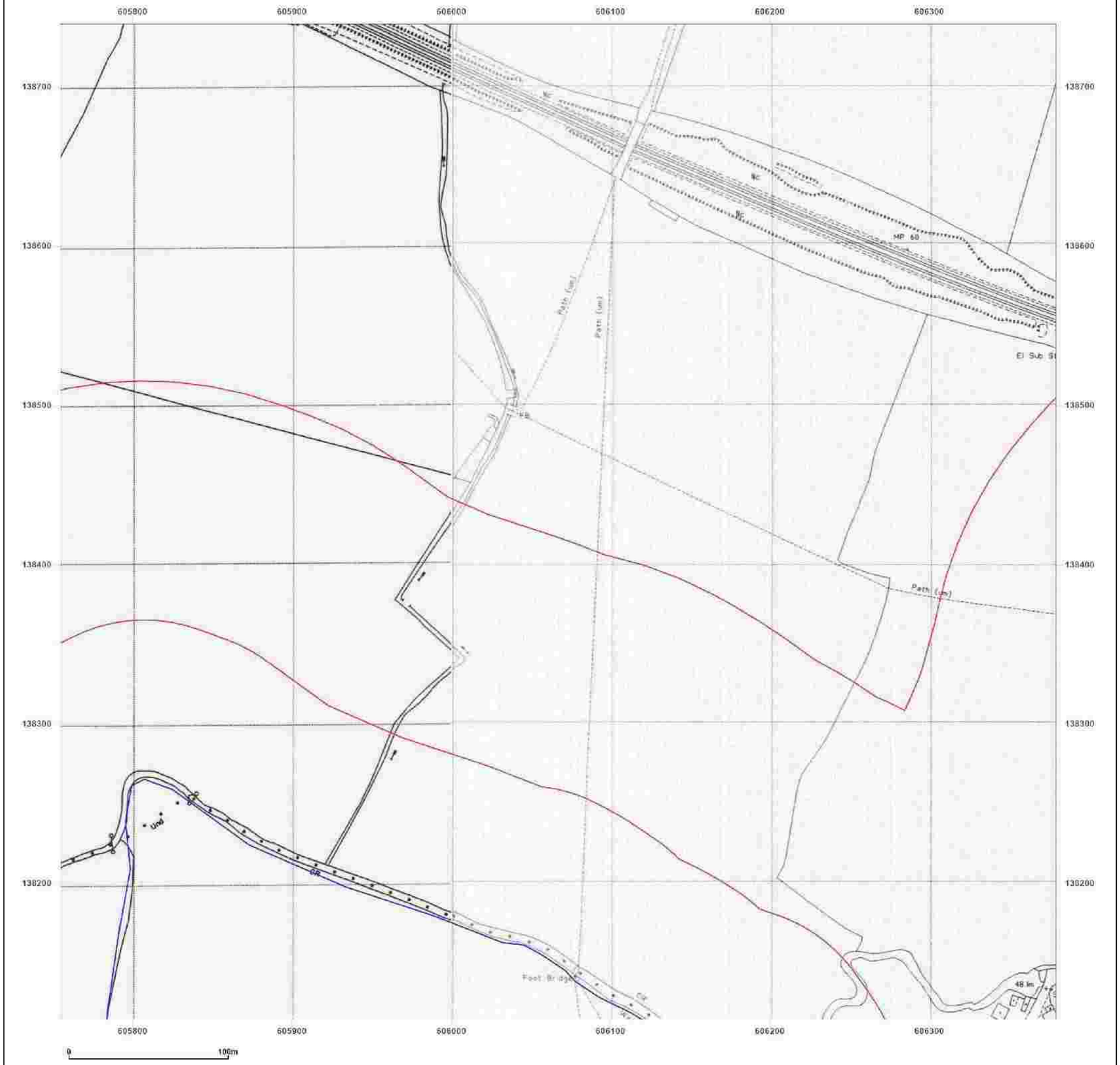

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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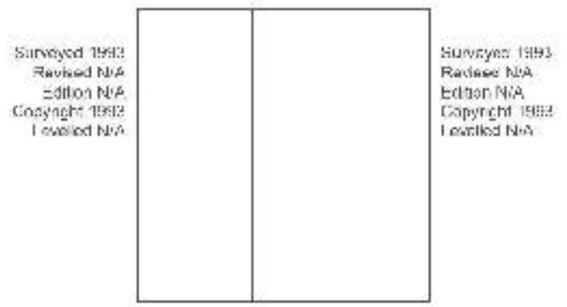

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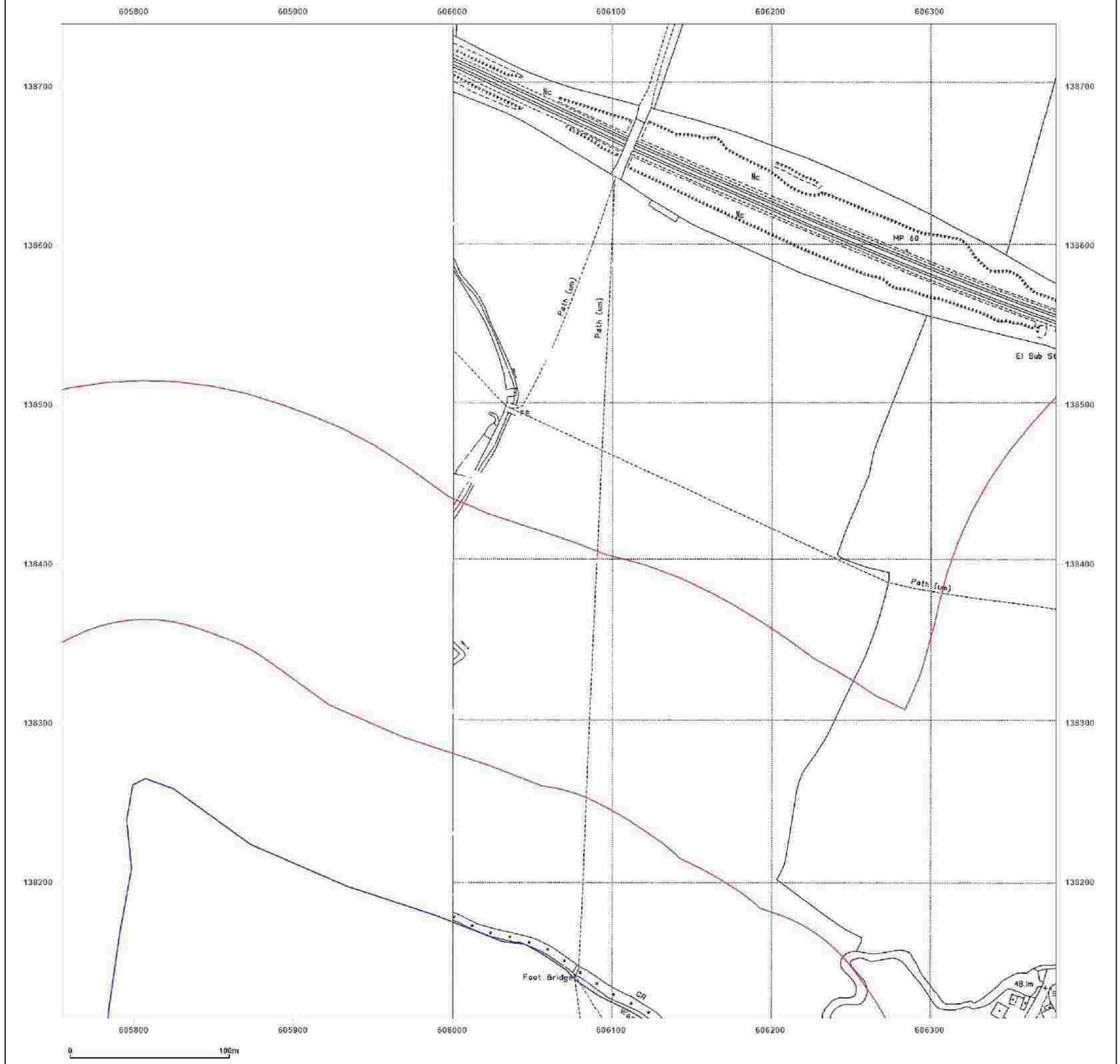

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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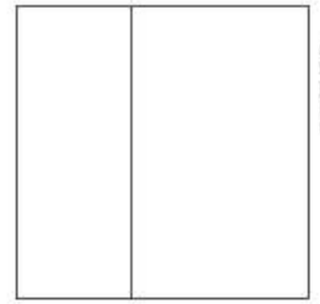

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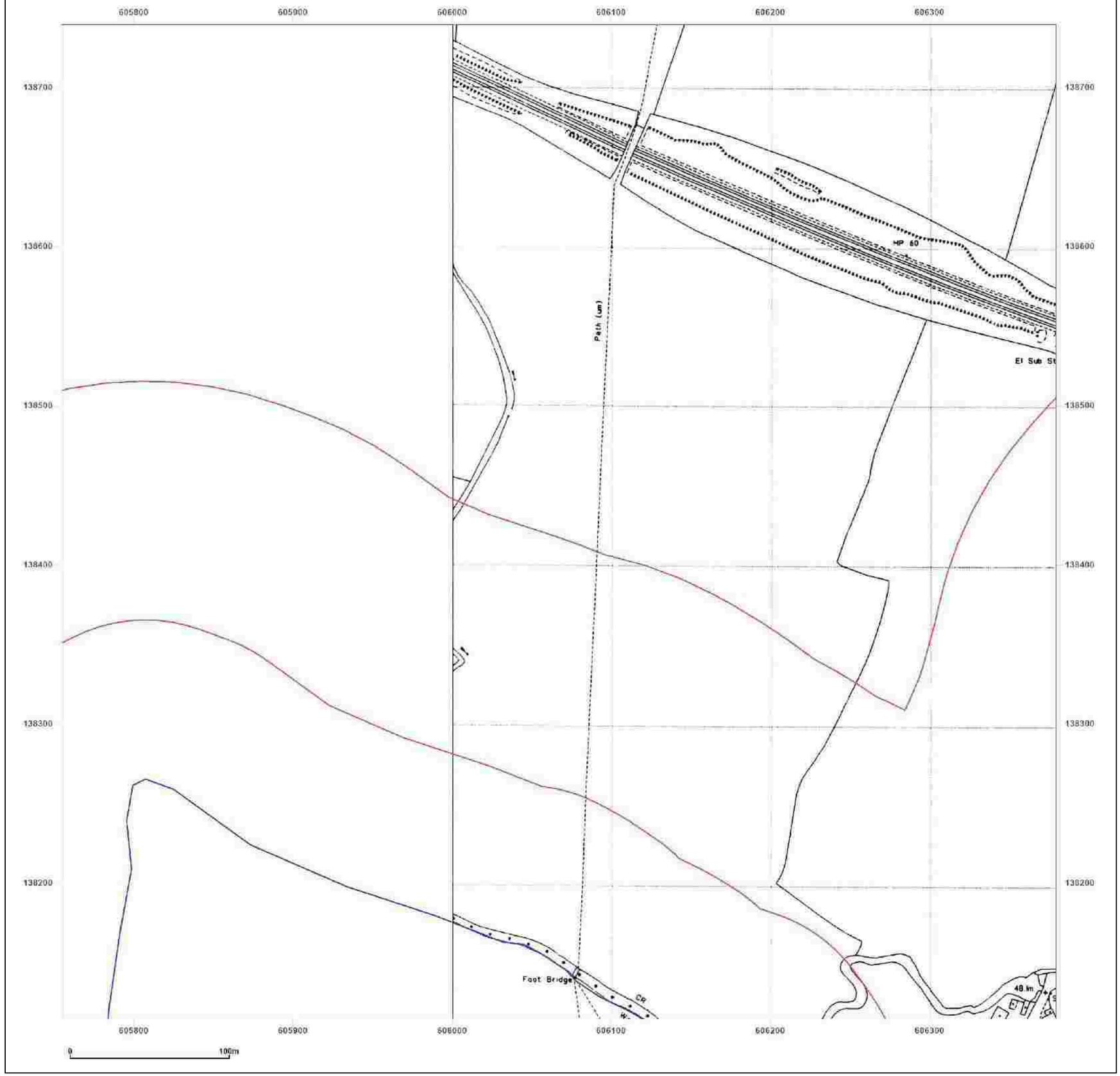

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_4_4
Grid Ref: 606067, 138427

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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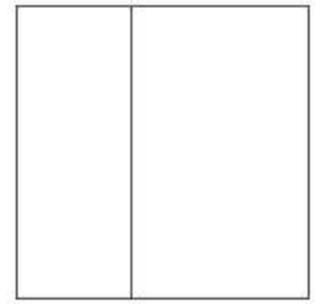

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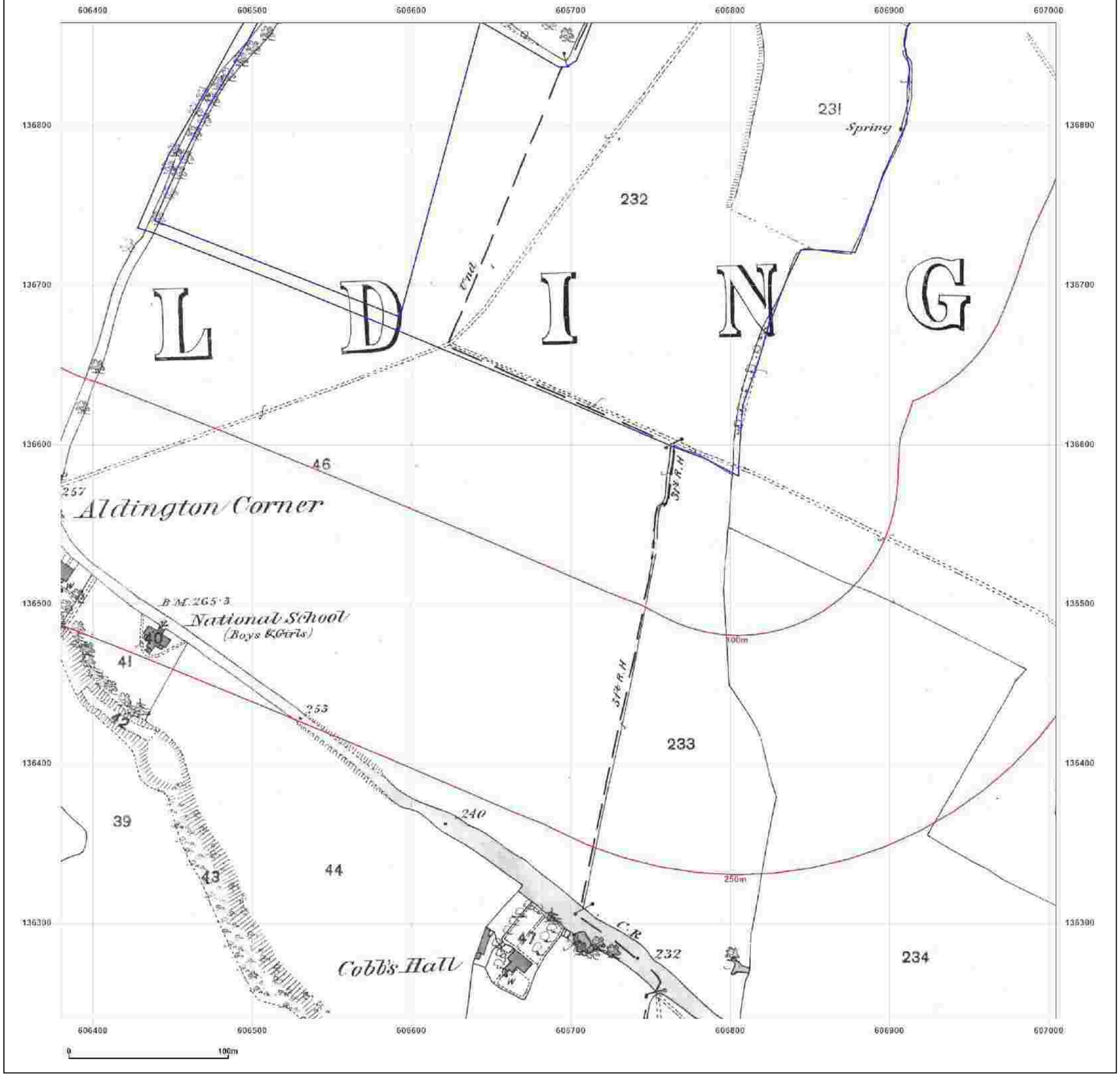

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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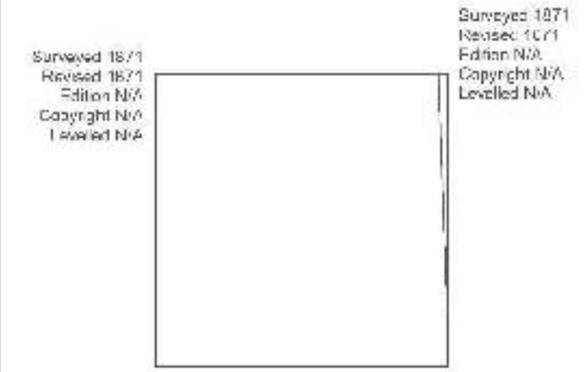

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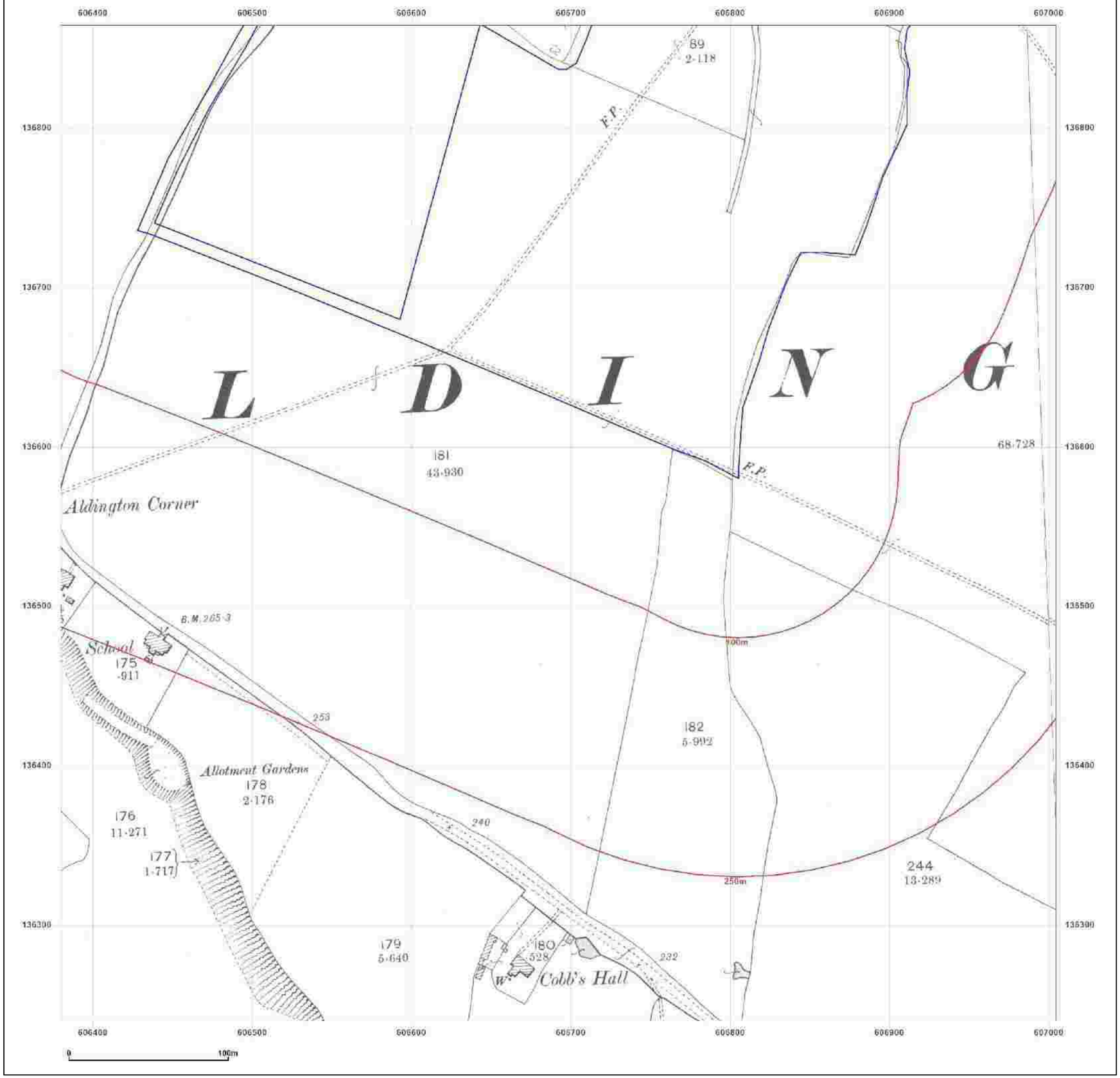

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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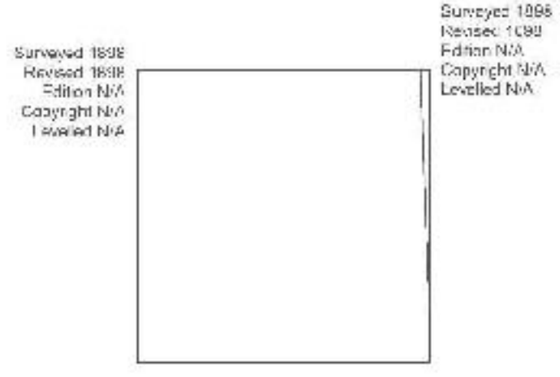

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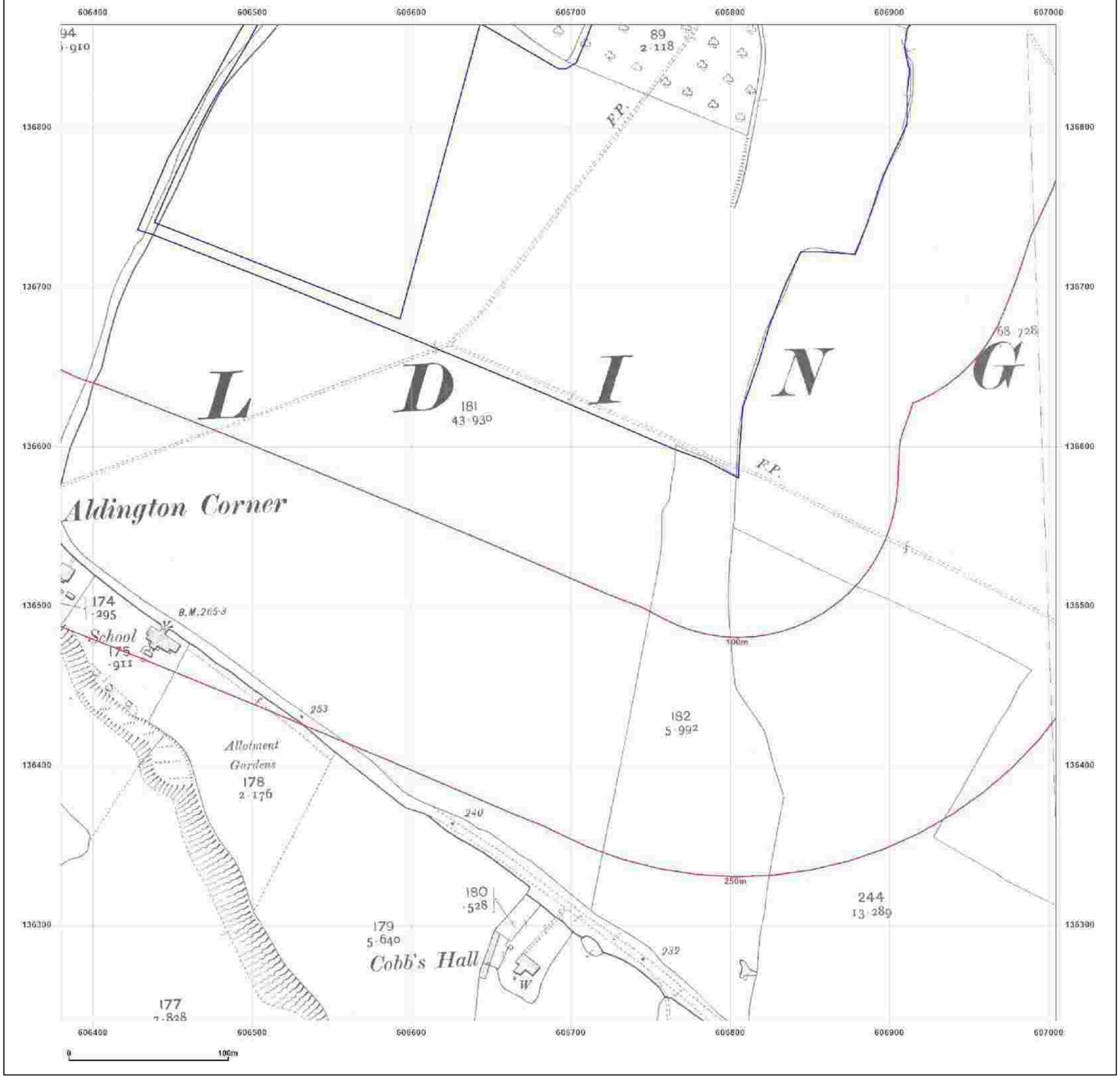

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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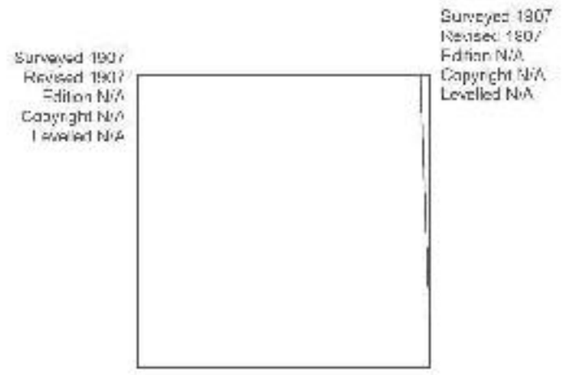

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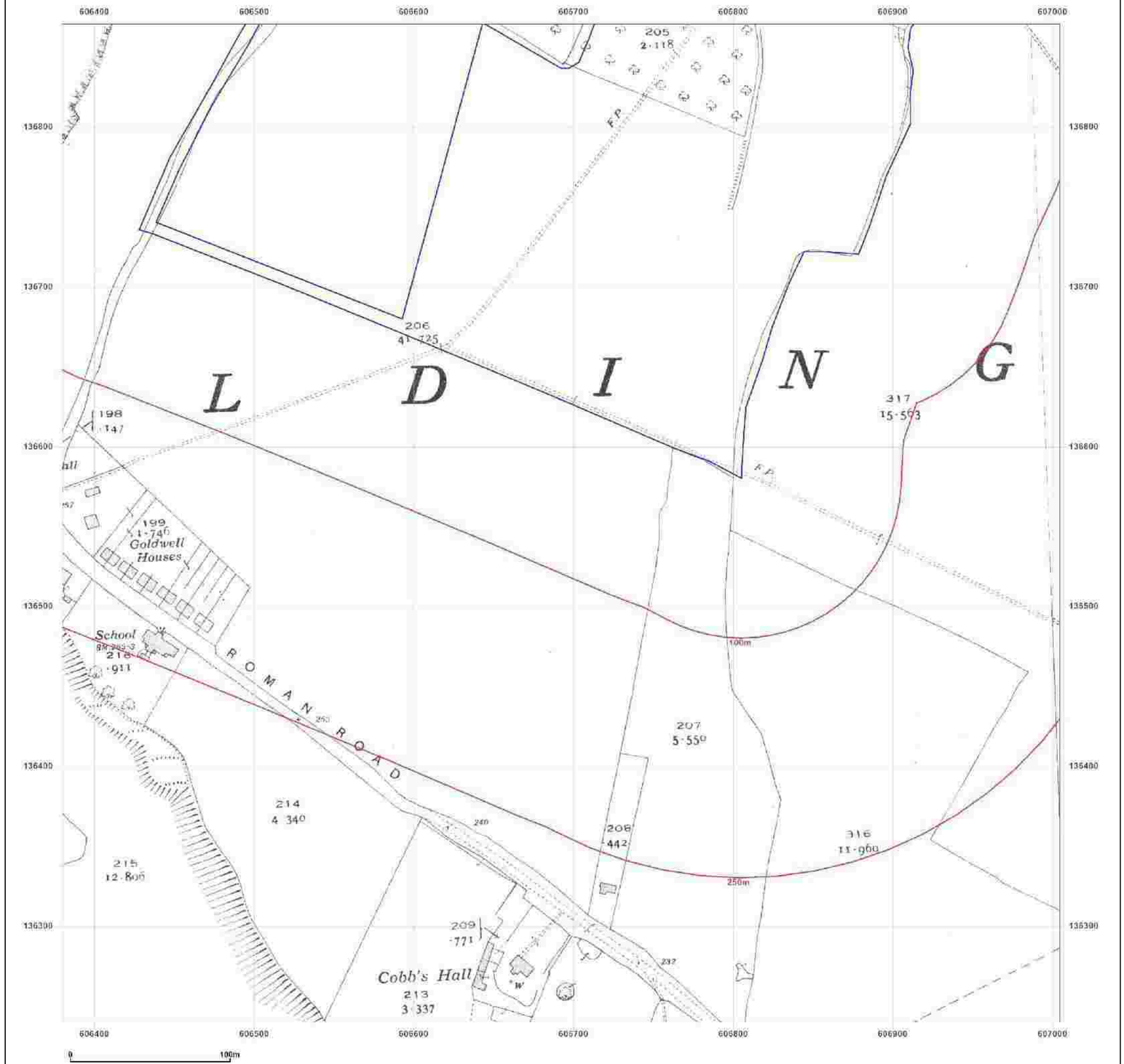

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Site Details:

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Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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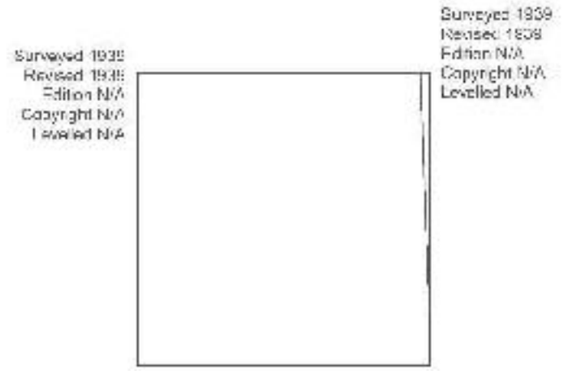

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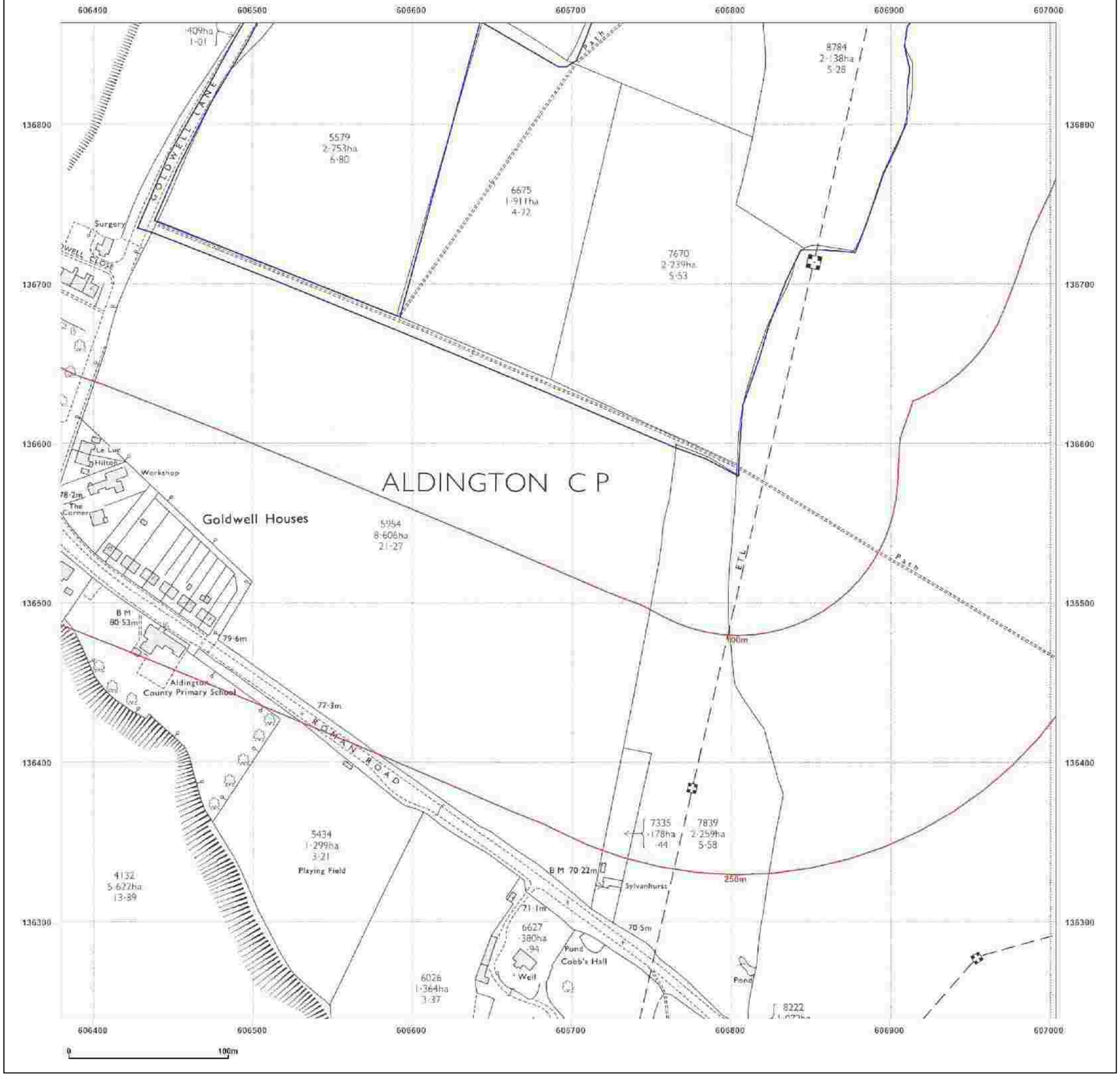

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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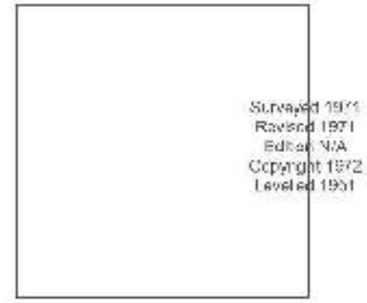

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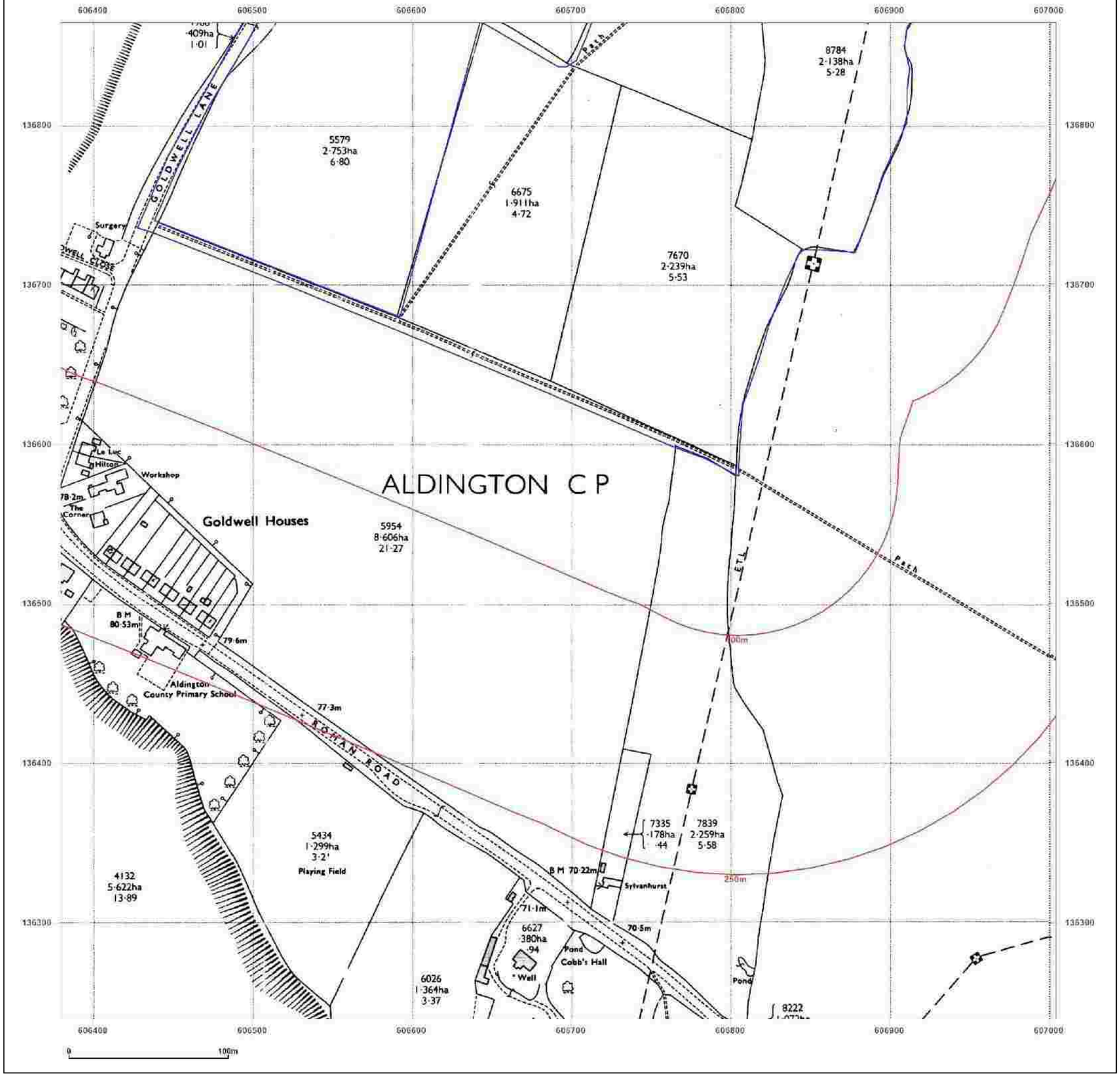

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

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

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Revised N/A
Edition N/A
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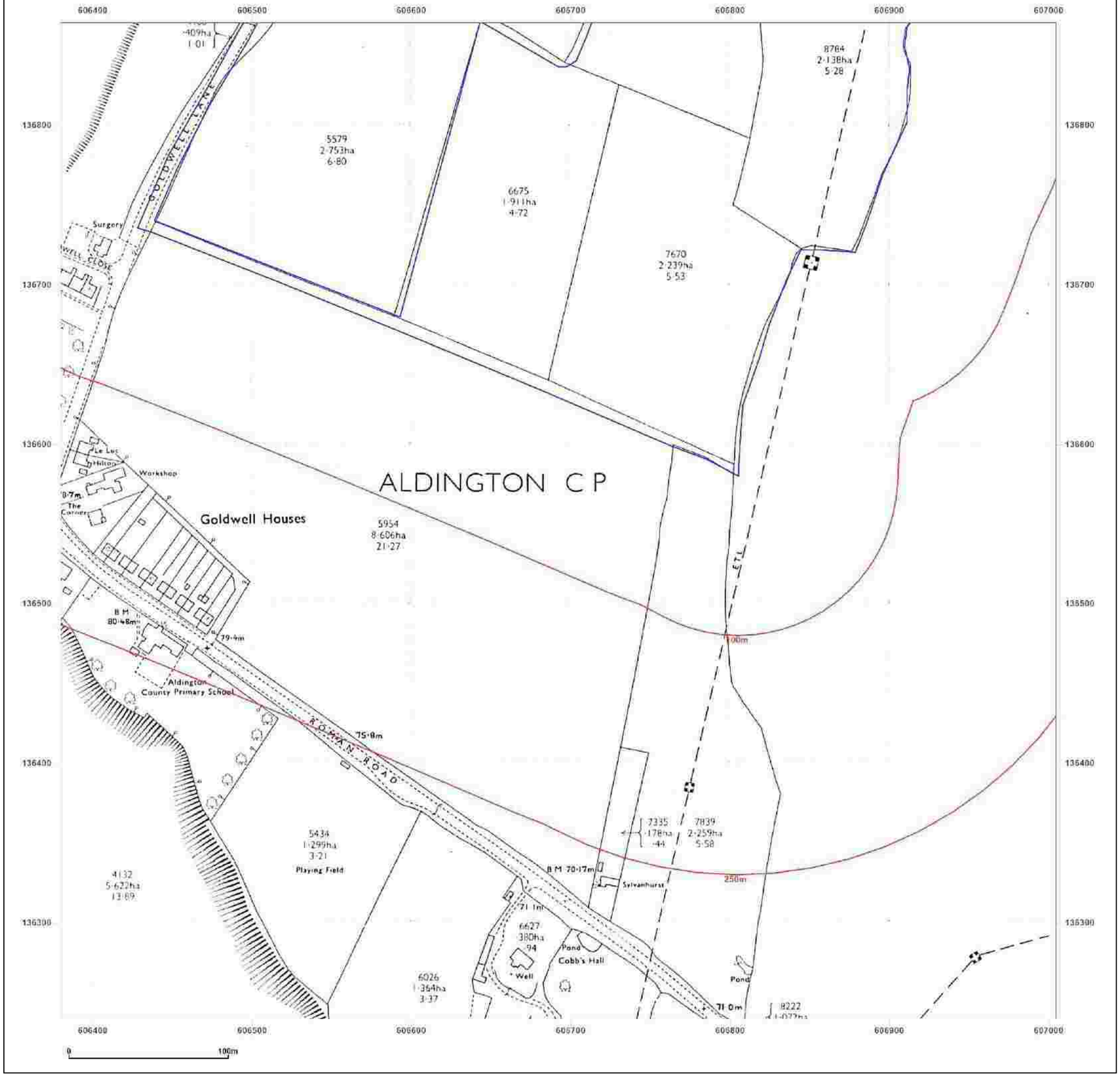

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed N/A
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Edition N/A
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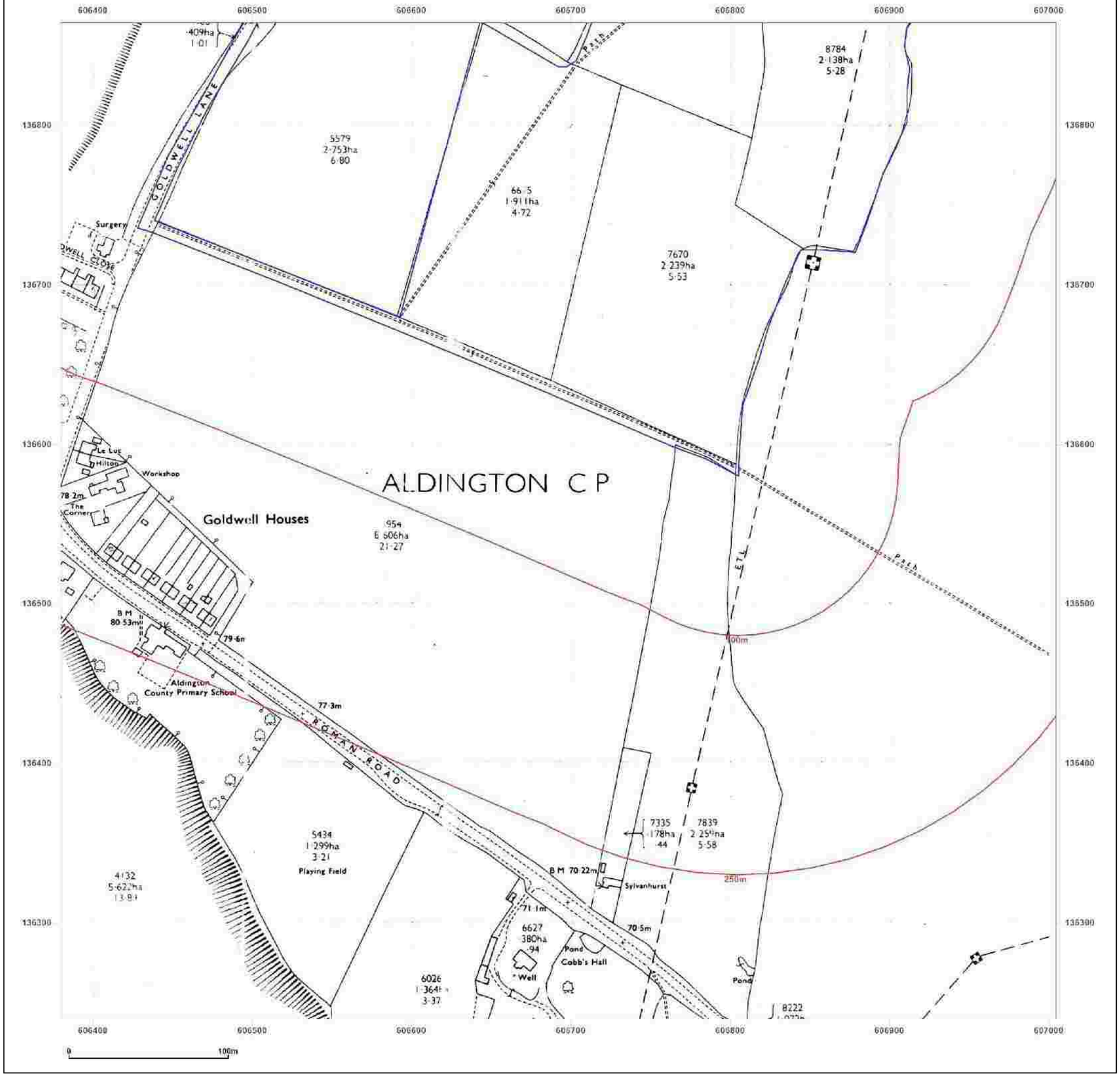

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
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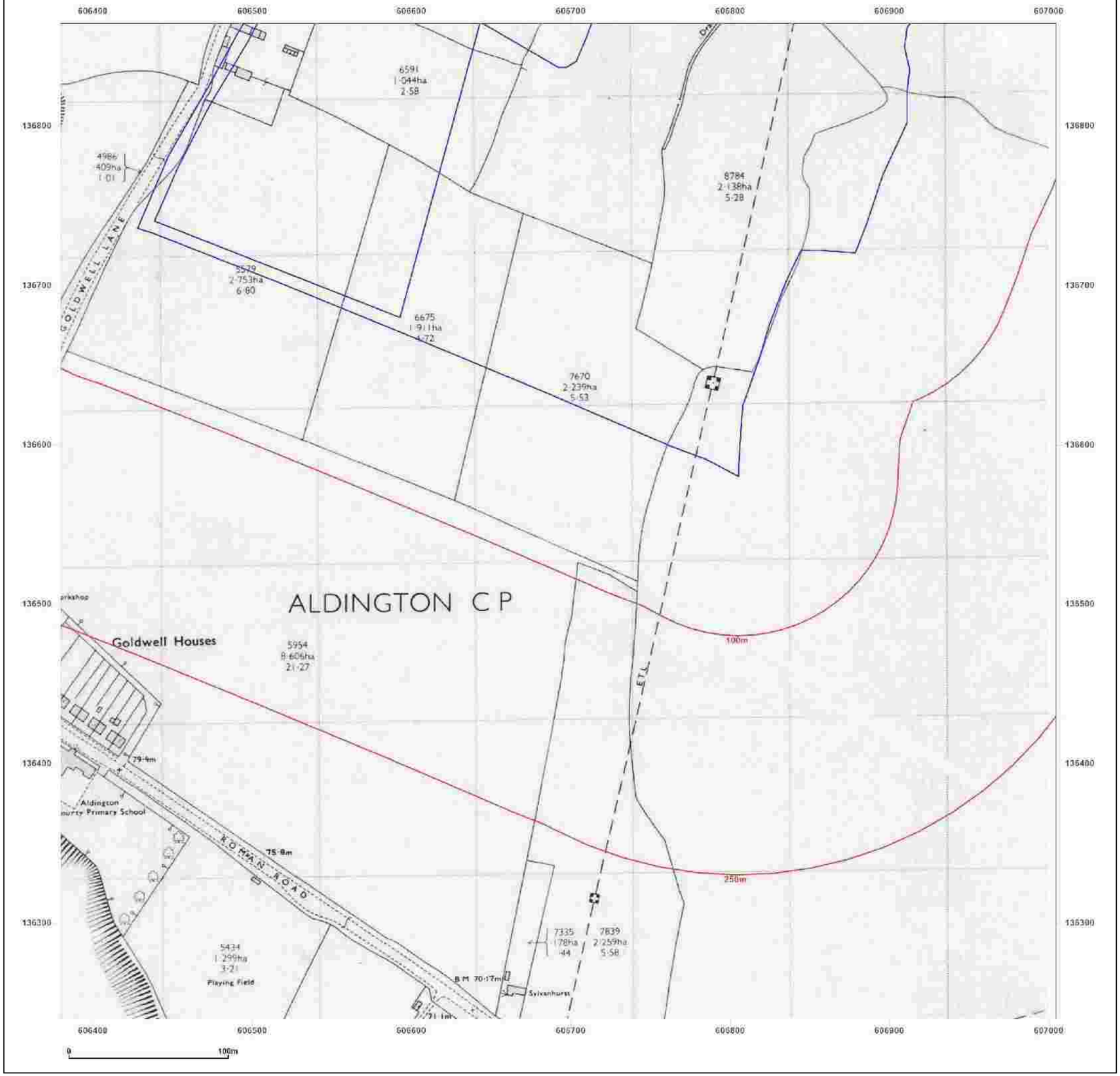

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1980**

Scale: 1:2,500

Printed at: 1:2,500

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Revised N/A
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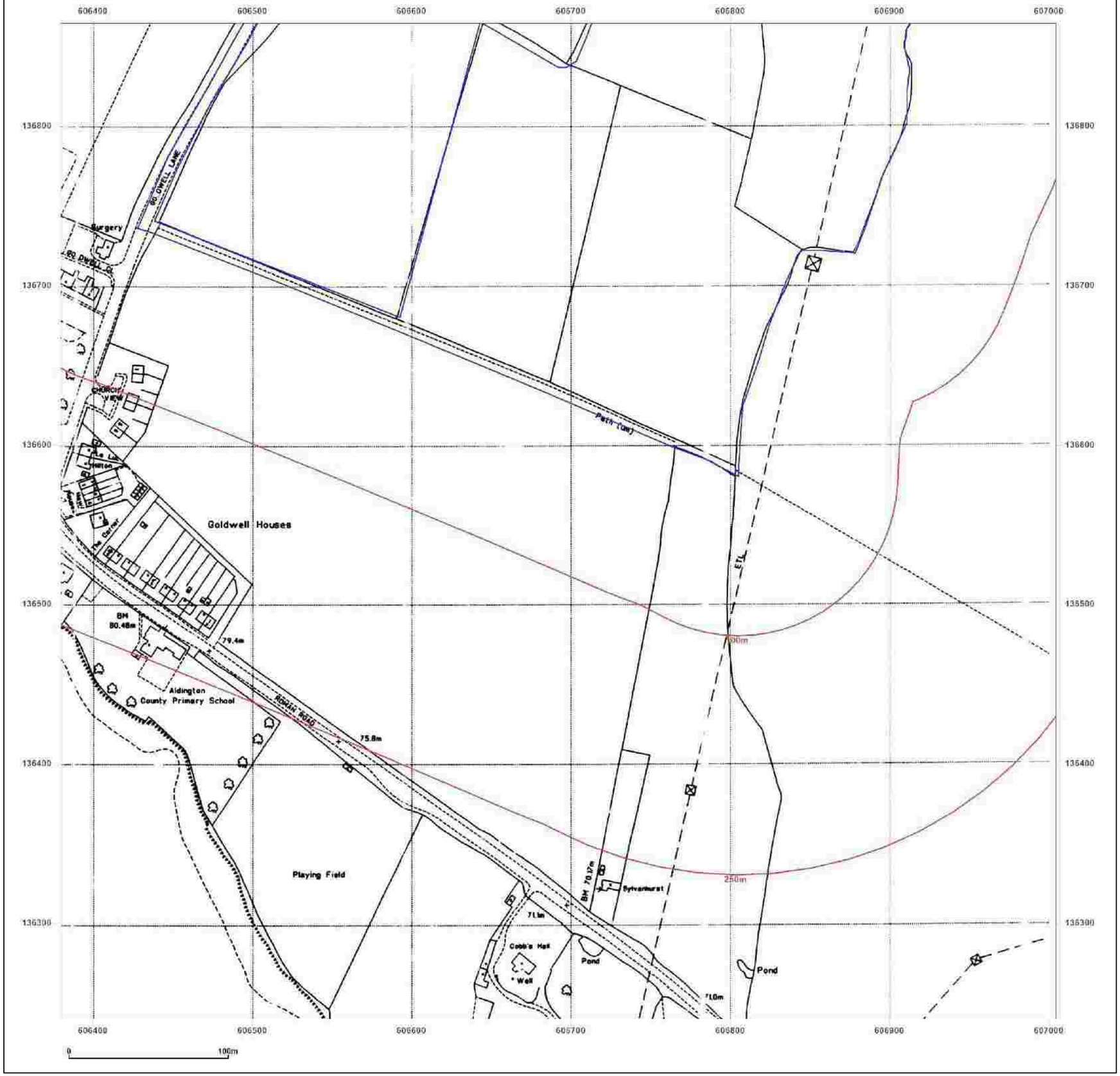

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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Survey: N/A
Revised: N/A
Edition: N/A
Copyright: 1993
Levelled: N/A

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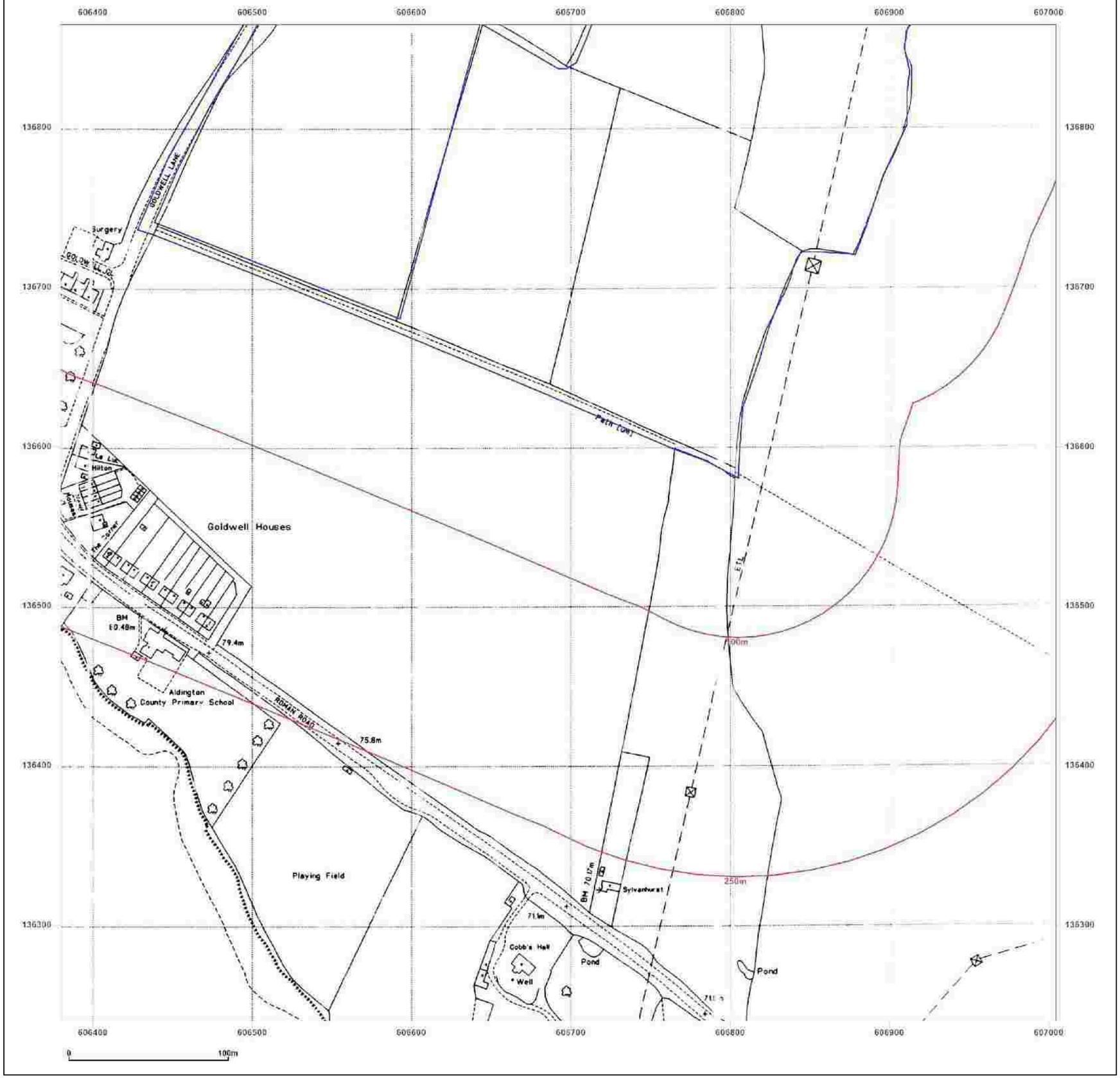

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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Survey: N/A
Revised: N/A
Edition: N/A
Copyright: 1993
Levelled: N/A

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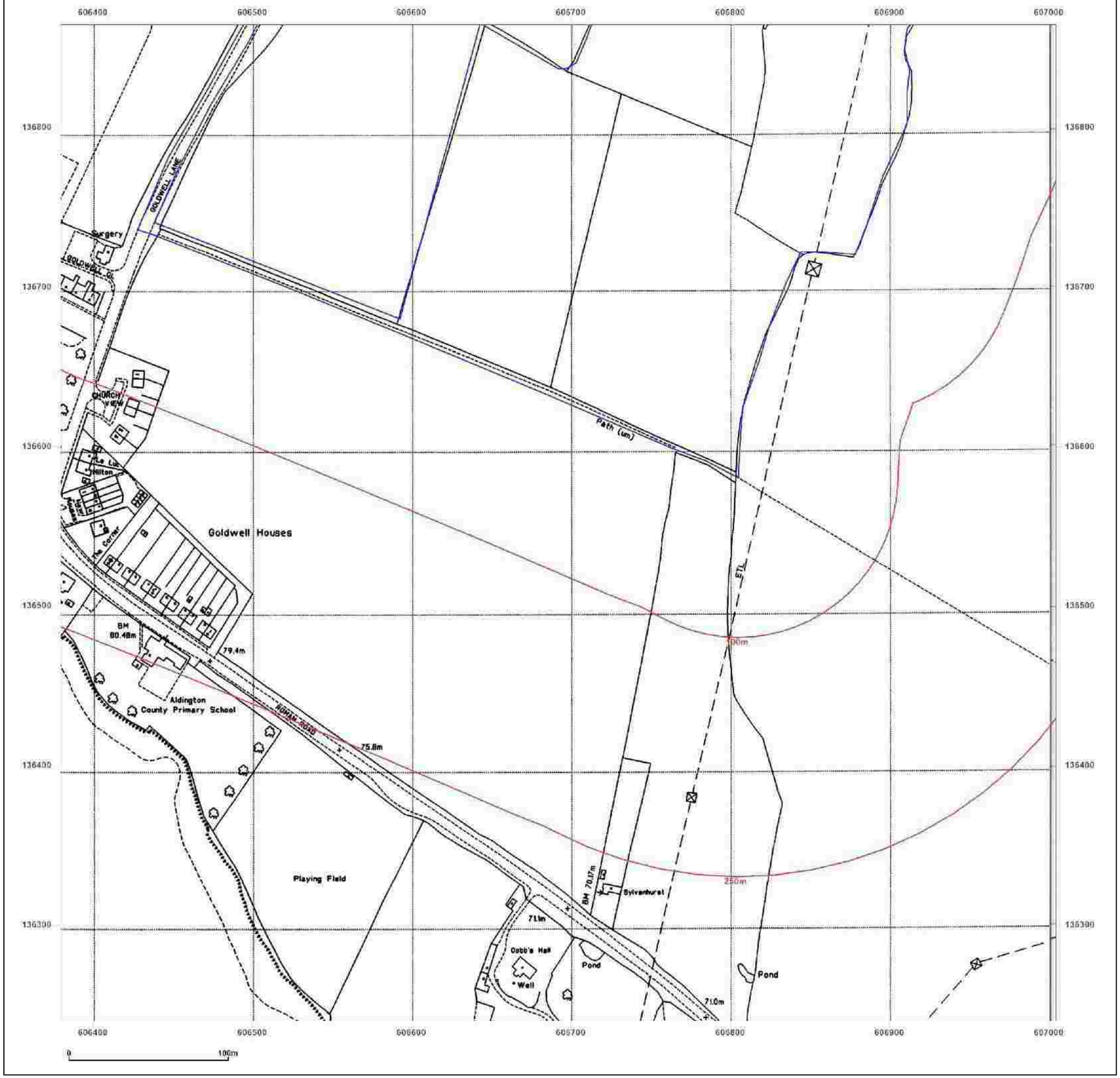

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_1
Grid Ref: 606692, 136552

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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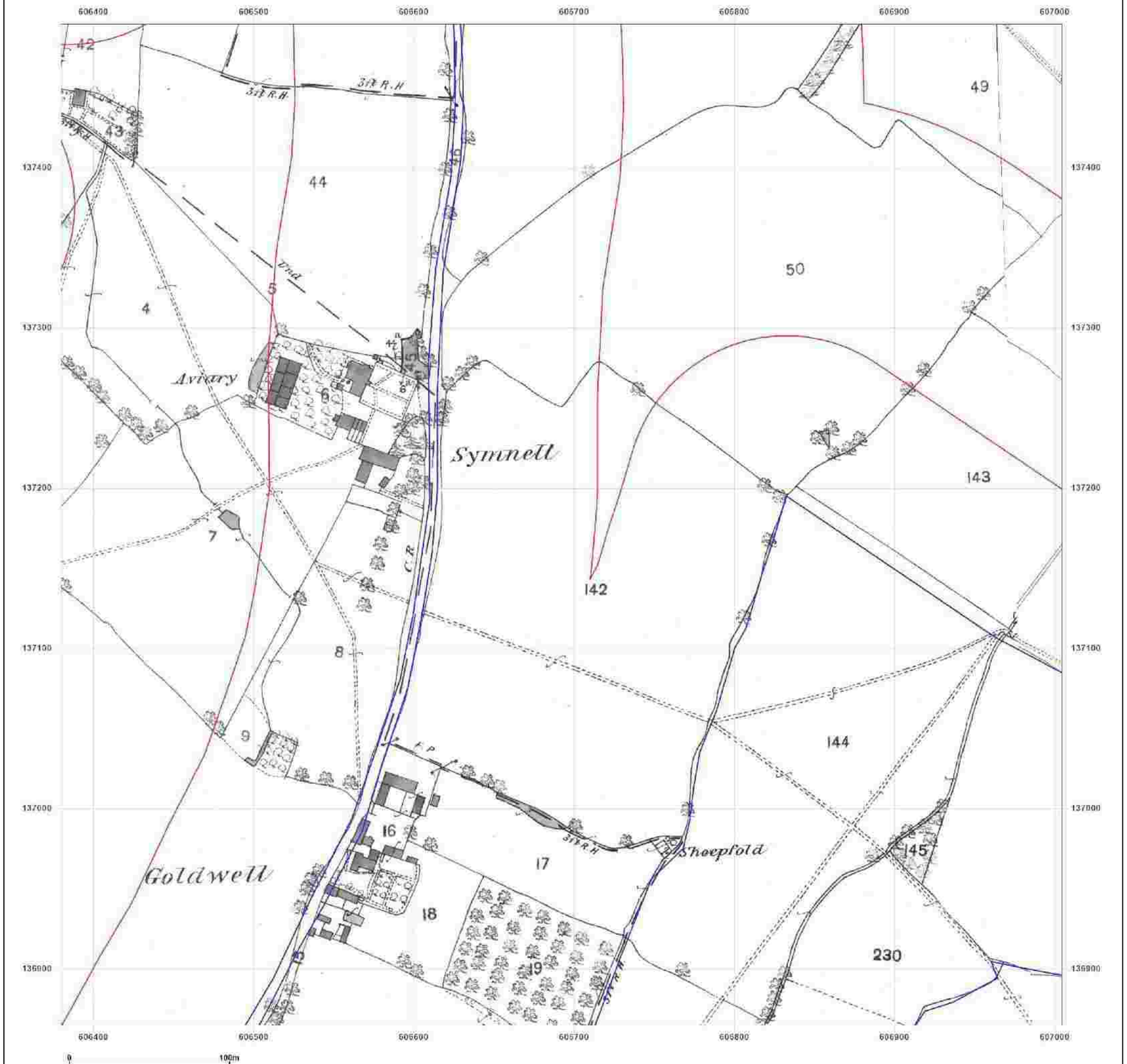

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Site Details:

605544 , 137466

Client Ref: Stonestreet_Updated_Boundary_2
Report Ref: GSWA1-8407208_LS_5_2
Grid Ref: 606692, 137177

Map Name: County Series

Map date: **1871**

Scale: 1:2,500

Printed at: 1:2,500

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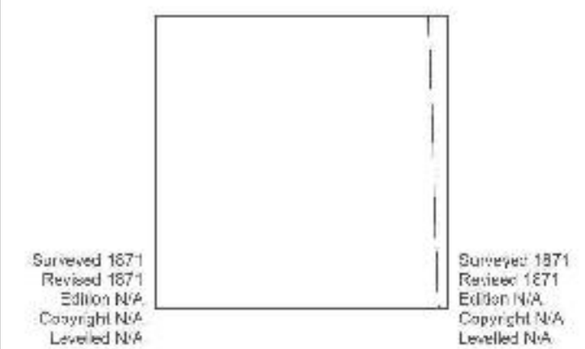

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